

PRELIMINARY ASSESSMENT
PA

POTLATCH FOREST, INC. - LARGE
IDD 009069121
POTLATCH, IDAHO 83855

August 1991

Prepared for: U.S. Environmental Protection Agency
Region 10
Superfund Program Management Section
Seattle, WA 98101

Prepared by: Idaho Division of Environmental Quality
1410 N. Hilton, Suite 101
Boise, ID 83706-1253

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Executive Summary

This site is a former large Potlatch Corporation sawmill and headquarters for the Washington, Idaho, and Montana Railroad. The site operated from 1906 to 1981. After operations ceased, the sawmill and associated buildings were demolished and salvaged. Only remnant foundations remain at the site.

The PA was conducted due to the presumed use of wood treatment compounds and other hazardous substances at the site, and the potential for degradation to vicinity soils, groundwater, and surface water. Interviews with the Potlatch Corporation and State of Idaho personnel did not reveal knowledge of wood treatment or use of other hazardous substances at the site. However, ~~company blueprints indicate~~ that wood treatment may have taken place. A site visit found evidence of possible soil and water contamination. Mill and railroad activities may have generated untreated waste from oil and solvents. There are five municipal wells and 31 private wells within a three mile radius of the site. Contamination of a municipal well with tetrachloroethylene has been noted. These factors should invite further site assessment to determine routes of exposure from the soil, groundwater, and surface water pathways.

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of
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POTLATCH, INC. - LARGE MILL

1. INTRODUCTION

Pursuant to Cooperative Agreement V000409-01 between the U.S. Environmental Protection Agency (EPA) and the Idaho Division of Environmental Quality (DEQ), the DEQ conducted a Preliminary Assessment (PA) at the site known as Potlatch Forest Inc. - Large Mill.

PA's are intended to identify potential hazards at sites, to identify sites that may require removal action where a substantial danger to present or future public health or environment exists, and establish priorities for sites requiring in-depth investigations (Site Inspections) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The information may lead to placement of the site on the National Priority List. The PA is based

on readily available information about the site including field reconnaissance and is not a full investigation or characterization of the site.

The Potlatch Inc. - Large Mill PA was conducted to identify potential public health and environmental threats related to the site. The PA is based on data derived from the sources listed in the references.

2. SITE DESCRIPTION, OPERATIONAL HISTORY, AND WASTE CHARACTERISTICS

2.1. SITE DESCRIPTION AND OPERATIONAL HISTORY

The site (Lat. 46°55'37" Long. 116°54'24") is located in the town of Potlatch in northwest part of Latah County, Idaho. The Potlatch Corporation, 805 Mill Road, Lewiston, ID 83501 still owns the property on which it operated from 1906 to 1981 one of the largest White Pine sawmills in the United States. The mill produced lumber, lath, and railroad ties. Lumber production when the mill first opened was 350,000 board feet sawn per ten-hour shift by a crew of 500 people and 30 horses. The mill was powered by five steam boilers burning waste wood. The facility was primarily a saw and planer mill. Logs were stored on the ground and in the Palouse River. Finished lumber was kiln dried and then stored in covered buildings or outside on the ground. On-site support facilities included welding and repair shops, two power plants, and two dams on

the Palouse River. Other on-site facilities included a machine and blacksmith shop, truck repair shop, oil and diesel fuel storage, and equipment salvage operations.

The Washington, Idaho, and Montana Railroad (WIM RR) served the facility during most of the mill's operating period. The railroad was originally built by the Potlatch Corporation, then sold to the WIM RR, later to the Milwaukee Railroad, and finally to the Burlington Northern Railroad. The WIM RR line ran from Palouse, WA to Bovill, ID, a distance of about 45 miles. The railroad connected with Lewiston, ID in the south and Spokane, WA in the north. WIM RR headquarters were located at the mill. Railroad facilities included a locomotive repair shop, roundhouse, and fuel and lubrication storage.

During 1983, the mill was dismantled and all buildings and structures were salvaged or demolished. Currently, only remnant foundations exist at the site. The site comprises approximately 328 acres, much of which is converted Palouse River wetlands.

The Palouse River is located immediately south of the site and runs generally in an east-west direction meandering through a wide flood plain (see photos in Appendix F). The site, located in the flood plain, is surrounded by low uplands

incised by tributary streams. Residential development, dryland agriculture, and forest practices are the primary land uses in the surrounding area.

The site is adjacent to both commercial and residential areas (Appendix A). The town of Potlatch is located approximately one-quarter mile due east of the site. There are approximately 800 people living within a one mile radius of the former mill site. There are estimated to be 946 people living within a four-mile radius. The nearest residence is approximately 200 feet from the edge of the site.

2.3. WASTE CHARACTERISTICS

Investigation of the site was prompted by suspected chemical wood treating at the site. Personal communication with Potlatch Corporation, the Idaho North Central District Health Department, the Lewiston Division of Environmental Quality Field Office, and a former employee revealed no knowledge of wood treatment at the site (see telephone logs in Appendix C). Company blueprints from 1950 depict a soak tank and soak tank lumber shed north of the dry kilns (Latah Co. Historical Society, 1991). A Potlatch, Corp. environmental spokesman said the soak tank contained only water used to soak white pine lumber before planing. The boards were soaked in water to keep their moisture content at an acceptable level for finishing (Hart, 1991).

The mill also produced a large number of railroad ties. During original construction of the railroad, right of way materials such as cedar and fir were used for ties. However, as the untreated ties began to deteriorate in the 1930's they were replaced with treated ones (Morefield, 1991). No documentation has been found that indicate on-site wood treatment with hazardous materials. The former manager of the facility stated that railroad ties were sawn at the mill but there were no on-site wood treatment facilities (Hart,1991).

Several areas of soil staining still visible at the facility have yet to be characterized for regulated substances. The Potlatch Corp. has shown an interest in conducting a site assessment and completing remediation if needed (Hart,1991). The staining appears to be from petroleum based compounds. The fate of spent solvents and waste oil used in railroad and/or mill maintenance activities is unknown. They were probably dumped on the ground or may have been deposited in oil pits as was the practice at the Avery Roundhouse CIRCLIS site near Avery, Idaho.

Above and below ground petroleum tanks were removed by the Portland Sawmill and Machinery Company. The mill's electrical transformers were sent to Chem Security Systems at Arlington, Oregon, a permitted treatment, storage, and disposal facility for treatment of any polychlorinated biphenol (PCB)

contamination (Hart,1991).

The Potlatch Corporation donated the mill's records to the University of Idaho after the facility closed in 1983. The introduction to the records state that "sensitive" items were removed by the company before the records were donated. A former manager who sorted the records said that the only items he pulled from them were personnel and financial records, all operational information was left in the collection (Hart,1991). A review of the collection did not reveal any details about past practices which either used or disposed of hazardous substances.

Ground water contamination within the study area has been identified in a municipal drinking water well within an one mile radius of the site. The well has been found to be contaminated with the solvent tetrachloroethylene. The source of contamination is unknown.

3. GROUND WATER PATHWAY

3.1. HYDROLOGIC SETTING

The site is located in the Palouse River groundwater system. This system forms a hydrostratigraphic unit encompassing both fine-grained sediments and underlying Columbia River Basalts filling the valley lowlands (Alt, 1989). The geologic and hydrologic characteristics of this system are not well

understood, and yields to wells are not great (50 gpm). Recharge to the system results from downward percolation of precipitation and snowmelt, runoff from surrounding uplands and recharge directly into the aquifer from the Palouse River and its tributaries. In general, the quality of groundwater is suitable for domestic use. However, levels of dissolved iron and Total Dissolved Solids may exceed the secondary drinking water standards.

3.1. GROUND WATER TARGETS

Within a one mile radius of the site there are four municipal wells used for domestic supply by the City of Potlatch and one municipal well used by the town of Onaway. In addition there are eight recorded private wells within a one mile radius (IDWR, 1991). Within the four mile radius there are an additional 37 recorded private wells. The following table displays the number of wells and population within the specified radii of the site:

Distance from site	# of wells	Population (est.)
0 - 1/4	2 city	20
1/4 - 1/2	1 city + 2 private	550
1/2 - 1	1 city + 8 private	230
1 - 2	16 private	64
2 - 3	14 private	54
3 - 4	<u>7 private</u>	<u>28</u>
Totals	4 city & 47 private	946

Recent water quality sampling of the City of Potlatch Ridge Well (#1), located in Section 35 T42N R5W, indicate the presence of tetrachloroethylene, a solvent and degreaser. The well is the primary drinking water source for the City of Potlatch. Sampling found 0.001 mg/l of the nonregulated VOC. EPA recommended maximum contaminant level is 0.005 mg/l. Additional samples have been collected and are being analyzed. The source of contamination is unknown.

3.3. GROUND WATER CONCLUSIONS

No documented evidence of a release to deep ground water has been found. Routine water quality monitoring of the two deep municipal wells located on the former mill site have not shown signs of contamination. However, the possibility exists that solvents or waste oil have been released to shallow ground water. Ground water is vulnerable at the site due its seasonal presence only 36 to 60 inches below the surface.

4. SURFACE WATER PATHWAY

4.1. HYDROLOGIC SETTING

The mean annual precipitation for the area measured at a weather station in Potlatch is 25.01 inches. The 2 Year 24 Hour precipitation is 1.8 inches (NOAA, 1973). Precipitation falls from November through June with the majority of it as snow. There is limited rainfall in the summer and fall. Average annual lake evaporation is 34 inches.

The average annual daily flow of the Palouse River is 268 CFS, recorded at a gage two miles downstream of the site (USGS, 1989). Maximum discharge of record is 10,100 CFS in January 1974. Minimum recorded discharge was 0.07 CFS in September, 1973.

The site lies within the Palouse River floodplain. The location of the former largest site structure is approximately 400 feet north of the river. Other previous structures such as oil and fuel storage were located much closer to the river.

The Palouse River has relatively large areas of wetlands when compared to other local rivers. The wetlands are generally areas of low flood plain, pinched off river oxbows, and areas beside low gradient tributaries adjacent to the river. There are 220.8 acres of wetlands from the site downstream 8.6 miles to the Washington state line (USDA/SCS, 1991). In the additional 6.4 miles of river corridor from the Washington state line downstream we estimated there to be an additional 164.5 acres of wetlands for a total 385.3 acres of wetlands, 15 miles downstream of the site. The town of Palouse, WA is about 10.1 miles downstream of the site.

4.2. SURFACE WATER TARGETS

There are no known domestic water intakes within fifteen miles downstream of the site (Palouse, 1991). The Palouse River is not used as a sport or subsistence fishery due to the low

numbers of resident game fish. Fish populations levels are currently lbs/mile, the populations are limited due to habitat degradation from forest and agricultural land use (IDFG,1991). There are no know sensitive environments such as critical habitat for endangered species, Wild and Scenic Rivers, or anadromous fisheries within a four mile radius of the site.

4.3. SURFACE WATER CONCLUSIONS

There are no documented or suspected releases of hazardous substances to surface water.

5. SOIL PATHWAY

5.1 SOIL DESCRIPTION

The site is classified as having Hampson silt loam soils (USDA,1981). Soils are very deep alluvium on valley floors. Typically, the soils are dark gray silt loam greater than 60 inches in depth. Permeability is moderate and water capacity is high. A seasonal high water table is at a depth of 36 to 60 inches in late winter and early spring. Flooding occurs during the spring. Crops, recreational development, and structural development is limited by seasonal high water table, frost action, and flooding hazard.

5.2 SOIL TARGETS

A release of hazardous substances to soil has not been documented. However, two areas of dark soil staining were found during a site visit (see photos in Appendix F). Also,

vegetation in another area appeared to be affected by a chemical release. These areas may be contaminated with solvents and waste oils for the reasons described in sections 2.1, 2.3, and 4.1. The soil stained areas will need further characterization to establish the presence or absence of any hazardous substances.

The site is easily accessible to the general public; there is no fence around the property. Both primary and secondary schools are within a one mile radius of the site.

5.3 SOIL CONCLUSIONS

A release of hazardous substances is suspected to have occurred to soils at the site due to the assumed past operational practices of that period.

6. AIR PATHWAY

There is little likelihood of hazardous substance releases to air since compounds capable of contaminating air were not generally used at this type of site.

7. RADIOACTIVE SUBSTANCES

There is no documented release or suspected use of radionuclides at the facility.

8. RECOMMENDATIONS

It is recommended that the Potlatch Corporation be encouraged to conduct a preliminary site assessment at the soil stained areas to determine if CERCLA regulated substances are present at the site. If CERCLA regulated substances are detected then an assessment of shallow ground water should be undertaken. Also, the assessment should try to identify the source of tetrachloroethylene contamination found in the City of Potlatch well.

If regulated CERCLA substance are found at levels of concern then a site inspection of the facility should be considered in order to collect the data necessary to complete the Hazard Ranking System (HRS) evaluation for the site. The information can then be used to assist EPA in determining eligibility for placement on the National Priorities List (NPL).

REFERENCES

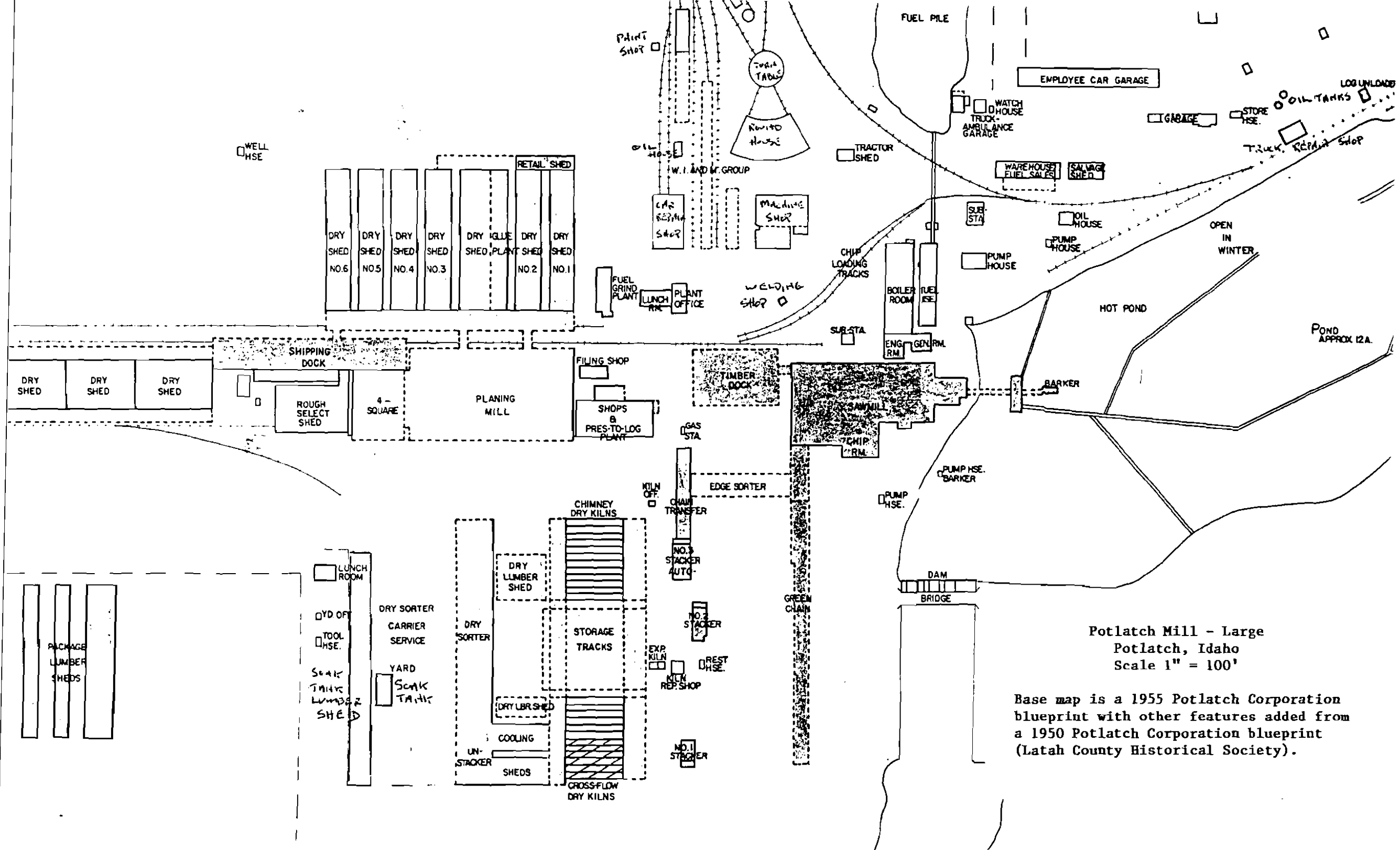
- Dameworth, W. 1989. Environmental Engineer, Potlatch Corporation, Lewiston. Personal Communication.
- Gabriel, R. 1989. North Central District Health Department, Latah County Office. Personal Communication.
- Geaudreau, D. 1991. North Central District Health Department, Nez Perce County Office. Personal Communication.
- _____. 1989. Personal Communication.
- Grahm, W. G. and Campbell, L. J. 1981. Groundwater Resources of Idaho: Idaho Department of Water Resources.
- Hochzner, C. 1989. Former employee, Potlatch sawmill. Personal Communication.
- Hart, P. 1991. Environmental manager Potlatch Corp. Conversation with Paul Tobin former manager of the Potlatch-Large Mill facility. Personal Communication.
- IDWR. 1991. Well Driller Reports. Boise.
- IDHW DEQ. 1985. Idaho Water Quality Standards and Wastewater Treatment Requirements.
- IDHW DEQ. 1991. Unpublished drinking water data.
- Latah County Historical Society. 1991. Documents about Potlatch, Idaho.
- Latah County Tax Assessor, Moscow. Personal Communication.
- Morefield, J.E. 1991. Camas Prairie Railroad Co. Personal Communication.
- NOAA. 1973. Precipitation-Frequency Atlas of the Western US, Vol. V. Superintendent of Documents, Washington, DC.
- _____. 1985. Monthly Normals of Temperature, Precipitation and Heating and Cooling Degree Days 1951-1980, Idaho. Ashville, N.C.
- University of Idaho. 1991. Special collections, documents donated by Potlatch Corporation.
- USDA SCS. 1981. Soil Survey of Latah County Area, Idaho. Boise.

_____. 1991. Wetlands base maps. Unpublished data, Moscow
Area Office.

USDI GS. 1989. Water Resource Data - Idaho. Boise, Idaho.

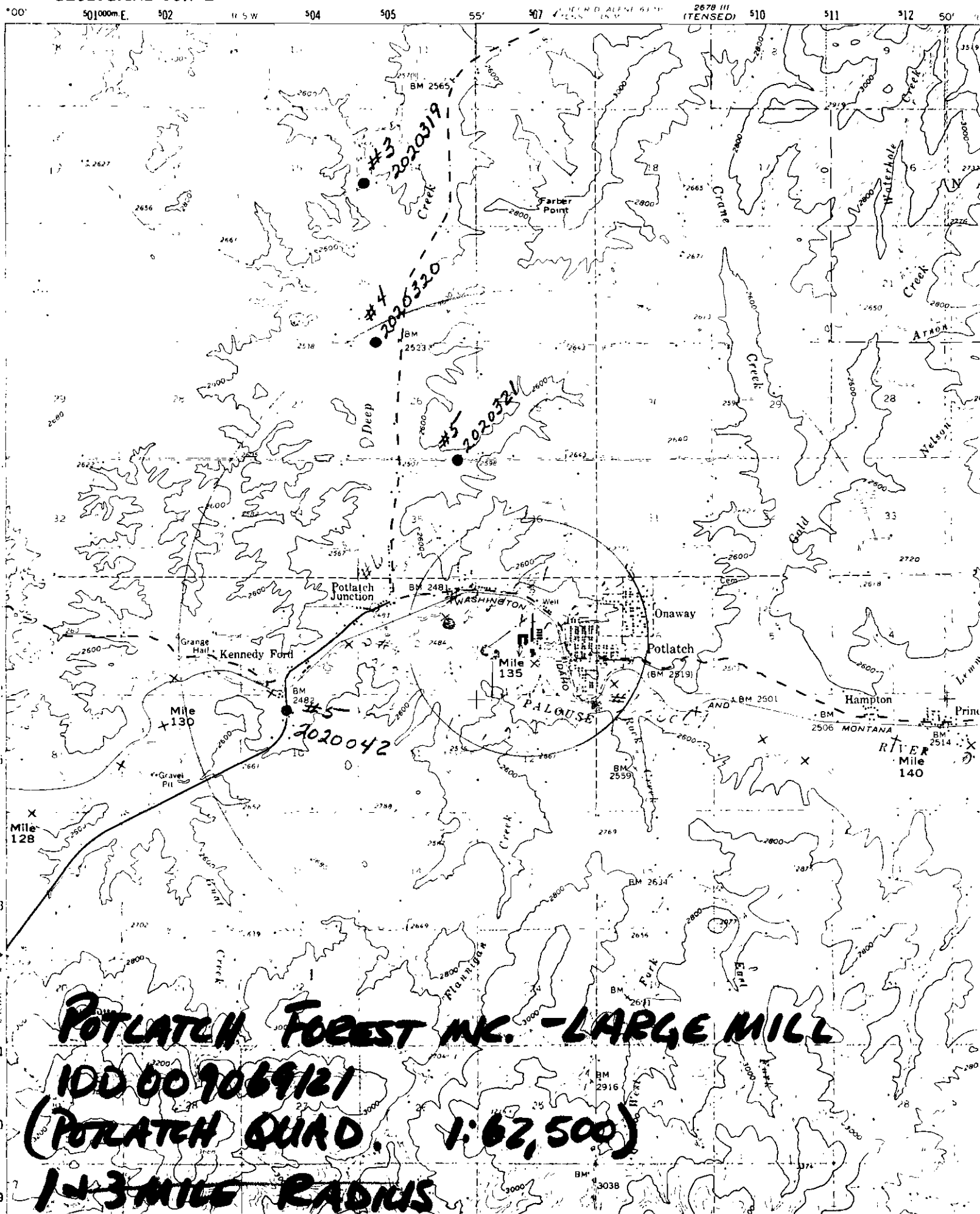
APPENDIX A:

Site Maps

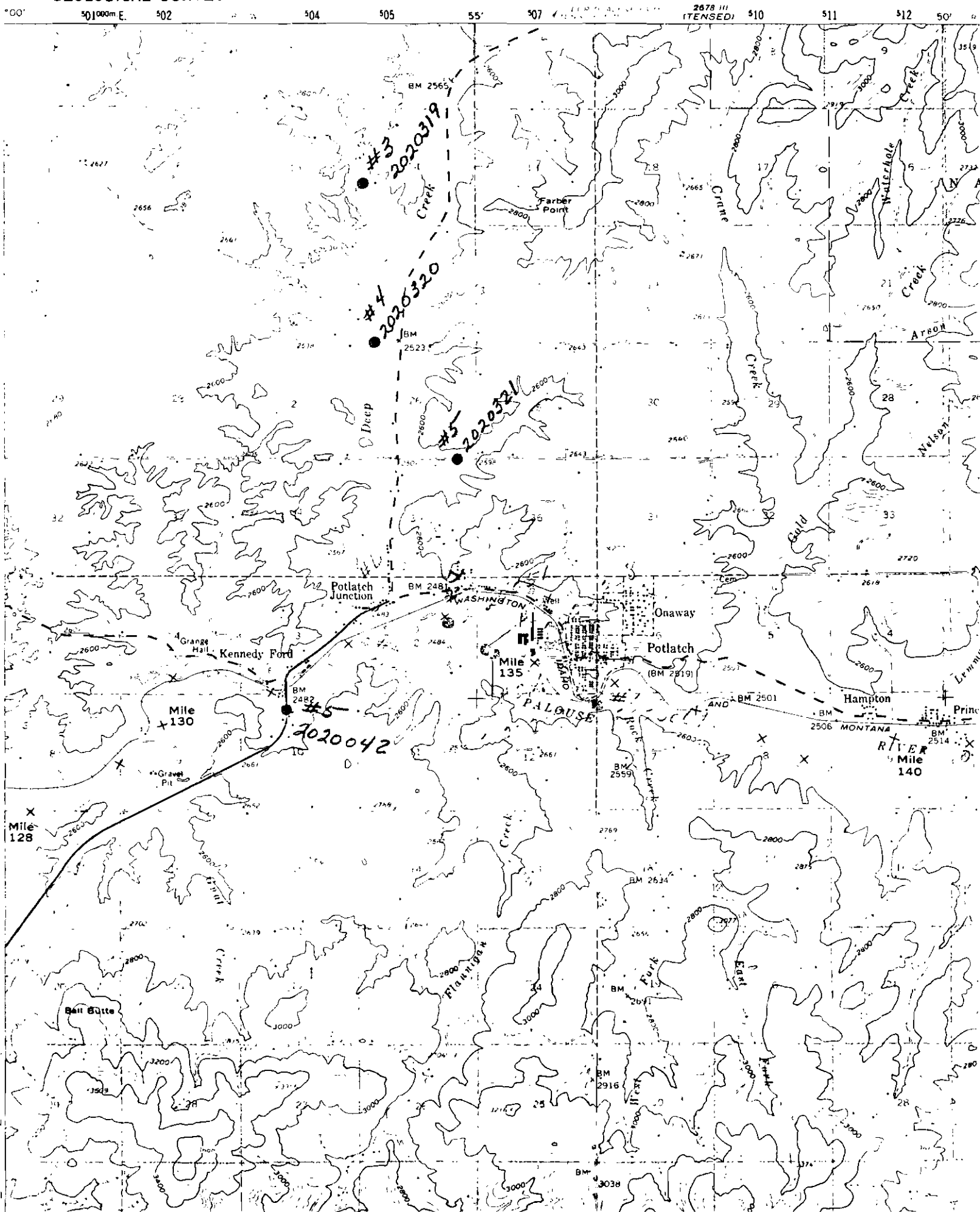


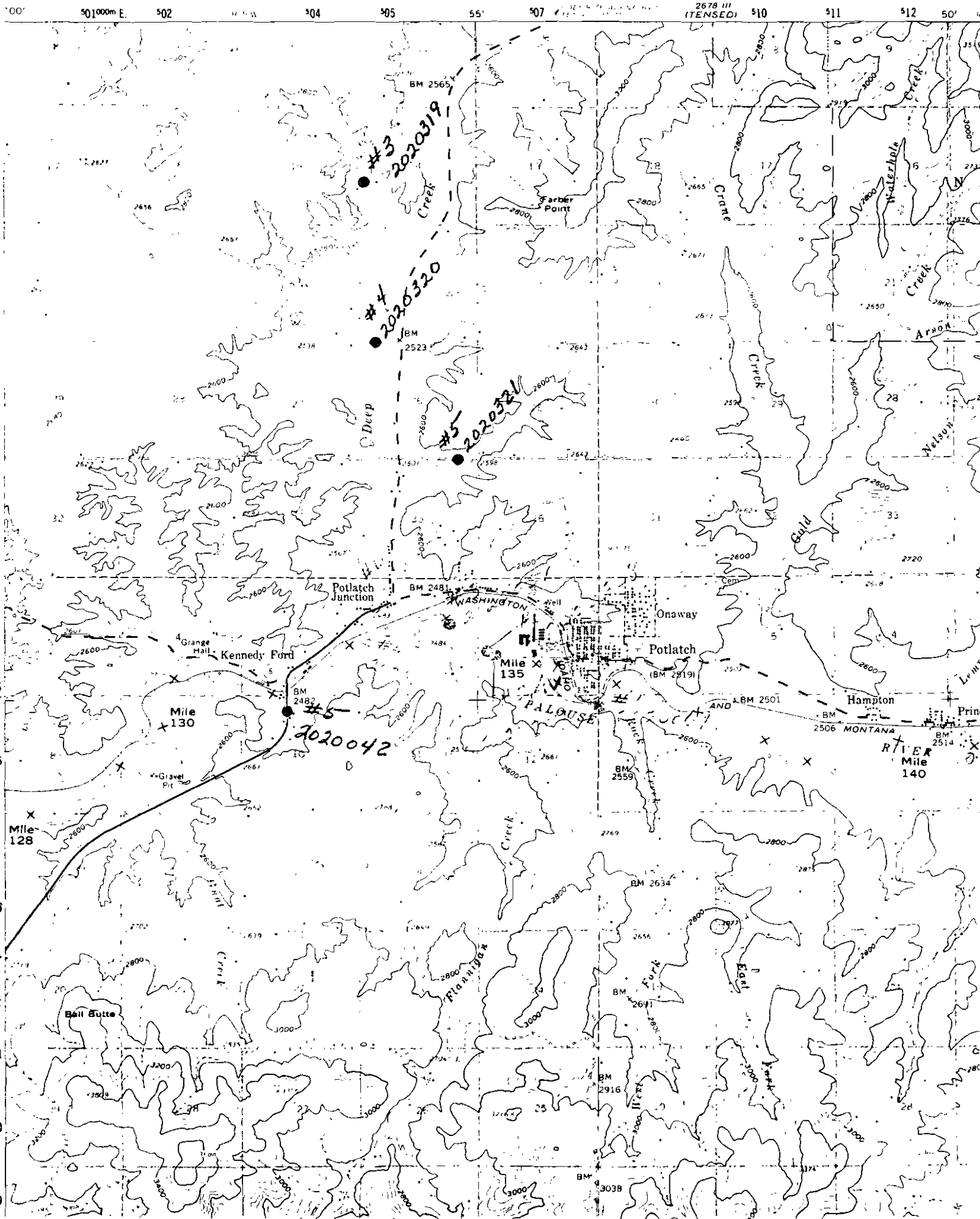
Potlatch Mill - Large
Potlatch, Idaho
Scale 1" = 100'

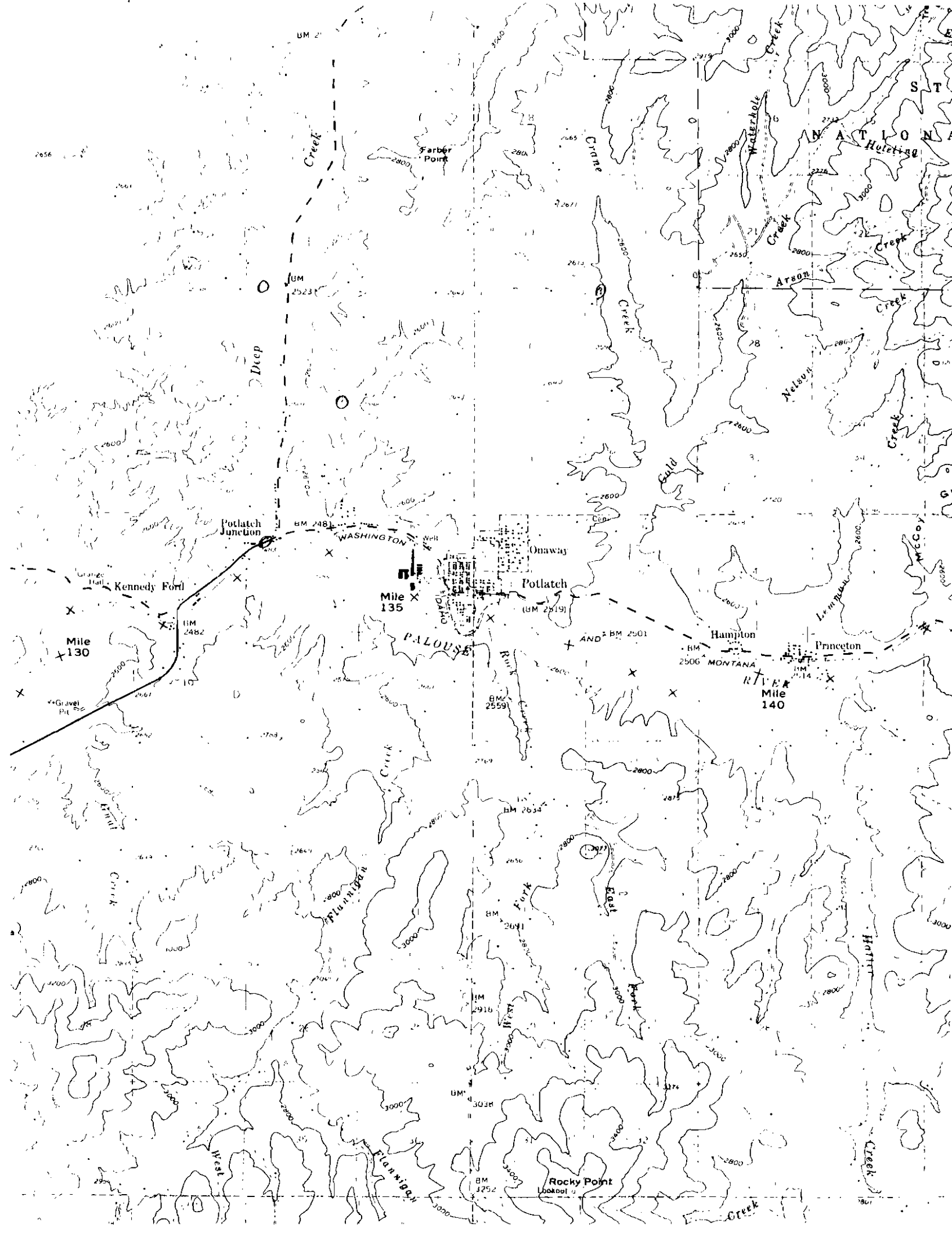
Base map is a 1955 Potlatch Corporation
blueprint with other features added from
a 1950 Potlatch Corporation blueprint
(Latah County Historical Society).

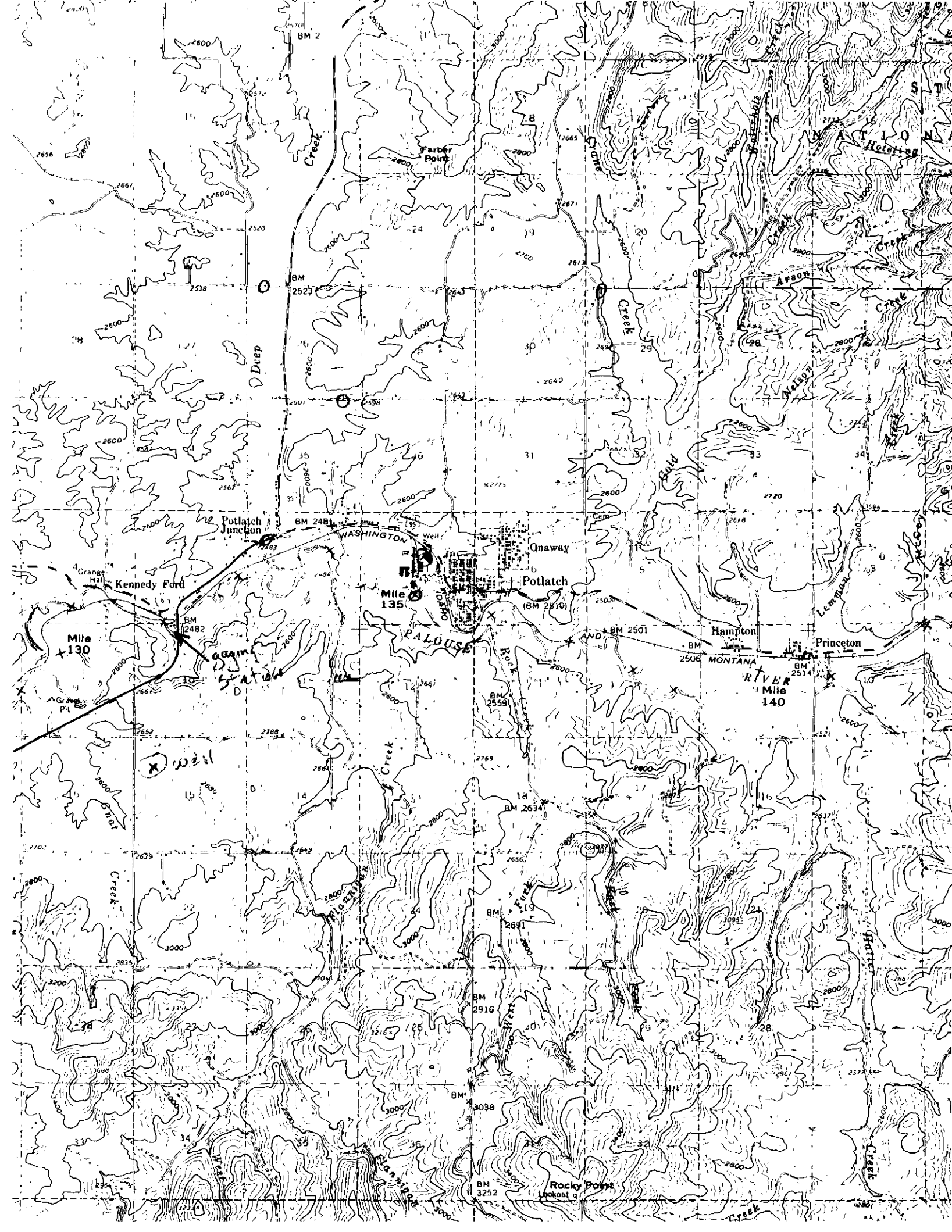


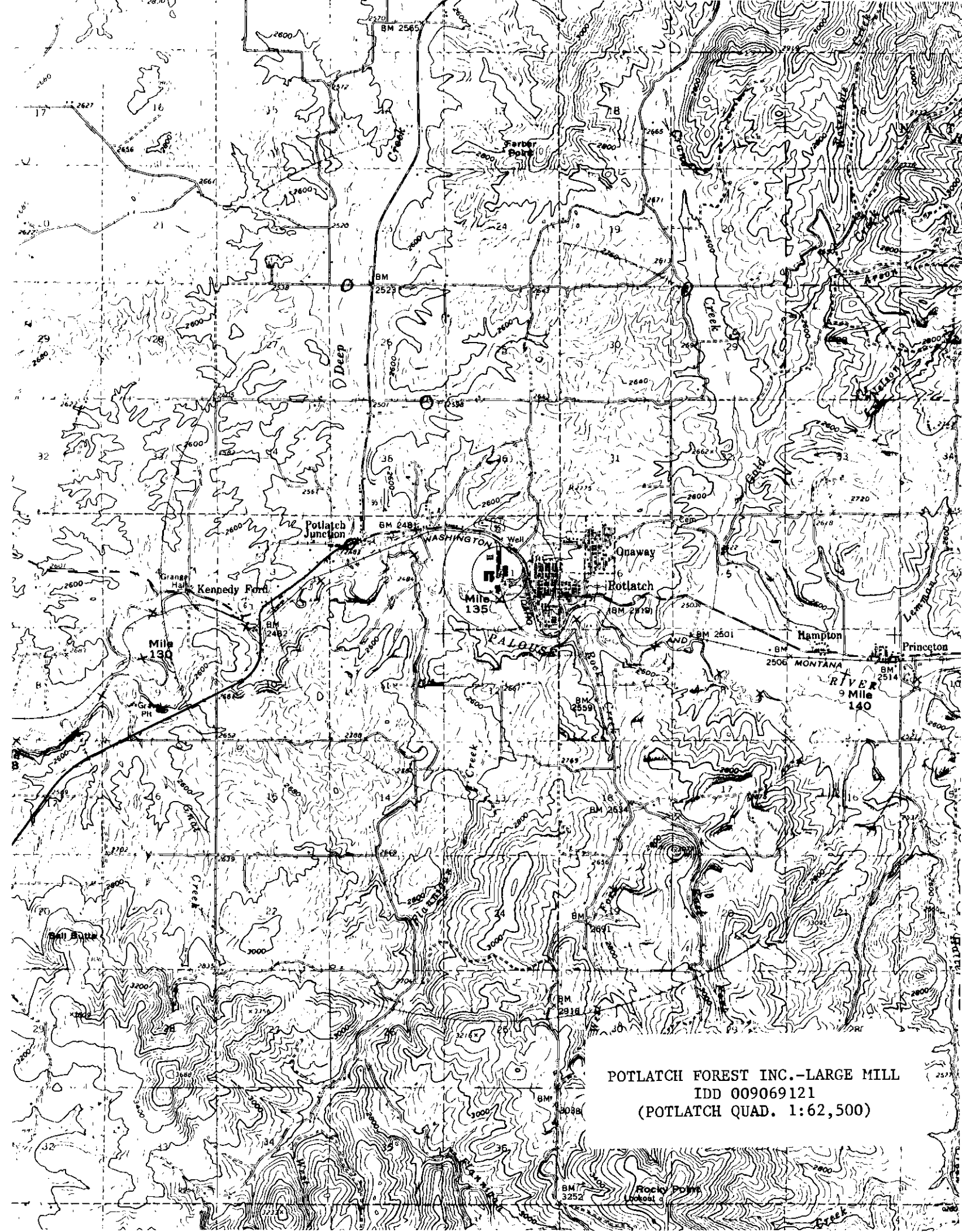
WATER QUALITY BUREAU











POTLATCH FOREST INC.-LARGE MILL
IDD 009069121
(POTLATCH QUAD. 1:62,500)

APPENDIX B:

Well Logs

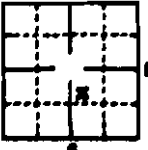
WELL DRILLER REPORTS 19-AUG-91

1/4 CITY-POTLATCH	228	1	41N	5W	BARRETT, HERSCH	190	25	42N	3W	JULIAN, DELBERT	245	13	43N	1W	ROSS, ROBERT	228	11	44N	1W
1/4 CITY-POTLATCH	228	1	41N	5W	REDMOND, JOHN	190	25	42N	3W	WHITE, RAY	414	13	43N	1W	ROSSETTO, PAUL	228	11	44N	1W
1/2 CITY-POTLATCH	+999	1	41N	5W	MAGALLON, DARRE	155	33	42N	3W	ELLSWORTH, DONA	289	19	43N	1W	WHITTINGTON, CA	228	11	44N	1W
1/2 BAIN, MARVIN R.	376	2	41N	5W	WORKMAN, WESELY	163	33	42N	3W	ODELL, DEBRA	289	19	43N	1W	DUTRO, RODNEY	245	13	44N	1W
1/2 WICKLE, WALLEY	356	2	41N	5W	CLANTON, GENE	356	34	42N	3W	MILLER, S. B.	163	20	43N	1W	DUTRO, RODNEY	245	13	44N	1W
2 ATKISON, GLEN	155	3	41N	5W	HANSEN, GARFIEL	228	36	42N	3W	LA PLANTE, MIKE	228	6	43N	2W	STOMALL, JOAN	414	14	44N	1W
1 COMSTOCK, MARK	58	3	41N	5W	LEPPELMAN, LOU	58	5	42N	4W	LAW, FRANK	414	1	43N	3W	GUSTENSUN, GUS	228	15	44N	1W
1 CONE, DALE	+115	3	41N	5W	MAGALLON, WAYNE	+13	6	42N	4W	YANDON, ROBERT	228	1	43N	3W	SULLIVAN, CHARL	228	15	44N	1W
1 MECKEL, FRED	+13	3	41N	5W	SCHOLFIELD, TOM	190	17	42N	4W	RHOADES, WILLIA	228	2	43N	3W	ROMAN, JOE	228	17	44N	1W
1 MYGARD, GARY	58	3	41N	5W	OSBORNE, CARL	+58	18	42N	4W	BERRETH, JOHNNI	376	6	43N	3W	ROMAN, VICTOR	385	17	44N	1W
3 CORNSTOCK, BRUC	58	4	41N	5W	POOL, LESTER	+155	28	42N	4W	NORTH SOUTH SKI	440	24	43N	3W	ROMAN, VICTOR	385	17	44N	1W
4 DAILY, ROBERT	155	4	41N	5W	OWENS, WILBUR	+179	34	42N	4W	MAGARES, HOMER	228	1	43N	4W	HANSEN, GORDEN	179	18	44N	1W
4 JENSEN, MAX	190	8	41N	5W	VOSS, FERDINAND	190	34	42N	4W	MATTESON, STEVE	163	1	43N	4W	SCHULTZ, MIKE	385	20	44N	1W
4 TUTTLE, ROBERT	155	8	41N	5W	BRINCKEN, F. H.	13	2	42N	5W	FOOTE, JONNIE	228	2	43N	4W	BROADFOOT, LIND	163	22	44N	1W
3 CANAK, RAY	58	10	41N	5W	THOMPSON, CAROL	376	2	42N	5W	FOOTE, JONNIE	228	2	43N	4W	CITY-SANTA	+410	22	44N	1W
3 WIDMAN, CHARLES	58	10	41N	5W	CURTIS, GARRY	356	3	42N	5W	HORLACHER, WALT	228	3	43N	4W	BERENS, AL	745	23	44N	1W
2 BECKNER, BRUCE	376	11	41N	5W	NIRK, LARRY	376	12	42N	5W	INDIAN HEALTH S	228	3	43N	4W	CHAMBLESS, SIDN	245	23	44N	1W
2 WALSER RANCH IN	+13	12	41N	5W	NIRK, RONALD	+13	12	42N	5W	FRITSCH, MELVI	228	4	43N	4W	ALLEN, WAYLEND	414	24	44N	1W
2 MC BRIDE, JACK	115	15	41N	5W	SCHWANDT, LYNNE	163	13	42N	5W	LORENTZ, GLEN	322	15	43N	4W	CARMICHAEL, RAY	356	24	44N	1W
1 LAZELLE, BILLY	376	18	41N	5W	KERNS, JAMES	190	17	42N	5W	PROVINCE, DEANN	376	15	43N	4W	MILLS, BETTY	228	24	44N	1W
1 WAGNER, LOREN	376	19	41N	5W	FISSCUS, STEVE	58	19	42N	5W	KOESTER, BOB	190	28	43N	4W	MURDOCK, JACK	228	24	44N	1W
1 LYNAS, STEVE	190	20	41N	5W	HILL, JAKE J.	376	19	42N	5W	MINDEN, RICK	376	28	43N	4W	POWELL, KEITH A	228	24	44N	1W
4 ROBINSON, JACK	+13	20	41N	5W	FRENCH, DARREL	190	23	42N	5W	MINERAL MOUNTAI	+410	29	43N	4W	RICHARSON, MICH	385	24	44N	1W
4 SMITH, ED	58	23	41N	5W	EMERSON, MYRON	+155	26	42N	5W	SOUTHWICK, PHIL	+58	29	43N	4W	WAYLEND, ALLEN	414	24	44N	1W
4 THOMPSON, WEBB	190	23	41N	5W	STEELE, JOHN	190	26	42N	5W	STRONG, RUSSELL	+71	30	43N	4W	WIENMANN, NICK	228	24	44N	1W
4 FERRWALT, BILL	115	26	41N	5W	HORN, RALPH	190	27	42N	5W	BOSTROM, GUS	190	31	43N	4W	WILLIAMS, FRED	228	25	44N	1W
4 GAYMAN, KEN	115	26	41N	5W	LANDERSON, JOE	58	32	42N	5W	KATZENBERGER, J	+71	31	43N	4W	MAGALLON, JOHN	228	28	44N	1W
4 ANDERSON, WILLI	376	27	41N	5W	CITY-POTLATCH	+125	35	42N	5W	MAGLE, DON	+58	31	43N	4W	MAGALLON, JOHN	228	28	44N	1W
4 MARR, DARGON	190	27	41N	5W	COMINCO AMERICA	103	35	42N	5W	NIRK, RON	376	31	43N	4W	POTTINGER, DONN	452	28	44N	1W
4 TAYELL, GLENN	179	30	41N	5W	EMERSON, ELLIS	+155	35	42N	5W	SLAGLE, DALE	190	31	43N	4W	TOBIAS, ROBERT	228	28	44N	1W
4 GOETZ, CHUCK	58	32	41N	5W	FRAZIER, JACK	163	35	42N	5W	ABBOTT, ARNOLD	190	32	43N	4W	CLARK, JOHN	+62	32	44N	1W
4 ROWAN, MAURICE	376	32	41N	5W	HEWETT, ROGER	376	35	42N	5W	GRAHAM, GARY	228	32	43N	4W	GREENER, RUSSEL	214	14	44N	2W
4 VAN HULL, ANDRE	+58	32	41N	5W	HUBNER, FLOYD	58	35	42N	5W	GUNTHER, DON	+115	32	43N	4W	SWAN, WILLIAM	228	22	44N	2W
4 BRIGHT, RICHARD	190	34	41N	5W	HUETT, ROGER	376	35	42N	5W	BRUCE, DANIEL	228	6	43N	5W	CARMAN, ARTHUR	+52	23	44N	2W
4 DUNFORD, DAVE	+150	34	41N	5W	MARTIN, ALVIN	190	35	42N	5W	BRUCE, DANIEL A	228	6	43N	5W	PERRIN, ORVAL	+52	23	44N	2W
4 HINRICHS, WILLI	190	34	41N	5W	WOLHETER, STEVE	376	35	42N	5W	BRUBAKER, BOB	414	35	43N	5W	WILKS, RICHARD	115	24	44N	2W
4 MC FERON, CLAUD	150	34	41N	5W	CLAWSON, D. W.	+13	36	42N	5W	LORD, ELIZABETH	414	35	43N	5W	WILKS, RICHARD	228	27	44N	2W
4 SAMPSON, STEVE	+190	34	41N	5W	KENDALL, GARY	+103	24	42N	6W	MERRILL, AUDREY	376	35	43N	5W	LUECK, MONTY	228	32	44N	2W
4 SINCLAIR, NORMA	+150	34	41N	5W	KENDALL, GARY	+103	24	42N	6W	BRUCE, DAN	52	1	43N	6W	OATES, LEMELY E	228	32	44N	2W
4 SINCLAIR, NORMA	190	34	41N	5W	BLOOD, MARJORIE	155	36	42N	6W	WRIGHT, LAURENC	52	12	43N	6W	STIKES, FREDERIC	415	32	44N	2W
4 SPANGLER, EARL	190	34	41N	5W	MC CALL, RONALD	385	5	43N	1E	NELSON, HAROLD	214	25	43N	6W	BARTON, GARY	452	33	44N	2W
4 ANDERSON, DAN	179	35	41N	5W	MAGALLON, WAYNE	155	7	43N	1E	PARBERRY, GARY	228	25	43N	6W	BRUSSEAU, BOB	+163	33	44N	2W
4 HUNT, DERREL	179	35	41N	5W	NELSON, WILLIAM	163	7	43N	1E	PARBERRY, GARY	228	25	43N	6W	CITY-EMIDA	113	33	44N	2W
4 NEWALL, ROBERT	58	35	41N	5W	IDAHO GARNET CO	228	15	43N	1E	PARBERRY, GARY	376	25	43N	6W	DAWSON, ROBERT	163	33	44N	2W
4 NORTON, STEVE	58	35	41N	5W	IDAHO GARNET AB	244	34	43N	1E	EDER, HARRY	245	30	44N	1E	HEATH, CONNIE	+228	33	44N	2W
4 NORTON, STEVE	190	35	41N	5W	U.S. FOREST SER	52	20	43N	09E	HILLS, ROGER	228	33	44N	2E	LOCKART, STEVE	214	33	44N	2W
4 THOMPSON, VAN &	376	17	41N	6W	U.S. FOREST SER	52	20	43N	09E	RIDER, BEN SCOT	228	34	44N	2E	UNDERWOOD, PAUL	+228	33	44N	2W
4 U.S. FOREST SER	52	3	42N	1E	U.S. FOREST SER	52	20	43N	09E	U.S. FOREST SER	269	32	44N	5E	DE ROSA, MIKE	452	34	44N	2W
4 WASHINGTON SHAK	356	13	42N	1E	U.S. FOREST SER	52	20	43N	09E	U.S. FOREST SER	269	36	44N	8E	YEAROUT, GEORGE	+71	4	44N	3W
4 CLARKIA SEWER &	163	7	42N	2E	U.S. FOREST SER	269	20	43N	09E	HEATH, CONNIE	228	33	44N	9E	BUNT, ROBERT C.	228	25	44N	3W
4 CLARKIA WATER	163	7	42N	2E	U.S. FOREST SER	269	20	43N	09E	UNDERWOOD, PAUL	228	33	44N	9E	DAY, DAVID	245	25	44N	3W
4 CLARKIA WATER	163	7	42N	2E	ROSEN, TOM	385	3	43N	1W	CITY-SANTA	163	10	44N	1W	DAY, DAVID	245	25	44N	3W
4 FOWLER, KENNETH	163	10	42N	2W	WATKINS, TERRY	228	11	43N	1W	BEGGS, LEE	228	11	44N	1W	DICKERSON, FRAN	245	25	44N	3W
4 REID, RAY	245	16	42N	2W	ECKLAND, LEANDE	448	13	43N	1W	HAGELSTROM, ART	+402	11	44N	1W	BURMEISTER, HAR	+228	26	44N	3W
4 WOODFELL-MENDEN	190	23	42N	3W	JORDAN, JOYCE	245	13	43N	1W	PARR, CALVIN C.	228	11	44N	1W	CADY, DON	163	33	44N	3W

WELL DRILLER REPORTS 19-AUG-91

PEEK, JIM	58	4	40W	5W	YOUNG, MEL	150	18	40W	5W	DERBEY, AL	58	24	41N	1W	CONE, DELFRED	190	9	41N	4W
REESE, JIM	+190	4	40W	5W	DELMAR, DON	103	19	40W	5W	GRIFFIN, WILLIA	163	25	41N	1W	CONE, VINCENT	+179	9	41N	4W
WILLIAMS, RALPH	58	4	40W	5W	KAYMEIR, RAY	103	19	40W	5W	POPPINO, CECIL	385	31	41N	1W	JOHNSON, LARRY	+190	9	41N	4W
BENNER, DON	58	5	40W	5W	MC COY BROS. PL	+ 58	20	40W	5W	WILLIAMS, GENEV	179	1	41N	2W	CONE, DOLFRED	+190	10	41N	4W
BRODE, WALT	58	5	40W	5W	ARNOLD, FRED	190	22	40W	5W	ACKERMAN, GLEN	+179	3	41N	2W	DOTY, FRED	+190	10	41N	4W
COLSON, DENNIS	58	5	40W	5W	HILLS, JOHN	376	22	40W	5W	WATT, CHARLES	179	7	41N	2W	LIENHARD, RAYMO	228	10	41N	4W
FLETCHER, MAX	376	5	40W	5W	PRESOL, GARY	+155	22	40W	5W	WORKMAN, CLARK	376	24	41N	2W	MORRIS, DALE	+190	10	41N	4W
KILLSGAARD, CAR	228	5	40W	5W	STAGE, ALBERT	190	22	40W	5W	HAGAN, EVERETT	179	31	41N	2W	PALMER, RANDY	58	10	41N	4W
MUSICK, HOWARD	13	6	40W	5W	STAGE, ALBERT	115	23	40W	5W	JOHNSON, EARL	+155	31	41N	2W	PALMER, RANDY	58	10	41N	4W
GLEASON, ROBERT	58	7	40W	5W	GUESS, CHARLES	115	24	40W	5W	JOHNSON, EARL	179	31	41N	2W	RITCHER, HENRY	+179	10	41N	4W
HILL, MERLE	58	7	40W	5W	HORNING, FRED	+ 13	24	40W	5W	ADKINS, LYNN	163	32	41N	2W	SKILLE, JACK	190	11	41N	4W
LEPPELMAN, JOHN	58	7	40W	5W	RASMUSSEN, CECI	155	25	40W	5W	BEYMER, WAYNE	+163	32	41N	2W	DEWEY, JAMES	155	14	41N	4W
MEADE, JOHN	58	7	40W	5W	WILLIAMS, ROY	155	25	40W	5W	CHANDLER, DENNI	190	2	41N	3W	DRURY, OMAR	+179	14	41N	4W
STEVENS, WAYNE	58	7	40W	5W	BISHOP, GARY D.	228	26	40W	5W	FRANKLIN, JUDOI	155	2	41N	3W	LEONARD, BOB	+190	14	41N	4W
STIENHORST, KIR	58	7	40W	5W	FRINK, ORRIN	155	26	40W	5W	MINDEN, IRVIN	190	2	41N	3W	VAN HORN, MARK	103	14	41N	4W
NEARING, GUY	58	8	40W	5W	NASH, HOWARD	58	26	40W	5W	WHITE, GERALD	190	3	41N	3W	WILCOXSON, JOHN	376	14	41N	4W
NEARING, GUY	58	8	40W	5W	MC MILLAN, ELTO	155	26	40W	5W	CHANDLER, DUANE	190	4	41N	3W	BESST, DALE	190	15	41N	4W
PETERSON, HAZEL	58	8	40W	5W	BOSSE, LEO	155	27	40W	5W	MINDEN, IRWIN	190	4	41N	3W	DE MATTIA, NICK	155	15	41N	4W
PETERSON, HAZEL	58	8	40W	5W	DE MEERLEER, JI	115	27	40W	5W	POSEY, LAWRENCE	190	5	41N	3W	MILLER, MIKE	376	15	41N	4W
CRORO, CLAUDE	179	13	40W	5W	GARRETT, KEN	179	27	40W	5W	FRENCH, LLOYD	+ 71	7	41N	3W	RODE, OWEN	376	15	41N	4W
KRUMPY, ED	58	15	40W	5W	GARRETT, KENNET	376	27	40W	5W	MINDEN, LESTER	376	7	41N	3W	SCOLES, ROY	999	15	41N	4W
FICCA, JOHN	58	16	40W	5W	HORNOCKER, MAUR	+155	27	40W	5W	BARTLETT, LAMON	+190	9	41N	3W	SCOLES, ROY	999	15	41N	4W
HELSEY, DAVE	58	16	40W	5W	STORLA, EUGENE	+155	27	40W	5W	CITY-HARVARD	415	9	41N	3W	UTT, FRANK	58	15	41N	4W
HODGE, LARRY	115	16	40W	5W	TRAIL, FLOYD	155	27	40W	5W	CITY-HARVARD	415	9	41N	3W	DRIGGS, JOHN	58	16	41N	4W
HUNTA, BOB	58	16	40W	5W	WALLEN, JOHN	58	32	40W	5W	CITY-HARVARD	415	9	41N	3W	STEWERT, BOB	58	16	41N	4W
MAGREA, DORENE	58	16	40W	5W	KOSTER, A. E.	155	33	40W	5W	CITY-HARVARD	415	9	41N	3W	BRYNGELSON, RAN	190	17	41N	4W
PETERSON, HAZEL	58	16	40W	5W	WALLACE, JAMES	155	33	40W	5W	CITY-HARVARD	415	9	41N	3W	BURRIS, LOREN	190	17	41N	4W
PIERCE, GIFFORD	58	16	40W	5W	WALLACE, JAMES	155	33	40W	5W	HARVARD CITY WE	415	9	41N	3W	HORNBUCKLE, LEO	+ 13	17	41N	4W
SPADY, BOB	58	16	40W	5W	GIBB, DICK	58	34	40W	5W	OYLEAR, JESSE	155	9	41N	3W	LARSON, JAMES G	376	18	41N	4W
VAN HORN, JOHN	103	16	40W	5W	GIBB, RICHARD	58	34	40W	5W	OYLEAR, JESSE	155	9	41N	3W	ROSE, FRED	376	18	41N	4W
BELLES, WAYNE	+ 58	17	40W	5W	KOSTER, A. E.	+155	34	40W	5W	OYLEAR, ORLENE	228	9	41N	3W	HUTTON, MIKE	190	19	41N	4W
BETTS & PETERSO	58	17	40W	5W	TOWN, DON	+155	34	40W	5W	OYLEAR, J. C.	+155	10	41N	3W	HARRIS, DAVE	190	20	41N	4W
BETTS & PETERSO	58	17	40W	5W	LEVECKE, WARREN	103	35	40W	5W	OYLIAR, JESSE B	376	10	41N	3W	JONES, FRANK	190	21	41N	4W
BETTS, EDITH	190	17	40W	5W	MAYBERRY, WAYNE	+ 58	35	40W	5W	O REILLY, DICK	+155	18	41N	3W	PETTIBONE, TIM	190	21	41N	4W
CONITIZ, MERLE	+ 58	17	40W	5W	PREECE, GREG J.	155	35	40W	5W	POINTON, GROVEN	190	18	41N	3W	ROBERT, JOHN	190	21	41N	4W
HENEN, JIM	58	17	40W	5W	PREECE, GREGG	115	35	40W	5W	THOMAS, KATY	179	22	41N	3W	STUBBS, FAY	+179	21	41N	4W
HUGHES, DOUG	58	17	40W	5W	CHAPMAN, BOB	115	36	40W	5W	NOOVER, LENOR	115	35	41N	3W	CALLIHAN, HAROL	+179	22	41N	4W
LEPPELMAN, JOHN	58	17	40W	5W	HEADRICK, DAVID	+179	36	40W	5W	COREY, DWIGHT	179	36	41N	3W	GERMEN, CHRISTO	+190	22	41N	4W
LEPPELMAN, LOU	58	17	40W	5W	LYON, JIM	376	36	40W	5W	JOHNSON, MARTIN	179	36	41N	3W	GERMEN, MARTIN	190	22	41N	4W
NEARING, GUY	58	17	40W	5W	LYON, JIM	376	36	40W	5W	WEEMS, DARRELL	115	36	41N	3W	OWENBY, BILL	+190	22	41N	4W
O CONNEL, DAN	103	17	40W	5W	LYONS, HAROLD	+ 13	36	40W	5W	HARRIS, DAVE	190	41N	4W	BECKER, DOUG	190	23	41N	4W	
PETERSON & BETT	58	17	40W	5W	POOL, BEN	155	36	40W	5W	KINMAN, ARCHIE	190	41N	4W	BRITT, EARL	190	26	41N	4W	
PETERSON & BETT	58	17	40W	5W	POOL, DALE	155	36	40W	5W	BUTTERFIELD, KE	155	1	41N	4W	KURTZ, ERIC	376	26	41N	4W
PIEL, KEN	58	17	40W	5W	TOWN, DON	+155	36	40W	5W	BUTTERFIELD, KE	155	1	41N	4W	CARPENTER, MIKE	376	27	41N	4W
SCHELLING, NICK	214	17	40W	5W	CONE, MARVIN	+155	1	40W	6W	MC DANIELS, MAX	+ 58	4	41N	4W	JOHNSON, DAVID	190	27	41N	4W
STORM, LEO	103	17	40W	5W	VIOLA WATER & S	228	1	40W	6W	REYNOLDS, CLAYT	+155	4	41N	3W	MATSON, LARRY	190	27	41N	4W
TANNER, MACK	52	17	40W	5W	HANSEN, JERRY	179	8	40W	6W	REYNOLDS, CLAYT	190	4	41N	3W	PRESSNALL, BEN	155	27	41N	4W
TAYLOR, ROY	+ 58	17	40W	5W	BECK, BILL	58	24	40W	6W	VOWELS, EDDIE	376	4	41N	3W	SCHOTT, JIM	190	27	41N	4W
WILLIAMS, SCOTT	155	17	40W	5W	HITTLE, ORVILLE	+103	24	40W	6W	ACKERMAN, JOHN	228	5	41N	3W	SHAWLEY, CHARLE	190	29	41N	4W
COOMES, GERALD	58	18	40W	5W	DAVIS, M. E.	+ 58	25	40W	6W	BENNETT LUMBER	+115	6	41N	3W	SHAWLEY, FRED	+190	29	41N	4W
DUPIN, PAUL	58	18	40W	5W	BOMEY, KEN	58	19	41N	1E	CITY-ONAWAY	125	6	41N	3W	FIEDLER, A. E.	190	30	41N	4W
KIBLEN, TODD	58	18	40W	5W	CITY OF BOVILL	58	31	41N	1E	SCHULTZ, ELMER	+179	6	41N	3W	GAGE, PHIL J.	376	33	41N	4W
ROBERTS, DICK	58	18	40W	5W	WOODBIE, WILLARD	163	32	41N	1E	DOBYNS, FRANK	376	7	41N	3W	COCHRANE, DELBE	376	35	41N	4W
SPAHGIL, PEOMA	58	18	40W	5W	AMOS, REX	179	16	41N	1W	LARSEN, PHIL	+115	7	41N	3W	GAGE, JOHN	190	35	41N	4W
TENNEY, WILLIAM	+103	18	40W	5W	OSTERBURG, G.	179	19	41N	1W	CARMACK, THOS	+ 13	9	41N	3W	WILLIAMS, TOM	58	35	41N	4W

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
GALILEO PENState law requires that this report be filed with the Director, Department of Water Resources,
within 30 days after the completion or abandonment of the well.RECEIVED
MAR 10 1987

1. WELL OWNER Name <u>City of Potlatch</u> Address <u>P.O. Box 525, Potlatch, ID 83855</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>254</u> Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Artesian closed in pressure <u>p.s.i.</u> Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug Temperature <u>60°</u> of <u>Water</u> Describe artesian or temperature event below _____																																																	
2. NATURE OF WORK <input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement <input type="checkbox"/> Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA <input type="checkbox"/> Pump <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Air <input type="checkbox"/> Other _____ Discharge G.P.M. <u>50</u> Pumping Level <u>Estimated air lift</u> Hours Pumped _____																																																	
3. PROPOSED USE <input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection <input type="checkbox"/> Other _____ (specify type)		9. LITHOLOGIC LOG <table border="1"><thead><tr><th>Bore</th><th>Depth</th><th>Material</th><th>Water</th></tr><tr><th>Class.</th><th>From</th><th>To</th><th>Yes/No</th></tr></thead><tbody><tr><td>14</td><td>0</td><td>15</td><td>Fill rock</td><td>X</td></tr><tr><td>14</td><td>15</td><td>60</td><td>Sand, silty, gravel</td><td>X</td></tr><tr><td>10</td><td>60</td><td>254</td><td>Sand + gravel in clay - 2000</td><td>X</td></tr><tr><td>10</td><td>254</td><td>320</td><td>Shale, soft, green</td><td>X</td></tr><tr><td>10</td><td>320</td><td>425</td><td>Shale, gray</td><td>X</td></tr><tr><td>8</td><td>405</td><td>510</td><td>Shale gravel, coarse sand conglomerate - 10 cfm</td><td>X</td></tr><tr><td>8</td><td>510</td><td>520</td><td>Mostly sand conglomerate - 10 cfm</td><td>X</td></tr><tr><td>8</td><td>520</td><td>605</td><td>Shale - soft brown - gray</td><td>X</td></tr></tbody></table> No PVC liner installed 1 ea. 8" drive shoe utilized 1 ea. 10" drive shoe utilized		Bore	Depth	Material	Water	Class.	From	To	Yes/No	14	0	15	Fill rock	X	14	15	60	Sand, silty, gravel	X	10	60	254	Sand + gravel in clay - 2000	X	10	254	320	Shale, soft, green	X	10	320	425	Shale, gray	X	8	405	510	Shale gravel, coarse sand conglomerate - 10 cfm	X	8	510	520	Mostly sand conglomerate - 10 cfm	X	8	520	605	Shale - soft brown - gray	X
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8	510	520	Mostly sand conglomerate - 10 cfm	X																																															
8	520	605	Shale - soft brown - gray	X																																															
4. METHOD DRILLED <input checked="" type="checkbox"/> Rotary <input checked="" type="checkbox"/> Air <input type="checkbox"/> Hydraulic <input type="checkbox"/> Reverse rotary <input type="checkbox"/> Cable <input type="checkbox"/> Dug <input type="checkbox"/> Other _____		RECEIVED APR 06 1987 Department of Water Resources																																																	
5. WELL CONSTRUCTION Casing schedule <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>3/8" inches</td><td>10" inches</td><td>0 feet</td><td>254 feet</td></tr><tr><td>2" inches</td><td>8" inches</td><td>2 feet</td><td>405 feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>60</u> Material used in seal: <input checked="" type="checkbox"/> Cement grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Pudding clay <input type="checkbox"/> _____ Sealing procedure used: <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temp. surface casing <input checked="" type="checkbox"/> Overbore to seal depth Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent Weld <input type="checkbox"/> Cemented between strata Describe access port _____				Thickness	Diameter	From	To	3/8" inches	10" inches	0 feet	254 feet	2" inches	8" inches	2 feet	405 feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet																
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6. LOCATION OF WELL Sketch map location <u>may</u> agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Latoka</u> Sec. <u>6</u> T. <u>42N</u> R. <u>3E</u> SW.		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Ponderosa Drilling</u> Firm No. <u>208</u> Address <u>E. 6010 Broadway</u> Date <u>3/19/87</u> <u>Spokane, WA 99213</u> Signed by (Firm Official) <u>[Signature]</u> and <u>[Signature]</u> (Operator) <u>[Signature]</u>																																																	

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

RECEIVED

Parent's Name _____

CASINO RECORD

PLAN. CARTONS	FROM FEET	TO FEET	LENGTH	"REMARKS" -- DEALS, GRADING, ETC.

SWSE 5.1 4/N SW

[illegible]

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

BY ~~CHARLES J. JAMES, VICE PRESIDENT~~

Dated 10 July 1961.

Glucose No. 147

REPORT OF WELL DRILLER State of Idaho

RECEIVED
OCT 26 1967

DEPARTMENT OF AGRICULTURE

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Walser Ranch Inc.
Address Nerb Walser
Pattanch Idaho
Owner's Permit No. _____
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Water is to be used for: Domestic Use
METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dig ☐ Other _____ (explain)
CASING SCHEDULE: Threaded _____ Welded ☒
8" Diam. from _____ ft. to 153 ft.
6" Diam. from 142 ft. to 362 ft.
4" Diam. from _____ ft. to _____ ft.
2" Diam. from _____ ft. to _____ ft.
Thickness of casing: 252 ft. Material:
Steel ☒ concrete ☐ wood ☐ other ☐

(explain)
PERFORATED? Yes ☒ No ☐ Type of
perforator used: atom

Size of perforations: _____" by _____"
perforations from _____ ft. to _____ ft.
perforations from 170 ft. to 190 ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

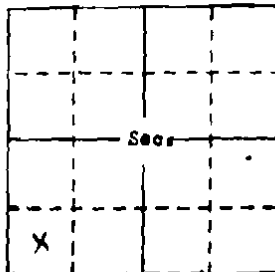
WAS SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel
placed from _____ ft. to _____ ft. Surface seal
provided? Yes ☒ No ☐ To what depth?
_____ ft. Material used in seal: _____

Did any strata contain unusable water? Yes ☐
No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing
strata off: _____

Surface casing used? Yes ☒ No ☐
Cemented in place? Yes ☐ No ☒

Locate well in section



LOCATION OF WELL: County Blaine
SW 1/4 Sec. 12 T. 41 N. R. 5 E. N

Size of drilled hole: 8 1/2" Total
depth of well: 370 Standing water
level below ground: 35 Temp.
Fahr. _____ ° Test delivery: 10 gpm
or _____ cfs Pump? ☐ Mail ☒
Size of pump and motor used to make test:

Length of time of test: _____ hrs. _____ min.
Drawdown: _____ ft. Artesian pressure: ft.
above land surface _____ Give flow _____ cfs
or _____ gpm. Shut-off pressure:
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☐

DEPTH	MATERIAL	WATER
FROM TO		YES OR NO
FEET FEET		
0 9	dirt	-
9 21	gray clay	-
21 23	clay	-
23 42	clay, fine sand	-
42 46	sand	-
46 72	clay and sand	-
72 78	clay and gravel	Some
78 120	broken clay and rock	-
120 130	Rock	-
130 153	clay, red and brown rock	-
153 170	gray rock and clay	-
170 182	granite rock	Some
182 253	gray clay	-
253 302	gray to black	-
302 332	clay and gravel	-
332 340	soft rock, clay and gravel	-
340 361	clay and gravel	-
361 370	rock	-

Work started: Aug 31, 1967
Work finished: Oct 10, 1967
Well Driller's Statement: This well was
drilled under my supervision and this report
is true to the best of my knowledge.
Name: A. E. Spray, well drilling
Address: Box 198, Moscow, Idaho
Signed by: A. E. Spray
License No. 13 Date: Oct 26, 1967

Use other side for additional remarks

USGS

W. L. DRILLER'S REPC.

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name CARL SCHULTZ
Address Rt 1 Box 33 - POTLATCH, ID 83855
Owner's Permit No. 87-91-N-14

7. WATER LEVEL

Static water level 70 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Baller ☒ Air ☐ Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

22 G.P.M. AIR TEST

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	1	Soil		
8	1	113	Clay - Brown		
8	113	116	Basalt - Dry - Unaltered		
8+6	116	181	Basalt - Dry - Med		
6	181	186	Basalt - Dry - Med		
6	186	190	Basalt - Dry - Med		

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness 250 inches Diameter 8 inches From 1 feet To 122 feet
Inches inches feet feet
Inches inches feet feet
Inches inches feet feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number From To
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 122 Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Pudding clay ☐ _____

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

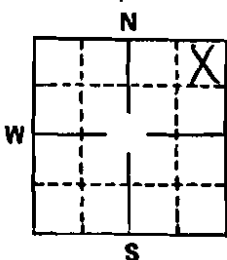
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

NE 1/4 NE 1/4 Sec. 6, T. 41 N, R. 4 E

10.

Work started 8-14-91 finished 8-15-91

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

MCPHERSON & WRIGHT DRILLING

Firm Name 2248 Burnell Firm No. 376

Lewiston, Idaho 83501

Address _____ Date 8-25-91

Signed by (Firm Official) Ray McPherson

and

(Operator) Joel Rubyke

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Larry Britt
 Address Box 228 Potlatch, ID 83855
 Owner's Permit No. 87-91-N-10

7. WATER LEVEL

Static water level 25' feet below land surface.
 Flowing? ☐ Yes ☒ No G.P.M. flow _____
 Artesian closed-in pressure _____ p.s.i.
 Controlled by: ☐ Valve ☐ Cap ☐ Plug
 Temperature _____ OF. Quality _____
 Describe artesian or temperature zones below.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailor ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
40 G.P.M.	172 FEET	

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water Yes N
	From	To		
8	0	1	Soil	
8	1	13	Clay	
8 1/2	13	150	Basalt - Dry - Med	
6	150	160	Basalt - Dry - Med	
6	160	165	Basalt - Dry - Med	

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
250 inches	8 inches	1 feet	20 feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Pudding clay ☐ _____

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

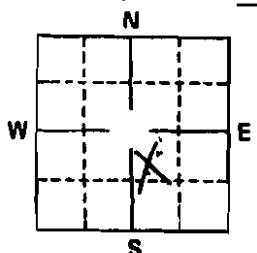
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

NW 1/4 SE 1/4 Sec. 3, T. 41 N. S. R. 5 E. W.

10.

Work started 8-12-91 finished 8-13-91

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name MCPHERSON & WRIGHT DRILLING Firm No. 326
2248 Burnett

Address Lewiston, Idaho 83501 Date 8-25-91

Signed by (Firm Official) Ray McPherson

and

(Operator) Paul Wright

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Owen Rode</u> Address <u>Rt. 1 Box 91-B Princeton, NJ 08557</u> Owner's Permit No. <u>87-90-N-9</u>	7. WATER LEVEL Static water level <u>8</u> feet below land surface. Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug Temperature _____ °F. Quality _____ <i>Describe artesian or temperature zones below.</i>																																								
2. NATURE OF WORK <input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement <input type="checkbox"/> Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA <input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Air <input type="checkbox"/> Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 33%;">Discharge G.P.M.</th> <th style="width: 33%;">Pumping Level</th> <th style="width: 33%;">Hours Pumped</th> </tr> <tr> <td colspan="3" style="text-align: center; height: 40px; vertical-align: middle;">25 G.P.M. A.I.R. TEST</td> </tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	25 G.P.M. A.I.R. TEST																																				
Discharge G.P.M.	Pumping Level	Hours Pumped																																							
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5. WELL CONSTRUCTION Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____ <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>2.50 inches</td> <td>8 inches</td> <td>1 feet</td> <td>20 feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> Was casing drive shoe used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch Size of perforation _____ inches by _____ inches <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>20'</u> Material used in seal: <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Pudding clay <input type="checkbox"/> _____ Sealing procedure used: <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temp. surface casing <input checked="" type="checkbox"/> Overbore to seal depth Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent Weld <input type="checkbox"/> Cemented between strata Describe access port _____		Thickness	Diameter	From	To	2.50 inches	8 inches	1 feet	20 feet													Number	From	To																	
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11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. <div style="text-align: center; border: 1px solid black; padding: 5px; margin: 10px auto; width: 200px;"> WRIGHT DRILLING 2248 Burt 10228 Wagon Wheel </div> Firm Name _____ Firm No. <u>37</u> Address _____ Date <u>5-31-90</u> Signed by (Firm Official) <u>Ray McPherson</u> and (Operator) <u>Zeel & Doughty</u>																																									

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Roy SCOTTS

Address Rt. 1 Box 92 Princeton, ID

Owner's Permit No. 87-90-N-4

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal

☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary

☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☒ Other PLASTIC

Thickness

Diameter

From

To

2 1/2 inches 8 inches + 1 feet 20 feet

~~3~~ inches ~~8~~ inches _____ feet _____ feet

_____ inches _____ inches _____ feet _____ feet

_____ inches _____ inches _____ feet _____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number

From

To

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 20' Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Pudding clay ☐ _____

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W

E

S

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name ROY SCOLLES
Address RR-1 Box 92 Princeton, ID
Owner's Permit No. 87-90-N-3

7. WATER LEVEL

Static water level 69' feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as
materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☒ Other PLASTIC
Thickness _____ Diameter _____ From _____ To _____
2 1/2 inches 8 inches + 1 feet 40 feet
2 1/2 inches 6 inches 36 feet 120 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife BT-SAC
Size of perforation 1/16 inches by 12 inches
Number _____ From _____ To _____
60 perforations 115 feet 155 feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 40' Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
Weld
☐ Cemented between strata
Describe access port _____

8. WELL TEST DATA

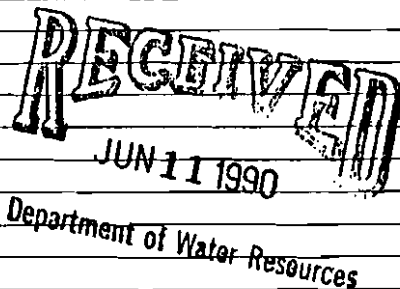
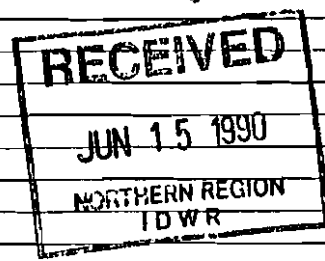
- ☐ Pump ☐ Baller ☒ Air ☐ Other _____

Discharge G.P.M. _____ Pumping Level _____ Hours Pumped _____

10 G.P.M. Air Test

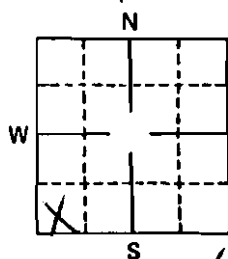
9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	31	Clay - Tan		<input checked="" type="checkbox"/>
	31	54	Basalt - Grey - Thin		<input checked="" type="checkbox"/>
	54	86	Basalt & clay of soft		<input checked="" type="checkbox"/>
	86	145	Basalt - Grey - Thin	<input checked="" type="checkbox"/>	
	145	156	Basalt & clay of soft		<input checked="" type="checkbox"/>



6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

S1W 1/4 S1W 1/4 Sec. 15, T. 41 N., R. 4 EW.

10.

Work started 4-19-90 finished 4-19-90

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

McPHERSON & WRIGHT DRILLING Firm No. 376

2248 Burro

Address Lewiston, Idaho 83501 Date 5-5-90

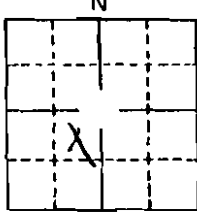
Signed by (Firm Official) Ray McPherson

and

(Operator) Yael Wright

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>FRED ROSE</u> Address <u>Rt. 2 Box 83 Pocatello, ID</u> Owner's Permit No. <u>87-89-N-20</u>	7. WATER LEVEL Static water level <u>6</u> feet below land surface. Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug Temperature _____ °F. Quality _____ <small>Describe artesian or temperature zones below</small>																																								
2. NATURE OF WORK <input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement <input type="checkbox"/> Well diameter increase <input type="checkbox"/> Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)	8. WELL TEST DATA <input type="checkbox"/> Pump <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Air <input type="checkbox"/> Other _____ <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td colspan="3" style="text-align: center;"><u>7 G.P.M. A.C. Test</u></td></tr></tbody></table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>7 G.P.M. A.C. Test</u>																																				
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"	84	85	QUARTZ - WHITE																																						
"	85	89	ARGILLITE - GREY																																						
4. METHOD DRILLED <input checked="" type="checkbox"/> Rotary <input checked="" type="checkbox"/> Air <input type="checkbox"/> Hydraulic <input type="checkbox"/> Reverse rotary <input type="checkbox"/> Cable <input type="checkbox"/> Dug <input type="checkbox"/> Other _____	<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;">RECEIVED JAN 24 1991 NORTHERN REGION IDWR</div>																																								
5. WELL CONSTRUCTION Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____ <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>250</u> inches</td><td><u>8</u> inches</td><td><u>1</u> feet</td><td><u>20</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch <input type="checkbox"/> Gun Size of perforation _____ inches by _____ inches <table border="1" style="width:100%; border-collapse: collapse;"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth <u>20</u> Material used in seal: <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Puddling clay <input type="checkbox"/> _____ Sealing procedure used: <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temp. surface casing <input checked="" type="checkbox"/> Overbore to seal depth Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent Weld <input type="checkbox"/> Cemented between strata Describe access port _____		Thickness	Diameter	From	To	<u>250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>20</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet								
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6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <div style="display: flex; align-items: center;"><div style="text-align: center;"></div><div style="margin-left: 20px;">Subdivision Name _____ Lot No. _____ Block No. _____</div></div> County <u>LATAH</u> <u>NE 1/4 SW 1/4 Sec. 18 T. 41 N. 4 E. 4</u>	10. Work started <u>11-2-89</u> finished <u>11-2-89</u>																																								
11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. MCPHERSON & WRIGHT DRILLING Firm No. <u>374</u> 2248 Burra'il Address <u>Lewiston, Idaho 83501</u> Date <u>1-19-91</u> Signed by (Firm Official) <u>Doug McPherson</u> and (Operator) <u>Zeck Wright</u>																																									

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name MARVIN BAIN
Address Rt 2 Box 19 POTLATCH, ID
Owner's Permit No. 87-89-N-18

7. WATER LEVEL

Static water level 62 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ OF. Quality _____
Describe artesian or temperature zones below

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M. _____

Pumping Level _____

Hours Pumped _____

15 G.P.M. ARTESIAN

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>3/8</u> inches	<u>8</u> inches	<u>1</u> feet	<u>24</u> feet
<u>1/2</u> inches	<u>6</u> inches	<u>10</u> feet	<u>100</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☒ Yes ☐ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch ☒ SAND Gun

Size of perforation 1/4 inches by 12 inches

Number	From	To
<u>30</u> perforations	<u>80</u> feet	<u>100</u> feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 24 Material used in seal: ☐ Cement grout

☒ Bentonite ☐ Puddling clay ☐ _____

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

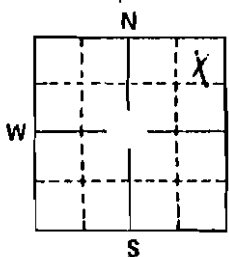
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

NE 1/4 NE 1/4 Sec. 2 T. 41 S. R. 5 E. ☐ W. ☒

10.

Work started 11-1-89 finished 11-1-89

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

McPHERSON & WRIGHT DRILLING Firm No. 376
Firm Name 2248 Burrell

Address Lewiston, Idaho 83501 Date 1-19-91

Signed by (Firm Official) Ray McPherson

and

(Operator) Joe Wright

WELL DRILLER'S REPORT.

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Ed Smith
Address Viola
Owner's Permit No. 87-89-N-15

7. WATER LEVEL

Static water level 150 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Baller ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>approx 4</u>		

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>12</u>	<u>0</u>	<u>15</u>	<u>overburden</u>		<input checked="" type="checkbox"/>
<u>12</u>	<u>15</u>	<u>34</u>	<u>metamorphics, soft</u>		<input checked="" type="checkbox"/>
<u>12</u>	<u>34</u>	<u>40</u>	<u>" firm</u>		<input checked="" type="checkbox"/>
<u>8</u>	<u>40</u>	<u>224</u>	<u>" firm</u>		<input checked="" type="checkbox"/>
<u>8</u>	<u>224</u>	<u>236</u>	<u>" soft & fract.</u>		<input checked="" type="checkbox"/>
<u>8</u>	<u>236</u>	<u>248</u>	<u>" firm</u>		<input checked="" type="checkbox"/>
<u>8</u>	<u>248</u>	<u>267</u>	<u>soft 400pm</u>	<input checked="" type="checkbox"/>	
<u>8</u>	<u>267</u>	<u>296</u>	<u>firm</u>		<input checked="" type="checkbox"/>
<u>8</u>	<u>296</u>	<u>302</u>	<u>soft & fract</u>		<input checked="" type="checkbox"/>
<u>8</u>	<u>302</u>	<u>326</u>	<u>firm</u>		<input checked="" type="checkbox"/>

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>.250</u> inches	<u>8"</u>	<u>1</u> feet	<u>40</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

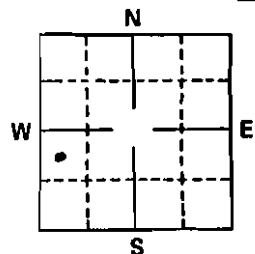
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☐ No
Perforated? ☐ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches
Number _____ From _____ To _____
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 40 Material used in seal: ☐ Cement grout
☒ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☒ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
Weld
☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Latah

NW 1/4 SW 1/4 Sec. 23, T. 41 N. R. 5 E.W.

10.

Work started 9/25/89 finished 9/27/89

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
compiled with at the time the rig was removed.

Firm Name Witt Well Drilling Firm No. _____

Address 219 Powers Lane Date 11/21/89

Signed by (Firm Official) Earl L. Witt

and

(Operator) Rogers Witt

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name JAMES LARSON
Address Box 84A, Pocatello, ID
Owner's Permit No. 87-89-N-12

7. WATER LEVEL

Static water level 8 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

5 GPM AIRTEST

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>1.250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>40</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 40 Material used in seal: ☐ Cement grout☒ Bentonite ☐ Pudding clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

Describe access port _____

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	32	CLAY - BROWN		<input checked="" type="checkbox"/>
8 1/4	32	148	ARGILLITE - GRAY - MED		<input checked="" type="checkbox"/>
6	148	161	" - GRAY - FINE		<input checked="" type="checkbox"/>
7	161	305	" - MED		<input checked="" type="checkbox"/>

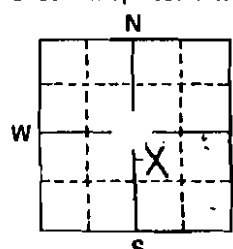
RECEIVED

JAN 24 1991

NORTHERN REGION
IDWR

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAHNW 1/4 SE 1/4 Sec. 18, T. 41 N ☒ S ☐ R. 4 E ☐ W ☐

10.

Work started 9-5-89 finished 9-6-89

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.**MCPHERSON & WRIGHT DRILLING**Firm Name 2248 Burrell Firm No. 376Lewiston, Idaho 83501Address _____ Date 1-19-91Signed by (Firm Official) Ray McPherson

and

(Operator) Paul Wright

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name ROGER HEWETT
Address U.I. Box 221 POTLATCH, ID
Owner's Permit No. 87-89-N-11

7. WATER LEVEL

Static water level 261 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Well diameter increase
☐ Abandoned (describe abandonment procedures such as
materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M. _____

Pumping Level _____

Hours Pumped _____

1 1/2 GPM AIR TEST

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____
Thickness 5/8" Diameter 6" From 1 feet To 97 feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feetWas casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun
Size of perforation _____ inches by _____ inchesNumber _____ From _____ To _____
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feetWell screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

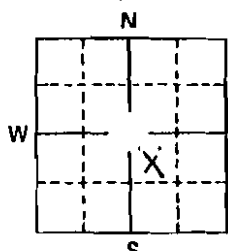
Surface seal depth 97 Material used in seal: ☐ Cement grout☒ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld _____

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____

Lot No. _____ Block No. _____

County LATAHNW 1/4 SE 1/4 Sec. 35, T. 42 S. R. 5 W. 14

10.

Work started 8-29-89 finished 9-1-89

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were

McPHERSON & WRIGHT DRILLING2246 BurrellFirm No. Lewiston, Idaho 83501 Firm No. 376Address _____ Date 1-19-91Signed by (Firm Official) Ray McPherson

and

(Operator) Red Wright

WELL DRILLER'S REPORT.

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Steve Wolchete
Address Pollatch
Owner's Permit No. 87-89-10-5

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☒ Other Plastic
Thickness 250 inches Diameter 8 inches + 1 feet 24 feet
250 inches 6 inches 14 feet 270 feet
____ inches _____ inches _____ feet _____ feet
____ inches _____ inches _____ feet _____ feet
Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☒ Yes ☐ No
How perforated? ☐ Factory ☐ Knife ☒ Torch
Size of perforation 4 1/2 inches by 12 inches
90 Number 240 From 270 To _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal depth 24 Material used in seal: ☒ Cement grout
☐ Bentonite ☐ Puddling clay ☐ _____
Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing
☐ Overbore to seal depth
Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
Weld
☐ Cemented between strata
Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____
Lot No. _____ Block No. _____
County Latah
SE 1/4 SE 1/4 Sec. 35, T. 42 N., R. 5 W.

7. WATER LEVEL

Static water level 112 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ OF. Quality _____
Describe artesian or temperature zones below.

8. WELL TEST DATA

- ☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M. _____ Pumping Level _____ Hours Pumped _____

20 G.P.M. AIR TEST

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	40	Basalt - B.P. - mud		
	40	55	Basalt - Clay		
	55	71	Basalt - Mud - mud		
	71	226	Clay - Red		
	226	270	Basalt - Grey - free		

AUG 16 1989

10.

Work started 7-17-89 finished 7-19-89

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

MCPHERSON & WRIGHT DRILLING Firm No. 376
2248 Burrell
Address Lewiston, Idaho 83501 Date 8-13-89
Signed by (Firm Official) Ray McPherson
and
(Operator) Geel Reighly

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

NOV 16 1988

1. WELL OWNER

Name Frank Clovins

Address Pl. 2 Box 76 Pottawatomie

Owner's Permit No. 87-88-71-21

2. NATURE OF WORK

☒ New well

☐ Deepened

☐ Replacement

☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE

☒ Domestic

☐ Irrigation

☐ Test

☐ Municipal

☐ Industrial

☐ Stock

☐ Waste Disposal or Injection

☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary

☒ Air

☐ Hydraulic

☐ Reverse rotary

☐ Cable

☐ Dug

☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☒ Other Plastic

Thickness

Diameter

From

To

1250 inches

8 inches

41 feet

20 feet

250 inches

6 inches

105 feet

105 feet

_____ inches

_____ inches

_____ feet

_____ feet

_____ inches

_____ inches

_____ feet

_____ feet

Was casing drive shoe used?

☐ Yes ☒ No

Was a packer or seal used?

☐ Yes ☒ No

Perforated?

☒ Yes ☐ No

How perforated?

☐ Factory ☐ Knife ☒ Saw

Size of perforation

416 inches by 12 inches

Number

From

To

50 perforations

80 feet

105 feet

_____ perforations

_____ feet

_____ feet

_____ perforations

_____ feet

_____ feet

Well screen installed?

☐ Yes ☒ No

Manufacturer's name

Type

Model No.

Diameter

Slot size

Set from

_____ feet to _____ feet

Diameter

Slot size

Set from

_____ feet to _____ feet

Gravel packed?

☐ Yes ☒ No

Size of gravel _____

Placed from

_____ feet to _____ feet

Surface seal depth

20'

Material used in seal: ☒ Cement grout

☐ Bentonite

☐ Puddling clay

☐ _____

Sealing procedure used:

☐ Slurry pit

☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing:

☐ Threaded

☒ Welded

☐ Solvent Weld

☐ Cemented between strata

Describe access port

7. WATER LEVEL

Static water level 10 feet below land surface.

Flowing? ☐ Yes ☒ No

G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ OF. Quality _____

Describe artesian or temperature zones below.

8. WELL TEST DATA

☐ Pump

☐ Bailer

☐ Air

☐ Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

25 G.P.M. Artesian

9. LITHOLOGIC LOG

Bore Diam.

Depth

Material

Water

From

To

Yes

No

8

0

2

Soil - Tan Wk. Brown

✓

2

2

6

Clay - Tan

✓

6

65

65

Basalt - Grey - Med

✓

65

84

84

Basalt + Clay - Brown - Sgs

✓

84

91

91

Basalt - Grey - Med

✓

91

101

101

Basalt - Grey - fractured

✓

101

105

105

Basalt - Grey - Hard

✓

10.

Work started 9-7-88 finished 9-8-88

6. LOCATION OF WELL

Sketch map location must agree with written location.

N

W

E

S

Subdivision Name

Lot No.

Block No.

County

Letch

S/E 1/4 N/E 1/4 Sec. 7 T. 41 N. R. 4 W.

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

McPHERSON & WRIGHT DRILLING

Firm Name 2245 Burton Firm No. 376

Lowell, Idaho 83801

Address _____ Date 9-15-88

Signed by (Firm Official) Ray McPherson

and

(Operator) Yed. Rubright

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTState law requires that this report be filed with the Director, Department of Water Resources JUL 18 1988
within 30 days after the completion or abandonment of the well.RECEIVED
JUL 18 1988
Department of Water Resources

1. WELL OWNER

Name Roger Huett
Address Potlatch
Owner's Permit No. 87-88-N-13

7. WATER LEVEL

Static water level 133 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____
Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☒
- New well
- ☐
- Deepened
- ☐
- Replacement
-
- ☐
- Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

- ☐
- Pump
- ☐
- Bailer
- ☒
- Air
- ☐
- Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

5 G.P.M. Airtest

3. PROPOSED USE

- ☒
- Domestic
- ☐
- Irrigation
- ☐
- Test
- ☐
- Municipal
-
- ☐
- Industrial
- ☐
- Stock
- ☐
- Waste Disposal or Injection
-
- ☐
- Other _____ (specify type)

4. METHOD DRILLED

- ☒
- Rotary
- ☒
- Air
- ☐
- Hydraulic
- ☐
- Reverse rotary
-
- ☐
- Cable
- ☐
- Dug
- ☐
- Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>1.250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>89</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

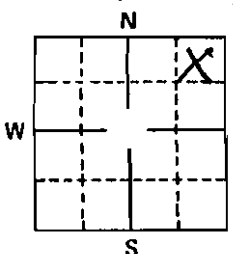
Surface seal depth 89 Material used in seal: ☒ Cement grout☐ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____

Lot No. _____ Block No. _____

County _____

NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35 T. 42 (N, R. 5 (W)

10.

Work started 6-6-88 finished 6-7-88

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

McPherson & WrightFirm Name Drilling Firm No. 376Address 2246 Burwell Date 6-10-88Signed by (Firm Official) Ray McPherson

and

(Operator) Ted Wright

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.RECEIVED
JUL 18 1988
JUL 18 1988

1. WELL OWNER

Name John Milcayson
Address Princeton
Owner's Permit No. 87-88-71-8

7. WATER LEVEL

Static water level 124 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ OF. Quality _____
Describe artesian or temperature zones below.

Department of Water Resources.

2. NATURE OF WORK

- ☒
- New well
- ☐
- Deepened
- ☐
- Replacement
-
- ☐
- Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M. Pumping Level Hours Pumped

12 G.P.M. Airtest

3. PROPOSED USE

- ☒
- Domestic
- ☐
- Irrigation
- ☐
- Test
- ☐
- Municipal
-
- ☐
- Industrial
- ☐
- Stock
- ☐
- Waste Disposal or Injection
-
- ☐
- Other _____ (specify type)

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	2	Soil - Brown		<input checked="" type="checkbox"/>
	2	13	Clay - Tan		<input checked="" type="checkbox"/>
8 1/2	13	60	Basalt - Grey - med. soft		<input checked="" type="checkbox"/>
	60	137	Basalt - Grey - med.		<input checked="" type="checkbox"/>
	137	143	Basalt - Grey - soft		<input checked="" type="checkbox"/>
	143	151	Clay - Brown		<input checked="" type="checkbox"/>
	151	174	Basalt - Grey - med.		<input checked="" type="checkbox"/>
	174	183	Basalt & clay		<input checked="" type="checkbox"/>
	183	227	Basalt - Grey - med.		<input checked="" type="checkbox"/>
	227	230	Basalt - Red - porous		<input checked="" type="checkbox"/>
	230	235	Basalt - Grey - med.		<input checked="" type="checkbox"/>

4. METHOD DRILLED

- ☒
- Rotary
- ☒
- Air
- ☐
- Hydraulic
- ☐
- Reverse rotary
-
- ☐
- Cable
- ☐
- Dug
- ☐
- Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>.250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>20</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 20' Material used in seal: ☒ Cement grout☐ Bentonite ☐ Puddling clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

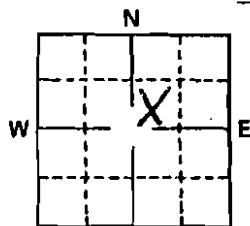
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAHSW 1/4 NE 1/4 Sec. 14, T. 41 N., R. 04 W.

10.

Work started 5-23-88 finished 5-24-88

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

McPherson & WrightFirm Name DRILLING Firm No. 3762246 BURBELLAddress LEWISTON, IDA Date 6-10-88Signed by (Firm Official) Ray McPherson

and

(Operator) Ted Wright

FFB - 1 1988

Department of Water Resources

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

AUG 26 1987

<p>1. WELL OWNER</p> <p>Name <u>Eddie Vowels</u></p> <p>Address <u>Princeton</u></p> <p>Owner's Permit No. <u>87-87-N-1</u></p>	<p>7. WATER LEVEL</p> <p>Static water level <u>10</u> feet below land surface.</p> <p>Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____</p> <p>Artesian closed-in pressure _____ p.s.i.</p> <p>Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug</p> <p>Temperature _____ OF. Quality _____</p> <p><small>Describe artesian or temperature zones below.</small></p>																																														
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement</p> <p><input type="checkbox"/> Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)</p>	<p>8. WELL TEST DATA</p> <p><input type="checkbox"/> Pump <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Air <input type="checkbox"/> Other _____</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> <tr> <td colspan="3" style="text-align: center;"><u>12 G.P.M. Air test</u></td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	<u>12 G.P.M. Air test</u>																																										
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<p>5. WELL CONSTRUCTION</p> <p>Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Other <u>Plastic</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>250</u> inches</td> <td><u>8</u> inches</td> <td><u>1</u> feet</td> <td><u>49</u> feet</td> </tr> <tr> <td><u>250</u> inches</td> <td><u>6</u> inches</td> <td><u>52</u> feet</td> <td><u>96</u> feet</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p>Was casing drive shoe used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Perforated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input checked="" type="checkbox"/> Torch</p> <p>Size of perforation <u>1/8</u> inches by <u>1/8</u> inches</p> <p>Number <u>1440</u> perforations <u>56</u> feet <u>90</u> feet</p> <p>Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Manufacturer's name _____</p> <p>Type _____ Model No. _____</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____</p> <p>Placed from _____ feet to _____ feet</p> <p>Surface seal depth <u>20'</u> Material used in seal: <input type="checkbox"/> Cement grout</p> <p><input checked="" type="checkbox"/> Bentonite <input type="checkbox"/> Pudding clay <input type="checkbox"/> _____</p> <p>Sealing procedure used: <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temp. surface casing</p> <p><input checked="" type="checkbox"/> Overbore to seal depth</p> <p>Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent Weld</p> <p><input type="checkbox"/> Cemented between strata</p> <p>Describe access port _____</p>		Thickness	Diameter	From	To	<u>250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>49</u> feet	<u>250</u> inches	<u>6</u> inches	<u>52</u> feet	<u>96</u> feet																																		
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<p>11. DRILLERS CERTIFICATION</p> <p>I/We certify that all minimum well construction standards were complied with at the time the rig was removed.</p> <p><u>McPherson & Wright</u></p> <p>Firm Name <u>Drilling</u> Firm No. <u>376</u></p> <p><u>2246 Burwell</u></p> <p>Address <u>Lewistown, Idaho</u> Date <u>8-22-87</u></p> <p>Signed by (Firm Official) <u>Ray McPherson</u></p> <p>and</p> <p>(Operator) <u>Del Wright</u></p>																																															

USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

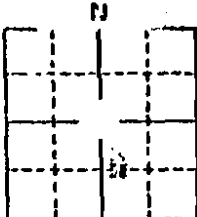
State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

RECEIVED

WELL OWNER Name <u>City of Potlatch</u> Address <u>P.O. Box 525, Potlatch, ID 83855</u> Owner's Permit No. _____	7. WATER LEVEL Static water level <u>95</u> feet below land surface Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____ Artesian closed in pressure _____ p.s.i. Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug Temperature _____ °F. Quality <u>Good</u> <small>Describe artesian or temperature zones below</small>																																																																
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WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

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USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Bob StewartAddress Princeton

Owner's Permit No. _____

7. WATER LEVEL

Static water level 25 feet below land surface.Flowing? ☐ Yes ☒ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ °F. Quality _____

Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☐ New well ☐ Deepened ☒ Replacement
☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Bailor ☒ Air ☐ Other _____

Discharge G.P.M.

Pumping Level

Hours Pumped

9.34

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>250</u> inches	<u>8</u> inches +	<u>1</u> feet	<u>57</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

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Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 57 Material used in seal: ☐ Cement grout☒ Bentonite ☐ Pudding clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☒ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

Describe access port _____

9. LITHOLOGIC LOG

Bore Diam.	Depth		Material	Water	
	From	To		Yes	No
10	0	37	overburden		
10	37	40	gravel		
10	40	50	broken rock		
10	50	57	metamorphics, soft		
8	57	231	metamorphics, soft		
8	231	234	clay		
8	234	249	metamorphics, soft		
8	249	254	, firm		

RECEIVED

MAR 16 1987

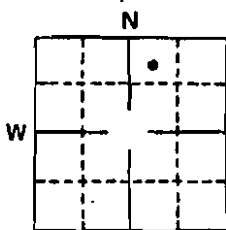
Department of Water Resources
Northern District Office

10.

Work started 6/18/85 finished 7/2/85

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LatahNW 1/4 NE 1/4 Sec. 16, T. 41 N, R. 4 E, W.

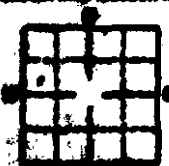
11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.Firm Name Witt Well Drilling Firm No. 58Address Lewiston Date 6/18/86Signed by (Firm Official) Earl R. Witt

and

(Operator) Roger Witt

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTSEE INSTRUCTIONS
ON REVERSE SIDEState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Smith</u> Address <u>1234</u> Owner's Permit No. _____		7. WATER LEVEL Static water level <u>10</u> feet below land surface. Pumping? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug Temperature _____ °F. Quality _____	
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3. PROPOSED USE <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection <input type="checkbox"/> Other _____ (specify type) _____		9. LITHOLOGIC LOG Hole Depth From To Material <u>10</u> <u>0</u> <u>18</u> <u>clay - sandy</u> <u>10</u> <u>15</u> <u>18</u> <u>clay</u> <u>2</u> <u>18</u> <u>62</u> <u>clay</u> <u>8</u> <u>62</u> <u>82</u> <u>water - yellow</u>	
4. METHOD DRILLED <input checked="" type="checkbox"/> Rotary <input checked="" type="checkbox"/> Air <input type="checkbox"/> Hydraulic <input type="checkbox"/> Reverse rotary <input type="checkbox"/> Cable <input type="checkbox"/> Dig <input type="checkbox"/> Other _____		<div style="text-align: center;">RECEIVED APR 15 1988 Department of Water Resources SALT LAKE CITY</div> <div style="text-align: center;">RECEIVED APR 19 1988 Department of Water Resources</div>	
5. WELL CONSTRUCTION Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____ Thickness Diameter From To <u>1/2</u> inches <u>8</u> inches + <u>1</u> foot <u>19</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was casing drive shoe used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Was a patcher or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch Size of perforation _____ inches by _____ inches _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name _____ Model No. _____ Type _____ Size dia _____ Set from _____ feet to _____ feet Diameter _____ Size dia _____ Set from _____ feet to _____ feet Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____ Gravel size _____ feet to _____ feet Surface seal depth <u>18</u> Material used in seal: <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Fudding clay <input type="checkbox"/> Well cuttings Sealing procedure used: <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temp. surface casing <input type="checkbox"/> Dredge to seal depth Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent Weld <input type="checkbox"/> Cemented between slots Describe other part _____			
6. LOCATION OF WELL Sketch map location must agree with well location.  Subdivision Name _____ Lot No. _____ Block No. _____ City _____		10. Work serial <u>3429/84</u> Sheeted <u>440072</u>	
11. DRILLERS CERTIFICATION I/We certify that all minimum well construction requirements complied with at the time the rig was removed. Firm Name <u>Smith & Son</u> Address <u>1234</u> Signed by (Firm Official) <u>John Smith</u> and <u>John Smith</u>			

1. WELL OWNER
 Name Andy Baker
 Address Lincoln
 Owner's Phone No. _____

7. WATER LEVEL
 Static water level 10 feet below land surface.
 Flowing? ☐ Yes ☒ No G.P.M. flow _____
 Artesian closed in pressure _____ p.s.i.
 Controlled by: ☐ Valve ☐ Cap ☐ Plug
 Temperature _____ °F. Quality _____
 (Specify action or treatment when flowing)

2. NATURE OF WORK
☒ New well ☐ Deepened ☐ Replacement
☐ Abandon (describe abandonment procedure such as materials, plug depths, etc. in lithologic log)

3. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED
☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dig ☐ Other _____


5. WELL CONSTRUCTION
 Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Wellness	Diameter	From	To
<u>10</u> inches	<u>8</u> inches	<u>1</u> foot	<u>10</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

 Was casing drive shoe used? ☒ Yes ☐ No
 Was a packer or seal used? ☐ Yes ☒ No
 Perforated? ☐ Yes ☒ No
 How perforated? ☐ Factory ☐ Knife ☐ Torch
 Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

 Well screen installed? ☐ Yes ☒ No
 Manufacturer's name _____
 Type _____ Model No. _____
 Diameter _____ Slot size _____ Set from _____ feet to _____ feet
 Diameter _____ Slot size _____ Set from _____ feet to _____ feet
 Gravel packed? ☐ Yes ☒ No Size of gravel _____
 Paced from _____ feet to _____ feet
 Surface seal depth 12 Material used in seal: ☐ Cement grout ☐ Bentonite
☐ Pudding clay ☐ _____
 Sealing procedure used: ☐ Shurry pit ☐ Temp. surface casing
☐ Overbore to seal depth
 Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent
☐ Weld
☐ Cemented between strata
 Describe screen part _____

6. LOCATION OF WELL
 Check map location ☒ agree with written location.

 Subdivision Name _____
 Lot No. _____ Block No. _____
 Township _____ Range _____ Section _____
 State _____

9. LITHOLOGIC LOG

Bore	Depth	Remarks
<u>10</u>	<u>0</u>	<u>surface, clay</u>
<u>1</u>	<u>10</u>	<u>clay</u>
<u>1</u>	<u>10</u>	<u>with gravel</u>

10. DRILLER'S CERTIFICATION
 I/We certify that all minimum well construction standards were complied with at the time the rig was removed.
 Firm Name Carl H. Baker License No. 30
 Address 419 Baker Street
 Signed by (Firm Official) Carl H. Baker
 and (Operator) Baker

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name: Randy PalmerAddress: Linneton

Owner's Permit No. _____

7. WATER LEVEL

Static water level 10 feet below land surface.Flowing? ☐ Yes ☐ No G.P.M. flow _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

Temperature _____ OF Quality _____

Describe artesian or temperature zones below.

2. NATURE OF WORK

- ☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned: describe abandonment procedures such as materials, plug depths, etc. in lithologic log)

8. WELL TEST DATA

☐ Pump ☐ Baller ☒ Air ☐ OtherDischarge G.P.M. 15

Pumping Level _____

Hours Pumped _____

3. PROPOSED USE

- ☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

- ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other

Thickness	Diameter	From	To
<u>150</u> inches	<u>8</u> inches	<u>1</u> feet	<u>18</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ NoWas a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 19 Material used in seal: ☐ Cement grout☐ Bentonite ☒ Pudding clay ☐ _____Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing☐ Overbore to seal depthMethod of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weid _____

☐ Cemented between strata

Describe access port _____

10.

Work started 3/27/84 finished 4/12/84

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.Firm Name Carl R. Witt Drilling Firm No. 56Address 219 Powers Lane, Linneton Date 1/22/85Signed by (Firm Official) Carl R. Witt

and

(Operator) Roger Witt

LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

Section 15 T. 41 N. R. 4 E. W.

ATTENTION: USE ADDITIONAL SHEETS IF NECESSARY — FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

N

1. WELL OWNER

Name Floyd Hubner
Address Potlatch
Owner's Permit No. _____

7. WATER LEVEL

Static water level 25 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow 30
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water Yes/No
	From	To		
10	0	64	overburden	
10	64	67	broken, light	
10	67	71	gray sand	
8	71	92	gray sand	
8	92	107	black sand	
8	107	109	conglomerate	
8	109	111	clay	

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>1/2</u> inches	<u>8</u> inches	<u>1</u> feet	<u>71</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 71 Material used in seal: ☐ Cement grout

☒ Puddling clay ☒ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

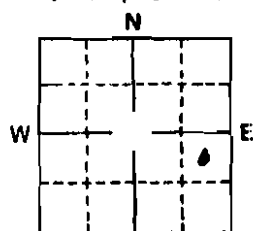
Describe access port _____

10.

Work started 5/16/83 finished 5/17/83

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

NE 1/4 SE 1/4 Sec. 35, T. 42 N., R. 5 W.

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

Firm Name Earl R. White Drilling Co. 58

Address 219 River Street 11/14/83

Signed by (Firm Official) Earl R. White

and

(Operator) Roger White

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 90 days after the completion or abandonment of the well.

USE TYPEWRITER OR
BALL POINT PEN

FEB 8 1983

<p>1. WELL OWNER</p> <p>Name <u>Raymond Litchard</u> <u>Box 1, Box 31A</u> <u>Princeton, ID 83857</u></p> <p>Owner's Permit No. _____</p>	<p>7. WATER LEVEL</p> <p>Static water level <u>1</u> feet below land surface Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug Temperature _____ °F. Quality _____</p>																																															
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement <input type="checkbox"/> Abandoned (describe method of abandoning) _____</p>	<p>8. WELL TEST DATA</p> <p><input type="checkbox"/> Pump <input type="checkbox"/> Sailer <input checked="" type="checkbox"/> Air <input type="checkbox"/> Other _____</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Pumping Level</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr> <td>15 GPM</td> <td>ESTIMATED AIRLIFT</td> <td></td> </tr> </tbody> </table>	Discharge G.P.M.	Pumping Level	Hours Pumped	15 GPM	ESTIMATED AIRLIFT																																										
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WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name John Daiggs
Address Princeton
Owner's Permit No. _____

7. WATER LEVEL

Static water level 10 feet below land surface.
Flowing? ☐ Yes ☐ No G.P.M. flow 60
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Air ☐ Other _____

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

4. METHOD DRILLED

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>250</u> inches	<u>8</u> inches	<u>1</u> feet	<u>59</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 59 Material used in seal: ☐ Cement grout

☒ Pudding clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

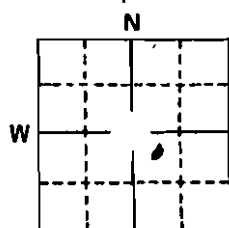
Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 16, T. 41 N., R. 4 W.

10.

Work started 9/20/82 finished 9/22/82

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

Firm Name Earl R. White Drilling Firm No. 58

Address 201 River Lewis Date _____

Signed by (Firm Official) Earl R. White

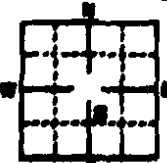
and

(Operator) Roger White

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources, within 30 days after the completion or abandonment of the well.

RECEIVED
APR 25 1963

<p>1. WELL OWNER</p> <p>Name <u>City of Pocatello</u></p> <p>Address <u>P.O. Box 525, Pocatello, ID 83205</u></p> <p>Owner's Permit No. _____</p>	<p>7. WATER LEVEL</p> <p>Static water level <u>Surface of water</u></p> <p>Flooding? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Artesian discharge pressure <u>N/A</u></p> <p>Controlled by: <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug</p> <p>Temperature <u>49</u> °F. Quality <u>Good</u></p>																																																							
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement</p> <p><input type="checkbox"/> Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)</p>	<p>8. WELL TEST DATA</p> <p><input type="checkbox"/> Pump <input type="checkbox"/> Soller <input checked="" type="checkbox"/> Air <input type="checkbox"/> Other _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Discharge G.P.M.</th> <th>Pressure (psi)</th> <th>Static head</th> </tr> <tr> <td><u>30</u></td> <td><u>Not tested</u></td> <td><u>240</u></td> </tr> </table>	Discharge G.P.M.	Pressure (psi)	Static head	<u>30</u>	<u>Not tested</u>	<u>240</u>																																																	
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<p>3. PROPOSED USE</p> <p><input type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Municipal</p> <p><input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection</p> <p><input type="checkbox"/> Other _____ (specify type)</p>	<p>9. LITHOLOGIC LOG</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Depth (ft.)</th> <th>From</th> <th>To</th> <th>Material</th> <th>Notes</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>0</td> <td>25</td> <td>fill - sand</td> <td></td> </tr> <tr> <td>14</td> <td>25</td> <td>30</td> <td>fill - sand</td> <td></td> </tr> <tr> <td>14</td> <td>30</td> <td>254</td> <td>shale + gravel in clay - 254 ft</td> <td></td> </tr> <tr> <td>14</td> <td>254</td> <td>320</td> <td>shale - soft - green</td> <td></td> </tr> <tr> <td>14</td> <td>320</td> <td>400</td> <td>shale - gray</td> <td></td> </tr> <tr> <td>14</td> <td>400</td> <td>510</td> <td>shale - green, coarse sand</td> <td></td> </tr> <tr> <td>14</td> <td>510</td> <td>520</td> <td>conglomerate - 20 ft</td> <td></td> </tr> <tr> <td>14</td> <td>520</td> <td>530</td> <td>shale + sand conglomerate - 10 ft</td> <td></td> </tr> <tr> <td>14</td> <td>530</td> <td>550</td> <td>shale - soft</td> <td></td> </tr> <tr> <td>14</td> <td>550</td> <td>600</td> <td>shale - gray</td> <td></td> </tr> </tbody> </table> <p>No PVC liner installed</p> <p>1 ea. 2" drive shoe utilized</p> <p>1 ea. 10" drive shoe utilized</p>	Depth (ft.)	From	To	Material	Notes	14	0	25	fill - sand		14	25	30	fill - sand		14	30	254	shale + gravel in clay - 254 ft		14	254	320	shale - soft - green		14	320	400	shale - gray		14	400	510	shale - green, coarse sand		14	510	520	conglomerate - 20 ft		14	520	530	shale + sand conglomerate - 10 ft		14	530	550	shale - soft		14	550	600	shale - gray	
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<p>4. METHOD DRILLED</p> <p><input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Air <input type="checkbox"/> Hydraulic <input type="checkbox"/> Reverse rotary</p> <p><input type="checkbox"/> Cable <input type="checkbox"/> Aug <input type="checkbox"/> Other _____</p>	<p>10. WORK PERIOD</p> <p>Work started <u>2/22/62</u> ended <u>3/20/62</u></p>																																																							
<p>5. WELL CONSTRUCTION</p> <p>Casing schedule <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td><u>3/8</u> inches</td> <td><u>30</u> inches</td> <td><u>0</u> feet</td> <td><u>254</u> feet</td> </tr> <tr> <td><u>3/8</u> inches</td> <td><u>30</u> inches</td> <td><u>254</u> feet</td> <td><u>400</u> feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ inches</td> <td>_____ inches</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> <p>Was casing drive shoe used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch</p> <p>Size of perforation _____ inches by _____ inches</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Number</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> <tr> <td>_____ perforations</td> <td>_____ feet</td> <td>_____ feet</td> </tr> </tbody> </table> <p>Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Manufacturer's name _____ Model No. _____</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Size of gravel _____</p> <p>Placed from _____ feet to _____ feet</p> <p>Surface seal depth <u>60</u> Material used in seal: <input checked="" type="checkbox"/> Cement grout</p> <p><input type="checkbox"/> Bentonite <input type="checkbox"/> Pudding clay <input type="checkbox"/> _____</p> <p>Sealing procedure used: <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temp. surface casing</p> <p><input checked="" type="checkbox"/> Overbore to seal depth</p> <p>Method of joining casing: <input type="checkbox"/> Threaded <input checked="" type="checkbox"/> Welded <input type="checkbox"/> Solvent</p> <p><input type="checkbox"/> Weld</p> <p><input type="checkbox"/> Cemented between struts</p> <p>Describe annular part _____</p>	Thickness	Diameter	From	To	<u>3/8</u> inches	<u>30</u> inches	<u>0</u> feet	<u>254</u> feet	<u>3/8</u> inches	<u>30</u> inches	<u>254</u> feet	<u>400</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	<p>11. DRILLER'S CERTIFICATION</p> <p>I/We certify that all minimum well construction standards were complied with at the time the rig was removed.</p> <p>Firm Name <u>Enderson Drilling</u> Firm No. <u>522</u></p> <p>Address <u>2000 Broadway</u> City <u>Pocatello</u></p> <p>Signed by (Firm Official) _____</p> <p>and _____</p>																							
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<p>6. LOCATION OF WELL</p> <p>Sketch map location (must agree with written location).</p>  <p>Subdivision Name _____</p> <p>Lot No. _____ Block No. _____</p> <p>County <u>Blaine</u></p>	<p>7. SIGNATURE</p> <p>_____ Driller</p>																																																							

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

WELL OWNER

Name DELTA CONE
Address RT 1 PRIMEON 83857
Owner's Permit No. _____

7. WATER LEVEL

Static water level 1 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ °F. Quality _____

NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped
<u>40</u>	<u>110'</u>	<u>1</u>

PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8"	0	2	SOIL		X
8"	2	10	SAND 100%.		X
16"	10	57	CLAY 100%.		X
27"	57	30	SAND 100%.	X	
30"	30	60	CLAY 100%.		X
40"	60	64	SAND 100%.	X	
44"	64	117	CLAY 100%.		X
117"	117	151	CLAY 100%.		X
151"	151	157	CLAY 100%.		X
157"	157	159	CLAY 100%.		X
159"	159	172	CLAY 100%.		X
172"	172	195	CLAY 100%.		X
195"	195	216	CLAY 100%.		X
216"	216	218	CLAY 100%.		X
218"	218	219	CLAY 100%.		X
219"	219	220	CLAY 100%.		X
220"	220	221	CLAY 100%.		X
221"	221	222	CLAY 100%.		X
222"	222	223	CLAY 100%.		X
223"	223	224	CLAY 100%.		X
224"	224	225	CLAY 100%.		X
225"	225	226	CLAY 100%.		X
226"	226	227	CLAY 100%.		X
227"	227	228	CLAY 100%.		X
228"	228	229	CLAY 100%.		X
229"	229	230	CLAY 100%.		X

METHOD DRILLED

☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary
☒ Cable ☐ Dug ☐ Other _____

WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
<u>1/4"</u> inches	<u>8"</u> inches	<u>191</u> feet	<u>295</u> feet
<u>1/4"</u> inches	<u>6"</u> inches	<u>191</u> feet	<u>300</u> feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? 6" CASING ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☒ Torch

Size of perforation 1/4" inches by 8" inches

Number	From	To
<u>130</u> perforations	<u>200</u> feet	<u>300</u> feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 100 Material used in seal: ☐ Cement grout

☒ Pudding clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☒ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

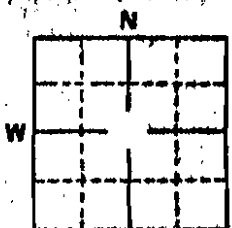
Describe access port IN WELL SEAL

10.

Work started 1-14-81 finished 1-30-81

11. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

NE 1/4 101.3 BRANCH TOWN OF PRIMEON
1/4 NE 1/4 Sec. 9 T. 41 N. 4 R. 4 E.W.

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were
complied with at the time the rig was removed.

Firm Name RAY M. SUTTON WELL DRILLING Firm No. _____

Address RT 1 BOX 135 PRIMEON, ID. Date _____

Signed by (Firm Official) Ray M. Sutton

and

(Operator) Ray M. Sutton

State law requires that this report be filed with the Director, Department of Water Resources within 90 days of the completion of the abandonment of the well.

WATER LEVEL

Static water level 46 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow off meter
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☒ Plug
Is this well ☐ Public ☒ Private Quality _____

8. WEBTEST.DAT

☐ Pump ☐ Baller ☒ Air ☐ Other

Discharge G.P.M.	Pumping Level	Hours Pumped
100	10.0	1.0
200	10.0	1.0
300	10.0	1.0
400	10.0	1.0
500	10.0	1.0
600	10.0	1.0
700	10.0	1.0
800	10.0	1.0
900	10.0	1.0
1000	10.0	1.0
1100	10.0	1.0
1200	10.0	1.0
1300	10.0	1.0
1400	10.0	1.0
1500	10.0	1.0
1600	10.0	1.0
1700	10.0	1.0
1800	10.0	1.0
1900	10.0	1.0
2000	10.0	1.0
2100	10.0	1.0
2200	10.0	1.0
2300	10.0	1.0
2400	10.0	1.0
2500	10.0	1.0
2600	10.0	1.0
2700	10.0	1.0
2800	10.0	1.0
2900	10.0	1.0
3000	10.0	1.0
3100	10.0	1.0
3200	10.0	1.0
3300	10.0	1.0
3400	10.0	1.0
3500	10.0	1.0
3600	10.0	1.0
3700	10.0	1.0
3800	10.0	1.0
3900	10.0	1.0
4000	10.0	1.0
4100	10.0	1.0
4200	10.0	1.0
4300	10.0	1.0
4400	10.0	1.0
4500	10.0	1.0
4600	10.0	1.0
4700	10.0	1.0
4800	10.0	1.0
4900	10.0	1.0
5000	10.0	1.0
5100	10.0	1.0
5200	10.0	1.0
5300	10.0	1.0
5400	10.0	1.0
5500	10.0	1.0
5600	10.0	1.0
5700	10.0	1.0
5800	10.0	1.0
5900	10.0	1.0
6000	10.0	1.0
6100	10.0	1.0
6200	10.0	1.0
6300	10.0	1.0
6400	10.0	1.0
6500	10.0	1.0
6600	10.0	1.0
6700	10.0	1.0
6800	10.0	1.0
6900	10.0	1.0
7000	10.0	1.0
7100	10.0	1.0
7200	10.0	1.0
7300	10.0	1.0
7400	10.0	1.0
7500	10.0	1.0
7600	10.0	1.0
7700	10.0	1.0
7800	10.0	1.0
7900	10.0	1.0
8000	10.0	1.0
8100	10.0	1.0
8200	10.0	1.0
8300	10.0	1.0
8400	10.0	1.0
8500	10.0	1.0
8600	10.0	1.0
8700	10.0	1.0
8800	10.0	1.0
8900	10.0	1.0
9000	10.0	1.0
9100	10.0	1.0
9200	10.0	1.0
9300	10.0	1.0
9400	10.0	1.0
9500	10.0	1.0
9600	10.0	1.0
9700	10.0	1.0
9800	10.0	1.0
9900	10.0	1.0
10000	10.0	1.0

9. PATHOLOGIC LOG

[illegible]

☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Other ☐ Other

Cladding Schedule		<input checked="" type="checkbox"/> Steel	<input type="checkbox"/> Concrete	<input type="checkbox"/> Other
Thickness	Diameter	From	To	To
1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch
1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch
1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch
1/2 inch	1/2 inch	1/2 inch	1/2 inch	1/2 inch

Was casing drive shoe used? ☐ Yes ☒ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
If not perforated, ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
perforations	_____	_____
perforations	_____	_____
perforations	_____	_____

Wall Screen Installed? ☐ Yes ☒ No

MAINTENANCE NAME

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Material used in seal: ☐ Cement grout

☐ Pudding clay ☐ Well cuttings
☐ Skumzi ☐ Trench surface casing

- ☐ Slurry pit
- ☐ Temp. surface casing
- ☐ Overbore to seal depth


Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent

method of joining casing.	<input type="checkbox"/> threaded	<input type="checkbox"/> welded	<input type="checkbox"/> solvent
	<input type="checkbox"/> welded	<input type="checkbox"/> welded	<input type="checkbox"/> weld

☐ Cemented between strata

Describe access port

sketch map location must agree with written location



Subdivision Name

Lot No. _____ Block No. _____

8/29/77

DATE 1/14/74 BY SP-1 J. H. [illegible]

10

Work started _____ finished _____

THE DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name Adelphi Corp. Firm No. 5

Address: 101 West 34th Street Date: 12/31/17

Signed by (Firm Official) *Earl W. [Signature]*

and
(Operator) *George H.*

SEP 3 1961

100-443887-100

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name James E. Blyden
Address 1014 S. 1st St.
Owner's Permit No. _____

7. WATER LEVEL

Static water level 63 feet below land surface.
Flowing? ☐ Yes ☒ No G.P.M. flow 100
Artesian closed-in pressure _____ p.s.i.
Controlled by: ☐ Valve ☐ Cap ☐ Plug
Temperature _____ OF. Quality _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailor ☒ Air ☐ Other _____

Discharge G.P.M.	Pumping Level	Hours Pumped

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Municipal
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection
☐ Other _____ (specify type)

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water Yes N
	From	To		
1	0	13	surface soil	
2	13	31	yellowish clay	
3	31	41	clay	
4	41	46	clay	
5	46	54	clay	
6	54	58	clay	
7	58	63	clay	
8	63	69	clay	
9	69	77	clay	
10	77	84	clay	
11	84	91	clay	
12	91	98	clay	
13	98	105	clay	
14	105	112	clay	
15	112	119	clay	
16	119	126	clay	
17	126	133	clay	
18	133	140	clay	
19	140	147	clay	
20	147	154	clay	
21	154	161	clay	
22	161	168	clay	
23	168	175	clay	
24	175	182	clay	
25	182	189	clay	
26	189	196	clay	
27	196	203	clay	
28	203	210	clay	
29	210	217	clay	
30	217	224	clay	
31	224	231	clay	
32	231	238	clay	
33	238	245	clay	
34	245	252	clay	
35	252	259	clay	
36	259	266	clay	
37	266	273	clay	
38	273	280	clay	
39	280	287	clay	
40	287	294	clay	
41	294	301	clay	
42	301	308	clay	
43	308	315	clay	
44	315	322	clay	
45	322	329	clay	
46	329	336	clay	
47	336	343	clay	
48	343	350	clay	
49	350	357	clay	
50	357	364	clay	
51	364	371	clay	
52	371	378	clay	
53	378	385	clay	
54	385	392	clay	
55	392	399	clay	
56	399	406	clay	
57	406	413	clay	
58	413	420	clay	
59	420	427	clay	
60	427	434	clay	
61	434	441	clay	
62	441	448	clay	
63	448	455	clay	
64	455	462	clay	
65	462	469	clay	
66	469	476	clay	
67	476	483	clay	
68	483	490	clay	
69	490	497	clay	
70	497	504	clay	
71	504	511	clay	
72	511	518	clay	
73	518	525	clay	
74	525	532	clay	
75	532	539	clay	
76	539	546	clay	
77	546	553	clay	
78	553	560	clay	
79	560	567	clay	
80	567	574	clay	
81	574	581	clay	
82	581	588	clay	
83	588	595	clay	
84	595	602	clay	
85	602	609	clay	
86	609	616	clay	
87	616	623	clay	
88	623	630	clay	
89	630	637	clay	
90	637	644	clay	
91	644	651	clay	
92	651	658	clay	
93	658	665	clay	
94	665	672	clay	
95	672	679	clay	
96	679	686	clay	
97	686	693	clay	
98	693	700	clay	
99	700	707	clay	
100	707	714	clay	

4. METHOD DRILLED

☐ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary
☐ Cable ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION

Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____

Thickness	Diameter	From	To
1/2 inches	1/2 inches	1 feet	134 feet
1/2 inches	1/2 inches	134 feet	134 feet
1/2 inches	1/2 inches	134 feet	134 feet
1/2 inches	1/2 inches	134 feet	134 feet

Was casing drive shoe used? ☐ Yes ☒ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
1 perforations	1 feet	134 feet
1 perforations	134 feet	134 feet
1 perforations	134 feet	134 feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No ☐ Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 134 Material used in seal: ☐ Cement grout

☐ Pudding clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing

☐ Overbore to seal depth

Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent

Weld

☐ Cemented between strata

Describe access port _____

6. LOCATION OF WELL

Sketch map location must agree with written location.

Subdivision Name _____
Lot No. _____ Block No. _____

County Latah

SW 1/4 NW 1/4 Sec. 32, T. 42 N, R. 5 E/W.

10.

Work started 5/11/77 finished 5/15/77

11. DRILLERS CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Firm Name E. E. White Firm No. 58

Address 1014 S. 1st St. Date 12/15/77

Signed by (Firm Official) E. E. White

and

(Operator) Regina White

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

USE TYPEWRITER OR
BALLPOINT PEN

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name Robert Tuttle

Address Route 1 Box 65 Palouse, WA 99161

Owner's Permit No. _____

7. WATER LEVEL

Static water level 114 feet below land surface.

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ °F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by: ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.

Drawdown

Hours Pumped

7

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)

☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal
or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 220 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>8</u> inches	<u>above 1</u> feet	<u>81</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ No

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal depth 201 Material used in seal: ☐ Cement grout

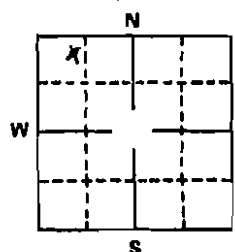
811 ☒ Pudding clay ☐ Well cuttings

Sealing procedure used: ☐ Slurry pit ☒ Temporary surface

casing ☐ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County Latah

NW 1/4 NW 1/4 Sec. 8, T. 41 N. R. 5 E/W

10.

Work started 6-18-79 finished 9-5-79

11. DRILLERS CERTIFICATION

Firm Name Don Town Well Drilling Firm No. 155

Address Rt 4 Box 429 Moscow, ID Date 10-15-79

Signed by (Firm Official) Don Town

and

(Operator) _____

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

N

WELL OWNER

Name MIKE HUTTON
Address 533 NORTH MAIN MOSCOW, IDAHO
Owner's Permit No. _____

NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

7. WATER LEVEL

Static water level 60 feet below land surface
Flowing? ☐ Yes ☐ No G.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Other
Discharge G.P.M. 5 1/2 Draw Down ATR TEST Hours Pumped _____

9. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 235 feet
Casing schedule: ☐ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>1/4" PVC</u> inches	<u>8</u> inches	<u>1</u> feet	<u>41</u> feet
<u>1/2" PVC</u> inches	<u>6</u> inches	<u>13.5</u> feet	<u>235</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? 6" PVC ☒ Yes ☐ No SAW
How perforated? ☐ Factory ☐ Knife ☒ Torch
Size of perforation 1/8 inches by 12 inches
Number 65 perforations 125 feet 235 feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet

Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 41 Material used in seal ☒ Cement grout
☐ Puddling clay ☐ Well cuttings
Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing
☒ Overbore to seal depth

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	1	SOIL		X
8	1	14	CLAY		X
8	14	33	ARGILLITE BROKEN		X
8	33	63	ARGILLITE HARD		X
8	63	67	ARGILLITE BROKEN	X	
8	67	163	ARGILLITE HARD		X
8	163	166	ARGILLITE FRACTURED		X
8	166	192	ARGILLITE HARD		X
8	192	195	ARGILLITE SOFT	X	
8	195	235	ARGILLITE HARD		X

RECEIVED

SEP 10 1979

Department of Water Resources
Northern District Office

10. Work started 8-25-79 finished 8-28-79

11. DRILLERS CERTIFICATION

Firm Name M. HUTTON & SONS Firm No. 120
Address PO BOX 138 MOSCOW, IDAHO Date 9-1-79
Signed by (Firm Official) Ray M. Hutton
and
(Operator) Del Wright

6. LOCATION OF WELL

Sketch map location must agree with written location.
Subdivision Name _____
Lot No. _____ Block No. _____
County LATAH
SE 1/4 Sec. 19, T. 41 N. R. 4 E. W.

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

[illegible]

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name MAX C. JENSEN
Address BOX 206 POTATIA, IDAHO
Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type)
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 220 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>1/4</u> inches	<u>8</u> inches	<u>1</u> feet	<u>138</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

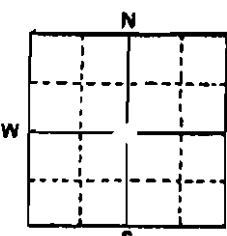
Well screen installed? ☐ Yes ☒ No
Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 80 Material used in seal ☐ Cement grout
☒ Pudding clay ☐ Well cuttings
Sealing procedure used ☐ Slurry pit ☐ Temporary surface casing
☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH
S 34N 1/4 Sec. 8, T. 11 N. R. 5 E

7. WATER LEVEL

Static water level 25 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other
Discharge G.P.M. 7 Draw Down 165 Hours Pumped 1 1/2

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	1	SOIL		
8	1	19	CLAY BROWN		
8	19	20	CLAY TAN		
8	20	23	CLAY LIGHT TAN		
8	23	37	CLAY SANDY BROWN		
8	37	42	GRANITE + GRANITE SAND		
8	42	68	CLAY + ROCK BROWN		
8	68	97	CLAY SANDY + SMALL GRAVEL		
8	97	109	CLAY LIGHT BLUE		
8	109	123	CLAY SANDY BROWN		
8	123	138	CLAY LIGHT BLUE		
8	138	140	CLAY + ROCK BLUE		
8	140	183	BROKEN BASALT MED-SOFT		
8	183	220	METAMORPHIC ROCK MED		

10.

Work started 8-15-78 finished 8-25-78

11. DRILLERS CERTIFICATION

Firm Name RAY M. JENSEN WELL DRILLING Firm No. 190
Address RAI BOX 138 PALOUSE, IDAHO Date 8-25-78
Signed by (Firm Official) Ray M. Jensen
and
(Operator) Ray M. Jensen

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

DEPARTMENT OF WATER RESOURCES.

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

[illegible]

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 days after the completion or abandonment of the well.

1. WELL OWNER

Name JACK FRAZIER
Address RT. 1 Box 177 POTLATCH, IDAHO
Owner's Permit No. _____

7. WATER LEVEL

Static water level 30 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☐ Bailer ☒ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>20.5 GPM</u>		

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 6 inches Total depth 250 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>.250</u> inches	<u>6</u> inches	<u>1</u> feet	<u>239</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was casing drive shoe used? ☒ Yes ☐ No
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Slot size _____ Set from _____ feet to _____ feet
Diameter _____ Slot size _____ Set from _____ feet to _____ feet

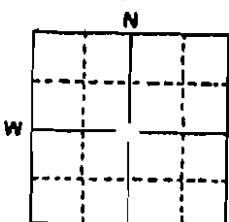
Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal depth 20 Material used in seal ☐ Cement grout
☒ Pudding clay ☒ Well cuttings

Sealing procedure used ☐ Slurry pit ☒ Temporary surface casing
☒ Overbore to seal depth

6. LOCATION OF WELL

Sketch map location must agree with written location.



Subdivision Name _____

Lot No. _____ Block No. _____

County LATAH

SW 1/4 Sec. 35, T. 42 N, R. 5 E NW

10.

Work started 11/1/77 finished 11/4/77

11. DRILLERS CERTIFICATION

Firm Name AQUA DRILLING & SERVICE Firm No. 163

Address PO Box 1497, Coeur d'Alene Date 11/2/77

Signed by (Firm Official) Richard H. Brown

and
(Operator) David M. March

Department of Water Administration
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

30
Department of War Resources
Southern District Office

1. WELL OWNER
Name Robert Daily
Address Route 1 Box 67 Palouse, Wn 99161
Owner's Permit No. _____

7. WATER LEVEL

Static water level 2 $\frac{1}{2}$ feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

8. WELL TEST DATA		
<input type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Other		
Discharge G.P.M.	Draw Down	Hours Pumping
45	10ft	6 1/2

7. PROPOSED USE

<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Test	<input type="checkbox"/> Other (specify type)
<input checked="" type="checkbox"/> Municipal	<input type="checkbox"/> Industrial	<input type="checkbox"/> Stock	<input type="checkbox"/> Waste Disposal or Injection

9. LITHOLOGIC LOG

METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

[illegible]

2. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 40 feet

Construction schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	1 ft from	To
<u>250</u> inches	<u>8</u> inches	<u>+ above</u> feet	<u>38 1/2</u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

[illegible]

87

Sketch map location must agree with written location.

X			

Subdivision Name _____

Lot No. _____ Block No. _____

County Latah

T. 41 N. 5 W. Sec. 4

10. Work started May 3-1977 finished May 6, 1977

II. DRILLERS CERTIFICATION

Firm Name Don Town Well Drilling Firm No. 155

Address Rt 4 Bx 429 Moscow, Id 83848 5-12-77

Signed by (Firm Official) _____

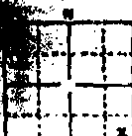
and

(Operator) _____

Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name: <u>Iron Emerson</u> Address: <u>Route 1 Pottlatch, Idaho 83855</u> Permit No. _____		7. WATER LEVEL Static water level: <u>12</u> feet below land surface Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. <u>None</u> Temperature _____ Quality _____ Artesian closed in pressure _____ Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug																																																																				
2. NATURE OF WORK <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement (1) Abandoned (describe method of abandoning) _____		8. WELL TEST DATA Pump <input type="checkbox"/> Gravity <input checked="" type="checkbox"/> Other _____ Discharge G.P.M. _____ Draw Down _____ Hours _____ 10 _____ 20 ft from bottom _____																																																																				
3. PROPOSED USE <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Other (specify type) _____ <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection		9. LITHOLOGIC LOG <table border="1"> <thead> <tr> <th rowspan="2">Hole Depth</th> <th colspan="2">Depth</th> <th rowspan="2">Material</th> <th rowspan="2">Well Yes</th> </tr> <tr> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>10</td> <td>Clay & rock</td> <td>X</td> </tr> <tr> <td>"</td> <td>10</td> <td>12</td> <td>Yellow clay</td> <td>X</td> </tr> <tr> <td>"</td> <td>12</td> <td>18</td> <td>Soft broken basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>18</td> <td>19</td> <td>Medium basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>19</td> <td>20</td> <td>Hard basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>20</td> <td>25</td> <td>Soft basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>25</td> <td>40</td> <td>Hard basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>40</td> <td>46</td> <td>Broken rock—Blue, black clay</td> <td>X</td> </tr> <tr> <td>"</td> <td>46</td> <td>51</td> <td>Medium basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>51</td> <td>58</td> <td>Hard basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>58</td> <td>67</td> <td>Soft basalt</td> <td>X</td> </tr> <tr> <td>"</td> <td>67</td> <td>72</td> <td>Hard basalt</td> <td>X</td> </tr> </tbody> </table>		Hole Depth	Depth		Material	Well Yes	From	To	0	0	10	Clay & rock	X	"	10	12	Yellow clay	X	"	12	18	Soft broken basalt	X	"	18	19	Medium basalt	X	"	19	20	Hard basalt	X	"	20	25	Soft basalt	X	"	25	40	Hard basalt	X	"	40	46	Broken rock—Blue, black clay	X	"	46	51	Medium basalt	X	"	51	58	Hard basalt	X	"	58	67	Soft basalt	X	"	67	72	Hard basalt	X
Hole Depth	Depth		Material		Well Yes																																																																	
	From	To																																																																				
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"	46	51	Medium basalt	X																																																																		
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"	58	67	Soft basalt	X																																																																		
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4. METHOD DRILLED <input checked="" type="checkbox"/> Rotary <input type="checkbox"/> Dug <input type="checkbox"/> Other _____																																																																						
5. WELL CONSTRUCTION Hole _____ inches Total depth <u>72</u> feet Casing: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete Diameter _____ inches From _____ feet To _____ feet _____ inches _____ feet _____ feet _____ inches _____ feet _____ feet _____ inches _____ feet _____ feet _____ inches _____ feet _____ feet Well packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input checked="" type="checkbox"/> Torch Size of perforation _____ inches by _____ inches _____ Number _____ From _____ feet To _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name _____ Model No. _____ _____ Slot size _____ Set from _____ feet to _____ feet _____ Slot size _____ Set from _____ feet to _____ feet Well packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size of gravel _____ _____ feet to _____ feet Surface seal depth _____ Material used in seal <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Clay & Bentonite <input type="checkbox"/> Pudding clay <input type="checkbox"/> Well cuttings Sealing procedure used <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temporary surface casing <input type="checkbox"/> Overbore to seal depth																																																																						
6. LOCATION OF WELL Check map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County, Idaho _____		10. Work started <u>12-14-76</u> finished <u>1-11-77</u>																																																																				
11. DRILLER'S CERTIFICATION Firm <u>Hamdon Town Well Drilling</u> Firm No. <u>155</u> Address <u>Route 4 Box 429 Moscow, Idaho 83401</u> Signed by (Firm Official) <u>Don Town</u> and _____ Operator _____																																																																						

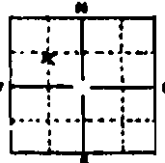
ON 4 SE 1/4 Sec. 26, T. 42, N. 3. R. 5, E. 1/4

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE COPY TO THE DEPARTMENT

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration, within 10 days after the completion or abandonment of the well.

1. WELL OWNER Clayton Reynolds Route 1 Princeton, Idaho 83857		7. WATER LEVEL Water level at surface <input checked="" type="checkbox"/> Flowing? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> G.P.M. flow <input type="checkbox"/> Temperature <input type="checkbox"/> F. Quality <input type="checkbox"/> Artesian closed in pressure <input type="checkbox"/> psi Controlled by Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug <input type="checkbox"/>																																															
2. NATURE OF WORK <input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement Abandoned (describe method of abandoning)		9. WELL TEST DATA <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailor <input type="checkbox"/> Other Discharge G.P.M. Draw Down Hours Pumped 3																																															
3. PROPOSED USE <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Other (specify type) <input type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste disposal or injection		8. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Well Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>8</td><td>0</td><td>3</td><td>Black dirt</td><td></td><td>X</td></tr><tr><td>"</td><td>3</td><td>6</td><td>Yellow clay</td><td></td><td>X</td></tr><tr><td>"</td><td>6</td><td>17</td><td>Brown clay</td><td></td><td>X</td></tr><tr><td>"</td><td>17</td><td>19</td><td>Blue clay</td><td>2 gal pm</td><td>X</td></tr><tr><td>"</td><td>19</td><td>21</td><td>Blue clay, gravel 1 gal pm</td><td></td><td>X</td></tr><tr><td>"</td><td>21</td><td>30</td><td>lt. brown clay, sand</td><td></td><td>X</td></tr></tbody></table>		Well Diam.	Depth		Material	Water		From	To	Yes	No	8	0	3	Black dirt		X	"	3	6	Yellow clay		X	"	6	17	Brown clay		X	"	17	19	Blue clay	2 gal pm	X	"	19	21	Blue clay, gravel 1 gal pm		X	"	21	30	lt. brown clay, sand		X
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5. WELL CONSTRUCTION Diameter of hole 8 inches Total depth 27 feet Casing schedule <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete Thickness Diameter From To 250 inches 8 inches above feet 27 feet inches inches feet feet inches inches feet feet inches inches feet feet inches inches feet feet inches inches feet feet Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch Size of perforation inches by inches Number From To perforations feet feet feet perforations feet feet feet perforations feet feet feet Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name Type Model No. Diameter Slot size Set from feet to feet Diameter Slot size Set from feet to feet Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size of gravel Placed from feet to feet Surface seal depth 18 ft Material used in seal <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Pudding clay <input type="checkbox"/> Well cuttings Sealing procedure used <input type="checkbox"/> Slurry pit <input type="checkbox"/> Temporary surface casing <input type="checkbox"/> Overbore to seal depth																																																	
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		11. DRILLER'S CERTIFICATION Firm Name Don Town Well Drilling Firm No. 155 Address Rt. 4 Box 429 Moscow, Idaho 83843-10-76 Signed by (Firm Official) Don Town 83843 and Operator																																															

USE ADDITIONAL SHEETS IF NECESSARY. FORWARD THE WHITE COPY TO THE DEPARTMENT.

DRILLER'S REPORT

Department of Water Administration within the
for the inspection or abandonment of the well.

7. WATER LEVEL

Static water level 6 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M.
Temperature F. Casing
Casing closed in pressure
☐ Yes ☒ No

Time		Depth		Remarks	
9	00	0	0	Surface	
9	01	1	0		
9	02	2	0		
9	03	3	0		
9	04	4	0		
9	05	5	0		
9	06	6	0		
9	07	7	0		
9	08	8	0		
9	09	9	0		
9	10	10	0		
9	11	11	0		
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9	91	91	0		
9	92	92	0		
9	93	93	0		
9	94	94	0		
9	95	95	0		
9	96	96	0		
9	97	97	0		
9	98	98	0		
9	99	99	0		
9	100	100	0		

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources within 30 JUL 28 1976 days after the completion or abandonment of the well.

RECEIVED

[illegible]

State of Idaho
Department of Water Administration

RECEIVED

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

USE ADDITIONAL SHEETS IF NECESSARY. FORWARD THE WHITE COPY TO THE DEPARTMENT.

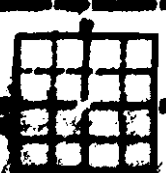
USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

RECEIVED

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

DEC 13 1974

1. WELL OWNER Name <u>Bob and</u> Address <u>Idaho, Idaho</u> Owner's Permit No. _____		7. WATER LEVEL Department of Water Resources Static water level <u>16</u> feet below land surface Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. flow _____ Temperature _____ ° F. Quality _____ Artesian closed in pressure _____ p.s.i. Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug																																																																							
2. NATURE OF WORK <input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement <input type="checkbox"/> Abandoned (describe method of abandoning) _____		8. WELL TEST DATA <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Other Discharge G.P.M. <u>25</u> Draw Down <u>14</u> Head Feet <u>1</u>																																																																							
3. PROPOSED USE <input checked="" type="checkbox"/> Domestic <input type="checkbox"/> Irrigation <input type="checkbox"/> Test <input type="checkbox"/> Other (specify type) _____ <input type="checkbox"/> Municipal <input type="checkbox"/> Industrial <input type="checkbox"/> Stock <input type="checkbox"/> Waste Disposal or Injection		9. LITHOLOGIC LOG <table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>8</td><td>0</td><td>1</td><td>TOP SOIL</td><td></td><td></td></tr><tr><td>8</td><td>1</td><td>21</td><td>BROWN CLAY</td><td></td><td></td></tr><tr><td>8</td><td>21</td><td>22</td><td>DISCONTINUOUS GRANITE</td><td></td><td></td></tr><tr><td>8</td><td>22</td><td>33</td><td>BROWN SANDY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>33</td><td>51</td><td>BLUE CLAY</td><td></td><td></td></tr><tr><td>8</td><td>51</td><td>65</td><td>BROWN SANDY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>65</td><td>79</td><td>TAN SANDY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>79</td><td>95</td><td>DISCONTINUOUS GRANITE</td><td></td><td></td></tr><tr><td>8</td><td>95</td><td>120</td><td>BROWN SANDY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>120</td><td>132</td><td>BROWN SANDY CLAY</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	8	0	1	TOP SOIL			8	1	21	BROWN CLAY			8	21	22	DISCONTINUOUS GRANITE			8	22	33	BROWN SANDY CLAY			8	33	51	BLUE CLAY			8	51	65	BROWN SANDY CLAY			8	65	79	TAN SANDY CLAY			8	79	95	DISCONTINUOUS GRANITE			8	95	120	BROWN SANDY CLAY			8	120	132	BROWN SANDY CLAY		
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5. WELL CONSTRUCTION Diameter of hole <u>8</u> inches Total depth <u>132</u> feet Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete Thickness <u>1/2</u> inches Diameter <u>8</u> inches From <u>1</u> feet To <u>82</u> feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet _____ inches _____ inches _____ feet _____ feet Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size of gravel _____ Placed from _____ feet to _____ feet Surface and depth <u>82</u> Material used in seal <input checked="" type="checkbox"/> Cement grout <input type="checkbox"/> Pudding clay <input type="checkbox"/> Well cuttings Sealing procedure used <input type="checkbox"/> Slurry pit <input checked="" type="checkbox"/> Temporary surface casing <input checked="" type="checkbox"/> Overbore to seal depth																																																																									
6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivided Name _____ Twp. No. _____ R. No. _____		10. WORK STARTED Work started <u>11-20-74</u> ended <u>12-5-74</u>																																																																							
		11. DRILLING CERTIFICATION For Name <u>Bob and</u> Address <u>Idaho, Idaho</u> Signed by (Print Name) _____ _____																																																																							

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration
WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

1. WELL OWNER
Name Robert Conk
Address Rt 2, PATERSON, IDAHO
Owner's Permit No. _____

7. WATER LEVEL
Static water level 15 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK
☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA
☐ Pump ☒ Sucker ☐ Other _____
Discharge G.P.M. 20 Draw down 60"

3. PROPOSED USE
☒ Domestic ☐ Irrigation ☐ Test ☐ Other (specify type) _____
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste (disposal or injection)

4. METHOD DRILLED
☒ Cable ☐ Rotary ☐ Dug ☐ Other _____

5. WELL CONSTRUCTION
Diameter of hole 6 inches Total depth 418'-6" feet
Casing schedule: ☒ Steel ☐ Concrete
Thickness _____ inches Diameter _____ inches
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
_____ inches _____ inches _____ feet _____ feet
Was a packer or seal used? ☐ Yes ☒ No
Perforated? ☐ Yes ☒ No
How perforated? ☐ Factory ☐ Knife ☐ Torch
Size of perforation _____ inches by _____ inches
Number _____ Perforations _____ From _____ feet To _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
_____ perforations _____ feet _____ feet
Well screen installed? ☐ Yes ☒ No
If yes, manufacturer's name _____
Type _____ Model No. _____
Diameter _____ Shot size _____ Set from _____ feet to _____ feet
Diameter _____ Shot size _____ Set from _____ feet to _____ feet
Gravel packed? ☐ Yes ☐ No Size of gravel _____
Packed from _____ feet to _____ feet
Surface seal depth 42 inches Material used is seal ☒ Compact gravel
☐ Packing clay ☐ Well cuttings
Sealing material used ☐ Clay ☐ Temporary surface casing
Seal extends to and depth _____

9. LITHOLOGIC LOG

Hole Depth	Depth		Material
	From	To	
0	0	2	TAP 342
2	2	22	BROWN CLAY
22	22	26	BROWN SAND
26	26	28	BROWN SAND & GRAVEL
28	28	29	SANDY CLAY
29	29	35	SANDY CLAY
35	35	40	SANDY CLAY
40	40	41	SANDY CLAY
41	41	42	SANDY CLAY
42	42	43	SANDY CLAY
43	43	44	SANDY CLAY
44	44	45	SANDY CLAY
45	45	46	SANDY CLAY
46	46	47	SANDY CLAY
47	47	48	SANDY CLAY
48	48	49	SANDY CLAY
49	49	50	SANDY CLAY
50	50	51	SANDY CLAY
51	51	52	SANDY CLAY
52	52	53	SANDY CLAY
53	53	54	SANDY CLAY
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71	71	72	SANDY CLAY
72	72	73	SANDY CLAY
73	73	74	SANDY CLAY
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75	75	76	SANDY CLAY
76	76	77	SANDY CLAY
77	77	78	SANDY CLAY
78	78	79	SANDY CLAY
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91	91	92	SANDY CLAY
92	92	93	SANDY CLAY
93	93	94	SANDY CLAY
94	94	95	SANDY CLAY
95	95	96	SANDY CLAY
96	96	97	SANDY CLAY
97	97	98	SANDY CLAY
98	98	99	SANDY CLAY
99	99	100	SANDY CLAY

10. Well depth 11-2 feet

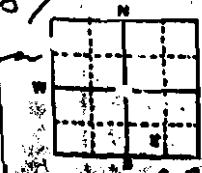
11. Signature _____

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 days after the completion or abandonment of the well.

<p>1. WELL OWNER</p> <p>Name <u>MAXINE McDANIELS</u></p> <p>Address <u>POTLATCH, IDAHO</u></p> <p>Owner's Permit No. _____</p>	<p>7. WATER LEVEL</p> <p>Static water level <u>47</u> feet below land surface</p> <p>Flowing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No G.P.M. <u>60</u></p> <p>Temperature _____ ° F. Quality <u>GOOD</u></p> <p>Artesian closed-in pressure _____ p.s.f.</p> <p>Controlled by <input type="checkbox"/> Valve <input type="checkbox"/> Cap <input type="checkbox"/> Plug</p>																																																																																																																
<p>2. NATURE OF WORK</p> <p><input checked="" type="checkbox"/> New well <input type="checkbox"/> Deepened <input type="checkbox"/> Replacement</p> <p>Abandoned (describe method of abandoning) _____</p>	<p>8. WELL TEST DATA <u>AIR TEST</u></p> <p><u>60 G.P.M.</u></p> <p><input type="checkbox"/> Pump <input type="checkbox"/> Bailor <input type="checkbox"/> Other _____</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Discharge G.P.M.</th> <th>Draw Down</th> <th>Hours Pumped</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	Discharge G.P.M.	Draw Down	Hours Pumped																																																																																																													
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<p>5. WELL CONSTRUCTION</p> <p>Diameter of hole <u>6</u> inches Total depth <u>325</u> feet</p> <p>Casing schedule: <input checked="" type="checkbox"/> Steel <input type="checkbox"/> Concrete</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Thickness</th> <th>Diameter</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>2.50 inches</td> <td>6 inches</td> <td>2 feet</td> <td>28 feet</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>Was a packer or seal used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Perforated? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>How perforated? <input type="checkbox"/> Factory <input type="checkbox"/> Knife <input type="checkbox"/> Torch</p> <p>Size of perforation _____ inches by _____ inches</p> <p>Number of perforations _____ From _____ feet To _____ feet</p> <p>Well screen installed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Manufacturer's name _____</p> <p>Type _____ Model No. _____</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Diameter _____ Slot size _____ Set from _____ feet to _____ feet</p> <p>Gravel packed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size of gravel _____</p> <p>Placed from _____ feet to _____ feet</p> <p>Surface seal depth <u>28</u> Material used in seal <input type="checkbox"/> Cement grout <input checked="" type="checkbox"/> Packing clay <input type="checkbox"/> Well cuttings</p> <p>Sealing procedure used <input type="checkbox"/> Sherry pit <input type="checkbox"/> Temporary surface casing <input checked="" type="checkbox"/> Overlays to seal depth</p>	Thickness	Diameter	From	To	2.50 inches	6 inches	2 feet	28 feet																					<p>11. DRILLER'S CERTIFICATION</p> <p>Firm Name <u>BURNS & WITTE</u> Firm No. <u>58</u></p> <p>Address <u>2019 POWERS</u> Date <u>11/14/73</u></p> <p>Signed by (Firm Official) <u>H. R. Burns</u></p> <p>Operator _____</p>																																																																																				
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<p>6. LOCATION OF WELL</p> <p>Sketch map location must agree with written location.</p>  <p>Subdivision Name _____</p> <p>Lot No. _____ Block No. _____</p> <p>County <u>LATAH</u></p> <p>SW 1/4 Sec. 4 T. 41 N. R. 4 E/W</p>	<p>USE ADDITIONAL SHEETS IF NECESSARY</p> <p>FORWARD THE WHITE COPY TO THE DEPARTMENT</p>																																																																																																																

R. LOCATION OF WELL

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name LOREN BYARRIS
Address 970 PINE STREET BOTWCH, IDAHO 83855
Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement
☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 102 feet
Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>1/4</u> inches	<u>8</u> inches	<u>7 1/2</u> feet	<u>24</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☒ No
 Perforated? ☐ Yes ☒ No
 How perforated? ☐ Factory ☐ Knife ☐ Torch
 Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 24 feet
Material used in seal ☒ Cement grout ☐ Puddling clay

7. WATER LEVEL

Static water level 14 feet below land surface
Flowing? ☐ Yes ☒ No G.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
$\frac{1}{2}$	TOTAL	1

9. LITHOLOGIC LOG

[illegible]

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Glen AtkisonAddress Potlatch, Idaho 83855

Owner's Permit No. _____

7. WATER LEVEL

Static water level 28 feet below land surfaceFlowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement☐ Abandoned (describe method of abandoning) _____

8. WELL TEST DATA

☐ Pump ☒ Baller ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
14 gal 3 ft from bottom		24

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 41 feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>8</u> inches	<u>above</u> feet	<u>34</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☐ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 20 feetMaterial used in seal ☐ Cement grout ☒ Pudding clay

6. LOCATION OF WELL

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name JOHN W. STEELE

Address KT. 2 POTLATCH IDAHO

Owner's Permit No.

7. WATER LEVEL

Static water level 97 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test

☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotory ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 100 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness		Diameter		From		To	
<u>1/4</u>	inches	<u>8</u>	inches	<u>11</u>	feet	<u>45</u>	feet
<u>1/2</u>	inches	<u>5</u>	inches	<u>7</u>	feet	<u>100</u>	feet
	inches		inches		feet		feet
	inches		inches		feet		feet
	inches		inches		feet		feet

Was a packer or seal used? ☐ Yes ☐ No

Perforated? ☒ Yes ☐ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation 1 1/2 inches by 1 1/2 inches

Number	From	To
105	75	200

Well screen installed? ☐ Yes ☐ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

2 2

Gravel packed? ☒ Yes ☐ No Size of gravel 3/4" pea gravel

Placed from 40 feet to 200 feet

1967

Surface seal? ☒ Yes ☐ No To what depth 15 feet

Material used in seal ☐ Cement grout ☒ Puddling clay

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
------------------	-----------	--------------

8	30	1
---	----	---

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8	0	1	TOP SOIL		
"	1	17	BROWN CLAY		
"	17	34	YELLOW CLAY		
"	34	45	BROKEN BASALT + CLAY		
"	45	64	BLACK BASALT		
"	64	82	BLUE CLAY + SMALL GRAVEL		
"	82	86	BLACK CLAY		
"	86	90	TAN CLAY		
"	90	95	SMALL ROUND GRAVEL		
"	95	105	BLACK BASALT		
"	105	107	BLUE CLAY + SMALL GRAVEL		
"	107	136	BLACK BASALT		
"	136	140	BLUE CLAY + SMALL GRAVEL		
"	140	153	BLACK BASALT		
"	153	153	BROKEN BASALT		
"	153	160	BROKEN BASALT + CLAY		
"	160	164	BROKEN BASALT + CLAY		
"	164	173	BLACK BASALT		
"	173	177	BROWN CLAY		
"	177	179	BLACK BASALT		
"	179	200	BROKEN BASALT + SHALE		

State of Idaho
Department of Reclamation

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

7. WATER LEVEL

Static water level +10 inches feet below land surface

Flowing? ☐ Yes ☐ No G.P.M. flow 1000

Temperature _____° F. Quality _____

Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
------------------	-----------	--------------

34

55

Hours Pumped

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No

1	1	2015 01/01		
---	---	------------	--	--

62	1	1	20F SAT1		
----	---	---	----------	--	--

11	1	1	1000	1000	
11	1	1	1000	1000	

[illegible]

11	11	1946 12-31-47 6.5421-	1	
12	12	1946 12-31-47 6.5421-	1	

11	13	17	KEY CLAY		
----	----	----	----------	--	--

11	12	39	BLACK BRICKEN CLAY		
----	----	----	--------------------	--	--

1	39	61	12.07 B564A (LH)		
---	----	----	------------------	--	--

1	61	95	240	1240		
---	----	----	-----	------	--	--

11	45	118	BROWN CLAY WITH SOME LIGNITE	
----	----	-----	------------------------------	--

11	113	115	11326	11327
----	-----	-----	-------	-------

11	118	138	150-46N	1545/47	164-73	1
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11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.10	11.11	11.12	11.13	11.14	11.15	11.16	11.17	11.18	11.19	11.20	11.21	11.22	11.23	11.24	11.25	11.26	11.27	11.28	11.29	11.30	11.31	11.32	11.33	11.34	11.35	11.36	11.37	11.38	11.39	11.40	11.41	11.42	11.43	11.44	11.45	11.46	11.47	11.48	11.49	11.50	11.51	11.52	11.53	11.54	11.55	11.56	11.57	11.58	11.59	11.60	11.61	11.62	11.63	11.64	11.65	11.66	11.67	11.68	11.69	11.70	11.71	11.72	11.73	11.74	11.75	11.76	11.77	11.78	11.79	11.80	11.81	11.82	11.83	11.84	11.85	11.86	11.87	11.88	11.89	11.90	11.91	11.92	11.93	11.94	11.95	11.96	11.97	11.98	11.99	12.00	12.01	12.02	12.03	12.04	12.05	12.06	12.07	12.08	12.09	12.10	12.11	12.12	12.13	12.14	12.15	12.16	12.17	12.18	12.19	12.20	12.21	12.22	12.23	12.24	12.25	12.26	12.27	12.28	12.29	12.30	12.31	12.32	12.33	12.34	12.35	12.36	12.37	12.38	12.39	12.40	12.41	12.42	12.43	12.44	12.45	12.46	12.47	12.48	12.49	12.50	12.51	12.52	12.53	12.54	12.55	12.56	12.57	12.58	12.59	12.60	12.61	12.62	12.63	12.64	12.65	12.66	12.67	12.68	12.69	12.70	12.71	12.72	12.73	12.74	12.75	12.76	12.77	12.78	12.79	12.80	12.81	12.82	12.83	12.84	12.85	12.86	12.87	12.88	12.89	12.90	12.91	12.92	12.93	12.94	12.95	12.96	12.97	12.98	12.99	13.00	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08	13.09	13.10	13.11	13.12	13.13	13.14	13.15	13.16	13.17	13.18	13.19	13.20	13.21	13.22	13.23	13.24	13.25	13.26	13.27	13.28	13.29	13.30	13.31	13.32	13.33	13.34	13.35	13.36	13.37	13.38	13.39	13.40	13.41	13.42	13.43	13.44	13.45	13.46	13.47	13.48	13.49	13.50	13.51	13.52	13.53	13.54	13.55	13.56	13.57	13.58	13.59	13.60	13.61	13.62	13.63	13.64	13.65	13.66	13.67	13.68	13.69	13.70	13.71	13.72	13.73	13.74	13.75	13.76	13.77	13.78	13.79	13.80	13.81	13.82	13.83	13.84	13.85	13.86	13.87	13.88	13.89	13.90	13.91	13.92	13.93	13.94	13.95	13.96	13.97	13.98	13.99	14.00	14.01	14.02	14.03	14.04	14.05	14.06	14.07	14.08	14.09	14.10	14.11	14.12	14.13	14.14	14.15	14.16	14.17	14.18	14.19	14.20	14.21	14.22	14.23	14.24	14.25	14.26	14.27	14.28	14.29	14.30	14.31	14.32	14.33	14.34	14.35	14.36	14.37	14.38	14.39	14.40	14.41	14.42	14.43	14.44	14.45	14.46	14.47	14.48	14.49	14.50	14.51	14.52	14.53	14.54	14.55	14.56	14.57	14.58	14.59	14.60	14.61	14.62	14.63	14.64	14.65	14.66	14.67	14.68	14.69	14.70	14.71	14.72	14
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[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

6. LOCATION OF WELL

RECEIVED

MAY

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer Department within 90 days after completion or abandonment of the well.

~~Northern District Office~~

RECEIVED
9-19-73

9-1973

Name DALE BREST
Address PRINCETON, IDAHO 83857
Owner's Permit No. _____

Static water level 82 feet below land surface
Flowing? ☐ Yes ☒ No D.P.M. flow _____
Temperature _____ ° F. Quality _____
Artesian closed-in pressure _____ p.s.i.
Controlled by ☐ Valve ☐ Cap ☐ Plug

☒ New well ☐ Deepened ☐ Replacement

☒ Abandoned (describe method of abandoning)

☐ Pump ☒ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
------------------	-----------	--------------

12	12	12

☒ Domestic ☐ Irrigation ☐ Test
☐ Municipal ☐ Industrial ☐ Stock

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
10	0	1	TOP SOIL		
10	1	20	BROWN CLAY		
10	20	24	BROKEN BASALT & CLAY		
10	24	25	BASALT BLACK MED		
8	25	33	" " "		
"	33	53	BLACK BASALT MED-HARD		
"	53	64	BROKEN ROCK & BLUE CLAY		
"	64	74	BLACK BASALT MED		
"	74	165	BLACK BASALT MED-HARD		
"	165	167	BROKEN BASALT		
"	167	168	BLUE CLAY WITH SMALL GRAVEL		

☒ Cable ☐ Rotary ☐ Dug ☐ Other

Diameter of hole 8 inches Total depth 168 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>5/8</u> inches	<u>8</u> inches	<u>1</u> feet	<u>25</u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet
<u> </u> inches	<u> </u> inches	<u> </u> feet	<u> </u> feet

Was a packer or seal used? ☐ Yes ☒ No
 Perforated? ☐ Yes ☒ No
 How perforated? ☐ Factory ☐ Knife ☐ Torch
 Size of perforation _____ inches by _____ inches
 Number From To
 _____ perforations _____ feet _____
 _____ perforations _____ feet _____
 _____ perforations _____ feet _____

Well screen installed? ☐ Yes ☒ No
 Manufacturer's name _____
 Type _____ Model No. _____
 Diameter _____ Slot size _____ Set from _____ feet to _____ feet
 Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☒ No Size of gravel _____
Placed from _____ feet to _____ feet
Surface seal? ☒ Yes ☐ No To what depth _____ feet
Material used in seal ☐ Cement grout ☒ Puddling clay

[illegible]

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name Village of Onaway

Address Onaway, Idaho (by Potlatch.)

Owner's Permit No. _____

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement

☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☐ Domestic ☐ Irrigation ☐ Test

☒ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☐ Cable ☒ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth 513 feet

Casing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>250</u> inches	<u>10.75</u> inches	<u>-2</u> feet	<u>180.5</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☒ No

Perforated? ☐ Yes ☒ No

How perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 160 feet

Material used in seal ☒ Cement grout ☒ Puddling clay

7. WATER LEVEL

Static water level 120 feet below land surface

Flowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

8. WELL TEST DATA

☒ Pump ☐ Bailer ☐ Other

Discharge G.P.M.	Draw Down	Hours Pumped
<u>100</u>	<u>to 305 feet</u>	<u>6</u>

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
<u>14 1/2</u>	<u>0</u>	<u>21</u>			
<u>17</u>	<u>0</u>	<u>21</u>			
<u>12 1/2</u>	<u>21</u>	<u>169</u>			
<u>10</u>	<u>169</u>	<u>503</u>			
<u>6</u>	<u>503</u>	<u>513</u>			
	<u>0</u>	<u>1</u>	dirt		
	<u>1</u>	<u>160</u>	gumbo black clay		
	<u>160</u>	<u>168</u>	hard black rock		
	<u>160</u>	<u>169</u>	brown and softer rock		
	<u>169</u>	<u>231</u>	black and harder		
	<u>231</u>	<u>240</u>	brown and softer basalt	x	
	<u>240</u>	<u>249</u>	black and harder basalt		
	<u>249</u>	<u>253</u>	med hard color changed to	x	
			brown		
	<u>253</u>	<u>259</u>	possible increase in water	x	
	<u>259</u>	<u>276</u>	grey and hard basalt		
	<u>276</u>	<u>288</u>	softer with increase in water		x
	<u>288</u>	<u>306</u>	softer greenish in color		
	<u>306</u>	<u>328</u>	somewhat harder (basalt)		
	<u>328</u>	<u>337</u>	softer greenish sh color		
	<u>337</u>	<u>350</u>	hard black basalt		
	<u>350</u>	<u>360</u>	still hard with more brown		
			seams in rock		
	<u>360</u>	<u>401</u>	Noticeably more brown in color		
	<u>401</u>	<u>403</u>	Water turned greenish still hard		
	<u>403</u>	<u>411</u>	Gray colored water again		
	<u>411</u>	<u>429</u>	harder black rock		
	<u>429</u>	<u>434</u>	softer clay and rock		
	<u>434</u>	<u>448</u>	still soft though getting darker		
	<u>448</u>	<u>468</u>	blackier rock but still soft		
	<u>468</u>	<u>470</u>	wood chips (one 3" root) with rock.		

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name DARREL FRENCHAddress 410 DEXTER PULLMAN, WASH.

Owner's Permit No. _____

7. WATER LEVEL

Static water level 60 feet below land surfaceFlowing? ☐ Yes ☒ No G.P.M. flow _____

Temperature _____ ° F. Quality _____

Artesian closed-in pressure _____ p.s.i.

Controlled by ☐ Valve ☐ Cap ☐ Plug

2. NATURE OF WORK

☒ New well ☐ Deepened ☐ Replacement☐ Abandoned (describe method of abandoning)

3. PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Test☐ Municipal ☐ Industrial ☐ Stock

4. METHOD DRILLED

☒ Cable ☐ Rotary ☐ Dug ☐ Other

5. WELL CONSTRUCTION

Diameter of hole 8 inches Total depth _____ feetCasing schedule: ☒ Steel ☐ Concrete

Thickness	Diameter	From	To
<u>4</u> inches	<u>8</u> inches	<u>+1</u> feet	<u>105</u> feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet
_____ inches	_____ inches	_____ feet	_____ feet

Was a packer or seal used? ☐ Yes ☒ NoPerforated? ☐ Yes ☒ NoHow perforated? ☐ Factory ☐ Knife ☐ Torch

Size of perforation _____ inches by _____ inches

Number	From	To
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet
_____ perforations	_____ feet	_____ feet

Well screen installed? ☐ Yes ☒ No

Manufacturer's name _____

Type _____ Model No. _____

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Diameter _____ Slot size _____ Set from _____ feet to _____ feet

Gravel packed? ☐ Yes ☐ No Size of gravel _____

Placed from _____ feet to _____ feet

Surface seal? ☒ Yes ☐ No To what depth 105 feetMaterial used in seal ☐ Cement grout ☒ Puddling clay

8. WELL TEST DATA

☐ Pump ☒ Bailor ☐ Other

Discharge G.P.M.

Draw Down

Hours Pumped

15201

9. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
8"	0	173			
"	0	1	TOP SOIL		X
"	1	40	BROWN CLAY		X
"	40	50	BROWN CLAY WITH GRAVEL		X
"	50	52	GREY CLAY		X
"	52	80	LIGHT GREY CLAY WITH GRAVEL		X
"	80	84	BLACK CLAY		X
"	84	104	BLACK CLAY WITH GRAVEL		X
"	104	107	BROKEN BASALT	X	
"	107	165	BASALT HARD		X
"	165	173	BROKEN BASALT	X	

State law requires that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

WELL DRILLER'S REPORT

shall be that this report be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

[illegible]

WELL DRILLER'S REPORT

This report shall be filed with the State Reclamation Engineer
Within 30 days after completion or abandonment of the well.

1. WELL OWNER

Name

5th UNIT

Address

123

County

2. NATURE OF WORK

New well ☐ Existing well ☒ Replacement

Abandonment ☐ Rehabilitation ☐ (Abandonment)

3. WATER LEVEL

Static water level *25* feet below land surface

Flowing ☐ G.P.M. flow *100*

Temperature *60* F. Quality *Good*

Artesian closed ☐ Pressure *100* p.s.i.

Controlled by ☐ Valve ☒ Cap ☐ Plug

4. WELL TEST DATA

Test pump ☐ Bailor ☒ Other *1*

Time	Flow	Drawdown	Remarks
1:00	100	25	
2:00	100	25	
3:00	100	25	
4:00	100	25	
5:00	100	25	
6:00	100	25	
7:00	100	25	
8:00	100	25	
9:00	100	25	
10:00	100	25	
11:00	100	25	
12:00	100	25	

5. LITHOLOGIC LOG

Hole Diam.	Depth		Material	Water	
	From	To		Yes	No
6"	0	10	SHALE LOAM BALD		
6"	10	30	GRAVEL		
6"	30	80	HARD BAS		
6"	80	85	CLAY		
6"	85	90	WATER		

6. PROPOSED USE

Irrigation ☐ Domestic ☐ Stock ☐

Industrial ☐ Municipal ☐ Stock ☐

7. METHOD DRILLED

Cable ☐ Rotary ☒ Dug ☐ Other ☐

8. WELL CONSTRUCTION

Material	Diameter	Depth	Remarks
Steel	6"	0-10	
Concrete	6"	10-30	
Steel	6"	30-80	
Concrete	6"	80-85	
Steel	6"	85-90	

Well packer installed ☐ Yes ☒ No

Perforated ☐ Yes ☒ No

Factory ☐ Khaf ☐ Torch

Size of perforation *1/4* inches by *1/4* inches

From *0* feet to *10* feet

From *10* feet to *30* feet

From *30* feet to *80* feet

From *80* feet to *85* feet

From *85* feet to *90* feet

Well clean installed ☐ Yes ☒ No

Model No. *1*

Set from *0* feet to *10* feet

Set from *10* feet to *30* feet

Set from *30* feet to *80* feet

Set from *80* feet to *85* feet

Set from *85* feet to *90* feet

REPORT OF WELL DRILLER
State of Idaho

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:

Name City of Potlatch Idaho

Address _____

Owner's Permit No. _____

NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐

Water is to be used for: Municipality

METHOD OF CONSTRUCTION: Rotary ☒ Cable ☐
Dug ☐ Other _____

(explain)
CASING SCHEDULE: Threaded ☐ Welded ☒
8-5/8" Diam. from 2 ft. to 680 ft.
6-5/8" Diam. from 664 ft. to 775 ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
Thickness of casing: .250" Material: _____

Steel ☒ concrete ☐ wood ☐ other ☐

(explain)
PERFORATED? Yes ☒ No ☐ Type of
perforator used: _____

factory perforations
Size of perforations: 3/16" by 3"
600 perforations from 380 ft. to 420 ft.
perforations from _____ ft. to _____ ft.
1600 perforations from 580 ft. to 680 ft.
1200 perforations from 680 ft. to 775 ft.
WAS SCREEN INSTALLED? Yes ☐ No ☒

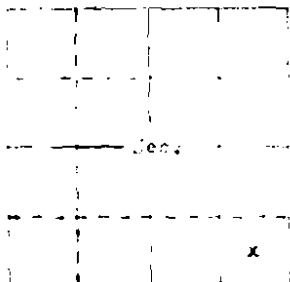
Manufacturer's name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel
placed from _____ ft. to _____ ft. Surface seal
provided? Yes ☐ No ☐ To what depth?
_____ ft. Material used in seal: _____

Did any strata contain unusable water? Yes ☐
No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing
strata off: _____

Surface casing used? Yes ☐ No ☒
Cemented in place? Yes ☐ No ☐

locate well in section



LOCATION OF WELL: County Latah
T. 35 S. R. 5 E. S. 2 E.

Size of drilled hole: 10 inch Total
depth of well: 775 Standing water
level below ground: 44 feet Temp. _____
Fahr. 62 ° Test delivery: 400 gpm
or _____ cfs Pump? _____ Ball _____ air
Size of pump and motor used to make test: _____

Length of time of test: 5 Hrs. 10 Min.
Drawdown: 200 ft. Artesian pressure: _____ ft.
above land surface Give flow _____ cfs
or _____ gpm. Shutoff pressure: _____
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☐

DEPTH FROM TO FEET FEET	MATERIAL	WATER YES OR NO
0 3	dirt	
3 13	cracked basalt	
13 35	hard solid basalt	
35 60	soft red rock becoming purple then	
60 88	hard basalt; greenish then gray	
88 108	soft brown basalt	
108 110	med hard greenish basalt	
110 120	soft red rock (mucky)	
120 140	blue basalt	
140 155	brown and softer	
155 194	harder basalt; greenish	
194 196	gold clay and very soft.	
196 200	red clay and very soft.	
200 212	soft brown basalt	
212 274	hard basalt; grey	
274 288	soft yellow and green sh. lt.	
288 410	hard basalt; grey	
410 413	hard green shale	
413 430	hard basalt again	
430 432	brown clay or very soft shale	
432 438	soft basalt	
438 467	soft brown clay or shale	
467 481	white sandy clay	
481 507	loose formation (cavernous basalt)	42 gpm
507 587	very hard b. or basalt soft sky blue shale rocks.	
587 620	hard grey shale	
620 670	grey clay or soft shale.	
670 761	grey shale gravel with gold and grey blue mixture	
761 768	higher % of gold rocks (50%)	
768 770	hard layer of pure gold shale	
770 775	yellow gold shale gravel	400 gpm

Work started: August 13, 1968
Work finished: November 25, 1968 (30 day moveout)
Well Driller's Statement: This well was
drilled under my supervision and this report
is true to the best of my knowledge.
Name: Charles Uhlenkott

Address Idaho

Signed by: _____
License No. 125 Date: Dec. 30, 1968

Use other side for additional remarks

USGS

THIS IS TO CERTIFY THAT THE FOLLOWING PERSONS HAVE BEEN EXAMINED AND FOUND TO BE IN GOOD HEALTH AND FIT FOR SERVICE:

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

NAME: [illegible]
GRADE: [illegible]
DATE: [illegible]

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GRADE: [illegible]
DATE: [illegible]

REPORT OF WELL DRILLER State of Idaho

RECEIVED
FEB 10 1968

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Paul M. Smith
Address Salida, Idaho

OWNER'S Permit No. _____
NATURE OF WORK (check): Replacement well ☐
New well ☒ Abandoned ☐
Well to be used for: Domestic use

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Dug ☐ Other ☐ (explain)

CASING SCHEDULE: Threaded ☐ Welded ☒
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
"Diam. from _____ ft. to _____ ft.
Thickness of casing: _____ Material: _____
Steel ☒ Concrete ☐ Wood ☐ Other ☐

PERFORATIONS: Yes ☐ No ☒ Type of perforator used: _____

Size of perforations: " by "
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

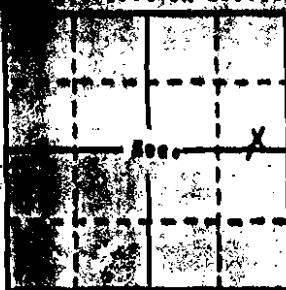
WIRE SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name _____

Type _____ Model No. _____
Diam. _____ Size _____ Set from _____ ft. to _____ ft.
Diam. _____ Size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☒
No ☐ Size of gravel _____ Gravel placed from _____ ft. to _____ ft. Surface seal provided? Yes ☒ No ☐ To what depth? _____
Material used in seal: _____

Did any strata contain unusable water? Yes ☐ No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing strata off: _____

Surface casing used? Yes ☒ No ☐
Cement in place? Yes ☐ No ☒
Is well in section



LOCATION OF WELL: County Salida
S. 14 N. 24 E. 2 P. 2 W. 2 R. 2 S. 2 E.

Use other side for additional remarks

Size of drilled hole: 8" Total depth of well: 141' Standing water level below ground: 27' Temp. Fahr. _____ ° Test to _____ ft. or _____ g.p.m. Pump? ☒ No ☐ Size of pump and motor: _____ Make test: _____
Casing schedule of test: _____ ft. Drawdown _____ ft. Artesian pressure: _____ ft. above land surface _____ g.p.m. or _____ g.p.m. Shut-off pressure: _____ Controlled by: Valve ☐ Cap ☐ Plug ☐ No control ☐ Does well leak around casing? Yes ☐ No ☒

DEPTH	MATERIAL	WATER YES OR NO
FROM	TO	
FEET	FEET	
0	1	black dirt
1	2	black dirt
2	3	black dirt
3	4	black dirt
4	5	black dirt
5	6	black dirt
6	7	black dirt
7	8	black dirt
8	9	black dirt
9	10	black dirt
10	11	black dirt
11	12	black dirt
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89	90	black dirt
90	91	black dirt
91	92	black dirt
92	93	black dirt
93	94	black dirt
94	95	black dirt
95	96	black dirt
96	97	black dirt
97	98	black dirt
98	99	black dirt
99	100	black dirt

Work started: Jan 1, 1968
Work finished: Jan 1, 1968
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: Paul M. Smith
Address: Salida, Idaho
Phone: 244-1111

USGS

REPORT OF WELL DRILLER State of Idaho

RECEIVED

State law requires that this report shall be filed with the State Reclamation Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name DALE CONE
Address LOT 14th IDAHO

Owner's Permit No. _____
NATURE OF WORK (check): Replacement well ☐
New well ☒ Deepened ☐ Abandoned ☐
Alter is to be used for: Water
METHOD OF CONSTRUCTION: Rotary ☒ Cable ☐
Dug ☐ Other ☐ (explain) _____

CASING SCHEDULE: Threaded _____ Welded _____
"Dian. from 0 ft. to 20 ft.
"Dian. from 20 ft. to 38 ft.
"Dian. from _____ ft. to _____ ft.
"Dian. from _____ ft. to _____ ft.
Thickness of casing: 2.50 Material: _____
Steel ☒ concrete ☐ wood ☐ other ☐

(explain) _____
PERFORATED? Yes ☐ No ☒ Type of perforator used: _____

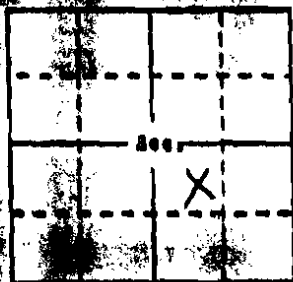
Size of perforations: _____ " by _____ "
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

VALVE SOLENS INSTALLED? Yes ☐ No ☐
Manufacturer's name _____
Type _____ Model No. _____
Dian. slot size set from _____ ft. to _____ ft.
Dian. slot size set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel placed from _____ ft. to _____ ft. Surface seal provided? Yes ☐ No ☐ To what depth? _____ ft. Material used in seal: _____

Did any strata contain unusable water? Yes ☐
No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing strata off: _____

Surface casing sealed? Yes ☒ No ☐
Cemented in place? Yes ☐ No ☒
Leaky well in question



LOCATION OF WELL: County Blaine
1/4 Sec. 3 T. 4 N. R. 5 E.

Size of drilled hole: 8
depth of well: 40 Standing water level below ground: _____ Temp. _____ Fahr. _____
Test delivery: _____ gpm
or _____ cfs Pump? ☐ Sill ☒
Size of pump and motor used to make test: _____

Length of time of test: _____ hrs. _____ min.
Drawdown: _____ ft. Artesian pressure: _____ ft. above land surface. Give flow _____ cfs or _____ gpm. Shutoff pressure: _____
Controlled by: Valve ☐ Cap ☐ Plug ☐
No control ☐ Does well leak around casing? Yes ☐ No ☒

DEPTH	MATERIAL	WATER
FROM TO		YES OR NO
FEET FEET		
0 20	Silt & clay	yes
20 38	Gravel & sand	no
38 40	Gravel & sand	yes
40 42	Hard gravel	no

Work started: Nov 29 1967
Work finished: Nov 29 1967
Well Driller's Statement: This well was drilled under my supervision and this report is true to the best of my knowledge.
Name: GERALD ARCOLL
Address: _____
Signed by: Gerald Arcoll
License No. 115 Date: 11/29/67

Use other side for additional remarks

USC

REIVED

WELL NUMBER: 10740
 LOCATION: 10740

Explanation
 12 1953

Size of drilled hole: 4 - Total
 depth of well: 550 - Standing water
 level below ground: 20 Temp.

Fahr. Test delivery: 20 gpm

Make test

Pressure: ft

Flow: gpm

Plug

around casing

WATER

YES OR NO

FEET FEET

30 SAND & GRAVELS

200 LIME

250 SAND & GRAVELS

270 SAND & GRAVELS

290 SAND & GRAVELS

310 SAND & GRAVELS

330 SAND & GRAVELS

350 SAND & GRAVELS

370 SAND & GRAVELS

390 SAND & GRAVELS

410 SAND & GRAVELS

430 SAND & GRAVELS

450 SAND & GRAVELS

470 SAND & GRAVELS

490 SAND & GRAVELS

510 SAND & GRAVELS

530 SAND & GRAVELS

550 SAND & GRAVELS

570 SAND & GRAVELS

590 SAND & GRAVELS

610 SAND & GRAVELS

630 SAND & GRAVELS

650 SAND & GRAVELS

670 SAND & GRAVELS

690 SAND & GRAVELS

710 SAND & GRAVELS

730 SAND & GRAVELS

750 SAND & GRAVELS

770 SAND & GRAVELS

790 SAND & GRAVELS

810 SAND & GRAVELS

REPORT OF WELL DRILLING State of Idaho

Department of Geology and Mineral Resources

If the law requires that this report shall be filed with the State Registration Engineer within 30 days after completion or abandonment of the well.

WELL OWNER:
Name Isabel Ranch Inc.
Address North Valley
Pocatello Idaho

Owner's Permit No. _____
NATURE OF WORK (check): ☒ Replacement well
New well ☒ Deepened ☐ Abandoned ☐

Water is to be used for: Domestic use

METHOD OF CONSTRUCTION: Rotary ☐ Cable ☒
Sag ☐ Other _____ (explain)

CASING SCHEDULE: Threaded _____ Welded ☒
2" Diam. from 1 ft. to 153 ft.
1" Diam. from 153 ft. to 162 ft.
1" Diam. from _____ ft. to _____ ft.
1" Diam. from _____ ft. to _____ ft.
Thickness of casing: 150 Material:
Steel ☒ concrete ☐ wood ☐ other ☐

(explain)
PERFORATED? Yes ☒ No ☐ Type of
perforator used: Atom

Kind of perforations: _____ by _____
perforations from 8 ft. to 17 ft.
perforations from 17 ft. to 18 ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

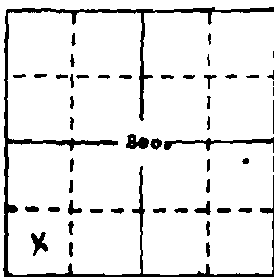
WIRE SCREEN INSTALLED? Yes ☐ No ☒
Manufacturer's name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

CONSTRUCTION: Well gravel packed? Yes ☐
No ☒ size of gravel _____ Gravel
placed from _____ ft. to _____ ft. Surface seal
provided? Yes ☒ No ☐ To what depth?
_____ ft. Material used in seal: drill shale

Did any strata contain unusable water? Yes ☐
No ☒ Type of water: _____
Depth of strata _____ ft. Method of sealing
strata off: _____

Surface casing used? Yes ☒ No ☐
Cemented in place? Yes ☐ No ☒

Locate well in section



LOCATION OF WELL: County Pocatello
SW 1/4 Sec. 12 T. 41 N. R. 6 E.

Size of drilled hole: 8 1/2" Test
Depth of well: 170 ft. Drilling under
level below ground: 18 ft. Temp. _____
Fahr. _____ Test delivery: 10 gpm
or _____ cfs Pump? ☐ Bail ☒
Size of pump and motor used to make test: _____

Length of time of test: _____ hrs. _____ min.
Drawdown: _____ ft. Artesian pressure: _____ ft.
above land surface Gage flow _____ cfs
or _____ gpm. Shutoff pressure: _____
Controlled by: Valve ☐ Cyl ☐ Plug ☐
No control ☐ Does well leak around casing?
Yes ☐ No ☐

DEPTH FROM TO	MATERIAL	WATER YES OR NO
0 2	dirt	-
2 3	gray clay	-
3 3.3	rock	-
3.3 4.8	clay fine sand	-
4.8 6.6	sand	-
6.6 7.2	clay and sand	-
7.2 7.8	clay and gravel	some
7.8 10.0	drill mud and rock	-
10.0 12.0	rock	-
12.0 15.3	clay rock and brown rock	-
15.3 17.0	gray rock and clay	-
17.0 18.2	light to dark	some
18.2 25.3	gray clay	-
25.3 30.2	light to dark	-
30.2 33.2	clay and gravel	-
33.2 34.0	well rock clay and gravel	-
34.0 36.1	clay and gravel	-
36.1 37.0	rock	-

Work started: Aug 31, 1967
Work finished: Oct 10, 1967
Well Driller's Statement: This well was
drilled under my supervision and this report
is true to the best of my knowledge.
Name: A. E. Brady, well drilling
Address: Ph 3 Box 100, Pocatello, Idaho
Signed by: A. E. Brady
License No. 15 Date: Oct 10, 1967

See other side for additional remarks

USGS

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IOWA

Depth 200 ft.

Date March 21, 1961

Well No. _____

County No. _____

(SEE REVERSE SIDE)

Owner City of Pella, Ia. Test Address Pella, Ia.

Driller Midland Drilling Co. Address P. O. Box 627 Phone No. 247

Location of Well S.E. 1/4, Sec. 1, T. 41 N., R. 10 E., S. 2 W., Pella, Iowa

and 220 ft. S.W. 1/4, Sec. 1, T. 41 N., R. 10 E., S. 2 W., Pella, Iowa

and 220 ft. S.W. 1/4, Sec. 1, T. 41 N., R. 10 E., S. 2 W., Pella, Iowa

Size of Bored Hole 10" x 6" x 3 Total depth of Well 204 ft.

Give depth of standing water from surface Six feet Water Temp. Not taken (Standard)

On pumping test delivery was 25 g.p.m. or c.f.s. Headrun was 115 feet

Size of pump and water used to make the test 180 G P H - 5" Turbine

Length of time pumped during check was 100 hr., _____ minutes.

If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____

If flowing well, describe control works _____ (TYPE AND SIZE OF VALVE, ETC.)

Water will be used for Test hole Weight of casing per linear foot 5" - 12.15; 10" - 22.70

Thickness of casing .312 Casing material Steel (S.E. PIPE COMPANY, MOON.)

Diameter, length and location of casing 10" - 43'; 12" - 8'; 10" - 4'

(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

Number and size of perforations _____ located _____ feet to _____ feet from surface of ground.

Other perforations _____

Date of commencement of well Feb. 1, 1961 Date of completion of well March 20, 1961

Type of well rig 22H - Cable

CASING RECORD

DATE LADDED	FROM FOOT	TO FOOT	LENGTH	"REMARKS" -- SCALE, CRACKING, ETC.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Casing was all removed from this hole and hole was backfilled with clay then cemented at 25 ft. with three sacks cement.

SWSE 5.1 41N 5W

[illegible]

This was sworn under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

BY Paul J. [Signature]
 Date: 10/10/1964 File # 77-1000
 Page No. 317

Serial 19 July 1941

WELL LOG AND REPORT TO THE STATE RECLAMATION ENGINEER OF IDAHO

Log No. _____
Sec'd _____ 19 ____
Well No. _____
Permit No. _____

DO NOT FILL IN

Owner City of Potlatch #1 Test Address Potlatch, Idaho
Driller Vidlan Drilling Co. Address P. O. Box 637 Lic. No. 147
Location of Well S. W. 1/4 S. E. 1/4 Sec. 1 T. 41 N. R. 2 E. S. W. Payette County.
and 220 feet N/S, and _____ feet E/W from _____ Corner of _____ 1/4 Sec. _____
Size of Drilled Hole 10" x 8" x 2 Total depth of Well 254 ft.
Give depth of standing water from surface Six feet Water Temp. Not taken °Fahrenheit
On pumping test delivery was 25 g.p.m. or _____ c.f.s. Drawdown was 115 feet
Size of pump and motor used to make the test 150 G.P.M. - 5" Turbine
Length of time pumped during check was 179 hr. _____ minutes.
If flowing well, give flow in c.f.s. _____ or g.p.m. _____ and shut in pressure _____
If flowing well, describe control works _____
Water will be used for Test hole Weight of casing per linear foot 8"-12.198; 10"-32.754
Thickness of casing .312 Casing material Steel
Diameter, length and location of casing 10"-12'; 137'-4"; 190'-6"
Number and size of perforations _____ located _____ feet to _____ feet
from surface of ground.
Other perforations _____
Date of commencement of well Feb. 1, 1961 Date of completion of well March 30, 1961
Type of well rig 22K - Cable

CASING RECORD

DIAM. CASING	FROM FEET	TO FEET	LENGTH	REMARKS SCALES GROUTING, ETC.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

Casing was all removed from this hole and hole was backfilled with clay then cemented
at 25 ft. with three sacks cement.

11 5 51 - V 5 W

[illegible]

This well was drilled under my jurisdiction and the above information is true and correct to the best of my knowledge and belief.

By Charles Jungmann, Vice President

. 1961 .

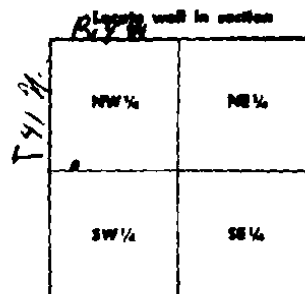
License No. 147

RECEIVED
SEP 21 1962

WELL LOG AND REPORT OF THE
STATE RECLAMATION ENGINEER OF IDAHO

Department of Reclamation

Permit No. 244 Well No. 1 County Latah
Owner Henry B. Richter
Address Bruneau Idaho
Driller Chas Olson Well Drilling
Address Idaho 354
Well location 1/4 Sec 12 T. 2 N. 4 R. 4 NW
Size of drilled hole 6"



Total depth of well 10
Give depth to standing water from the ground 18 Water temp. 54 Fahr.
On "Pumping Test" delivery was g.p.m. or c.f.s. Drawdown was 10 feet.
Size of pump and motor used to make test 10 gal water
Length of time of test 1/2 hours minutes
If flowing well, give flow c.f.s. or g.p.m. and of shut off pressure
If flowing well, described control works
Water will be used for domestic Weight of casing per linear foot 12
Thickness of casing OT. 6" Casing material STEEL CONCRETE WOOD ETC
Diameter, length and location of casing 6" 54' - 53' - 5"
(CASING 12" IN DIAMETER OR LESS GIVE INSIDE DIAMETER)
(CASING OVER 12" IN DIAMETER GIVE OUTSIDE DIAMETER)

CASING RECORD

Diam. Casing	From Feet	To Feet	Length	Remarks—seals, grouting, etc.
6"	0	52	54	
5"	47	110	53	liner with 10 ft of perforation in the 10 ft rock at bottom of well.

Number and size of perforations 1/2 inch located 90 feet to 100 feet from ground

Date of commencement of well Sept 7 1962 Date of completion of well Sept 14 1962

SW NW 5.10 4.14 NW

WELL LOG		Type of Material	Depth in Feet	Dip in Degrees	Remarks
From Foot	To Foot				
0	25	top soil and gravel sand.			
25	54	small amount of chert nodules and clay			
54	63	coarse sand.			
63	72	yellow. gray yellow clay.			
72	76	black cement sand.			
76	83	gray sticky clay.			
83	90	red clay.			
90	100	red brown basalt rock.			
		water comes in to 15' above ground.			
		can't bail down with 10 gal bail.			

If more space is required use Sheet No. 2

WILL DRILLEN'S STATEMENT

This wall was drilled under my supervision and the above information is true and correct to the best of my knowledge and belief.

10-10-1964

License No. 214

THE SECRETARY OF THE ARMY
WASHINGTON, D. C. 20315

TO: THE SECRETARY OF THE ARMY

FROM: THE SECRETARY OF THE ARMY

SUBJECT: THE SECRETARY OF THE ARMY

DATE: THE SECRETARY OF THE ARMY

RE: THE SECRETARY OF THE ARMY

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WILLIAM

WILLIAM



1. The first of these is the fact that the
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18. The eighteenth is the fact that the
19. The nineteenth is the fact that the
20. The twentieth is the fact that the

WILLIAM

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WILLIAM

Penelope

Well Location

100

STATE OF IDAHO
BUREAU OF MINING ENGINEERS OF IDAHO

NAME	NEW
ADDRESS	NEW
CITY	NEW
STATE	NEW

STATE OF IDAHO
BUREAU OF MINING ENGINEERS OF IDAHO
CERTIFICATE OF REGISTRATION
I hereby certify that the following named person is a duly qualified and licensed mining engineer under the laws of the State of Idaho.
Name: JOHN C. WOODRICK
Address: [illegible]
City: [illegible]
State: [illegible]
Date of Registration: [illegible]

Date of Commission: [illegible] State of Idaho, [illegible] A.D. 19[illegible]

WELL LOG

Depth Feet	Description	Remarks
0	Surface	
1	10 ft. sand	
2	10 ft. sand	
3	10 ft. sand	
4	10 ft. sand	
5	10 ft. sand	
6	10 ft. sand	
7	10 ft. sand	
8	10 ft. sand	
9	10 ft. sand	
10	10 ft. sand	
11	10 ft. sand	
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100	10 ft. sand	

WELL OWNER'S STATEMENT

I, the undersigned, being a resident of the State of California and the above information is complete, true and correct to the best of my knowledge and belief.

Philip Allen

1949

APPENDIX C:
Telephone Log

Telephone interviews conducted by Kim Custer
Idaho Department of Health and Welfare
Division of Environment
Hazardous Materials Bureau
Boise, Idaho

5-16-89

Dale Geaudreau
North Central District Health Department
799-3120

Old Potlatch Mill

- Was largest white pine mill in North America.
- 80 acres.
- Closed late 1970's.
- Demo crew came in to remove it - only remnants of foundations left.
- Had some asbestos.
- City Clerk may have information.
- Anyone who used to work there might know operation.
- Bill Hart, Potlatch Corporation, was up there while it was being closed.

Potlatch City Clerk
875-0708

- Potlatch Corporation, Lewiston, does own the property.
- The County Tax Assessor is in Moscow (882-8580).
- Calvin Hochszner (875-0183) used to work at the old mill.

Calvin Hochszner
875-0183

- Doesn't know of any wood treating at the mill. He worked trucks in shed area.
- Earl Brown, Clerk, (address unknown) might know.

Telephone Interviews Continued

5-17-91

Latah County Tax Assessor

- South side of highway.
- Potlatch does own it - (1905/1906 to now).
- 2 parcels - 217.25 acres, 110.46 acres.

5-25-89

**Potlatch Corporation
799-0123**

- Size?
- Wood treatment?
- Call Bill Dameworth

5-26-89

**Bill Dameworth
799-1519**

- Can't find any evidence of any kind of dipping in the past.
(Cedar does not need treatment; naturally insect resistant.)

5-30-89

**Rich Gabriel
Latah County Office, NCDHD, Moscow**

- Doesn't think there was any wood treating done there.
- Shut down 1981?
- He will check around and get back to me.

APPENDIX F:
Miscellaneous Information

Aerial photograph of
Potlatch, Idaho - 1965

Photograph location referenced
by number



Potlatch - Large Mill
Potlatch, Idaho
(See aerial photo location key)



Photo 1: Closest residence looking north from site.



Photo 2: Palouse River looking southeast from site.



Photo 3: Soil staining near
boilers. Looking northwest.



Photo 4: Soil staining at
Railroad siding. Looking north.

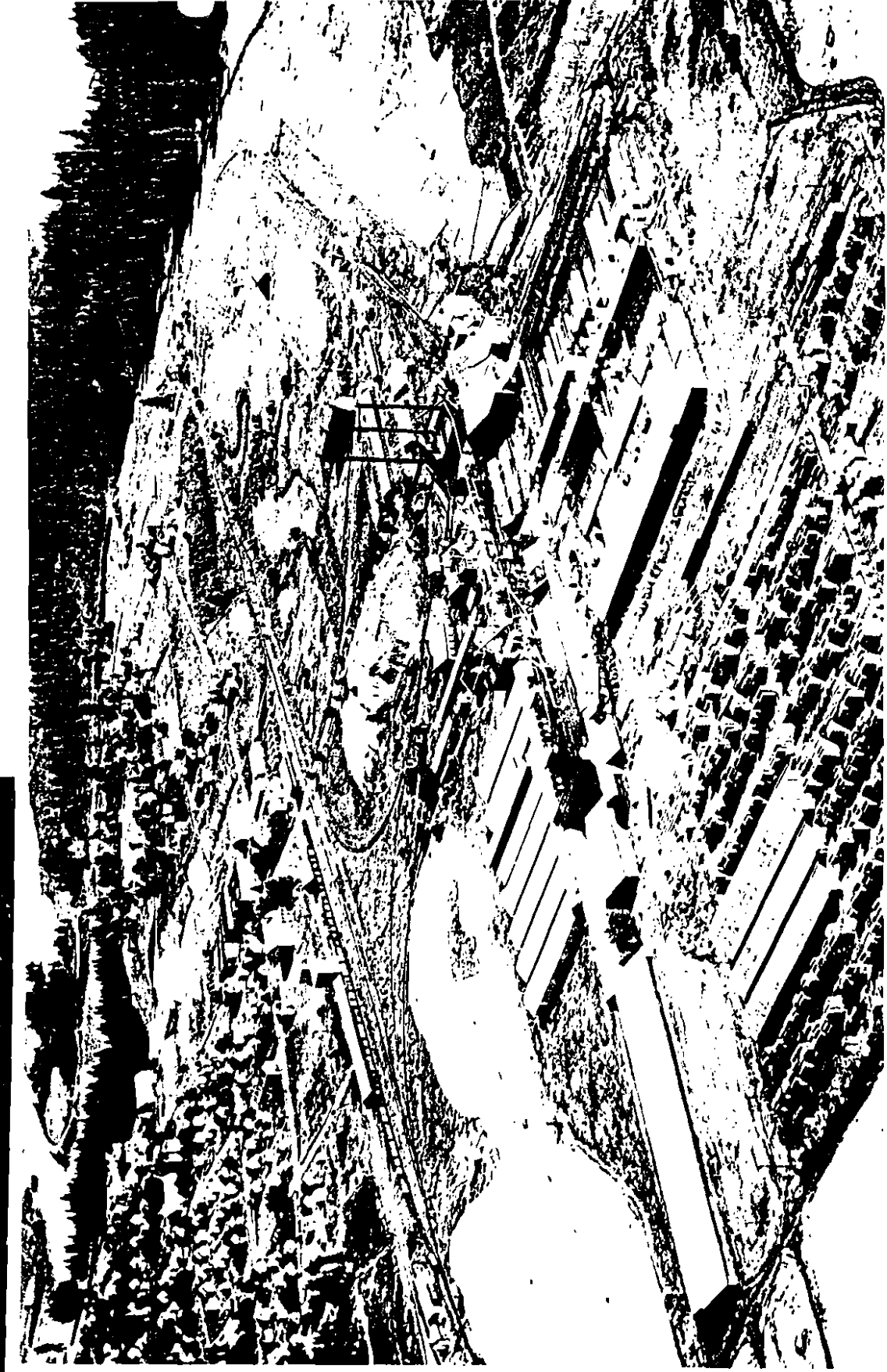


Photo 5: Ash deposits near
boilers. Looking north.

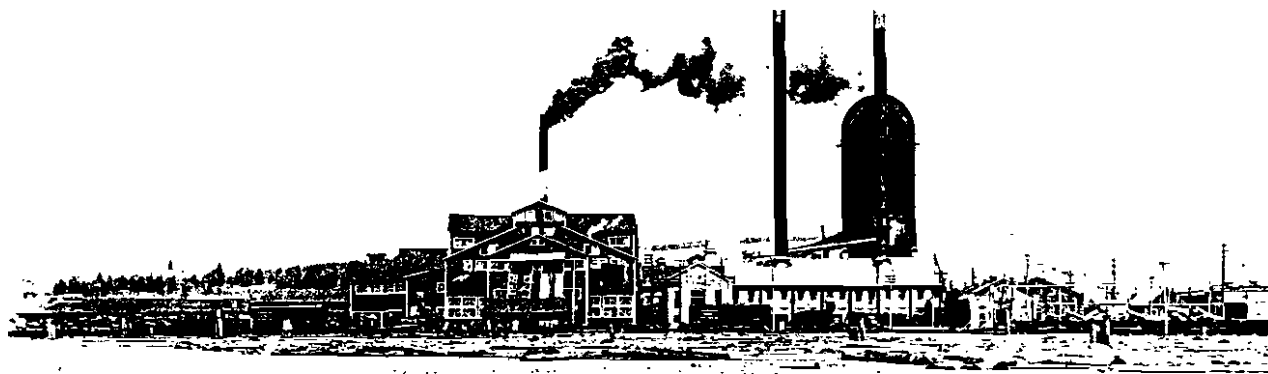


Photo 6: Oily deposits appear
to be affecting vegetation.
Located near dry kiln.

TREMENDOUS strides have been made in the last half century at Pottlatch. The original mill, as it appeared in 1906, is seen at left. The present plant, with many of the original buildings still standing, is below.



Fascinating yarns about the rugged men who built Pottlatch Forests, Inc. are being retold now, as the company celebrates



Potlatch Mill—One of the Largest
Sawmills in the United States.

Potlatch Lumber Company,

Potlatch, Idaho.



Palouse River looking toward
Princeton, Idaho



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1118 "F" Street, Lewiston, ID 83501-1986, (208) 799-4370

Philip E. Balti Governor

March 13, 1996

Mr John Emery
Environmental Engineer
Potlatch Corporation, Wood Products Division
PO Box 1016
Lewiston, ID 83501-1016

RE: Petroleum Soil Cleanup at Potlatch Forest, Inc. Former Facility Located at Potlatch,
ID (CERCLA IDD009069121)

Dear Mr Emery:

We have reviewed the final remediation report describing excavation and removal of stained soil at the former Potlatch Corporation lumber mill at Potlatch, Idaho. Stained soil areas were originally identified during a CERCLA Preliminary Assessment in August 1991.

Soil analysis did not detect the presence of volatile organic compounds (EPA method 8260), however, waste oil and diesel were detected up to 12,600 mg/kg. Confirmation soil samples taken after excavation meet Department petroleum soil cleanup standards. Approximately 460 cubic yards of petroleum contaminated soil were excavated and taken to the permitted Roach Company Petroleum Contaminated Soil treatment facility. It appears that the identified soil stained areas have been successfully remediated. In addition, a 500 gallon underground storage tank was removed during the same period and associated diesel contaminated soil was excavated and taken to the Roach facility.

We appreciate your professional assistance and desire to expediently remediate the site.

Sincerely,

Hudson Mann
Hazardous Waste Officer

xc: John Meyer-EPA R10, Seattle (Enclosure)

Potlatch

Potlatch Corporation
Wood Products, Western Division

P.O. Box 1016
Lewiston, Idaho 83501-1016
Telephone (208) 799-0123

December 13, 1995

RECEIVED
DEC 14 1995
IDHW-DEQ
LEWISTON (N.C.I.R.O.)

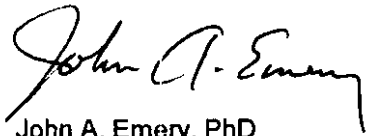
Mr. Hudson Mann
Hazardous Waste Compliance Officer
Division of Environmental Quality
1118 "F" Street
Lewiston, ID 83501-1986

Dear Mr. Mann:

Enclosed is the report you requested concerning our site investigations and remediation efforts at our former mill site at Potlatch, Idaho. We have investigated all areas that we have reason to believe may be contaminated, and we have cleaned up those areas found to be contaminated.

We greatly appreciate the assistance that you and Donnie Edwards have provided, relative to this work. Please let me know if you need any additional information.

Sincerely,



John A. Emery, PhD
Senior Environmental Engineer

cc: Jay Roach
John Currin

INVESTIGATION AND REMEDIATION OF PETROLEUM-CONTAMINATED AREAS AT POTLATCH CORPORATION'S FORMER SAWMILL SITE AT POTLATCH, IDAHO

December 12, 1995

BACKGROUND

The Potlatch, Idaho sawmill was constructed in 1906 and operated until 1981. The site, which comprises approximately 328 acres, also served as headquarters for the Washington, Idaho, and Montana Railroad. This railroad was originally built by Potlatch Corporation, but was sold to the WIM Railroad, then to the Milwaukee Railroad, and finally to the Burlington Northern Railroad. In 1983, all buildings and structures on the site were salvaged or demolished. Currently, only remnant foundations exist.

In 1991 a Preliminary Assessment of the site was conducted by the Idaho Department of Environmental Quality (IDEQ) for the U. S. Environmental Protection Agency, due to the presumed use of wood treatment compounds and other hazardous substances at the site. Although no direct evidence of the presence of hazardous substances was documented, the report identified two areas of stained soil and suggested further evaluation. A copy of the 1991 Assessment is provided as Appendix A.

In September of 1995, Potlatch employees and a representative of the IDEQ conducted an investigation of the site and identified several areas that warranted more detailed follow-up investigations. The remainder of this report summarizes the results of the follow-up investigations.

SITE ASSESSMENTS AND REMEDIATION ACTIVITIES

Three areas of concern were identified. These areas are described below, along with testing results and remediation activities. The locations of the areas are shown on the site map, Attachment 1. All soils that were contaminated at levels above 100 ppm were removed by Roach Construction Company and were hauled to its Lewiston PCS Landfarm site for treatment. Groundwater was not encountered in any of the excavations. All excavations were backfilled with clean rock and soil, taken from an unused log-storage area on site. All laboratory analyses were conducted by Anatek Laboratories, Moscow, ID. Copies of all original sampling reports and log sheets are provided in Appendix B.

Area 1 (excavation)

Samples from this area were designated with the letter A. This area is adjacent to the former Planer Mill and is one of the areas suggested for further evaluation in the 1991

Preliminary Assessment by IDEQ. Laboratory analyses indicated that the soil in this area was contaminated with oil (Sample Report No. 1, Appendix B). Further analyses indicated that neither volatile organics (Sample Rept. No. 2) nor heavy metals (Sample Rept. No. 4) were present in the contaminated soil. According to Paul Tobin, a former Business Manager at the Potlatch Mill, the contamination was due to hydraulic fluid that leaked from a "Package Maker," which compressed bundles of lumber for strapping.

It was necessary to remove 460 cubic yards of contaminated soil from this site to achieve cleanup levels of 100 ppm or less. The excavation was approximately 70' long, 20' wide and 8.5' deep. A diagram of the excavation, showing the sample locations and contamination levels, is provided as Attachment 2.

Area 2 (excavation)

The letters B and C were used for samples taken from this site; those samples that were taken before cleanup began were designated with the letter B, while those taken after cleanup began were designated with the letter C. This area was contaminated with diesel fuel associated with a 500-gallon storage tank. We were unaware of the existence of this tank, until September 19, 1995, when we were informed of it by employees of the City of Potlatch, who discovered it when they were excavating for a sewer line through the property during the summer of 1995. It was punctured about half way down on one end during the sewer line excavation, resulting in a spill of an estimated 100 gallons of diesel fuel (markings inside the tank indicated that the tank was about 3/4 full when the puncturing occurred). According to Rex Benson, a former Potlatch Mill employee who lives in Onaway, ID, this tank supported a Caterpillar Tractor which was used at the fuel pile. The soil around the tank was contaminated with diesel fuel, probably caused by the puncturing of the tank. Donnie Edwards of IDEQ was notified of the tank as soon as possible (on September 20, 1995), and the necessary Tank Registration forms were completed and sent to IDEQ on October 5, 1995. The tank was cleaned, flattened, and taken to a scrap dealer. The final UST Closure and Assessment Form was sent to IDEQ on December 12, 1995, and is provided in Attachment 3.

It was necessary to remove 162 cubic yards of contaminated soil from this site to achieve residual levels below 100 ppm. A diagram of the excavation, showing the sample locations and contamination levels, is provided in Attachment 3.

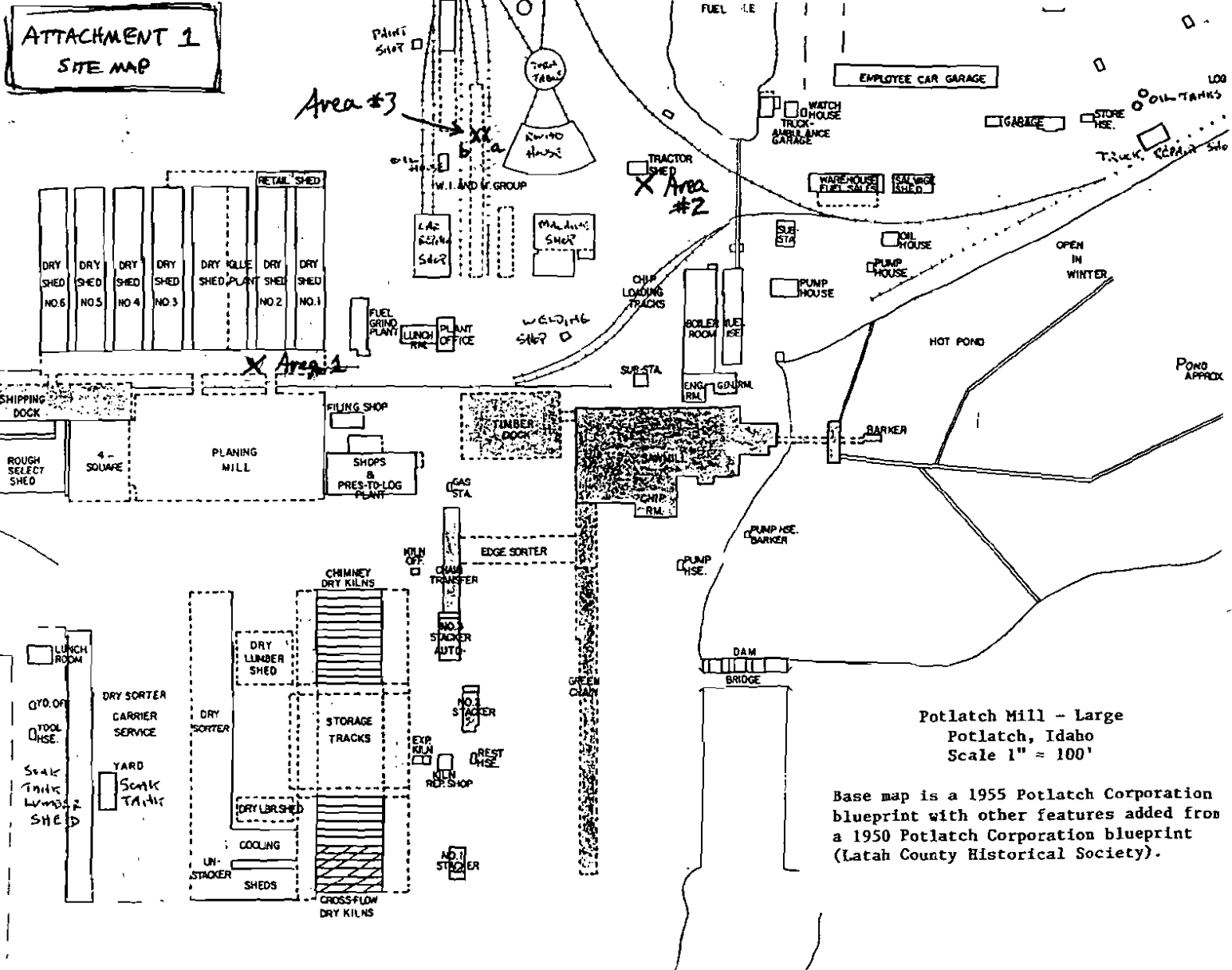
Area 3 (samples only)

Samples were taken from two locations in Area 3, designated 3a and 3b on the site map, Attachment 1. Samples from Area 3a and 3b were designated with the letters D and E, respectively. This area is located near the former railroad roundhouse. The

ground in this area (approximately 30' square) is covered with about one inch of tar with the consistency of asphalt. According to Paul Tobin, the former Business Manager at the mill, the "tar" is probably a residue from the bunker-C fuel that was stored in an above-ground tank nearby and was used by locomotives.

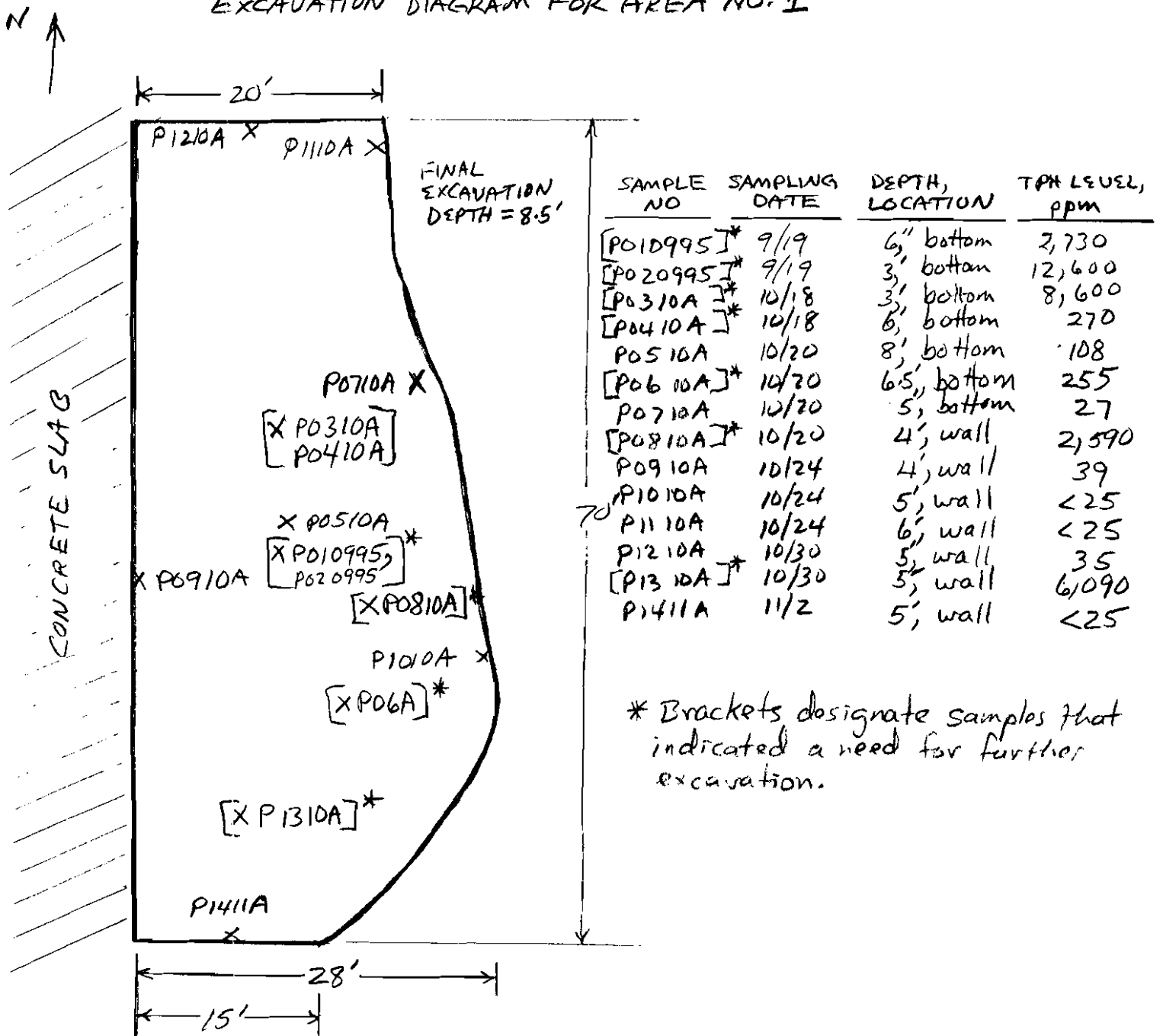
Soil samples were taken to determine if lighter weight fractions of the fuel oil are present in the soil. Location 3a was directly on a railroad track grade; whereas, Location 3b was about 4 feet away (northwest) from the tracks. The sample for Location 3a was taken at a depth of 6" between railroad ties, and it indicated a contamination level of 175 ppm TPH (See Sample Report No. 6, Appendix B). However, the soil adjacent to the track (Location 3b) at a 12" depth showed only 37 ppm TPH (Sample Rept. No. 7). It is probable that the soil on the railroad grade is contaminated with treating oils that leached from the railroad ties, thus explaining the higher TPH levels found there. This area is not considered sufficiently contaminated to warrant cleanup.

ATTACHMENT 1
SITE MAP



ATTACHMENT 2

EXCAVATION DIAGRAM FOR AREA NO. 1



ROACH CONSTRUCTION COMPANY

~~WASHINGTON~~ UST CLOSURE AND SITE ASSESSMENT FORM

ASSESSMENT CONDUCTED BY: JAY ROACH

SITE NAME: Old Potlatch Mill SiteSITE ADDRESS: Potlatch IdahoCOUNTY: LatahOWNER CONTACT: John Emery Potlatch Corp.PHONE: 208.799.1223FACILITY TYPE: Former Saw MillSURROUNDING LAND USE: Agriculture South and EastCity of Potlatch North and WestSOIL CHARACTERISTICS: Sandy loamDRAINAGE QUALITIES: FAIRUST HISTORY: Unknown - Tank was discovered while excavating for a Sewer Main. Punctured in backhoe bucketREMOVAL DATE: _____ NO. OF TANKS: 1SERVICE PROVIDER: Roach Construction

PHONE: _____

PRODUCT IN EACH TANK: 1) Diesel 2) _____ 3) _____ 4) _____ 5) _____SIZE IN GALS.: 1) 500 2) _____ 3) _____ 4) _____ 5) _____TANK APPEARANCE: 1) Punctured 2) _____ 3) _____ 4) _____ 5) _____VISUAL CONTAMINATION: 1) yes 2) _____ 3) _____ 4) _____ 5) _____

FIELD SAMPLING DATA (i.e. TYPES, NO., DEPTH, LOCATION):

Sampling was performed by John Emery of Potlatch Corp.All soil samples. See attached diagram for details on sample locations and concentrations.

LAB NAME & ADDRESS: _____

PHONE: _____

TANK DISPOSAL/DESTINATION: Sutton Subgrade - Lewiston IDINDICATE AMOUNT & DISPOSAL METHOD OF ANY MATERIAL REMOVED FROM TANK (i.e. WATER, PRODUCT, SLUDGE): Water was land applied at Roach Const. N.E. Landfarm. Product will be removed in a waste oil Reservoir.Sludge was solidified and stabilized at Potlatch Const. N.E. Landfarm.

REMOVAL OF CONTAMINATED SOIL IN TANK PIT (WHERE & HOW STORED):

Roach Const. N.E. Landfarm, Highway 95 10 miles South of Genesee in Nez Perce County. 160 cubic yards removed to obtain Cleanup level of less than 100 ppm

SOURCE OF CONTAMINATION

TANK _____ PIPING _____ SPILL/OVERFILL _____ UNKNOWN XPHOTOGRAPHS: X YES _____ NOASSESSMENT BY Jay RoachOWNER John A. Emery



Sewer Manhole



Flow



500 Gal Diesel tank

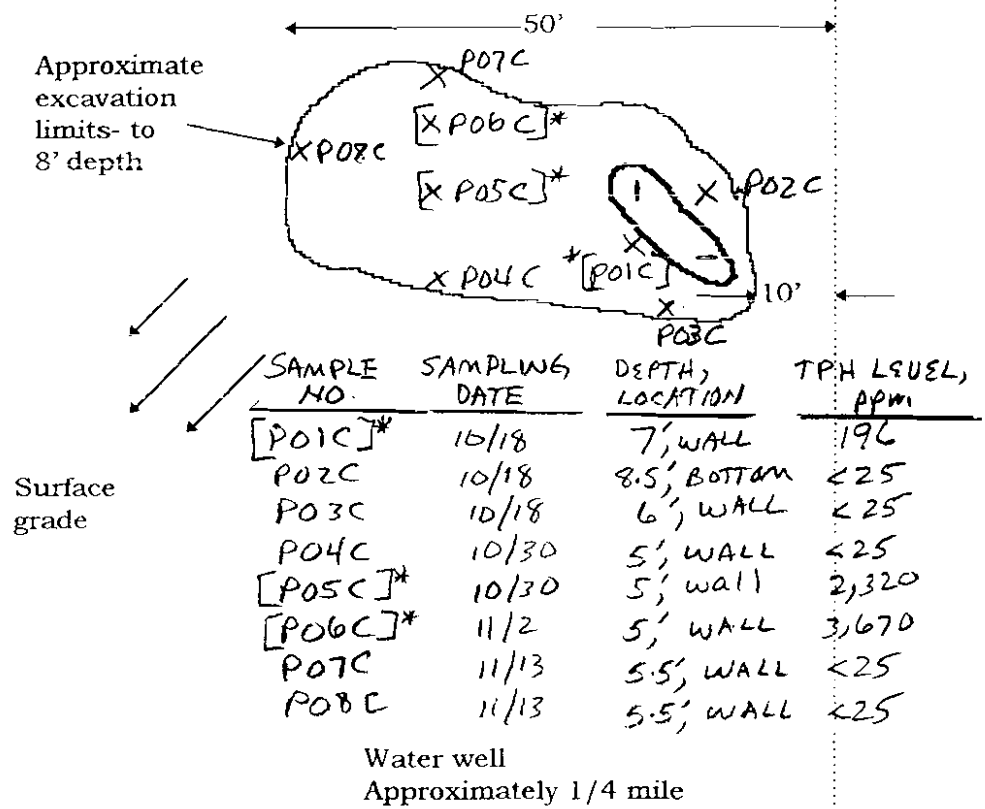
4' x 7 1/2'

Very good condition except for recent puncture during the process of excavation and soil testing.

162 cu yds of PCS was removed

Backfilled with available on site material

Ground water was not encountered



Palouse River
1/4 mile

Sewer Manhole



Access Road

* Brackets designate samples that indicated a need for further excavation.



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

Rept. # 2

September 22, 1995

Potlatch Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 9/19/95.

Sample Log-in number: **21439**

Date Sampled: 9/15/95 & 9/19/95

Report # 95-0922-PLC Page 1 of 3

BTEX by EPA 8021; Gasoline by WTPH-G

Volatile Organics by EPA 8260; HCID by WTPH-HCID; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P010995	Soil	9/21/95	Chloromethane	< 1.0 mg/Kg
<i>Potlatch Mill Site "A"</i>				
			Chloroethane	< 1.0 mg/Kg
			Bromomethane	< 1.0 mg/Kg
			Vinyl chloride	< 1.0 mg/Kg
			Trichlorofluoromethane	< 1.0 mg/Kg
			Dichloromethane	< 1.0 mg/Kg
			1,1-Dichloroethene	< 1.0 mg/Kg
			cis-1,2-Dichloroethene	< 1.0 mg/Kg
			trans-1,2-Dichloroethene	< 1.0 mg/Kg
			1,1-Dichloroethane	< 1.0 mg/Kg
			Chloroform	< 1.0 mg/Kg
			1,1,1-Trichloroethane	< 1.0 mg/Kg
			1,2-Dichloroethane	< 1.0 mg/Kg
			Carbon tetrachloride	< 1.0 mg/Kg
			1,1-Dichloropropene	< 1.0 mg/Kg
			1,2-Dichloropropane	< 1.0 mg/Kg
			Trichloroethene	< 1.0 mg/Kg
			Bromodichloromethane	< 1.0 mg/Kg
			cis-1,3-Dichloropropene	< 1.0 mg/Kg
			trans-1,3-Dichloropropene	< 1.0 mg/Kg
			1,1,2-Trichloroethane	< 1.0 mg/Kg
			Dibromochloromethane	< 1.0 mg/Kg
			Tetrachloroethene	< 1.0 mg/Kg
			Chlorobenzene	< 1.0 mg/Kg
			Bromoform	< 1.0 mg/Kg
			1,1,2,2-Tetrachloroethane	< 1.0 mg/Kg
			Styrene	< 1.0 mg/Kg
			Benzene	< 1.0 mg/Kg
			Toluene	< 1.0 mg/Kg
			Ethylbenzene	< 1.0 mg/Kg
			Xylene(Total)	< 1.0 mg/Kg
			1,2-Dichlorobenzene	< 1.0 mg/Kg
			1,3-Dichlorobenzene	< 1.0 mg/Kg
			1,4-Dichlorobenzene	< 1.0 mg/Kg





1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

95-0922-PLC Page 2 of 3

Sample Name	Matrix	Analysis Date	Analyte	Concentration
Samples from Potlatch mill site P010995 A (SITE A) P020995 A (SITE A) P030995 B (SITE B) P040995 B (SITE B) P050995 B (Site B)	Soil	9/20/95	Gasoline	< 10 mg/Kg by HCID
			Diesel	< 25 mg/Kg by HCID
			Waste Oil	Detected by HCID
	Soil	9/20/95	Gasoline	< 10 mg/Kg by HCID
			Diesel	< 25 mg/Kg by HCID
			Waste Oil	Detected by HCID
	Soil	9/20/95	Gasoline	< 10 mg/Kg by HCID
			Diesel	Detected by HCID
			Waste Oil	< 100 mg/Kg by HCID
	Liquid Soil	9/20/95	Gasoline	< 10 mg/Kg by HCID
			Diesel	Detected by HCID
			Waste Oil	< 100 mg/Kg by HCID
	Soil	9/20/95	Gasoline	< 10 mg/Kg by HCID
			Diesel	Detected by HCID
			Waste Oil	< 100 mg/Kg by HCID
			Gasoline	650 mg/Kg → (due to)
			Benzene	< 0.050 mg/Kg
			Toluene	0.336 mg/Kg
			Ethylbenzene	0.145 mg/Kg
			Xylene(total)	0.314 mg/Kg
			} ← (NO BENZEN	
CW9951	Liquid	9/20/95	Gasoline	< 10 mg/Kg by HCID
			Diesel	< 25 mg/Kg by HCID
			Waste Oil	Detected by HCID

Oil from South Ditch at Lewiston Site





APPENDIX B
6/21
Rept. # 3

1917 S. Main Moscow, ID 83843 (208) 883-BTEX (2839) FAX: (208) 882-9246

September 27, 1995

Potlatch Corporation
805 Mill Road/ P.O. Box 1016
Lewiston, ID 83501-1016
Attn: John Emery

Items: Results of analysis for samples received 9/19/95.
Sample Log-in number: **21439**
Date Sampled: 9/15/95 & 9/19/95
Report # 95-0927-PLC

Diesel by WTPH-D (8015 modified); Waste Oil by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P010995 A	Soil	9/27/95	Waste Oil	2,730 mg/Kg
P020995 A	Soil	9/27/95	Waste Oil	12,600 mg/Kg
P030995 B	Soil	9/22/95	Diesel	52,000 mg/Kg
P050995 B	Soil	9/22/95	Diesel	350 mg/Kg

A handwritten signature in black ink, appearing to read 'Mike Pearson', written over a circular stamp or seal.

Mike Pearson
Laboratory Director



Printed on Recycled Paper



APPENDIX B 7/21
Rept. # 4

1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

October 12, 1995

Potlach Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 9/19/95.

Sample Log-in number: **21439**

Date Sampled: 9/15/95 & 9/19/95

Report # 95-1012-PLC

Total 8 Metals by EPA 3051 & 6020; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P010995 A	Soil	10/10/95	Arsenic	< 1.0 mg/Kg
P020995 A			Barium	35 mg/Kg
(Composite)			Cadmium	< 1.0 mg/Kg
			Chromium	5.7 mg/Kg
			Lead	13.6 mg/Kg
			Mercury	< 0.2 mg/Kg
			Selenium	< 1.0 mg/Kg
			Silver	< 1.0 mg/Kg

A handwritten signature in black ink, appearing to read 'Mike Pearson'.

Mike Pearson
Laboratory Director



Printed on Recycled Paper



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

APPENDIX B
Rept. # 5

9/21

October 19, 1995

Potlatch Corporation
805 Mill Road/ P.O. Box 1016
Lewiston, ID 83501-1016
Attn: John Emery

Items: Results of analysis for samples received 10/18/95.
Sample Log-in number: **21558**
Date Sampled: 10/18/95
Report # 95-1019-PLC

Diesel by WTPH-D; TPH by WTPH-418.1; HCID by WTPH-HCID; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P01C	Soil	10/18/95	Diesel**	196 mg/Kg
P02C	Soil	10/18/95	Diesel	< 25 mg/Kg
P03C	Soil	10/18/95	Diesel	< 25 mg/Kg
P04D	Soil	10/18/95	Gasoline Diesel Waste Oil	< 10 mg/Kg by HCID < 25 mg/Kg by HCID Detected by HCID
P0310A	Soil	10/18/95	TPH	8,600 mg/Kg
P0410A	Soil	10/18/95	TPH	270 mg/Kg

****Note: Waste Oil was also detected in this sample.**

A handwritten signature in black ink, appearing to read 'Mike Pearson', written over a circular stamp.

Mike Pearson
Laboratory Director



Printed on Recycled Paper



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

APPENDIX B
Rept. # 6

11/21

October 23, 1995

Potlatch Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 10/18/95.

Sample Log-in number: **21558**

Date Sampled: 10/18/95

Report # 95-1023b-PLC

Waste Oil by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P04D	Soil	10/23/95	Waste Oil	175 mg/Kg

Mike Pearson

Laboratory Director



Printed on Recycled Paper



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

APPENDIX B
Rept. # 7
12/21

October 23, 1995

Potlatch Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 10/20/95.

Sample Log-in number: **21566**

Date Sampled: 10/20/95

Report # 95-1023-PLC

TPH by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P0510A	Soil	10/23/95	TPH	108 mg/Kg
P0610A	Soil	10/23/95	TPH	255 mg/Kg
P0710A	Soil	10/23/95	TPH	27 mg/Kg
P0810A	Soil	10/23/95	TPH	2,590 mg/Kg
P05E	Soil	10/23/95	TPH	37 mg/Kg

A handwritten signature in black ink, appearing to read 'Mike Pearson'.

Mike Pearson

Laboratory Director



Printed on Recycled Paper



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

APPENDIX B 14/21
Rept. # 8

October 26, 1995

Potlatch Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 10/24/95.

Sample Log-in number: **21575**

Date Sampled: 10/24/95

Report # 95-1026-PLC

Waste Oil by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P0910A	Soil	10/25/95	TPH	39 mg/Kg
P1010A	Soil	10/25/95	TPH	< 25 mg/Kg
P1110A	Soil	10/25/95	TPH	< 25 mg/Kg

Mike Pearson

Laboratory Director



Printed on Recycled Paper



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

APPENDIX B
Rept. # 9
16/21

October 31, 1995

Potlach Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 10/30/95.

Sample Log-in number: **21596**

Date Sampled: 10/30/95

Report # 95-1031-PLC

TPH by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P04C	Soil	10/31/95	TPH	< 25 mg/Kg
P05C	Soil	10/31/95	TPH	2,320 mg/Kg
P1210A	Soil	10/31/95	TPH	35 mg/Kg
P1310A	Soil	10/31/95	TPH	6,090 mg/Kg

A handwritten signature in black ink, appearing to read 'Mike Pearson', written over a circular stamp.

Mike Pearson
Laboratory Director



Printed on Recycled Paper



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

APPENDIX B 18/21
Rept. # 10

November 6, 1995

Potlach Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 11/2/95.

Sample Log-in number: **21607**

Project Name: Potlatch Mill

Date Sampled: 11/2/95

Report # 95-1106-PLC

TPH by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P06C	Soil	11/6/95	TPH	3,670 mg/Kg
P1411A	Soil	11/6/95	TPH	< 25 mg/Kg



Mike Pearson

Laboratory Director



Printed on Recycled Paper

APPENDIX B 20/21
Rept. # 11



1917 S. Main Moscow, ID 83843

(208) 883-BTEX (2839)

FAX: (208) 882-9246

November 15, 1995

Potlatch Corporation

805 Mill Road/ P.O. Box 1016

Lewiston, ID 83501-1016

Attn: John Emery

Items: Results of analysis for samples received 11/13/95.

Sample Log-in number: **21632**

Project Name: Potlatch Mill

Date Sampled: 11/13/95

Report # 95-11156-PLC

TPH by WTPH-418.1; mg/Kg = ppm

Sample Name	Matrix	Analysis Date	Analyte	Concentration
P07C	Soil	11/14/95	TPH	< 25 mg/Kg
P08C	Soil	11/14/95	TPH	< 25 mg/Kg

A handwritten signature in black ink, appearing to read 'Mike Pearson', is written over a horizontal line.

Mike Pearson
Laboratory Director



Printed on Recycled Paper

21439

Tel /Fax : (208) 883-2839 / (208) 882-9246

Comments :			Matrix			Analysis Requested															
			Soil	Water	Other	Number Of Containers	TPH-HCID (WA/OR)	TPH-D/8015 (WA/OR)	BTEX 602/ 8020	TPH-G 8015 (WA/OR)	TPH 418.1 (WA/OR)	Vol. Org. 624/8260	BNA 625/8270	PAH'S 8270	Herbicides 8150	PCB's/ Pesticides 8080	Lead EPA 7420/7421	Total 8 Metals	TCLP 8 Metals	Other	
Sample ID	Date	Time	Soil	Water	Other	Number Of Containers	TPH-HCID (WA/OR)	TPH-D/8015 (WA/OR)	BTEX 602/ 8020	TPH-G 8015 (WA/OR)	TPH 418.1 (WA/OR)	Vol. Org. 624/8260	BNA 625/8270	PAH'S 8270	Herbicides 8150	PCB's/ Pesticides 8080	Lead EPA 7420/7421	Total 8 Metals	TCLP 8 Metals	Other	
P010995 }	9/19/95		X			1	✓					✓									
P020995 }	9/19/95		X			1	✓														
P030995 }	-11-		X			1	✓														
P040995 }	-11-				X	1	✓														
P050995 }	-11-		X			1	✓		✓	✓											
C09951	9/15/95				X	1	✓					✓									
Relinquished by :		Received by :		Relinquished by :		Received for Analysis by :															
Signature: <i>John Emery</i>		Signature:		Signature:		Signature: <i>R. Woods</i>															
Printed Name: John Emery		Printed Name :		Printed Name :		Printed Name : R. Woods 9/19/95															

1440

APPENDIX 3 8/21

1/21

Sample Area (See Map)	Sample No.	Date	ppm Time	Remarks (Depth, Specific Location, etc.)
A (Planer M1)	PO10995	9/19	2,730	6" deep, center of container area, dark waxy soil
A (-11-)	PO20915	9/19	12,600	3' deep -11- dark grey soil, granular, lean
B (Tank)	PO30995	-11-	59,000	Soil near tank, backing end ★
B -11-	PO40995	-11-		Soil liquid from Tank
B -11-	PO50995	-11-	350	Soil from near bottom of tank, opposite end from leak.

Tank measure 7'9" long x 41" diameter.
Punctured on end 17" from top. Appears to be diesel fuel or diesel/gasoline mixture.

$$\frac{\left(\frac{44}{2}\right)^2 \pi}{144} \times 7.67 = 70.3 \text{ ft}^3$$

$$\frac{(7.3 \text{ ft}) \times \overset{\text{Page 1}}{7.48 \text{ gal}}}{\text{ft}^3} = 526 \text{ gal.}$$

206 gal spilled.

POTLATCH CLEANUP/TESTS

Sample Area (See Map)	Sample No.	Date	Time	Remarks (Depth, Specific Location, etc.)	ppm
C (Tank)	P01C	10/18/95		West end hole, 7' deep in wall	196
-11-	P02C	-11-		S.E. end hole 8 1/2', bottom	<25
-11-	P03C	-11-		S. end @ 6"	<25
D (near Round house)	P04D	-11-		Between ties, 6" deep (under tar-covered boards across tie)	175
A (Planer Mill)	P0310A	-11-		3' deep, sand	8,600
-11-	P0410A	-11-		6' deep, sand	270
A (-11-)	P0510A	10/20/95		Bottom, center of pit, 8' deep	108
A (-11-)	P0610A	10/20/95		S.E. Corner Bottom, 6' 5" deep	255
A (-11-)	P0710A	10/20/95		N.E. Corner, Bottom, 5' deep	27
E (near Round house)	P05E	10/20/95		Under tar beside R.R. Track 1' deep	37
A (Planer Mill)	P0810A	-11-		E. wall, 4' deep, near center of pit	2,590
A (Planer Mill)	P0910A	10/24/95		W. wall 4' deep	39
-11-	P1010A	-11-		MIDDLE EAST 5' deep	<25
-11-	P1110A	-11-		NE wall 6' drum	<25
C (TANK SITE)	P04C	10/20/95		S wall 5' deep	<25
-11-	P05C	-11-		N wall 5' deep	2320
A (Planer Mill)	P1210A	-11-		N wall 5' deep	35
-11-	P1310A	-11-		S wall 5' deep	6,090

(The boards removed from tank area)

A (Planer Mill)

P1410A 11/2/95

S wall 5' deep

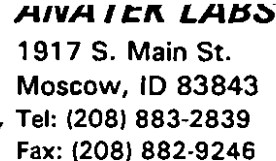
<25

C (Tank)

P06C -11-

N. wall 5' deep

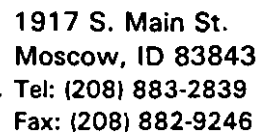
3,670

**ANATEK**

Log in # :

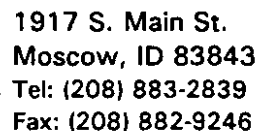
Company Name: POTLATCH CORP				Project Manager:						Turnaround Requirements							
Address: P.O. BOX 1016				Project Name / # :						Same day** _____ 24 hr** X							
City: Lewiston State/Zip: ID 83501				Purchase Order # :						48 hr** _____ 5 day _____ 14 day _____							
Phone: (208) 799-1223				Sampler signature:						Other _____ Fax results _____							
Fax: (208) 799-1918										** May incur rush charge. Please call to verify.							
Comments:				UST						Hazardous wastes						Other	
				Number Of Containers	TPH 418.1	TPH-HCID WA OR	TPH-D/8015 WA OR	TPH-G/8015 WA OR	BTEX 8021/802	8260/624 Volatiles	8270/825 Semivolatiles	8081 OC Pesticides/PCB's	8140 OP Pesticides	8150 Herbicides	Total Pb Cd Cr Total Metals 8 13	TCLP Metals	
Sample ID	Date	Time	Matrix														
P01C	10/18/95	1:00pm	Soil				X										
P02C	-11-	-11-	-11-				X										
P03C	-11-	-11-	-11-				X										
P04D	-11-	1:45pm	-11-		X												
P0310A	-11-	3:30pm	-11-		X												
P0410A	-11-	-11-	-11-		X												
Relinquished by: J.A. Emery				Received by:				Relinquished by:				Received for Anatek by:					
Signature: [Signature]				Signature:				Signature:				Signature: [Signature]					
Printed Name: J.A. Emery				Printed Name:				Printed Name:				Printed Name: M. Pearson					
Date/Time:				Date/Time:				Date/Time:				Date/Time: 10.18.95 1600					

Appendix B 10/24



Log in # :

Page of



Log in # :

21575

Turnaround Requirements

Same day** _____ 24 hr** _____

48 hr** _____ 5 day _____ 14 day _____

Other _____ Fax results _____

** May incur rush charge. Please call to verify.

UST

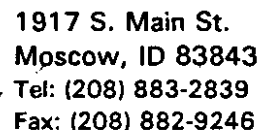
Hazardous wastes

Other

Relinquished by:	Received by:	Relinquished by:	Received by:
Signature: <i>J.A. Emery</i>	Signature:	Signature:	Signature: <i>Robin Woods</i>
Printed Name: J.A. Emery	Printed Name:	Printed Name:	Printed Name: Robin Woods
Date/Time: 10/24/95 4:38p	Date/Time:	Date/Time:	Date/Time: 10/24/95 1:30p

Page of

APPENDIX B 15/21

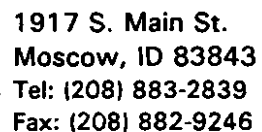


Log in # :

21596

[illegible]

APPENDIX B 17/21



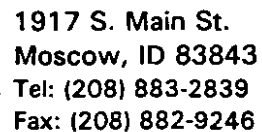
Log in # :

21607

[illegible]

Page 1 of 1

APPENDIX B 19/21



21632

Appendix B 12/21

JOINT APPLICATION FOR PERMITS

U.S. ARMY CORPS OF ENGINEERS
IDAHO DEPARTMENT OF WATER RESOURCES
IDAHO DEPARTMENT OF LANDS

**DO NOT START WORK UNTIL YOU
RECEIVE PERMITS FROM BOTH
THE
CORPS AND THE STATE**

This application may be used to apply for both a Department of the Army permit from the U.S. Army Corps of Engineers (Corps) and for State of Idaho permits. Department of the Army permits are required by Section 10 of the Rivers and Harbors Act of 1899 for any structures or work in or affecting navigable waters of the United States and by Section 404 of the Clean Water Act for discharges of dredged or fill material into waters of the United States, including their adjacent wetlands. State permits are required under the State of Idaho, Stream Channel Protection Act (Title 42, Chapter 38, Idaho Code) and the Idaho Lake Protection Act, Section 58-142 et. seq., Idaho Code. **Route Uses:** Information provided on this form will be used in evaluating the application. Disclosure of requested information is voluntary. If information is not provided, however, the permit application cannot be processed nor can permits be issued. Applicants should send this completed application, along with one set of good reproducible drawings showing the location and character of the proposed project, to both the Corps of Engineers and the State of Idaho. NOTE: DRAWINGS NO LARGER THAN 8-1/2 X 11 INCHES IN SIZE. The Applicant Information pamphlet provides instructions and a checklist for completing the drawings.

1. Corps of Engineers # _____ Date Received _____	2a. Department of Water Resources # _____ Date Received _____ Fee Rec'd By: _____ Receipt # _____	2b. Department of Lands # _____ Date Received _____ Fee Rec'd By: _____ Receipt # _____
--	---	---

PLEASE TYPE OR PRINT

3. a. Applicant <u>Potlatch Corporation</u>	4. a. Authorized Agent <u>GeoEngineers, Inc.</u>
b. Mailing Address <u>805 Mill Road</u> <u>Lewiston, ID 83501</u>	b. Mailing Address <u>523 E. Second Ave.</u> <u>Spokane, WA 99202</u>
c. Work Phone (<u>208</u>) <u>799-1156</u> Home () _____	c. Work Phone (<u>509</u>) <u>363-3125</u> Home () _____
d. Fax Number <u>(208) 799-1707</u>	d. Fax Number <u>(509) 363-3126</u>
e. Email Address <u>Dennis.Murphy@potlatchcorp.com</u>	e. Email Address <u>kholliday@geoengineers.com</u>

5. Location where proposed activity exists or will occur.	5. e. Tax Assessor's Description: Available upon request.
a. Waterway <u>Approx. 1,000 ft NW of the North Fork of Palouse River</u>	
b. Distance/Direction from nearest city or town <u>1,000 ft. Northwest of Potlatch</u> County/State <u>Latah County, Idaho</u>	f. $\frac{1}{4}$ $\frac{1}{4}$ NW of SW Section: <u>1</u> Township: <u>41 N</u> Range: <u>5 W</u>
c. Zip Code <u>Local jurisdiction (city or county) City of Potlatch</u>	g. UTM Coordinate Grid <u>11</u> <u>5196626.5</u> <u>507080.5</u>
d. Directions to the site: <u>Travel State Route 6 into Potlatch turn west on 6th Street. Site is approximately 1,000 feet northwest of the 6th Street and State Route 6 intersection, and approximately 400 feet north of 6th Street.</u>	

6. a. Describe Project (Work below the ordinary high water mark or in wetlands).	Excavation of approximately 100 cubic yards of petroleum contaminated soil. Vegetation will be removed incidentally as part of the cleanup. Excavation will be backfilled with imported clean native soil to pre-existing grade.
b. Construction methods and equipment	Excavate using a tracked excavator and dump trucks to remove excavated soil, and then fill with clean soil. Backfilling will include placing clean soil in lifts using a front-end loader. Excavated soil might be temporarily stockpiled at the site. If this is the case, the stockpiled soil will be entirely covered with secured 10-mil plastic sheeting. Other site runoff is expected to flow into the excavation.
c. Length of project along the stream or extension into lake or reservoir:	<u>None</u>
d. Size and flow capacity of proposed bridge or culvert and area of drainage served (sq. miles):	(Idaho Department of Water Resources requirement.) <u>N/A</u>

COMPLETE THE FOLLOWING FOR DISCHARGES OF DREDGED OR FILL MATERIAL

7. a. Volume dredged or fill material to be placed waterward of the ordinary high water mark (BOTH TEMPORARY AND PERMANENT)?	<u>100 (cubic yards)</u> (to replace excavated soil)
b. Will fill be placed in wetlands? <u>Yes</u> If yes, area: <u><0.1 acre</u> (acres) Type of fill material: <u>Clean Soil</u> (i.e. sand, rock, clay, concrete, etc.)	
c. Will dredging be required waterward of the ordinary high water mark or in wetlands? <u>Yes</u> If yes, volume <u>100</u> (cubic yards)	
d. Type of dredged material <u>Petroleum Contaminated Soil</u>	
e. Disposal site for dredged material: <u>Off-site permitted landfill</u> Method of dredging: <u>Track Excavator</u>	
f. Method to control turbidity and sedimentation: <u>None</u>	
g. Is project located in a mapped floodway? <u>No</u> If yes, complete the Engineering "No-Rise" certification form.	

8. a. Purpose and intended use: Commercial ☒ Public ☐ Private ☐ Other ☐ Describe _____
b. Reason for project Bunker C fuel oil from an old spill has contaminated soil in the area of the wetland with benzo(a)pyrene and other polycyclic aromatic hydrocarbons at concentrations that exceed Idaho Department of Environmental Quality Risk Based Corrective Action Tier 0 soil cleanup levels. Potlatch Corporation desires to excavate this petroleum-contaminated soil. Groundwater or surface water is not suspected to be impacted because of the chemical properties of Bunker C fuel oil.

9. Proposed Starting Date October 2003 Estimated Duration Approximately 2 weeks.

10. List portions of the project that are complete with month and year of completion
Label this work on your drawings. Approximately 725 tons of petroleum-contaminated soils were excavated in the project area in July and August 2003. When the project expanded to the east, the project was placed on hold when site workers and the owner's representative suspected that a sensitive on-site area might be impacted if the project continued.

11. Names, addresses, and telephone numbers of adjoining property owners, lessees, etc., whose property also adjoins the waterway.
Site is contained within a large parcel of land owned and managed by Potlatch Corporation. Project would not impact adjoining property owners, lessees, etc. due to the distance to the Potlatch Corporation's property boundary.

☐ Check here if the alteration is located on endowment lands administered by the Idaho Department of Lands

12. LEGAL OWNER IF OTHER THAN APPLICANT

a. Name _____ d. Phone Work () _____
b. Mailing Address _____ Home () _____
c. City, State, Zip Code _____

13. List applications, approvals, or certifications from other Federal, state, or local agencies for work described in this application.

Issuing Agency	Type of Approval	Identification No.	Date of Application	Date of Approval
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

14. Has any agency denied approval for the proposed activity? Yes ☐ No ☒ (If "Yes" explain) _____

15. Other comments/information:

The project as described in this application is the remaining portion of an environmental cleanup effort on the property. The site identified in this application was historically used in support of the industrial facility on the property. Mr. Hudson Mann of the Idaho Department of Environmental Quality's Lewiston, Idaho office has been notified of the cleanup activities. Attached are figures displaying the site location, the wetland area, and the location of the previous clean up effort in relation to the wetland area that appears to have received Bunker C fuel oil from the historical spill nearby.

16. Application is hereby made for a permit or permits to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities. I hereby grant to the agencies to which this application is made, the right to come upon the above-described location to inspect the proposed and completed work.

Signature of Applicant (ORIGINAL SIGNATURE REQUIRED) _____ Printed Name _____ Date _____

17. If you wish to designate an authorized agent, complete item 4, item 16 and the following information.

I hereby designate _____ to act as my agent in matters related to this permit application. I understand that if a Federal permit is issued, I must sign the permit.

Original Signature of Authorized Agent _____ Date _____ Original Signature of Applicant _____ Date _____

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

DO NOT SEND CORPS PROCESSING FEE WITH APPLICATION

SEND IDAHO DEPARTMENT OF WATER RESOURCES OR IDAHO DEPARTMENT OF LANDS FILING FEE WITH APPLICATION

Potlatch

**Potlatch Corporation
Resource Management Division
Idaho Region**

October 3, 2003

805 Mill Road
P.O. Box 1388
Lewiston, ID 83501-1388
Telephone (208) 799-1156
FAX: (208) 799-1707
e-mail: Dennis.Murphy@potlatchcorp.com

U.S. Army Corps of Engineers
Regulatory Field Office
Idaho Panhandle National Forest Building
3815 Schreiber Way
Coeur d'Alene, ID 83814-8363

Attention: Permitting Staff

I am writing on behalf of Potlatch Corporation ("Potlatch") to inform you of Potlatch's intent to excavate approximately 100 cubic yards of petroleum contaminated soil from an industrially-zoned former wood products property Potlatch owns near Potlatch, Idaho. The area of concern is the location of a former railroad refueling area that contains a potential "wetland" area. Potlatch does not believe the isolated "wetland" is jurisdictional. We are providing this notice in an effort to cooperate with your office and alleviate any concerns you may have regarding this cleanup.

The cleanup is necessary because of an apparent past release of Bunker C fuel oil on our property, which contaminated soil with benzo(a)pyrene and other polycyclic aromatic hydrocarbons at concentrations that exceed Idaho Department of Environmental Quality's Risk Based Corrective Action Tier 0 soil cleanup levels. Surface waters are not suspected to have been impacted because of the chemical and physical properties of Bunker C fuel oil, and the distance of the release area to the North Fork of the Palouse River, respectively.

Potlatch removed approximately 725 tons of petroleum-contaminated soil from the area immediately upland of the "wetland" area during the summer of 2003. As the cleanup project expanded to the northeast, the project was stopped when site workers suspected that the potential "wetland" might be impacted if the project continued.

Potlatch retained Western Watershed Analysts to confirm if the area in question is a "wetland." The consultant documented the presence of hydrophytic plants, indicators of wetland hydrology, but could not rely on information from the soils because of past industrial disturbances at this site. The consultant identified the area as an atypical situation, and delineated the "wetland" boundary based on wetland indicators of vegetation and hydrology. Although there are indicators of wetland hydrology, as stated above, Potlatch does not believe the isolated "wetland" area is jurisdictional.

Potlatch wishes to complete the cleanup activities by the end of October 2003 and does not wish to delay the process to undergo a formal jurisdictional determination. Such a delay is not warranted because even if Potlatch concedes that the "wetland" is jurisdictional solely for the purposes of this cleanup, Potlatch believes the cleanup activities are covered under Nationwide Permit 20 "Oil Spill Cleanup," which

allows activities for the containment and cleanup of oil. Therefore, no individual permit would be required.

To facilitate the Corps' review and approval of its activities, Potlatch retained GeoEngineers, Inc. to prepare the attached "Joint Application for Permits." Potlatch is submitting the application to notify the Corps of the cleanup activities and to verify that the activities meet the terms and conditions of Nationwide Permit 20, which would allow Potlatch to proceed immediately with the cleanup. Included with the joint application form are three figures displaying the site location, potential "wetland" area, and the location of previous cleanup efforts in relation to the activity for which Nationwide Permit coverage is requested. Petroleum contaminated soils would be removed using a tracked excavator and dump trucks. The excavation would be backfilled with clean soil to the existing grade. As a courtesy, Mr. Hudson Mann of the Idaho Department of Environmental Quality's Lewiston, Idaho office has also been notified of the cleanup activities and of Potlatch's intent to submit the Joint Application.

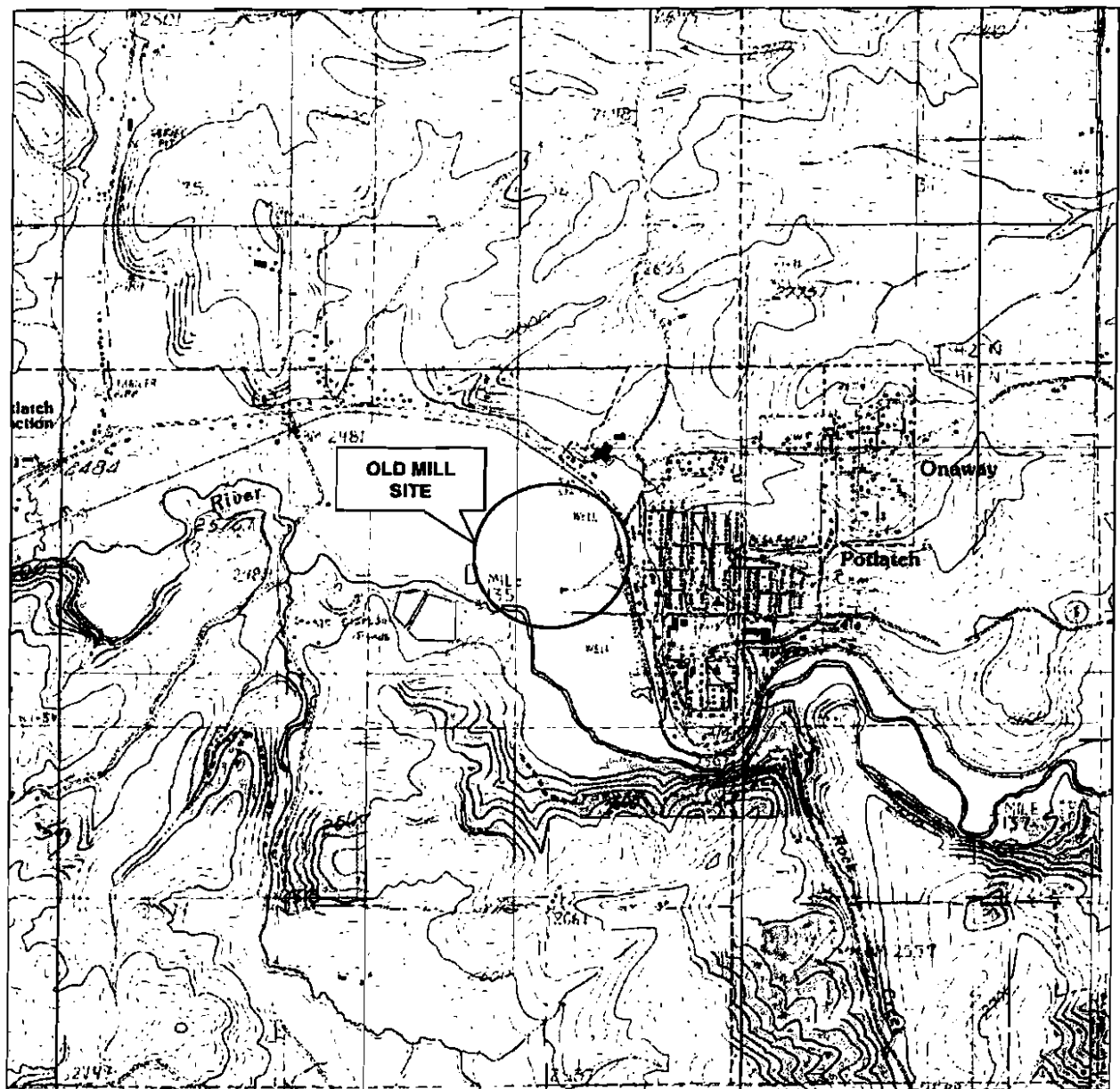
As noted above, Potlatch wishes to complete this project by the end of October to ensure that the cleanup is not delayed until spring due to weather. Please verify in writing, as soon as possible, that Potlatch can proceed with the cleanup activities, either because the Corps does not consider the "wetland" jurisdictional, or, even if jurisdictional, the cleanup is covered under the Nationwide Permit program.

If you have any questions or concerns, please feel free to call me at (208) 799-1156.

Sincerely,

Dennis L. Murphy
Manager
Property Management Business Development
Resource Management Division, Idaho Region

231501000:020403:RDE:EAM (231501000vm.ppt)



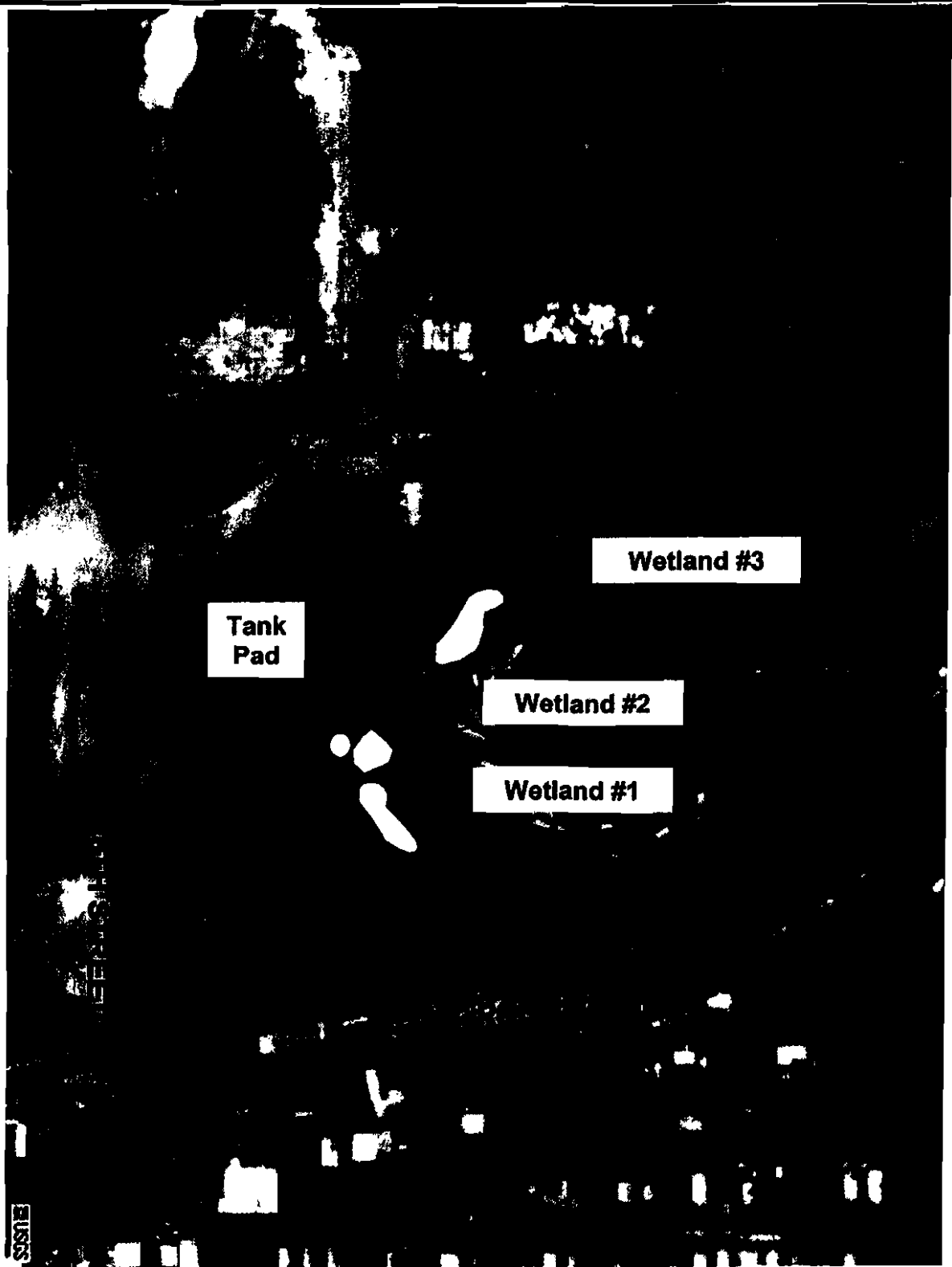
Reference: All Topo Maps "Spokane NW, WA"

Geo  Engineers

VICINITY MAP

FIGURE 1

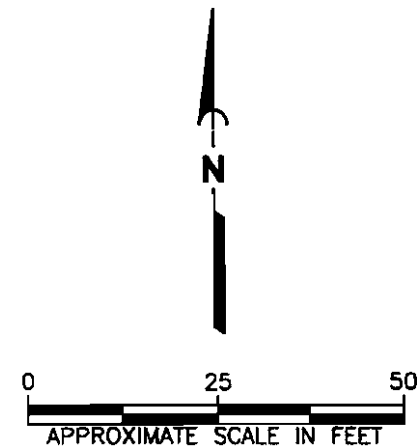
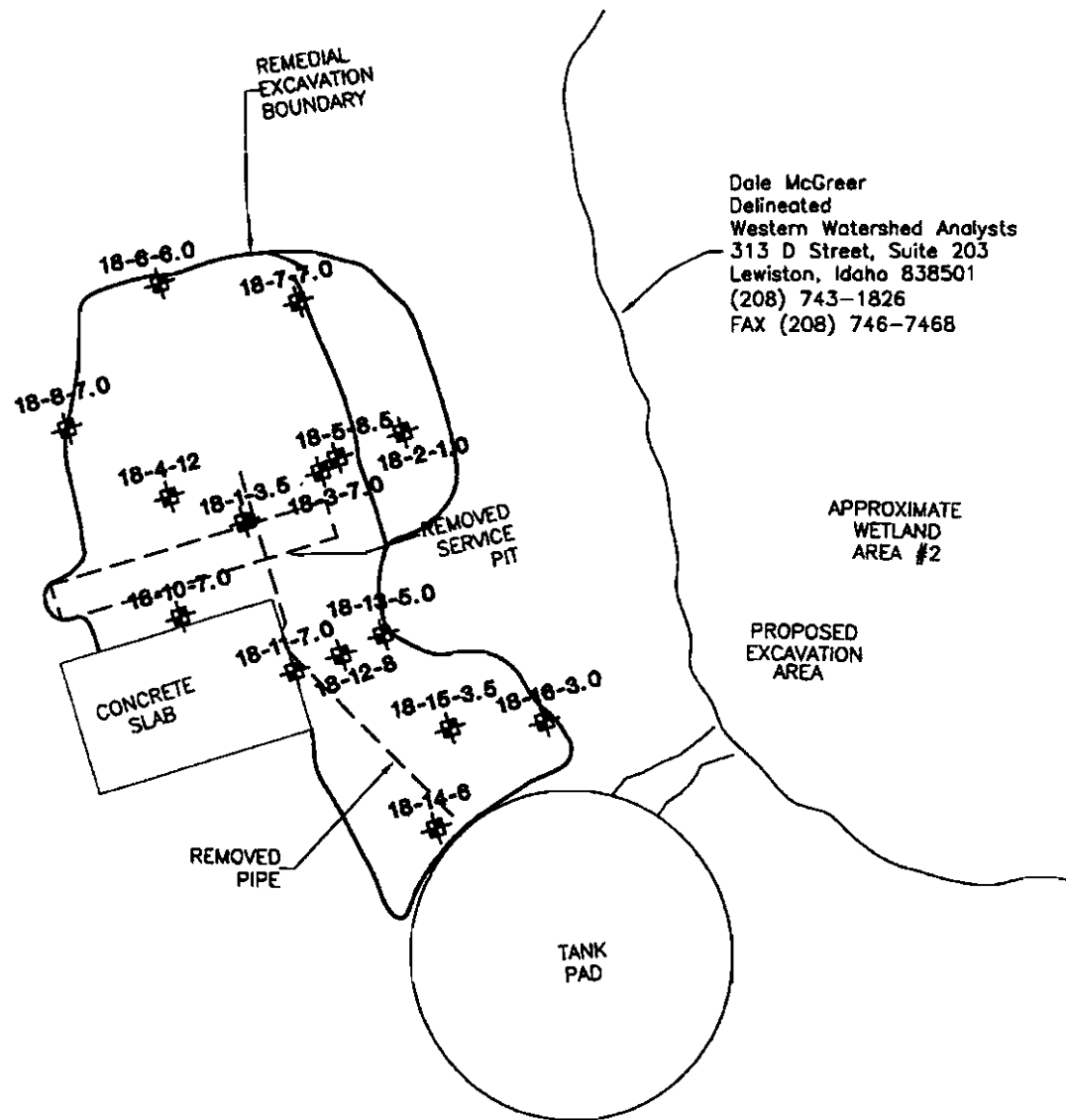
2315-010-02:RED:TLM:092203:231501002FIG2.PPT



231501001:092203

231501001FIG3.DWG

RDE:TLM



EXPLANATION:

18-8-6.0 TEST PIT NUMBER AND
APPROXIMATE LOCATION



Notes:

1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Geo  Engineers

**AREA 18 REMEDIAL EXCAVATION AND SOIL
SAMPLE LOCATION MAP**

FIGURE 3



POTENTIAL HAZARDOUS WASTE SITE
SITE IDENTIFICATION

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Potlatch Forests Inc. - Large Mill

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

741N R5W sec. 1

03 CITY

Potlatch

04 STATE

Ida

05 ZIP CODE

06 COUNTY

LATAH

07 COUNTY CODE

08 CONG DIST

09 DIRECTIONS TO SITE (Starting from nearest public road)

17 miles North of Moscow on U.S. 95. Just before reaching Potlatch on Alt. 95 area or about 3/4 mile East of Junction to Potlatch from 95, area of old Mill on South Side of Alt. 95. Large area of old Mill - about 1 sq. mile.

III. RESPONSIBLE PARTIES

01 OWNER (If known)

PFI

02 STREET (Business, residential, mailing)

03 CITY

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

()

07 OPERATOR (If known and different from owner)

08 STREET (Business, residential, mailing)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE

☐ B. FEDERAL:

(Agency name)

☐ C. STATE

☐ D. COUNTY

☐ E. MUNICIPAL

☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

IV. HOW IDENTIFIED

01 DATE IDENTIFIED

12, 04, 87
MONTH DAY YEAR

02 IDENTIFIED BY (Check all that apply)

☐ A. CITIZEN COMPLAINT

☐ B. INDUSTRY

☒ C. STATE/LOCAL GOVERNMENT

☐ D. AERIAL RECONNAISSANCE

☐ E. RCRA INSPECTION

☐ F. SURFACE IMPOUNDMENT ASSESSMENT

☐ G. OTHER EPA IDENTIFICATION

☐ H. OTHER

(Specify)

V. SITE CHARACTERIZATION

01 TYPE OF SITE (Check all that apply)

☒ A. STORAGE

☒ B. TREATMENT

☒ C. DISPOSAL

☐ D. UNAUTHORIZED DUMPING

☐ E. OTHER

(Specify)

02 SUMMARY OF KNOWN PROBLEMS (Provide narrative description)

03 SUMMARY OF ALLEGED OR POTENTIAL PROBLEMS (Provide narrative description)

This Large Mill was shut down in 70's. Was a very large facility with R.R. Potential treating of Poles, creosote, Pentac and Maintenance solvents and oils being dumped. Potential degradation to Palouse River.

VI. INFORMATION AVAILABLE FROM

01 CONTACT

02 OF (Agency/Organization)

03 TELEPHONE NUMBER

()

04 PREPARED BY

JOHN Anderson

05 AGENCY

EPA

06 ORGANIZATION

IOO

07 TELEPHONE NUMBER

208, 334-1456

08 DATE

12, 04, 87
MONTH DAY YEAR

LEGEND

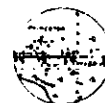
- Primitive road
- Unimproved road
- Graded and drained road
- Gravel road graded and drained
- Bituminous road - hot type
- Paved road
- Private road (non-commercial)
- Land road (non-commercial)
- Federal Aid Primary system
- Federal Aid Secondary system
- National Forest Highway
- U.S. numbered highway
- State numbered highway
- End of marked route
- End of Federal Aid System
- End of National Forest Highway
- Distance measured between points
- Gate across road
- Cattle guard
- Railroad
- Railroad station
- Grade crossing
- Railroad above
- Railroad below
- Intermittent stream
- Narrow stream
- Wide stream
- Wide stream with dam
- Levee, reservoir or pond
- Levee, reservoir or pond with dam
- Springs
- Minor structure (dam or hut)
- General bridge (over 100 ft)
- Truss bridge (over 100 ft)
- Hydraulic structure, built
- Hydraulic structure, bridge
- Stream, lake
- County line
- Township line
- Section line
- Marsh line
- Forest or reservation boundary line
- State Park boundary
- Highway district boundary
- County seat
- Other cities and villages
- Unincorporated city
- Camp ground
- Recreation area
- Swamp
- Road area
- Tractor path (under or across)
- Model number of unit
- Forest ranger station
- Camping or hunting station
- Gun club
- Ball court or country club
- Farm unit (in unit)
- Dwelling (in unit)
- Group of dwellings
- Dwelling and store
- Post Office
- Electric station
- Business (in unit)
- Business, filling station & Post Office
- Seasonal dwelling
- Church (in unit)
- Cemetery
- Church with cemetery adjacent
- Shed (in unit)
- Artificial structure (station)
- Highway garage (in unit)
- Pumping station (in unit)
- Pipe line, gas
- Transmission line
- Power substation
- Radio or television station
- Sanitary
- Warrents-general
- Grave elevator
- Nursery
- Gravel pit
- Garbage dump grounds
- Automobile graveyard
- Sanitary fill
- Cultural station of position
- Triangulation station
- Latitude and longitude
- Township, grange or community hall
- Public road



VILLAGE OF HARVARD

T. 41 N., R. 3 W.

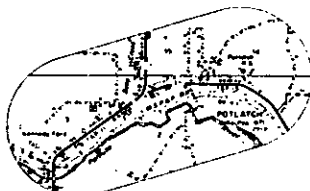
SCALE IN MILES



VILLAGE OF PRINCETON

T. 41 N., R. 4 W.

SCALE IN MILES



VICINITY OF POTLATCH

T. 41 & 42 N., R. 3 W.

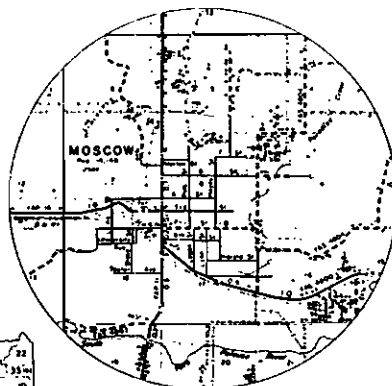
SCALE IN MILES



VILLAGE OF VIOLA

T. 40 N., R. 3 & 4 W.

SCALE IN MILES



MOSCOW AND VICINITY

T. 39 & 40 N., R. 3 & 4 W.

SCALE IN MILES



VILLAGE OF JOEL

T. 39 N., R. 4 W.

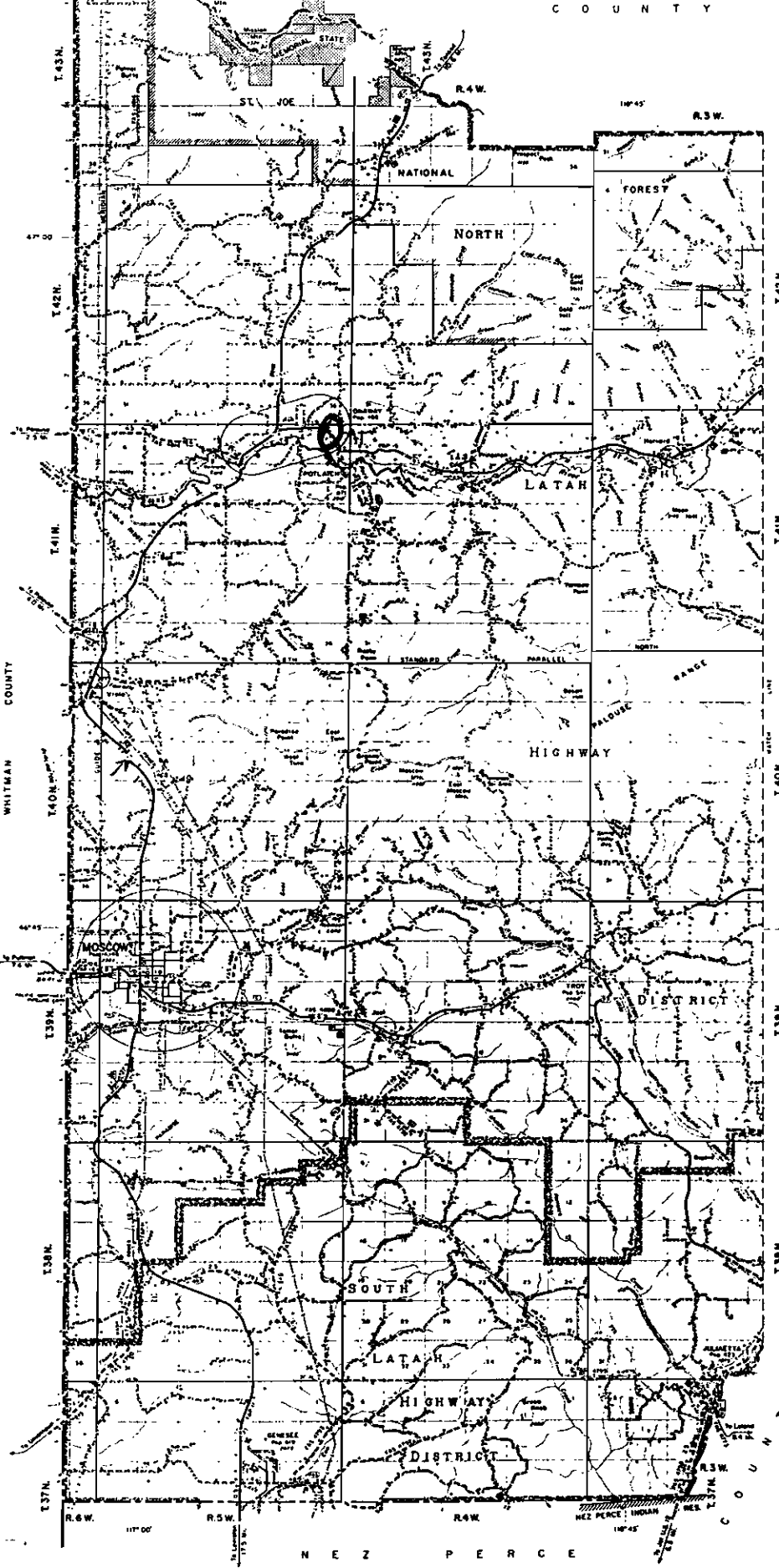
SCALE IN MILES

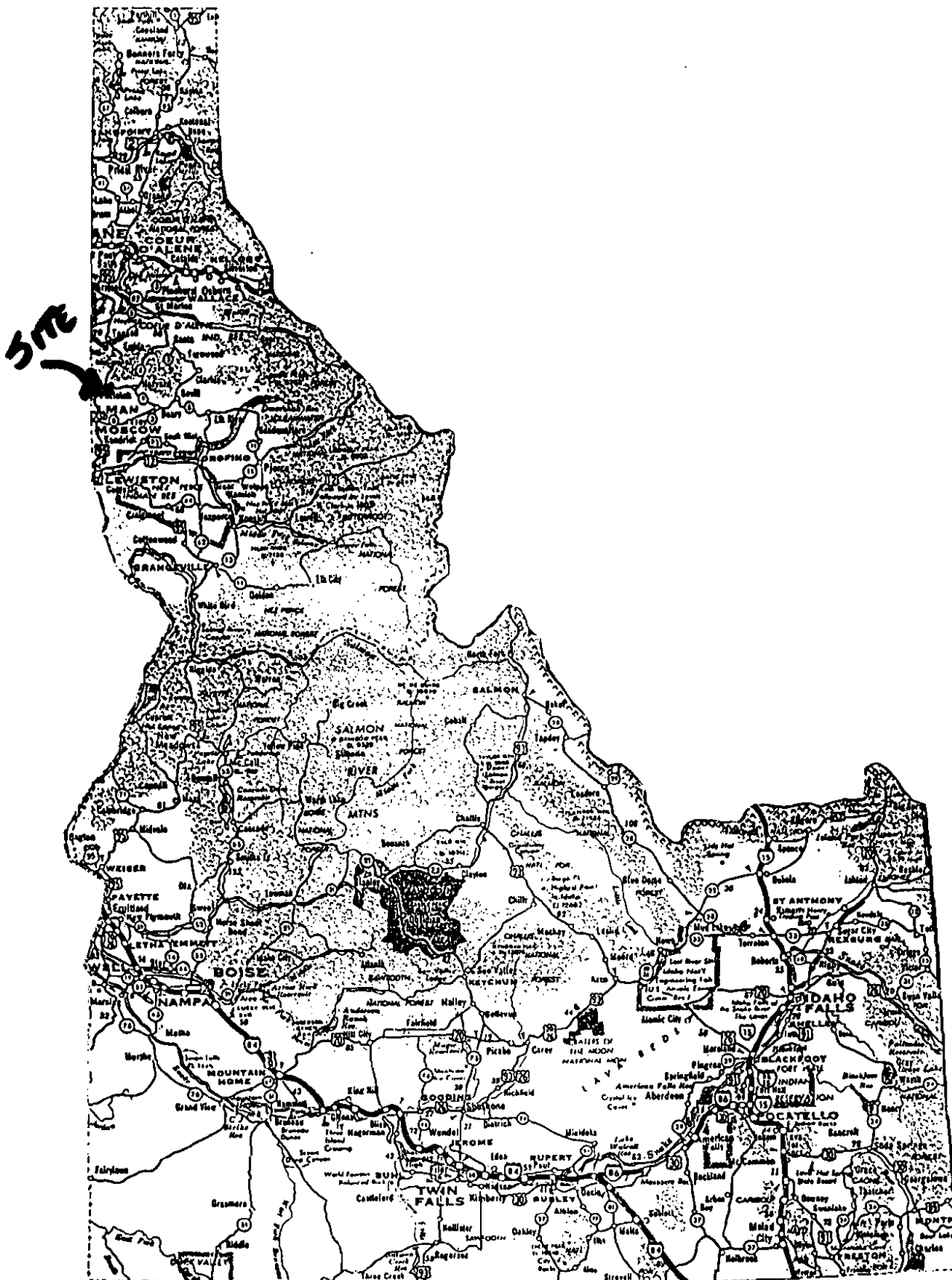
GENERAL HIGHWAY MAP LATAH COUNTY IDAHO

PREPARED BY THE
IDAHO TRANSPORTATION DEPARTMENT
DIVISION OF HIGHWAYS
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

SCALE
1 inch = 10 miles
FIELD DATA COLLECTED JUNE 1973
POLYCONIC PROJECTION

REVISIONS
STATE HIGHWAY SYSTEM
FEDERAL AID SYSTEM
LOCAL ROADS SYSTEM
CITY AND VILLAGE BOUNDARY
STATE





IDAHO

One Inch equals approximately 52.5 miles

SITE LOCATION MAP: POTLATCH FOREST INC. - LARGE MILL
 (CLOSED DOWN)
 POTLATCH, IDAHO
 LATAH COUNTY

TAIN RSW Sec



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1118 "F" Street, Lewiston, ID 83501-1986 (208) 799-3430

Cecil D. Andrus, Governor Richard P. Donovan, Director

August 12, 1991

Rich Gabriel
North Central District Health Dept.
Latah County Courthouse
Moscow, ID 83843

Dear Rich,

Enclosed for your information is a quick summary of the problems and proposed corrections at the old Potlatch mill site, Potlatch, Idaho. Past problems seem to suggest the advisability of restricting the use of this land from an ownership perspective. Restrictions will include discontinued use of the industrial well.

Sincerely,

DIVISION OF ENVIRONMENTAL QUALITY

George M. Dekan
George M. Dekan
Water Quality Compliance Officer

GMD/ba

xc: Jeff Zeller-Idaho Ag.
Jim White-IF&G
Joe Wyllie-IDEQ
Hudson Mann-IDEQ

FILE NOTE

RE: DUMPING AT ABANDONED MILL SITE - POTLATCH, IDAHO

8-7-91

George M. Dekan

On August 6, 1991 Rich Gabriel, NCDHD, informed DEQ that on August 5, 1991 the Sheriff's office had notified him of a pesticide dumped along the bank of the Palouse River at the old Potlatch mill site. Rich had investigated the morning of the 6th and found ten empty, unrinsed, 2½ gallon plastic Vitavax 200 jugs and some pink colored grain.

Later that same day I viewed the site, took pictures, and spoke with the City operator, Tom Andres, who explained that the site belonged to Potlatch Corporation, but that the City was allowed to haul brush to it. Earlier in the year granary manager, Wayne Kressel, had asked Tom for permission to haul pallets onto the site for disposal. Tom granted permission. Around July 20, 1991, pallets, grain, and the plastic bottles were hauled to the river edge and dumped on a pile of demolition lumber. Tom told Wayne that if problems occurred as a result of the dumping, Wayne would be responsible for cleaning it up.

Several days ago, Bill Mar of Potlatch found the debris, spoke with Tom, and then called the Sheriff.

I told Tom that I would discuss the situation with other concerned agencies and then work back through Potlatch Corporation.

I consulted with Jeff Zeller, Idaho Agriculture; Jim White, Idaho Fish and Game; and Joe Wyllie, DEQ; and then called Bill Hart of the Potlatch environmental staff.

On August 7, 1991 I explained the following to Bill Hart:

1. The jugs, grain and demolition waste must be cleaned up.
2. No burning would be allowed on the site including the tree trimmings the City is still hauling there.
3. There is an industrial well nearby that may back-siphon from McGregor's chemical haulers and contaminate the aquifer. I saw no safeguards.

Bill said Potlatch was not aware of what was going on, but they would check into it immediately and would keep DEQ informed.

On August 7, 1991 I learned that Mark Solomon, Latah County Commissioner, had phoned Hudson Mann two days earlier concerning this same problem. I brought Mark up to date. He said the County has citation powers on dumping. He will call Potlatch and discuss appropriate action.

8-9-91

Update from Bill Hart:

Potlatch removed the jugs on August 8, 1991. Their woods crew will clean up grain and demolition materials over the next few weeks. They will build a fence to keep all but the city crew off the property.

NA

well 1 (ridge well)



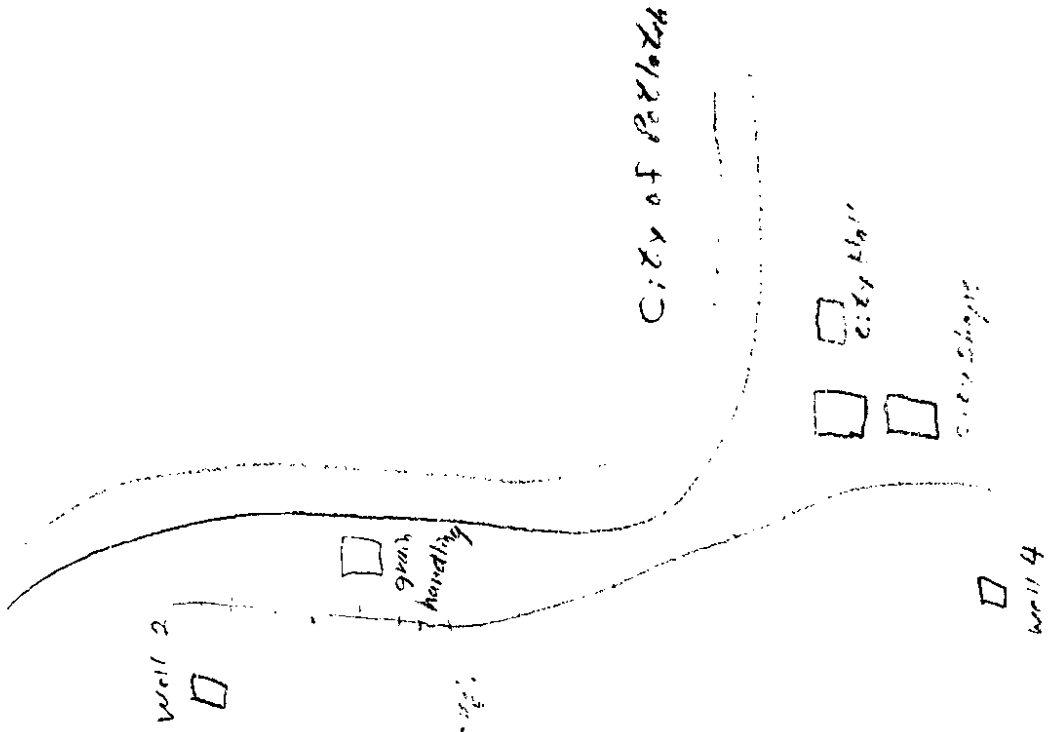
USFS

well 3



Ball Park well

White Pine Highway



Highway 95

Longitude

7' 30"

4
450 sec.

X .4362

60 / 196.29 sec

3.2715 = 3' 16"

115° 52' 30"
- 3' 16"

115° 49' 14"

17.1 centimeter
39.2 centimeter

4
.4362

Latitude

47° 14' 59"

LATITUDE AND LONGITUDE CALCULATION

Site: POTLATCH FOREST INC. T: 41N R: 5W Sec: 1
Topo. Map: Potlatch Quadrangle Map Date: 1960
Scale: 1:62500

Measurements from: NW NE SE SW corner.

- - + +
- + + -

Centimeter conversions:

Latitude
 $\frac{230''}{\text{cm}} \Rightarrow \frac{''}{\text{cm}}$
 $150''/19.21\text{cm} \Rightarrow 7.81''/\text{cm}$

Longitude
 $\frac{150''}{\text{cm}} \Rightarrow \frac{''}{\text{cm}}$
 $150''/14.21\text{cm} \Rightarrow 10.56''/\text{cm}$
 $150''/14.13\text{cm} \Rightarrow 10.62''/\text{cm}$
 $150''/13.73\text{cm} \Rightarrow 10.92''/\text{cm}$
 $150''/13.97\text{cm} \Rightarrow 10.74''/\text{cm}$
 $150''/13.34\text{cm} \Rightarrow 11.25''/\text{cm}$
(Sandpoint) $150''/12.86\text{cm} \Rightarrow 11.67''/\text{cm}$
(Twin Falls) $150''/14.29\text{cm} \Rightarrow 10.50''/\text{cm}$

Latitude:

Map centimeter to inches calculation:

A. 7.81 ''/cm for Topo. with scale of 1:24000

20.2 ''/cm for Topo. with scale of 1:62500

Coordinate calculation:

B. Site distance from corner point = 13.0 cm

C. [20.2 ''/cm] x [13.0 cm] = 262.6 '' = 4' 22.6 ''
(A.)above (B.)above (minutes & seconds)

D. 47° 00' '' + 4' 22.6 '' = 46° 55' 13.4 ''
(corner point coordinate) (C.)above (site latitude)

LONGITUDE:

Map centimeters to inches calculations:

E. 150'' or 300'' ÷ 10.1 cm = 29.7 ''/cm
(230'') (460'') (distance on map)

Coordinate calculation:

F. Site distance from corner point = 11.3 cm

G. [29.7 ''/cm] x [11.3 cm] = 335.6 '' = 5' 35.6 ''
(E.)above (F.)above (minutes & seconds)

H. 117° 00' '' + 5' 35.6 '' = 116° 54' 24.4 ''
(corner point coordinate) (G.)above (site longitude)

LATITUDE AND LONGITUDE CALCULATION

Site: Avery Railroad Dump T: 45N R: 5E Sec: 16
Topo. Map: Fishhook Creek, Idaho Map Date: 1969
Scale: 1:24000 (7.5 min)

Measurements from: NW NE SE SW corner.

-	-	+	+
-	+	+	-

Centimeter conversions:

Latitude
 $\frac{230^\circ/\text{cm}}{150^\circ/19.21\text{cm}} \Rightarrow \frac{^\circ/\text{cm}}{7.81^\circ/\text{cm}}$

	Longitude	
	<u>150°/cm</u>	=> <u>°/cm</u>
	150°/14.21cm	=> 10.56°/cm
	150°/14.13cm	=> 10.62°/cm
	150°/13.73cm	=> 10.92°/cm
	150°/13.97cm	=> 10.74°/cm
	150°/13.34cm	=> 11.25°/cm
(Sandpoint)	150°/12.86cm	=> 11.67°/cm
(Twin Falls)	150°/14.29cm	=> 10.50°/cm

Latitude:

~~Map centimeter to inches calculation:~~

A. 7.81 cm for Topo. with scale of 1:24000
20.2"/cm for Topo. with scale of 1:62500

Coordinate calculation:

B. Site distance from corner point = 17.1 cm

C. $[7.81 \text{ "/cm}] \times [17.1 \text{ cm}] = \underline{133.55 \text{ "}} = \underline{1 \text{ ' } 13.55 \text{ "}}$
 (A.)above (B.)above (minutes & seconds)

D. $\frac{47115'}{(\text{corner point coordinate})} + \frac{0'}{(C.) \text{ above}} = \frac{47115'}{(\text{site latitude})}$

LONGITUDE:

Map centimeters to inches calculations:

$$E. \frac{150''}{(2'30'')} \text{ or } \frac{300''}{(4'60'')} \div \frac{17.1}{(\text{distance on map})} \text{ cm} = \underline{8.77} \text{ ''/cm}$$

Coordinate calculation:

F. Site distance from corner point = _____ cm

G. $\frac{\text{[]}}{\text{[]}} \times \frac{\text{[]}}{\text{[]}} = \frac{\text{[]}}{\text{[]}} = \frac{\text{[]}}{\text{[]}}$
 (E.)above (F.)above (minutes & seconds)

$$H. \frac{11}{\text{(corner point coordinate)}} / \frac{7}{\text{(G.) above}} = \frac{11}{\text{(site longitude)}} / \frac{7}{\text{(site longitude)}}$$



State of Ida.)

DEPARTMENT OF HEALTH AND WELFARE
Division of Environmental Quality

450 W. State Street
Boise, Idaho 83720

CECIL D. ANDRUS
Governor
RICHARD P. DONOVAN
Director

June 1, 1989

MEMORANDUM

TO: Debbie Flood
EPA, Region X

FROM: Kim L. Custer, Senior Hazardous Materials Specialist
Policy and Standards Section

SUBJECT: Potlatch Forest Inc.-Large Mill (Closed)

Due to the lack of information regarding a potentially hazardous substance at this site, there was insufficient data available to calculate a Preliminary HRS Score for this site.

KLC/06K8/002

cc: Dave Bennett
Source File

PALOUSE RIVER BASIN

13345000 PALOUSE RIVER NEAR POTLATCH, ID

LOCATION.—Lat 46°54'55", long 116°57'00", in NE 1/4, NW 1/4, sec.10, T.41 N., R.5 W., Latah County, Hydrologic Unit 17060108, on left bank 20 ft downstream from bridge on U.S. Highway 95, 1.0 mi downstream from Deep Creek, 2.0 mi west of Potlatch, and at mile 132.2.

DRAINAGE AREA.—317 mi².

PERIOD OF RECORD.—October 1914 to September 1919, December 1966 to current year.

GAGE.—Water-stage recorder. Datum of gage is 2,455.11 ft above National Geodetic Vertical Datum of 1929 (levels by Idaho Department of Highways). October 1914 to September 1919, water-stage recorder at site 0.2 mi upstream at different datum.

REMARKS.—Records good. Low and medium flows regulated at millpond in Potlatch prior to 1974. Small amounts of water diverted for sprinkle irrigation systems above gage.

AVERAGE DISCHARGE.—25 years (1915-19, 1968-87), 268 ft³/s, 11.48 in./yr, 194,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 10,100 ft³/s Jan. 16, 1974, gage height, 21.08 ft; minimum daily, 0.07 ft³/s Sept. 24, 1973.

EXTREMES FOR CURRENT YEAR.—Peak discharges above base of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 4	0800	*1870	*11.31	No peaks greater than base discharge.			

Minimum daily discharge, 2.7 ft³/s Sept. 27.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 10-27, Mar. 17-23, May 5 to June 9;
stage-discharge relation affected by ice Dec. 10-12, 18-20, Jan. 11-12)

3.8	1.5	4.3	14	6.0	200
3.9	2.8	4.6	31	7.0	386
4.0	4.9	5.0	66	8.0	625
4.1	7.4	5.5	125	10.0	1280
				12.0	2220

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	40	162	36	704	105	176	178	104	16	11	4.2
2	37	31	119	35	536	369	176	143	74	15	9.7	4.0
3	29	25	82	46	428	999	190	116	59	15	9.2	3.5
4	24	25	78	85	280	1650	223	100	49	16	8.9	3.4
5	21	23	79	79	227	1260	246	90	43	18	8.3	3.4
6	19	25	88	62	195	1210	247	81	40	22	7.9	3.5
7	17	36	76	51	200	1170	238	75	34	22	7.4	3.2
8	17	41	66	43	207	911	237	70	35	18	8.5	3.2
9	16	36	43	32	223	789	246	64	35	14	9.1	3.0
10	14	27	e38	28	228	719	217	62	35	14	7.7	3.0
11	14	26	e39	e28	246	670	322	60	31	15	6.9	3.1
12	13	23	e40	e29	234	622	281	57	29	17	6.0	3.2
13	12	28	42	30	323	733	236	63	28	15	5.8	3.2
14	12	30	44	30	476	815	210	59	26	13	6.3	3.2
15	13	39	44	27	451	697	193	56	25	12	7.3	2.9
16	12	41	43	22	402	657	183	57	28	11	8.6	2.8
17	12	42	35	24	450	641	179	52	31	10	8.8	2.8
18	13	50	e29	26	441	702	194	48	29	11	8.5	3.0
19	12	60	e29	26	341	599	175	46	34	24	7.6	3.3
20	13	78	e30	25	274	544	153	40	51	40	6.7	5.0
21	14	126	31	24	235	482	138	41	41	25	5.9	4.2
22	15	126	32	24	221	420	130	42	41	19	5.8	3.7
23	14	114	33	25	187	360	125	41	39	28	5.6	3.3
24	15	209	37	28	151	316	124	38	31	45	5.6	3.0
25	15	267	37	30	113	283	119	38	28	29	5.6	2.8
26	16	161	36	38	110	265	111	42	25	24	5.6	2.8
27	16	148	37	77	100	245	104	87	21	20	5.4	2.7
28	17	413	33	85	111	223	99	69	19	17	5.0	2.8
29	19	433	31	68	---	196	103	54	18	16	4.9	3.0
30	27	244	39	65	---	190	101	48	16	14	4.5	3.3
31	46	---	39	69	---	182	---	87	---	12	4.2	---
TOTAL	596	2967	1591	1297	8094	19024	5476	2104	1099	587	218.3	98.5
MEAN	19.2	98.9	51.3	41.8	289	614	183	67.9	36.6	18.9	7.04	3.28
MAX	62	433	162	85	704	1650	322	178	104	45	11	5.0
MIN	12	23	29	22	100	105	99	38	16	10	4.2	2.7
AC-FT	1180	5890	3160	2570	16050	37730	10860	4170	2180	1160	433	195
CFSM	.06	.31	.16	.13	.91	1.94	.58	.21	.12	.06	.0	.0
IN.	.07	.35	.19	.15	.95	2.23	.64	.25	.13	.07	.0	.0

CAL YR 1986 TOTAL 80737.5 MEAN 221 MAX 3130 MIN 3.6 AC-FT 160100 CFSM .70 IN. 9.47
WTR YR 1987 TOTAL 43151.6 MEAN 118 MAX 1650 MIN 2.7 AC-FT 85590 CFSM .37 IN. 5.06

e Estimated

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Minimum daily discharge, 2.7 ft³/s Sept. 27.

Rating table (gage height, in feet, and discharge, in cubic feet per second)
(Shifting-control method used Nov. 10-27, Mar. 17-23, May 5 to June 9;
stage-discharge relation affected by ice Dec. 10-12, 18-20, Jan. 11-12)

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3.9	2.8	4.6	31	7.0	386
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				12.0	2220

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8	17	41	66	43	207	911	237	70	35	18	8.5	3.2
9	16	36	43	32	223	789	246	64	35	14	9.1	3.0
10	14	27	e38	28	228	719	217	62	35	14	7.7	3.0
11	14	26	e39	e28	246	670	322	60	31	15	6.9	3.1
12	13	23	e40	e29	234	622	281	57	29	17	6.0	3.2
13	12	28	42	30	323	733	236	63	28	15	5.8	3.2
14	12	30	44	30	476	815	210	59	26	13	6.3	3.2
15	13	39	44	27	451	697	193	56	25	12	7.3	2.9
16	12	41	43	22	402	657	183	57	28	11	8.6	2.8
17	12	42	35	24	450	641	179	52	31	10	8.8	2.8
18	13	50	e29	26	441	702	194	48	29	11	8.5	3.0
19	12	60	e29	26	341	599	175	46	34	24	7.6	3.3
20	13	78	e30	25	274	544	153	40	51	40	6.7	5.0
21	14	126	31	24	235	482	138	41	41	25	5.9	4.2
22	15	126	32	24	221	420	130	42	41	19	5.8	3.7
23	14	114	33	25	187	360	125	41	39	28	5.6	3.3
24	15	209	37	28	151	316	124	38	31	45	5.6	3.0
25	15	267	37	30	113	283	119	38	28	29	5.6	2.8
26	16	161	36	38	110	265	111	42	25	24	5.6	2.8
27	16	148	37	77	100	245	104	87	21	20	5.4	2.7
28	17	413	33	85	111	223	99	69	19	17	5.0	2.8
29	19	433	31	68	---	196	103	54	18	16	4.9	3.0
30	27	244	39	65	---	190	101	48	16	14	4.5	3.3
31	46	---	39	69	---	182	---	87	---	12	4.2	---
TOTAL	596	2967	1591	1297	8094	19024	5476	2104	1099	587	218.3	98.5
MEAN	19.2	98.9	51.3	41.8	289	614	183	67.9	36.6	18.9	7.04	3.28
MAX	62	433	162	85	704	1650	322	178	104	45	11	5.0
MIN	12	23	29	22	100	105	99	38	16	10	4.2	2.7
AC-FT	1180	5890	3160	2570	16050	37730	10860	4170	2180	1160	433	195
CFSM	.06	.31	.16	.13	.91	1.94	.58	.21	.12	.06	.0	.0
IN.	.07	.35	.19	.15	.95	2.23	.64	.25	.13	.07	.0	.0

CAL YR 1986 TOTAL 80737.5 MEAN 221 MAX 3130 MIN 3.6 AC-FT 160100 CFSM .70 IN. 9.47
WTR YR 1987 TOTAL 43151.6 MEAN 118 MAX 1650 MIN 2.7 AC-FT 85590 CFSM .37 IN. 5.06

e Estimated

Hudson —

I went through the "Family Tree" and got you some more info on Potlatch.

WIMRR was headquartered there; they had a machine shop and a car repair shop as well as the roundhouse, but I couldn't find any records of either their purchasing RR ties or production records from Potlatch for ties.

Weyerhaeuser has produced creosote-treated poles (for powerlines, etc.) since 1907 until creosote was discontinued. Potlatch, though, only had a treatment facility until about 1932 when the only 2 creosote treatment yards were at Ahsahka and Bovill. In 1932, Ahsahka produced 208 cars of poles and pulpwood in 9 months, and there was a pole drive that brought in 9,000 poles that year. (Those are the only production estimates I could get) Later, in '35 Ahsahka was producing 500 car loads per year of treated poles.


By the way, none of Weyerhaeuser's poles are full-length treated - only to 1 ft above ground.

Pam


July 3

Hudson,


This is the original report completed by Kim Custer in 1989. The PA needs some fleshing out to conform to what the EPA now expects. I rewrote the report while still working on Avery (text enclosed also) and realized that it was still inadequate after jumping through all the hoops for Avery. The Potlatch PA needs some documentation similar to that in the Avery PA. I hurriedly rewrote Kim's text and didn't really reference anything. He has provided references at the back of her PA. Can you improve the documentation. In general, the PA requires a site visit to improve on section B as in the Avery PA. Need to look for nearest residence and distance, any remnant facilities, etc., current use of site




Product	42 381	50 SHEETS	5 SQUARE
42 382	100 SHEETS	5 SQUARE	
42 389	200 SHEETS	5 SQUARE	




Product	42 381	50 SHEETS	5 SQUARE
42 382	100 SHEETS	5 SQUARE	
42 389	200 SHEETS	5 SQUARE	



Product	42 381	50 SHEETS	5 SQUARE
42 382	100 SHEETS	5 SQUARE	
42 389	200 SHEETS	5 SQUARE	



Product	42 381	50 SHEETS	5 SQUARE
42 382	100 SHEETS	5 SQUARE	
42 389	200 SHEETS	5 SQUARE	



Product	42 381	50 SHEETS	5 SQUARE
42 382	100 SHEETS	5 SQUARE	
42 389	200 SHEETS	5 SQUARE	

All our current PAs need to be completed by September, including the Pollatch PA.

Supposedly, Debbie Flood and Debbie Robinson ^(Region EPA)

will be here in the middle of this month to get us started on our new grant for

the PA/SE program for FY 1992. We

hope to submit 20-25 site discoveries for potential PAs. Lane and Dean have

some ideas ~~into~~ of how they want to split the FTEs between you and me.

Anyway, I'll keep you posted on what goes on down here, and will appreciate your help with the Pollatch PA.

Thanks

Chde Cody

Potlatch Forest Inc.-Large Mill

Preliminary Assessment

Report Prepared By: Idaho DEQ-HMB

Date: May 1989

Contents

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PRELIMINARY ASSESSMENT

Site Name: Potlatch Forest Inc.-Large Mill
ID#: IDD009061714
Map Location: Topo Map: Potlatch Quadrangle (1960)
Scale = 1:62,500
T41N R54 Sec. 1
Latitude = 46° 55' 37.4"
Longitude = 116° 54' 24.4"
County: Latah
Directions to Site: Heading north out of Moscow on U.S. Highway 95, turn off onto State Highway 6 going east. The mill was located on the right side of the Highway, on the outskirts of the town of Potlatch.
Approximate Acreage: 328 acres.

SITE VICINITY DESCRIPTION

Population: There are approximately 800 people living within a one-mile radius of the old sawmill. There are about 900 people living within a three-mile radius. The nearest residence is approximately 500 feet from the edge of the site.

Adjacent Land Use: Primarily agricultural.

Site Accessibility: The site is easily accessible to the general public; there is no fence around the property.

Climate: There is a weather station in Potlatch. The mean annual precipitation is 25.01 inches. The average annual lake evaporation is 34 inches.
The mean annual temperature is 45.9° F. The warmest month is July with a mean temperature of 64.2° F.

Geology/Soils: The soils mapped at the site are Hampson silt loams with 0-3 percent slopes. These soils are found on valley floors, and are very deep and moderately well drained. They were

formed in alluvium derived from mixed sources. A typical cross-section of these soils is:

0-7 inches: dark gray silt loam, very dark brown moist; slightly acid,

7 to 11 inches: gray silt loam, very dark brown moist; slightly acid,

11 to 18 inches: graying brown silt loam, very dark grayish brown moist; neutral,

18 to 28 inches: light brownish gray silt loam, very dark grayish brown moist; neutral,

28 to 36 inches: light gray loam, brown moist; neutral,

36 to 60 inches: light brownish gray silt loam, dark grayish brown moist; neutral. (9)

Groundwater: Potlatch is located in the Palouse River groundwater system. This system is within the fine-grained sediments and Columbia River Basalts that filled the valley lowlands. Little is known about the specific geologic and hydrologic characteristics of this system, but yields to wells are apparently restricted. Recharge is probably from downward percolation of precipitation and snowmelt, runoff from surrounding uplands and leakage from the Palouse River and tributaries. The quality of groundwater is apparently suitable for domestic use, but levels of dissolved iron and dissolved solids may exceed the secondary drinking water standards.

An estimated 3,900 people currently use this groundwater system for domestic water. (4)

Direction of underground flow is toward the Palouse River.

Surface Water/
Drainage:

The old sawmill was located immediately north of the Palouse River. The Palouse River is used as an agricultural supply of water and for recreation in this area. The elevation of the site slopes from 2,480 to 2,440 feet. Drainage is south by southwest, toward the river.

SITE DESCRIPTION

Owner: Potlatch Corporation
805 Mill Road
Lewiston, ID 83501

This property has been owned by the Potlatch Corporation since 1906. (7) There was a very large sawmill on the site that shutdown in the late 1970s. A demolition business cleared the property of all buildings and structures. Presently, there are only some old foundations on the site.

This site was to be investigated under CERCLA because chemical wood treating was suspected to have taken place at the site. After checking with Potlatch Corporation, the North Central District Health Department, and the Lewiston Division of Environmental Quality Field Office, as well as a former employee who worked at the site, there is no evidence that wood treating took place on this site (see Appendix C). There have not been any reports of hazardous materials being disposed of on the site or suspected of contaminating the site.

PRIORITY ASSESSMENT

At the present time, there is no evidence that this site is posing a potential threat to human health or the environment. There is no evidence of wood treating at the site, and no visible signs of improper disposal of hazardous materials have been observed at the site. Therefore, the priority rating for this site is recommended to be NFRAP (No Further Remedial Action Planned).

- 509-878 1811 City of Palouse ^{clearly}
- 509-332-6235 Pullman SCS
- ~~Jerry Harper - ASCS -~~
- June Johnson - SCS - Colfax's Supervisor
- Jan - Feb - Floods Annually -
- Canyon - Palouse to Colfax.

Palouse City

soil pathways. note significantly above background levels

containment

- Need distance rings for GW

If waste is still on site then site isn't considered remedial.

- CERCLIS

Paul Hand Potlatch.

11-4-91

Rutledge Mill Site - had blue stain treatment

- Johnson - Potlatch Transformers - were disposed
Property by GE at Arlington, OR.
TSD.

Totlaard, Sawmill, and Machinery salvaged
hauls.