

"Solutions to water quality, quantity, permitting & planning issues"

February 9th, 2024

William Haberman Managing Member Valiant Idaho II, LLC 151 Clubhouse Way Sandpoint, ID 83864 **IDAHO DEPARTMENT OF LANDS** 

MAY 13 2024

PEND OREILLE LAKE AREA

**SUBJECT:** 

Hydrogeological Interpretation - Trestle Creek Drainage, Idaho

North Trestle Creek Man-made Island Removal Project

Dear Mr. Haberman:

This letter report documents Water & Natural Resource Group Inc. (WNR Group) preliminary interpretation of the hydrogeologic conditions in the lower Trestle Creek drainage to support Valiant Idaho II, LLC (Valiant), in consultation with the Idaho Club, proposed community dock project located north of the outfall of Trestle Creek into Lake Pend Oreille. As part of the community dock project, removal of the previous constructed "island" is proposed to restore the shoreline to its ancestral natural lakebed levels. Specifically, the regulatory agencies have requested an interpretation of the hydrogeologic setting at the site, and the hydraulic continuity to surface water by a licensed professional in order to understand the potential effects, if any, on the surface and groundwater if the proposed project is completed. This letter report includes a summary of readily available information reviewed for the interpretation of the groundwater aquifer at the site and its connection with the surface water.

# QUALIFICATIONS OF PERSON CONDUCTING REVIEW

Gene St.Godard is a licensed Geologist in Idaho (PG #862) and a Professional Geologist/Hydrogeologist in Washington (L.Hg. #129). Mr. St.Godard with the WNR Group is also licensed geologist in Oregon (R.G. #1630) and California (R.G. #6247), certified hydrogeologist in California (C.Hg. #593), a Certified Water Right Examiner (CWRE) in Idaho (#134) and CWRE in Washington State (#004). He has a bachelor's degree in Geology from Mansfield University of Pennsylvania and a Master of Science degree in Geology from Eastern Washington University. Mr. St.Godard has over 35 years of professional experience in the northwestern United States conducting geologic, hydrogeologic and surface-groundwater continuity projects. The geologic and hydrogeologic conditions of the site are his professional interpretation and opinion on the groundwater conditions at the Site, at the time of this assessment, based on readily available data.

In May 2004, Mr. St.Godard formed the WNR Group to provide water resource services to clients throughout northern Idaho and eastern Washington and Oregon. The WNR Group has extensive experience in conducting hydrogeologic and hydrologic studies to demonstrate assured sustainable water supplies in accordance with state and federal guidelines. These include basin wide water hydrogeological evaluations and water balances, regional and localized aquifer characteristic studies, conducting hydraulic continuity analyses, and impairment analyses.

#### INTRODUCTION

The WNR Group was retained to perform a preliminary hydrogeologic review to support a proposed community dock project. The project site is located approximately three (3) miles northwest of the town of Hope, Idaho, near the mouth of Trestle Creek west of Highway 200 at the shoreline of Pend Oreille Lake (Figure 1). Specifically, the site is located within Gov't Lot 5 in the SE¼SE¼ Section 17 and the SW¼SW¼ Section 16, T57N, R01E (Figure 2).

The preliminary hydrogeologic review was conducted in order to provide a professional opinion as to the hydrogeologic setting of groundwater at the existing site of the proposed community dock. This interpretation was based on readily available information, primarily published government documents, driller well logs, geologic maps and data, and known hydrogeologic reports at and in the vicinity of the site. No intrusive field data collection was conducted, including the completion of drilling activities to determine geology and groundwater depth.

The WNR Group reviewed readily available hydrogeologic reports and data in the vicinity of the subject site in an attempt to develop an understanding of the hydrogeologic setting at the subject Site. The WNR Group attempted to identify uses of existing data at and in the immediate vicinity of the Site as recorded in readily available government documents. These sources and findings are summarized in the sections that follow.

Note: It needs to be noted that of the difference in data elevations presented in this report. Government elevation data presented or reproduced in this document is reported as NGVD29 datum in their databases. Whereas, elevation data collected and presented under recent studies is in the NAVD88 datum. NGVD29 is the abbreviation for the National Geodetic Vertical Datum of 1929, the predecessor to NAVD88. Due to the advancement of technology and surveying methods, the increased amount of available data and the level of accuracy of that data led to the new datum. The original datum used 26 tide stations throughout the United States and Canada and recorded changes in tide levels to establish a starting line of 0 ft. elevation to measure and compare heights of buildings, floodplains, mountains, etc. NAVD88 is the abbreviation for the North American Vertical Datum of 1988. NAVD 88 is one of five current National Geodetic Datums, which are coordinate systems that act as standard reference lines to measure points on the earth's surface in the region that they apply. NAVD88 is more accurate while collecting field data in the current time. However, government databases which extend well before 1988, typically still present the data in NGVD29. Where used in this report, the difference at the site is noted and compared. For the area of the site, the USGS uses a correction factor of +3.87 feet (NGVD29 to NAVD88) at their lake level gaging station 12392500 near Hope, Idaho. When interpreting data in this report, the reader should be aware to which datum is being referenced for the measurement.

The proposed action at the site is to construct a new community dock facility. In order to accomplish the project, the proponent needs to excavate soil materials that were placed as an "island" during the initial construction of the boat docks currently at the site. During the initial development phase, the current inlet and embayment was excavated out in order to create more shoreline to place boat docks which paralleled the newly created shoreline. Material excavated out at this time was placed at the site as fill, creating the current configuration of the "island." The proposed project will be to remove this previously placed fill material that created the island and now backfill in the previously excavated sloughs, to allow docks to be placed within the bay. Figure 3 presents the engineering drawings of the current configuration of the sloughs, Figure 4 depicts the proposed actions needed for completion of the project, and Figure 5 an engineering drawing of the proposed completed project. Additional information on the proposed actions can be found within the J.A. Sewell and Associates engineering drawing exhibits submitted for support the US Army Corps of Engineers Joint Permit (December 2023). The proposed action would also realign the North Fork Trestle Creek (NFTC) to return its flow back to Trestle Creek. This action is discussed later in the report.

#### PHYSIOGRAPHIC SETTING

The project site is in the Lake Pend Oreille subbasin, which is bordered to the west by the Selkirk Mountains, to the north by the Cabinet Mountains, and by the Bitterroot Mountains to the east. The basin was substantially modified by Pleistocene glaciation, and was the site of the ice dam that created the largest catastrophic floods documented in the earth's history (Rain Shadow Research, Inc., 2008). Glacial advances resulted in highly dissected watersheds, depositing glacial sediments (till and outwash) throughout the Lake Pend Oreille tributaries.

Several times during the Pleistocene "Ice Age," vast glaciers originating in Canada advanced into the northern part of the Columbia Plateau, northern Idaho, and Montana. Glacial meltwater streams from northern Washington, along with gigantic floods caused by sudden breakage of ice-dammed lakes in the Selkirk and Rocky Mountains to the northeast of the Columbia Plateau (Glacial Lake Missoula) cut deep channels (coulees) across the Columbia Plateau. Lake Pend Oreille was formed by the Pleistocene glaciation. Lake Pend Oreille is approximately 43 miles long, 1,152 feet deep, and has over 111 miles of shoreline. The lake covers approximately 85,960 acres and is dammed on the Pend Oreille River outlet by Albeni Falls dam just east of Oldtown, Idaho. The site lies along the northeastern shore of Lake Pend Oreille, approximately 3 miles west of Hope, Idaho at the mouth of Trestle Creek.

#### HYDROGEOLOGIC FRAMEWORK

This section of the report summarizes the geologic and hydrogeologic framework at and in the immediate vicinity of the site. The WNR Group reviewed available data to develop an understanding and interpretation of the lithologic, hydrologic, and hydrogeologic characteristics which compose the groundwater system at the site, and the hydraulic connection to surface water of NFTC and Lake Pend Oreille. Understanding these characteristics is important in developing a conceptual model of hydrogeologic setting at the present time, and inferring conditions after the project is completed.

Surface Topography – WNR Group reviewed available United States Geological Survey (USGS) topographic quadrangle maps for the Site and vicinity to determine the physical setting of the Site. The Site is located within the southwestern area of the Trout Peak, Idaho 7-1/2-minute quadrangle map dated 1996. The Site is located at the mouth of Trestle Creek (Figure 6). The general slope of the Trestle Creek area is to the west-southwest. Trestle Creek sits within a deeply incised tributary valley that has steep bedrock slopes (Figure 6). The valley floor is filled in with glacial and alluvial sediments, with the lower mile of the drainage having a slope of approximately 0.026 ft/ft (approximately 140 ft drop per mile). Trestle Creek drainage is approximately 8-miles long with the headwaters to the northeast on the southeastern slope of Trestle Ridge (USGS(a)).

#### Geologic Setting - Maps and Reports

The WNR Group reviewed the Idaho Geological Survey geologic map for Idaho interactive map site (2023), the USGS (Miller & others, 1999) Digital Geologic Map of the Sandpoint 1- x 2-Degree Quadrangle, and the Geologic Map of the Trout Peak Quadrangle (Reed and others, 2006). The geologic maps revealed that the Trestle Creek drainage is primarily filled with Quaternary Age glacial till deposits (Qgt) as shown on the regional geologic map (Figure 7). The lower half mile of the drainage and at the subject site is underlain by Quaternary Age unconsolidated alluvial fan deposits (Qaf) as shown on the Trout Peak geologic map (Figure 8). Groundwater is inferred to flow to the west-southwest in the area of the site, mimicking the valley floor.

**Regional Geology** – This section provides a generalized conceptual review of the geology in the area of the Valiant Idaho II, LLC area. The generalized regional geology of the area is best summarized by Reed and others (2006) as:

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"The oldest and most abundant rocks in the Trout Peak quadrangle are low metamorphic grade metasedimentary rocks of the Prichard Formation of the Proterozoic Belt-Purcell Supergroup. These rocks host penecontemporaneous mafic sills. A pluton of Cretaceous age is also present within the Belt Supergroup. Tertiary intrusions occur in both as dikes. The quadrangle was glaciated by the Purcell Trench Lobe of the Cordilleran ice sheet which dammed the Clark Fork drainage south and east of the quadrangle and formed glacial Lake Missoula. Ice filled the Trout Creek basin with ground moraine and crossed divides into the Trestle Creek drainage. Small alpine valley glaciers occupies high cirques in the upper Trestle Creek drainage after the Purcell Lobe retreated about 12,000 years ago."

The geologic maps revealed that the area of Trestle Creek is underlain by Quaternary Age glacial till (Qgt) and alluvial fan deposits (Qaf). Areas along the shoreline are mapped as Holocene-Pleistocene alluvium and deltaic deposits (Qad) which are representative interbedded alluvium at the mouth of the Pack River and its delta in Pend Oreille Lake deposited prior to the construction of Albeni Falls Dam. The bedrock walls of the Trestle Creek valley consist various Precambrian metamorphic Belt rocks of the Prichard Formation (Ypab, Ypm, Ypd, Ypc) with areas intruded with Middle Proterozoic mafic intrusive rocks (Ymi). Figure 9 presents a regional cross section from the Reed and others (2006) geologic map. As shown on the cross-section Trestle creek is filled in with a thin layer of glacial till overlying the easterly dipping Precambrian Prichard bedrock.

Site Soil and Geologic Conditions – Visual inspection of soils determined that the shallow soils at the Site consist of brown silty sand with varying amounts of clay and gravel, typical of glacio-fluvial and alluvial fan deposits found in area. These sediments appear to be deposited as valley fill during that last period of glaciation. A well was installed at the site in March 2022 and the well log is presented in Figure 10. This well (D0090671) encountered a mixture of clay, silt and gravel (interpreted to be the alluvial fan deposits) to a depth of 20-feet, where wet clay and gravel was encountered from 20 to 40-feet (inferred to be glacial till), overlying a large gravel and coarse sand deposits to the full depths explored of 80 feet (inferred to be ancestral alluvial or flood deposits). Groundwater was first encountered at a depth of 50 feet, with the static water level rising to 15 feet below grade after the well was installed. This is indicative of a saturated aquifer that is under confined to semi-confined conditions.

A second older well is also located on the site, approximately 150 feet northwest of the new well. No well log or construction details were found for this well. Table 1 presents the GPS measurements collected on the two wells located at the project site.

Table 1: Information on wells located at the project site

Source Name	Well Tag	Township	Range	Section	QQQ	Latitude	Longitude
New Well	D0090671	57N	01E	16	SWSW	48.28325	-116.35153
Old Well	No tag	57N	01E	16	SWSW	48.28360	-116.35190

Groundwater Conditions – Groundwater in the Trestle Creek drainage consists of two aquifer systems. These comprise a shallow unconfined to semi-confined unconsolidated sediment aquifer that is bounded on all sides by the bedrock. Yields from these saturated silt, sand and gravel sediments can be 10's to 100's of gallons per minute (gpm), and are highly dependent upon the silt and clay content which can decrease the permeability of the soil. Water recharging these aquifers would primarily be from precipitation, snow pack, and bedrock fracture springs in the headwaters of the drainage. Water availability in the shallow unconsolidated aquifer may vary dependent upon weather and precipitation patterns. The nature and extent of the shallow unconsolidated valley fill aquifers is highly variable, with some areas containing confined to semi-confined aquifer conditions due to overlying lacustrine silt and clay sediments or clay rich till deposits. The charge is primarily in the form of precipitation infiltration, surface water infiltration, and recharge from deeper bedrock aquifers.

The second groundwater system is within the fractures within the Precambrian argillite and siltites bedrock. The bedrock fractures can vary in size and yield. Yields from these bedrock fractures are typically low, less than 10 gpm. Groundwater yields within the granite bedrock can vary dependent upon the thickness of the fractures, numbers of fractures screened through, precipitates in the fractures, well screen, and dependent on well construction (well efficiency). Water in the bedrock fractures are typically under some hydraulic head and may have an upward migration that recharge the valley fill aquifers, and/or emanate at the ground surface as springs.

IDWR Water Well Logs - An Internet search of the Idaho Department of Water Resources water well database was conducted. A GIS search criterion of ½-mile radius from the property was entered, as shown in Figure 11 and 12. Thirty-one (31) groundwater wells were identified within the ½-mile search radius of the site within the IDWR database. Two wells were located on the valley walls and founded within the fractured bedrock. The remaining 29 well logs were within the unconsolidated aquifer (one well within the database was the new well recently installed at the site).

The well logs reviewed for this analysis are presented in Table 2. The well logs were reviewed for geology and groundwater conditions. These wells generally intercepted two hydrogeologic systems: 1) a shallow unconsolidated unconfined aquifer system located within the valley fill sediments in the incised valley of Trestle Creek, and 2) a fractured basement bedrock aquifer which is located within the valley walls and the bedrock beneath the unconsolidated aquifer. This hydrogeologic unit is the basement rock which is present at an elevation above that of the surrounding regional unconsolidated aquifer. Well logs reviewed for this analysis are attached to this report.

The sand & gravel valley aquifer system is the main water supply directly associated with this project site. Groundwater yields within the sand and gravel aquifer can vary dependent upon amount of silt and clay in the matrix, well screen length, and dependent on well construction (well efficiency). Generally, in the area northwest of the site, it appears that the sand and gravel with some cobble/boulder aquifer has sustained yields ranging from 15 to 100+ gpm, well above the required needs of a domestic well. Review of well logs in the immediate area of the site indicates that the groundwater directly below the site is hosted within the Rathdrum Prairie aquifer system.

One well (D0090671) identified in the search is located in the eastern portion of the site. This well was completed to a depth of 80 feet below grade. The well log encountered a mixture of clay, silt and gravel to a depth of 20-feet, where wet clay and gravel was encountered from 20 to 40-feet overlying a large gravel and coarse sand deposits to the full depths explored of 80. Groundwater was first encountered at a depth of 50 feet, with the static water level rising to 15 feet below grade after the well was installed. This is indicative of a saturated aquifer that is under confined to semi-confined conditions.

Groundwater in the sand and gravel aquifer in the area of the site is recorded at depths of approximately 10 to 30 feet below grade, dependent upon topographical elevation of the well head. Data reviewed is representative that the Trestle Creek valley fill aquifer is bounded by bedrock in the drainage. Groundwater depths in the wells are generally shallow throughout the drainage and appear to be within 10 to 20 feet of the ground level. The groundwater flows down the drainage in a southwesterly direction towards the project site, where it discharges to the hydrologic system of Lake Pend Oreille.

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F					Table 2: Summary of Well Log Information	ummary	of Wel	Log Inf	ormation						
Well		Metal Tag Number	Owner	Township	Range	gg	Qtr	Sect.	Production (gpm)	Static Water (FT)	Casing Depth (FT)	Total Depth (FT)	Construction Date	Casing Diam (in.)	Aquifer Type
270784	$\rightarrow$		HARVEY KOHWER	57N	01E	NE	SW	16	15	70	26	26	4/9/1980	9	Gravel
414166	843991	D0051273	PEND OREILLE BONNER DVLP LLC	57N	01E	NE	SW	16	0	18	7	39	12/6/2006	9	Sand & Gravel
414167	843992	D0051274	PEND OREILLE BONNER DVLP LLC	27N	01E	NE	SW	16	0	17	6	39	12/10/2006	9	Sand & Gravel
414168	843993	D0051275	PEND OREILLE BONNER DVLP LLC	57N	01E	NE	SW	16	0	14	10	39	12/12/2006	9	Sand & Gravel
272314	755106		FRED BURNSIDE	57N	01E	ΝN	SW	16	2	18	32	34	12/9/1969	9	Sand & Gravel
414615	844447	D0046379	BILL TRUBY	27N	01E	SE	SW	16	30	10	58	58	12/15/2006	9	Sand
268538	$\rightarrow$		CHARLOTTE TURNER	57N	01E	SE	SW	16	09	17	59	09	3/17/1992	9	Gravel
269956	$\rightarrow$		BILL FREEMAN	57N	01E	SE	SW	16	50	24	62	72	8/21/1986	9	Sand & Gravel
270339	756933	10	DENNIS MC DANIEL	57N	01E	SE	SW	16	10	15	77	77	10/13/1982	9	Gravel
270534	756614	AH¢	NORM ROSENBERGER	S7N	01E	SE	SW	16	15	20	20	50	10/3/1980	9	Sand & Gravel
271695	<b>E</b> 271	DE	JIM BOSSINGHAM	27N	01E	SE	SW	16	5	20	42	09	9/28/1971	9	Decom. Granite
388#92	815/724		BILL TRUBY	57N	01E	SE	SW	16	30	10	58	58	6/23/2004	9	Gravel/Boulders
388 <del>2</del> 93	817725	AAT5	BILL TRUBY	S7N	01E	SE	SW	16	30	10	58	58	6/23/2004	9	Gravel/Boulders
396069	825437	FAIT	BILL TRUBY	27N	01E	SE	SW	16	12	1	40	220	10/21/2004	9	Shale
KE,	<b>90</b> 4126 c	D0090671	Valiant Idaho Club	57N	01E	SW	SW	16	180	15	70	80	3/9/2022	8	Sand & Gravel
268 19	757954	1.0	ROGER BEST	87N	01E	SW	SW	16	30	15	30	35	3/20/1990	∞	Sand & Gravel
271345	755421	JD.	AL SYLVESTER	57N	01E	SW	SW	16	20	20	40	40	3/1/1973	9	Pea Gravel
401133	830531	D0039942	CRAIG HATFIELD	57N	01E	SW	SE	16	7	160	322	322	3/9/2005	9	Shale
271846	755422		DON WENZEL	57N	01E	Gvt-1		21	15	25	52	52	2/25/1973	9	Pea Gravel
271847	755423		JEB C BEST	57N	01E	Gvt-1		21	20	16	31	31	2/26/1973	9	Sand & Gravel
271848	755424		JEB C BEST	57N	01E	Gvt-1		21	20	15	30	30	2/27/1973	9	Sand
271849	755425		WALTER RUBERG	57N	01E	Gvt-1		21	15	25	58	58	2/24/1973	9	Pea Gravel
269700	757187		TIM MC DANIELS	57N	01E	NE	ΝN	21	30	25	44	43	8/1/1984	9	Sand & Gravel
271424	755781		FRED DARK	57N	01E	NE	ΝN	21	15	30	54	54	12/23/1975	9	Sand
271498	755855		RAY MC GINNIS	N73	01E	NE	ΜN	21	20	20	40	40	4/27/1976	9	Sand & Gravel
272316	755108		FRED DARK	87N	01E	NE	ΝN	21	20	25	56	99	10/15/1969	9	Coarse Sand
272320	755112		GORDON MEAD	57N	01E	NE	ΝN	21	10	20	54	54	10/10/1969	9	Sand
412230	841974	D0045026	DOLORES POOLMAN	1 NZS	01E	NE	MM	21	30	20	55	9	9/7/2006	9	Pea Gravel
270147	756851		ELIZABETH MC MILLAN	87N	01E	ΝN	NN	21	50	25	58	09	4/4/1982	9	Gravel
453840	888703	D0079525	VALIANT IDAHO LLC	57N	01E	NN	ΝN	21	150	10	72	77	8/16/2019	9	Sand/Grvl/Cobble
	TD.	- Total Denth	TD = Total Donth of wall evaluation in feet												

TD = Total Depth of well exploration in feet

SWL = Static Water Level below ground surface in feet at time of drilling

AF = Artesian Flow; bgs = below ground surface
Shaded data is from well at/nearest to the subject site.

Source Aquifer is documented from well drillers log and their interpretation of the geology

#### Site Groundwater Conditions

The site groundwater conditions immediately east of the lake are controlled by the geologic conditions within the alluvial fan deposits at the mouth of Trestle Creek. Interpretations are based on the observations of the new well installed by Valiant located approximately 200 feet east of the ordinary high water mark where the proposed community boat dock project is located. As state above, the recent well completed along the access road to the site encountered a mixture of clay, silt and gravel to a depth of 20-feet, where wet clay and gravel was encountered from 20 to 40-feet overlying a large gravel and coarse sand deposits to the full depths explored of 80. The first saturated soil was not encountered until approximately 50 feet below the ground level.

At the time of drilling, on March 8, 2022 groundwater was first encountered in the soils at a depth of 50 feet below ground surface. This is interpreted to be the upper saturated thickness of the aquifer, and is estimated to be at an approximate elevation of 2027 feet (NAVD88). However, after installation of the well, the aquifer pressure in the semi-confined raised the level to a noted depth of 15 feet below ground level. This corresponds to an approximate static water level elevation of 2062 feet (NAVD88). At the time of drilling, the lake was recorded at an elevation of 2055.67 feet (NAVD88), or approximately 6.33 feet lower in elevation than the static water level in the new well. Table 3 summarizes data from the new groundwater well and its relationship to Lake Pend Oreille Lake levels. Data from March 9, 2022 was from installation of the well, March 29, 2022 from the pump test conducted on well, and November 30, 2023, from a site visit WNR Group conducted at the site.

Table 3: Information on Water Level Elevations in Site Well & Lake Pend Oreille

	Lake Per	d Oreille	N			
DATE	Elev (ft) - NGVD29	Elev. (ft) NAVD88	Depth to GW (ft- bgs)	Elev (ft) - NGVD29	Elev. (ft) NAVD88	GW-SW Elev. Diff.
March 9, 2022	2051.80	2055.67	15.00	2058.13	2062.00	6.33
March 29, 2022	2051.45	2055.32	16.00	2057.13	2061.00	5.68
Nov 30, 2023	2051.41	2055.28	17.75	2055.38	2059.25	3.97

Note: Ground Elevation at New Well = ~2077 ft (NAVD88) / ~2073.13 ft (NGVD29); Casing stickup = +2.1 ft

Lake Pend Oreille summer level Elevation = ~2066.37 ft (NAVD88) / ~2062.5 ft (NGVD29)

Lake Pend Oreille Flood Stage Elevation = ~2067.37 ft (NAVD88) / ~2063.5 ft (NGVD29)

Lake Pend Oreille high winter level Elevation = ~2058.87 ft (NAVD88) / ~2055.0 ft (NGVD29)

Lake Pend Oreille low winter level Elevation = ~2054.87 ft (NAVD88) / ~2051.0 ft (NGVD29)

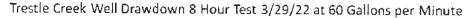
A second well measurement event occurred on November 30, 2023. During this site visit, the depth to groundwater was measured at 19.85 feet below the top of casing, equivalent to 17.75 feet bgs (the casing has 2.1 feet of stick-up above ground level). This corresponds to an approximate static water level elevation of 2059.25 feet (NAVD88). On November 30, 2023, the lake was recorded at an elevation of 2055.28 feet (NAVD88), or approximately 3.97 feet lower in elevation than the static water level in the new well.

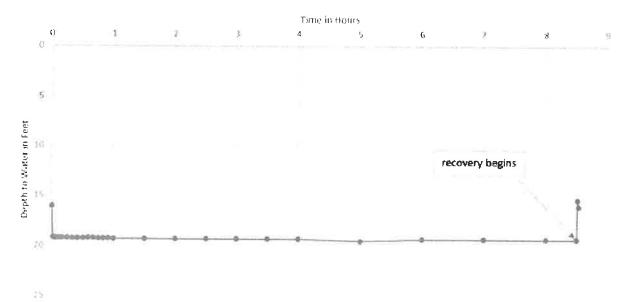
These recordings document that the static water level in the groundwater well, which is approximately 200 feet east of the shoreline/high water mark of the lake, is higher than the lake level elevation. This would confirm that groundwater flow is towards the lake. The difference in elevation varied from 6.33 feet in March 2022 to 3.97 feet in November 2023. The higher difference in March would support that the groundwater is at its higher elevation during the spring runoff, and in November at its lowest elevation when it is after the domestic high water use period and recharge to the aquifer is at its lowest. It should be noted that the lake level is approximately the same elevations where the same elevations are charge in the same content of the same content in the lake level is approximately the same elevations.

resulting in a lower gradient, which would correspond to a lower velocity and recharge of groundwater to the lake.

The aquifer characteristic were evaluated during a pump test on the new well on March 29, 2022 (Sewell, 2022), approximately 20 days after installation and development of the well. This evaluation was conducted to test the well (identified as "new well" in this report) for a potential future water source for residential use. The well was pumped at a constant rate of 60 gpm for eight hours. After the initiation of pumping, the water level in the well dropped immediately 3.2 feet below the static water level of 16 feet recorded at the start of the test. This is indicative of a confined to semi-confined aquifer, that would drop quickly as the pressure in the aquifer is immediately reduced from the initiation of pumping. After 3 minutes of pumping, the water level decreased another 0.1 feet, then dropped another 0.1 feet 120 minutes into the test where it remained at that level through the length of the 8.5 hour (510 minute) pump test. Total drawdown of the 60 gpm constant rate test was 3.4 feet. After the cessation of pumping, the water level recovered to its static water conditions within two minutes. Graph 1 presents the data collected during this constant rate pump test on the New Well (Sewell, 2022).

Graph 1: Graph of water level data from 8.5 hour pump test conducted on New Well (Sewell, 2022)





During the pump test, Sewell also monitored the "old well" located approximately 150 feet northwest of the pumping well. No drawdown was observed in the well during this test. Although Sewell concluded that the pump test radius of influence did not reach this well, this conclusion can not be verified without knowing the well construction details, specifically what depth and soil formation the well is screened through. A well log on the "old well" could not be found for this review.

The pump test does confirm the hydrogeologic interpretations of the well log that the saturated groundwater interval is within a confined to semi-confined aquifer, located at depth below the lake level. This would lead us to conclude that the groundwater is not "directly" discharge to the lake below the shoreline of the proposed project, but is being through a confined interval below the low water mark of the lake at the project. The groundwater eventually directly recharges to the lake off-shore of the

project area where it would migrate back into the lake water column through a more porous facies change medium, or where the overlying clay layer at the site is absent.

#### Lake Pend Oreille Setting

Lake Pend Oreille is thought to have formed in an older river valley that was controlled by faults. Recent studies have determined that most of the lake substrate consists mainly of silt, sand, gravel, cobble, bedrock debris, some boulders, and some bedrock outcrops (Barton and others, 2013). Unconsolidated sediments in the substrate originated from glaciation, megafloods, lacustrine, and terrestrial and subaqueous landslide processes, and from tributary inflows into the lake. Bedrock surrounding most of the lake is comprised of Precambrian Belt Supergroup metasedimentary formations, which form steep slopes that can frequently have landslides and rock slides that fall into the lake (Barton and others, 2013). Lake Pend Oreille was scoured by multiple advances and retreat of the Cordilleran Ice Sheet which advanced into the Purcell Trench, scoured by the ice age floods, and then subsequently filled with glacial outwash and flood deposits. The lake is now dammed at the south end by thick glacial and flood deposits that underlie Farragut State Park, which formed an undisturbed end moraine.

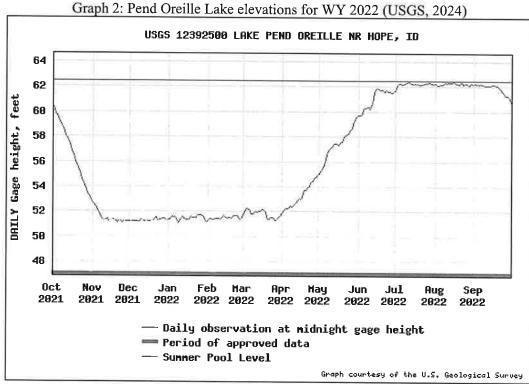
The shoreline morphology is subdivided into the variable zone and the subvariable zone. The variable zone is where lakebed elevations are between normal maximum summer full pool and normal minimum winter low pool. Subvariable zone is where lakebed elevations are lower than the lake's normal minimum winter low pool elevation.

Major tributaries to the lake include the Clark Fork and Pack River, in addition to many smaller stream/creek tributary valleys such as Trestle Creek. The outfall of the lake is through the Pend Oreille River which is controlled by Albeni Dam near the Idaho/Wahington state border.

Lake Pend Oreille is a regulated lake that maintains winter and summer levels. The lake is typically held at the summer level of 2062 - 2062.5 feet (NGVD29) by the end of June or early July, and is held at that level until the 3<sup>rd</sup> Sunday of September, when water is drained from the lake. The winter level is either maintained at 2051 feet or 2055 feet (NGVD29), depending a decision made by Idaho Fish and Game Commission for kokanee spawning. Graph 2 shows the measured lake level at the USGS station 12392500 located near Hope, Idaho for water year 2022 and Graph 3 for water year 2023 (USGS, 2023). As shown on the graph, the lake level begins to rise in March-April and reaches near full pool by July. The summer level is maintained for approximately three months before the elevation is allowed to drop for the winter management period.

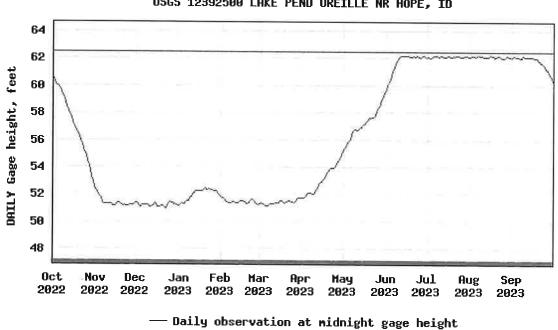
At the project site, groundwater and surface water from the Trestle Creek drainage directly discharge to Lake Pend Oreille. At the bottom/mouth of the Trestle Creek drainage, the groundwater is in hydraulic continuity with the lake and will rise and fall dependent upon lake levels. However, this aquifer connection may be out in the lake due to the confining levels observed at the site and discussed previously in this report.

Shoreline characteristics just northwest of the site is documented in the Rain Shadow Research Inc. (2008) report. In summary, the shoreline characteristics near the site consist of sandy and gravelly deposits, with the larger clasts eroded from the alluvial fan, which contains debris from glacial till and angular and subangular clasts certainly eroded from the Prichard Formation (Lewis et al, 2006). The excavations completed for this study revealed soil profiles of reworked sand and gravel over poorly sorted, extremely gravelly deposits that are either reworked channel gravels or reworked gravels from the Trestle Creek alluvial fan. Clayey and pebbly glacial till deposits underlie the reworked gravels at the study site. The exposed sides of the existing boat dock sloughs at the site were dug through extremely gravelly and cobbly sandy loam alluvial fan deposits.



Note: Data levels presented by USGS is in NGVD29. For NAVD88 add 3.87 feet. Daily gage height is value + 2000 feet.

Graph 3: Pend Oreille Lake elevations for WY 2023 (USGS, 2024)



Period of approved data

- Sunner PoodHoberel

Note: Data levels presented by USGS is in NGVD29. Por NAVD88 add 3.87 feet. Daily gage height is value

The shoreline around the "island" which is proposed to be excavated is comprised of the old excavation spoils that originally dug the sloughs where the boat docks were located. Our visual observations during the October 10, 2023 site visit, documented that the "island" is approximately 10 to 12 feet above the existing lake bed level, and consist of a mixture of silt, sand and gravel fill material. Photos 1 and 2 shown site conditions at the "island" during our October 2023 site visit. As shown in the photos, the proposed excavation phase of the project will be conducted during the winter low water levels, and no excavation will be conducted into the groundwater table. Any groundwater beneath the island footprint is directly connected to the lake level and waters of the lake and do not appear to be directly connected to the groundwater observed in the wells in the area east of the shoreline.



Photo 1: Looking NE across slough mouth to Lake Pend Oreille. "Island" consists of silts, sands, and cobbles. Water in slough drainage is rain water runoff flowing towards lake water to the left.



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MAY 1 3 2024

Photo 2: Looking North across slough to "Island". Fill material consists of silts, sands, and cobbles. Water in slough drainage is rain water runoff flowing towards lake water to the left.

### Stream Morphology

The stream morphology of the lower Trestle Creek area is best described in the River Design Group (RDG) report dated August 2023. This report presents the restoration plan for improving aquatic habitat and fish passage on the NFTC. This segment of the creek is interpreted to have been artificially constructed as an irrigation canal in the 1900's (RDG, 2023). It currently bifurcates from Trestle Creek approximately ½-mile upstream from the NFTC discharge point into the lake. The start of NFTC is located in the NW¼SW¼SE ¼ Section 16, T57N, R01E (see Figure 13). The proposed restoration design will reactivate the historical confluence of NFTC and Trestle Creek and enhance the stream corridor habitat conditions for fish and the vegetated flood plain.

Trestle Creek: Trestle Creek flows within a deeply incised tributary valley that has steep bedrock slopes (Figure 6). The valley floor is filled in with glacial and alluvial sediments, bounded on the valley walls with Precambrian metasedimentary rocks of the Prichard Formation. Trestle Creek is approximately 8-miles long with the headwaters to the northeast on the southeastern slope of Trestle Ridge (USGS(a)). Water within the creek is derived from precipitation, snow melt, and from groundwater springs in the headwaters of the drainage. No detailed flow measurements were reviewed for this study. The creek discharges directly to Lake Pend Oreille south of the project site near the boat ramp. Photo 3 is a view of Trestle Creek looking downstream approximately 1/8-mile upstream of its outlet into the lake. Photo 4 is a view of the outlet/mouth of Trestle Creek into Lake Pend Oreille at the low lake water level.

Trestle Creek appears to be hydraulically connected to the coarser valley fill in the headwaters to about one mile upstream of its outlet to the lake. Through this reach of the creek, the valley is fairly steep and the creek is inferred to be gaining water from the shallow aquifer in the unconsolidated valley fill sediments. In the lower one mile of the creek, the gradient appears to become lower, as it begins to flow over the alluvial fan deposits identified on the geologic maps. Well logs also appear to show a shallow clay dominant layer upon which the creek may be perched and separated from the Trestle Creek valley aquifer.



Photo 3: Photo of Trestle Creek looking northwest to its outlet into Lake Pend Oreille.



Photo 4: Photo of Trestle Creek looking southwest to its outlet into Lake Pend Oreille.

North Fork Trestle Creek (NFTC): NFTC bifurcates from Trestle Creek approximately ½-mile upstream from the NFTC discharge point into the lake. NFTC was constructed as an artificial channel/diversion canal in the early to middle 1900's (RDG, 2023) and there is no control structure at the inlet. NFTC experiences fluctuating flow levels commensurate with flows of Trestle Creek. The channel typically experiences peak flow discharge during the spring in response to rain-on-snow events and snow melt during the spring rain events. Within the area east of the project, NFTC transitions from an entrenched, confined system with small step pools downstream of the Montana Link railroad crossing to a moderately entrenched, riffle dominated channel in the downstream reach near the confluence with Lake Pend Oreille (RDG, 2023). The NFTC maintains a relatively straight alignment throughout its reach. Photo 5 presents a photo of the NFTC approximately 200 feet upstream of its outlet into the lake slough. From our observations, it appears the NFTC is perched on top of a more clayey soil through its lower reach.

Currently, NFTC's outfall is into the old slough which was excavated during the initial construction of the boat dock area (Figure 13). Right before entering the slough, the NFTC is conveyed through a culvert, which is perched above the lake level. Outfall from the culvert is onto some large boulder rip-rap along the slough boundary. Photo 6 is taken looking to the south at the outfall into the slough. The proposed restoration project will abandon this outfall and realign the creek so it flows directly to Trestle Creek. Project realignment and drawings for this restoration project is provided in the RDG 2023 report. Once this restoration is completed, the NFTC will not have influence on, or be influenced by, the proposed community dock project.

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MAY 1 3 2024



Photo 5: Photo of NFTC on 11/10/2022 upstream of the project site.



Photo 6: Picture of the outlet of NFTC into the old slough immediately downstream of culvert.

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#### GROUNDWATER-SURFACE WATER HYDRAULIC CONTINUITY

In a more regional sense, all groundwater and surface water is hydraulically connected, just at varying degrees. For this site, the WNR Group looked at all available data reviewed and discussed previously to develop an understanding of the extent of hydraulic continuity between Trestle Creek, NFTC and the groundwater aquifer in the Trestle Creek drainage.

In order to develop an understanding of the extent of hydraulic continuity in the area, the WNR Group used available data, especially well logs, and developed two cross-sections for the area. Traverse location of the cross sections developed are shown on Figure 13. Groundwater levels depicted on the cross-sections were those recorded by the driller at the time of drilling. Lithologic soils of the unconsolidated sediments were classified into three main groups:

- 1) Soils which are primarily comprised of Clay and have some minor components of sand and gravel (*shown in blue color on the cross-sections*). These are the least permeable soils reviewed in the well logs.
- 2) Soils which are primarily comprised of Sand with varying amounts of gravels and/or boulders (*shown in yellow on the cross-section*). These are porous and permeable soils reviewed in the well logs.
- 3) Soils that are primarily comprised a Gravel, Cobbles and Boulders with minor amounts of silt and sand (*shown in gray color on the cross-sections*). These are the most porous and permeable soils reviewed in the well logs.

Cross-section A was constructed east-west along the linear direction of the Trestle Creek drainage. Figure 14 presents the conceptual hydrogeologic interpretation in the lower two-mile portion of the drainage. As shown on the cross-section, Trestle Creek drainage soils become coarser grained as you traverse up the drainage, with more clay dominated deposited near the lake. These can be interpreted as fine-grained overbank deposits from Trestle Creek deposited over the older alluvial fan deposits. With the finer grained soils in the lower portions of the valley fill sediments, this would reduce groundwater flow rates to the lake within this zone. However, coarser material is present at depth, in which the groundwater would preferentially flow through the coarser higher permeable sediments.

Trestle Creek traverses up to 8 miles within the steeply incised channel. Water in the creek is primarily derived from precipitation, snow melt, and groundwater seeps in the headwaters of the drainage. In the upper portion of the drainage (right side of Figure 14), the creek flows above a porous and permeable gravel and boulder sediment. Through these reaches, the creek is in hydraulic continuity with the shallow unconfined groundwater. As the creek flows down valley, immediately downstream of the bifurcation of NFTC, the creek flows above a clay dominant soil (till) which is less permeable and porous. This soil grades down valley to a clay with less gravel. The aquifer appears to transition to a semi-confined to confined aquifer, as the water is forced into the more porous soils beneath the clay dominant soils. The creek is perched on top of the clay and not in hydraulic continuity with the underlying aquifer. This stratigraphic setting is continued westerly to the mouth of the drainage, where it appears the semiconfined aquifer is located at depth below the lake level. These conditions were confirmed in 1) the drilling of the new well as saturated soil was observed at 50 foot depth, but static water level in the well raised to 15 feet bgs, and 2) the pump test on the new well had an immediate drawdown in the water level indicative of a confined aquifer setting. It appears the confined aquifer continues out beneath the lake, where at some location the groundwater would discharge to the lake where the overlying confining clay soils are not present.

Figure 15 presents a cross-section across the lower portion of the Trestle Creek valley, immediate east of the site. As shown on this cross-section, the groundwater in the aquifernis in the confined sands and gravels below the clay dominated soils. This clay rich soil extends across the width of the valley.

Although NFTC appears to flow directly on top of the clay, Trestle Creek appears to flow on top of some alluvial fill gravels located above the clay dominated (glacial till) soil deposits.

The hydraulic connection at the immediate location of the island does not appear to be affected or in hydraulic continuity with the aquifer, or the creeks east of the island. Any "groundwater" beneath the footprint of the island would be in direct hydraulic connection with the lake water. As such, if any water is encountered, it would be a reflection of the lake level, and not the aquifer of the Trestle Creek drainage. Due to the fact that the creeks enter the lake east of the island, creeks flows will not have an impact on or be impacted from, any "groundwater" observed within the footprint of the island.

# IMPACTS OF ISLAND EXCAVATION

As referenced earlier, the plan for the project site is to develop a new proposed community dock project located north of the outfall of Trestle Creek into Lake Pend Oreille. As part of the community dock project, removal of the previous constructed "island" is proposed to restore the shoreline to its ancestral natural lakebed levels. This "island" was created during the initial excavation of the sloughs which hosted the existing docks. Specific information directly related to the "island" footprint is described in the Intermountain Resources (IMR) document dated 2008:

The site had extensive dredging to create the existing configuration of the boat basin back channels and also to divert the North Branch of Trestle Creek to the basin. It appears this was done to route water through the narrow back channel basins in an attempt to reduce the tendency of back channels to become stagnant. There was also regular maintenance dredging performed at the north end of the basin to clear the circulation outlet of the back basin, though it appears to have been generally unsuccessful.

It is also stated in the document that the exact date if construction of the island is not known, but is thought to be done in the decade following the completion of Albeni Falls Dam, which was in 1955.

The excavation of the "island" under this proposed project will be below the high water line. However, excavation will occur during the time when the lake is at winter pool levels. No excavation of materials at the "island" site will occur below the winter pool levels. As a result of the hydrogeology discussed previously, any water encountered within the footprint of the "island" is not interpreted to be hydraulically connected to the Trestle Creek aquifer, but is a reflection of the lake water system. Therefore, if the lake level is located below the bottom of the proposed excavation level, no infringement into the lake hydrologic system will occur.

#### CONCLUSIONS

The WNR Group has performed a preliminary hydrogeologic review to determine the hydraulic connection of surface and groundwater in the lower Trestle Creek drainage. Specifically, the study was conducted in order to assist the regulatory agencies with understanding the hydrologic regime in the immediate area of the proposed project, and to assist with determining if the proposed project, specifically the excavation of the "island," will have any impact on the surface and groundwater.

Review of data suggests that the hydrogeologic conditions at the site is a valley fill aquifer which is unconfined in the headwaters and then transitions to confined conditions in the lower portions of the valley. At these locations, the Trestle Creek and NFTC surface water appears to be perched above a clay interval which separates the surface water from the groundwater. The surface water of Trestle Creek and NFTC discharges directly to the lake waters of Lake Pend Oreille, and does not traverse the "island." Groundwater at the lower part of the valley is under conditions, of which the aquifer interval (that layer which is conveying water) flows beneath the shoreline at the lake and the "island." It is inferred that the groundwater will discharge into the lake samewhere off shore where the confining clay

layer is absent. Water directly below the footprint of the "island" is a projection of lake water, and as such would not affect the lower confined aquifer.

In our opinion, the project (excavation of the island and subsequent fill of the sloughs) will have no effect on surface or groundwater in the area of the site.

#### LIMITING CONDITIONS

This limited hydrogeologic letter report has been prepared for the exclusive use of Valiant Idaho II, LLC and their assigns, in accordance with the standards of the environmental consulting industry at the time the services were performed. This work has been performed for the sole purpose of assisting in the interpretation of groundwater aquifer conditions for siting of a future municipal supply production well. This letter report is governed by the specific scope of work authorized for the WNR Group and is not intended to be relied upon by any other party unless specified by Valiant Idaho II, LLC. The findings presented herein are based upon readily available government information reviewed as of the date the assessment was performed and review of a limited number of readily available hydrogeologic documents for the area near the Site. Geologic and hydrogeologic data is limited for the subject area and interpretations were made for the conclusions presented in this report. The findings and conclusions presented herein should not be assumed to be an accurate representation of present-day conditions, but only interpretations based on professional judgment. This assessment only presents a professional opinion as to what type of aquifer may be encountered beneath the Site and does not warranty any quantities of water which may be withdrawn. No other warranty is presented within, or implied.

We appreciate the opportunity to be of service to Valiant Idaho II, LLC in providing our interpretation of groundwater conditions at the Site. Should you have any questions regarding this letter report, please do not hesitate to call us at your earliest convenience.

Very truly yours,

Water & Natural Resource Group, Inc.

Eugene N.J. St.Godard, R.G., L.Hg. Principal Hydrogeologist/Owner

WNR Group, Inc.



Signed: February 9th, 2024

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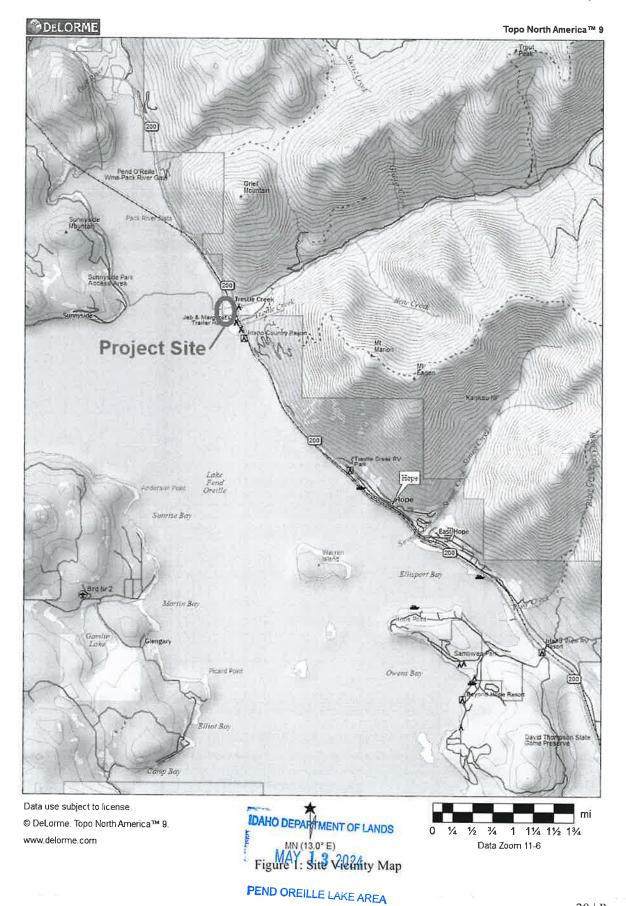




Figure 2: Site Location Aerial Map.
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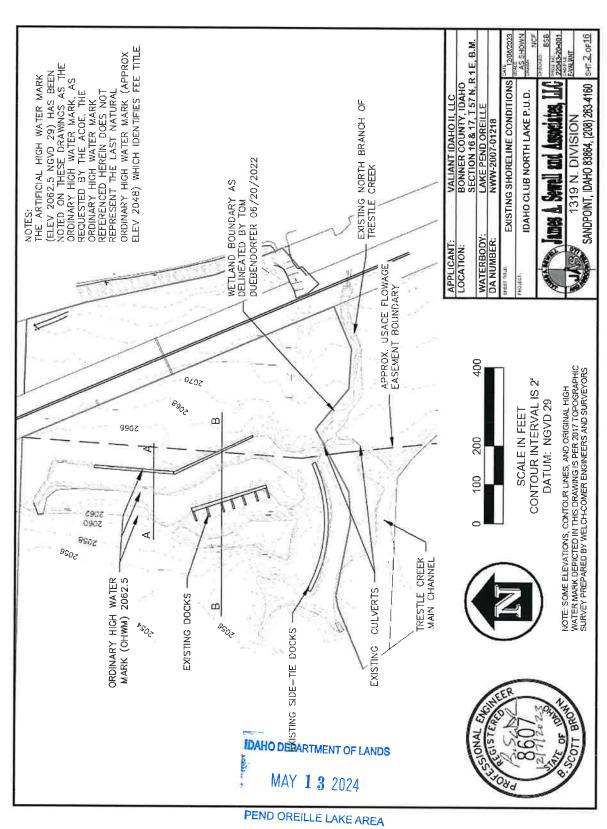


Figure 3: Engineering Drawing of Current Configuration of Site (J.A. Sewell & Associates, 2023b).

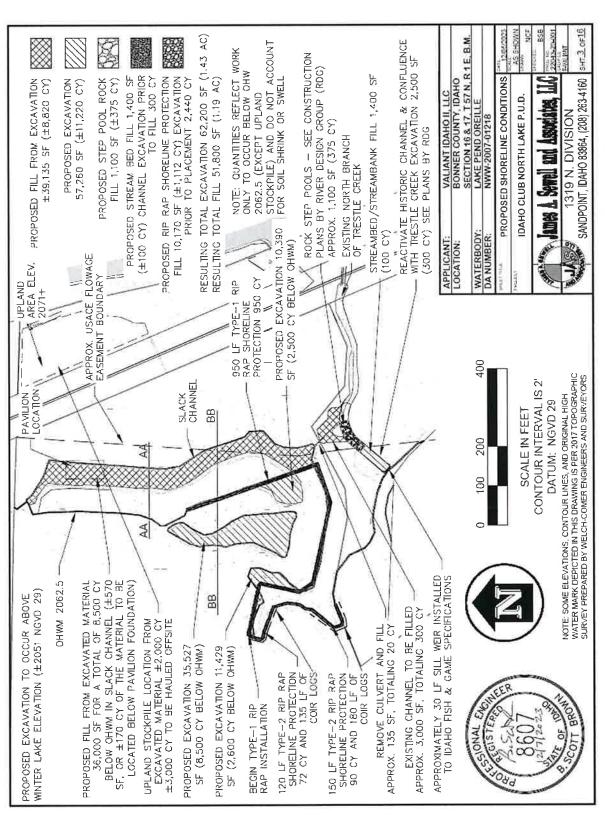


Figure 4: Engineering Drawing of Proposed Project Actions at Site (J.A. Sewell & Associates, 2023b)

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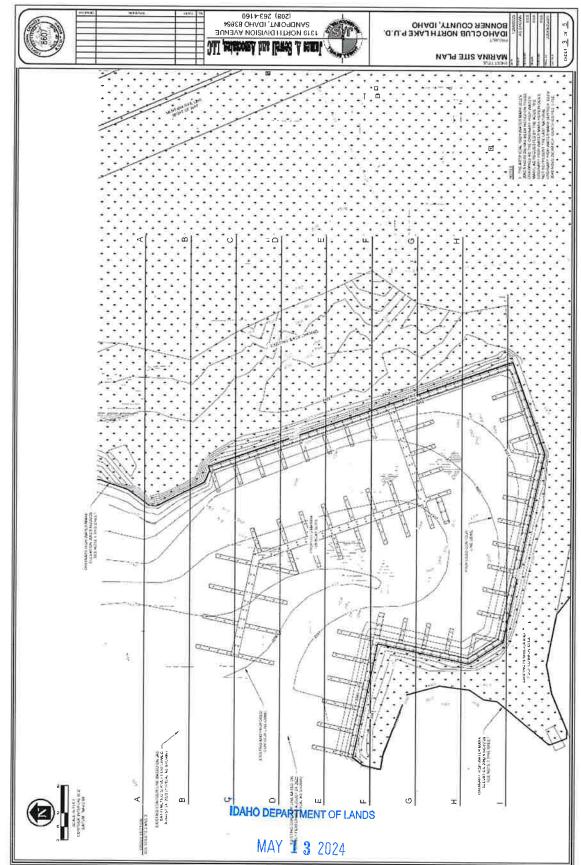
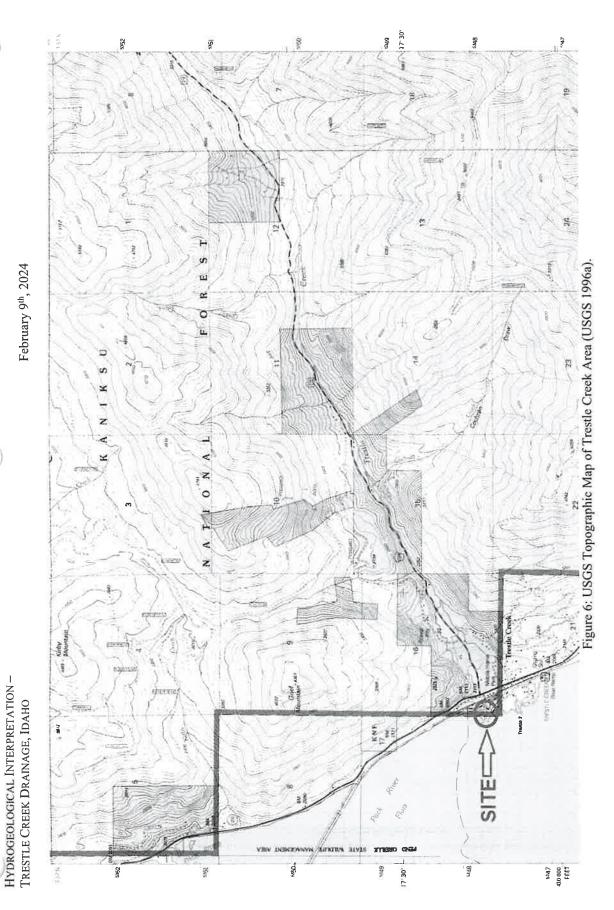
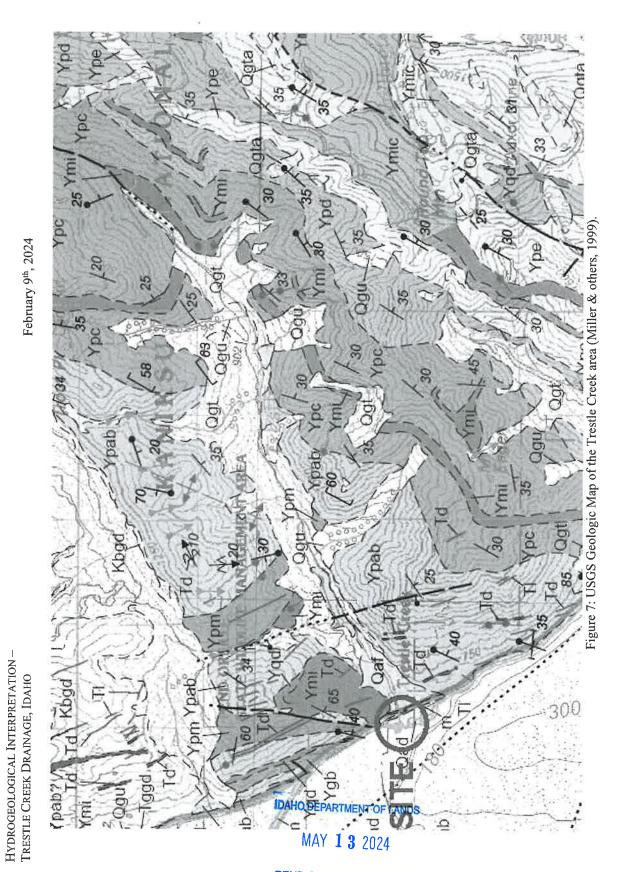


Figure 5: Engineering Drawing of Final Proposed Project at Site (J.A. Sewell & Associates, 2023b).

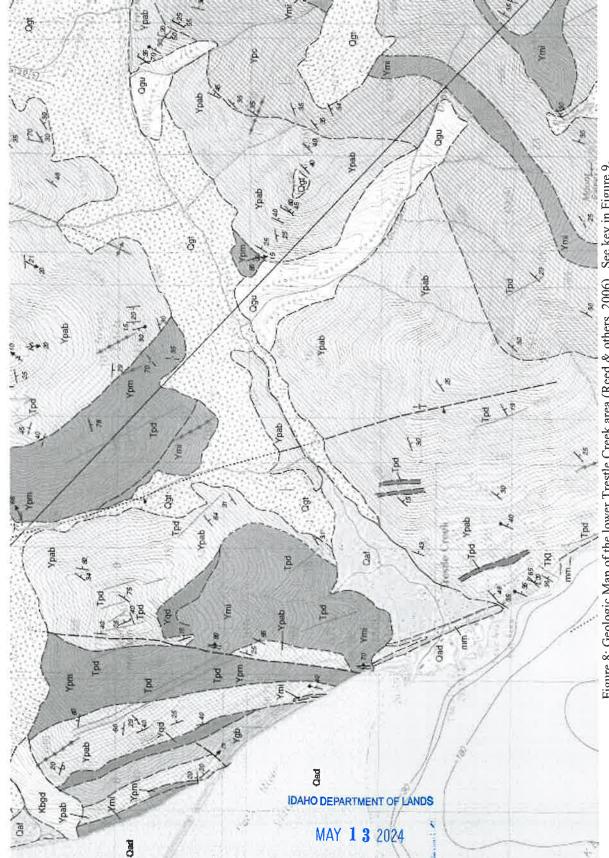
PEND OREILLE LAKE AREA



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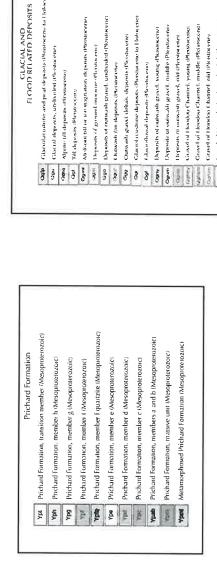


PEND OREILLE LAKE AREA

February 9th, 2024

HYDROGEOLOGICAL INTERPRETATION – TRESTLE CREEK DRAINAGE, IDAHO

Figure 8: Geologic Map of the lower Trestle Creek area (Reed & others, 2006). See key in Figure 9.



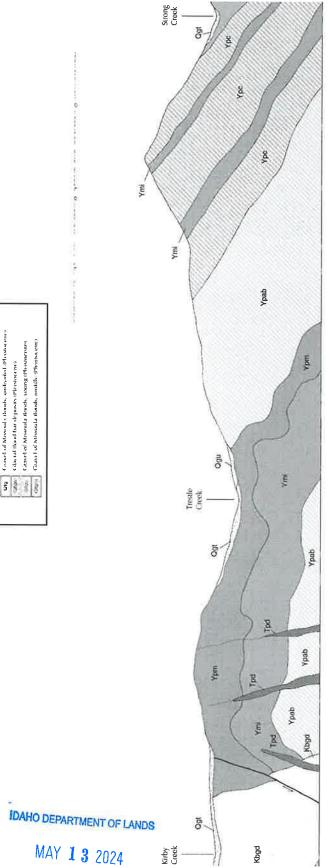


Figure 9: Geologic Cross-Section (NW-SE) across Trestle Creek drainage (Reed & others, 2006).

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# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

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Figure 10: Drillers Geologic Well Log installed at the project site (IDWR, 2023).

IDAHO DEPARTMENT OF LANDS

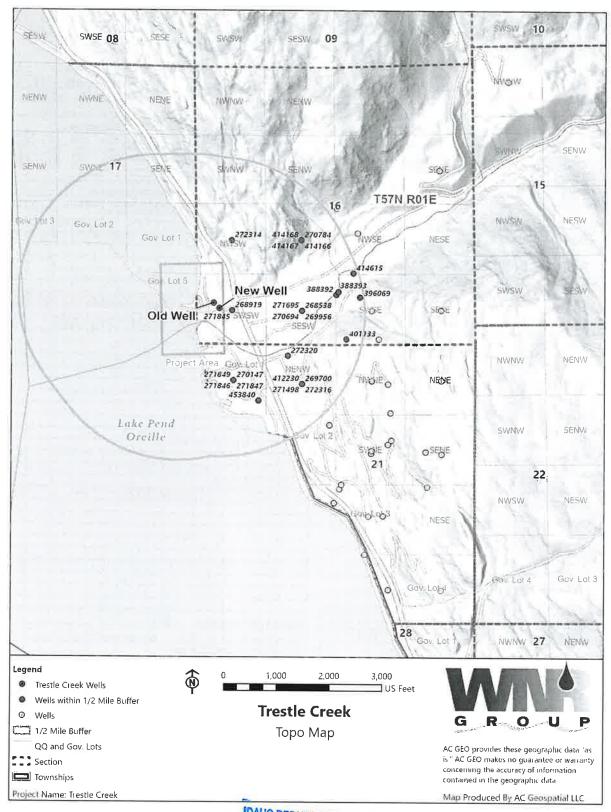


Figure 11: Groundwater Well Proximity Topographic Map Showing Wells within ½-Mile of Site. Well Logs and Figure Well Reference No. is provided in Table 2 (IDWR July 2023)

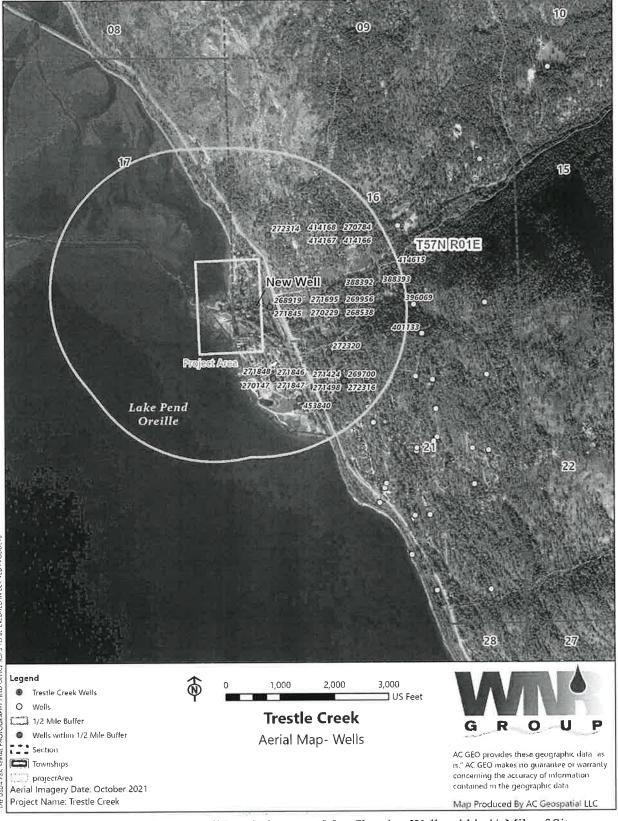


Figure 12: Groundwater Well Proximity Aerial Map Showing Wells within ½-Mile of Site. Well Logs and Figure Well Reference: Noviscoprowded in Table 2 (IDWR July 2023)

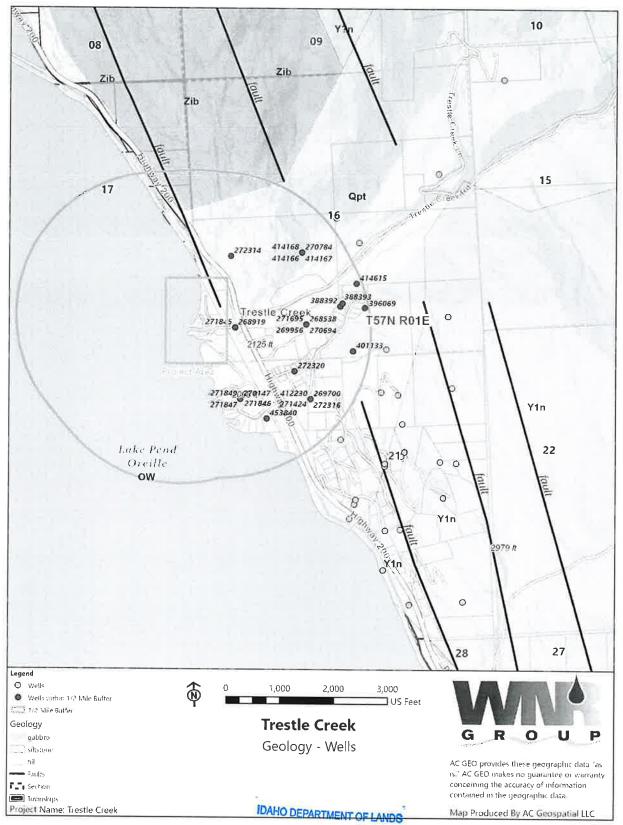


Figure 12: Groundwater Well Proximity Geologic Map Showing Wells within 1/2-Mile of Site. Well Logs and Figure Well Reference No. 1s provided in Table 2 (IDWR July 2023)

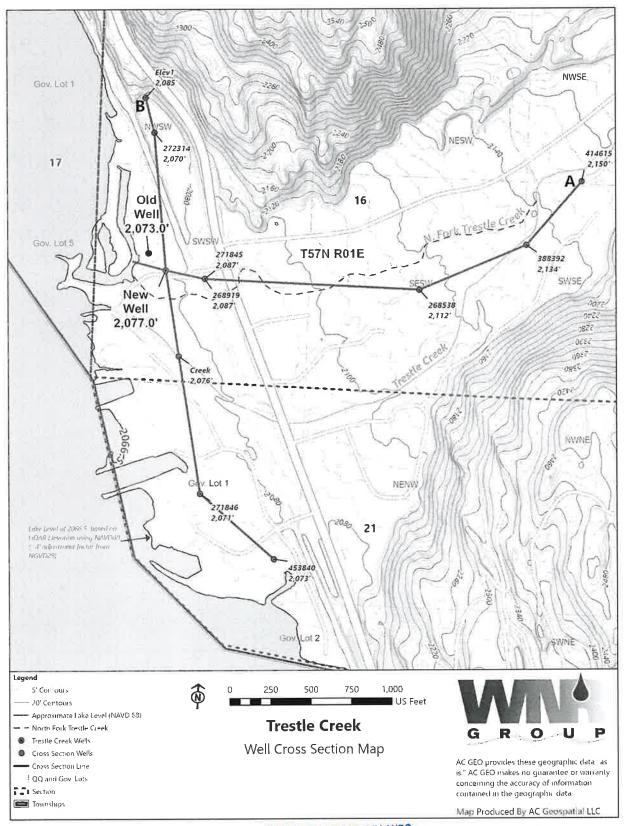


Figure 13: Map showing location of NFTO-Ind TRANSPORTED Sections developed for this report.

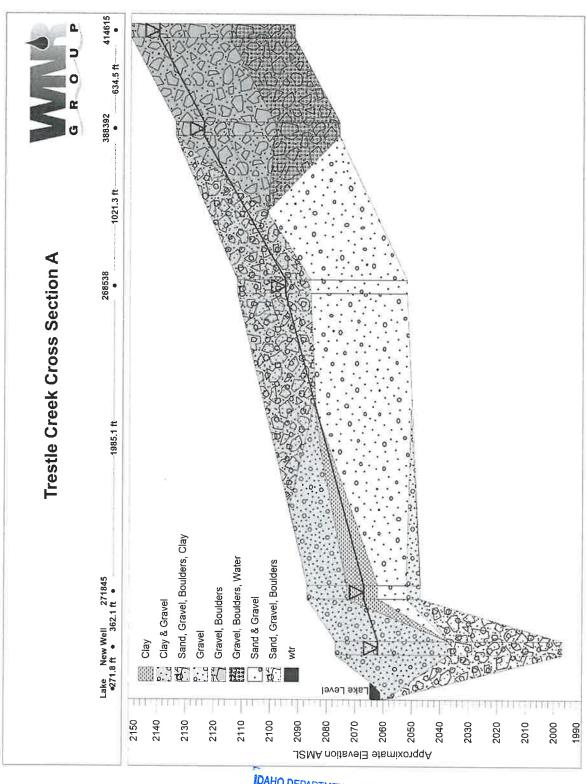


Figure 14: E-W Cross-section traversing down the Trestle Creek Valley. Well logs from IDWR (2023) database.

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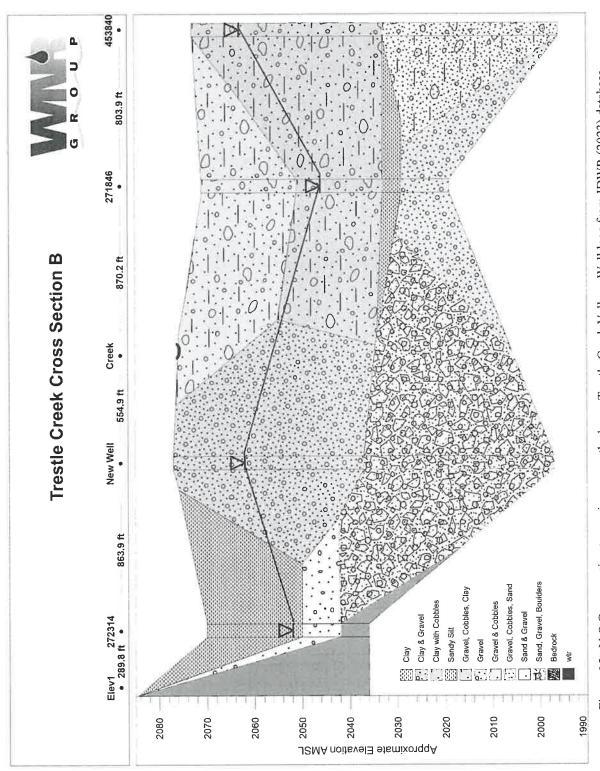


Figure 15: N-S Cross-section traversing across the lower Trestle Creek Valley. Well logs from IDWR (2023) database.

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# ATTACHMENT A WELL LOGS

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# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

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State of Idaho
Department of Water Resources

State law requires that this report be filed with th	ER'S	RE	POF	श	. /		
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## IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

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Air Rotary	
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Depth flow encountered N/A ft. Describe access port or	Driller or Operator 16/16/ Date 8-6-07
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# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

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SEAL/FILTER PACK  Material From To Sacks or pounds Bentionite Slurry O' 18' 3 sacks Overbore  Jas drive shoe used? O Y O N Shoe Depths(s) Jas drive shoe used? O Y O N How? N/A  Jas drive shoe used? O Y O O O O O O O O O O O O O O O O		
Material From To Sacks or pounds  Bentionite Slurry 0' 18' 3 sacks Overbore  Jas drive shoe used? O Y O N Shoe Depths(s) 9'  Jas drive shoe used? O Y O N How? N/A  Casing / Liner  Jameter From To Gauge Material Casing Liner Welded Threaded  G'' +1 9' 0.250 Steel O O O O O O O O O O O O O O O O O O	7. SEALING PROCEDURES	
Material From To Sacks or pounds  Bentonite Slurry 0' 18' 3 sacks Overbore  As drive shoe used? O Y O N Shoe Depths(s) 9'  As drive shoe used? O Y O N How? N/A  Casing / Liner  Immeter From To Gauge Material  Bentonite Slurry 0' 18' 3 sacks Overbore  Area drive shoe used? O Y O N How? N/A  Casing / Liner  Immeter From To Gauge Material  Bentonite Slurry 0' 18' 3 sacks Overbore  I DAHIO DEPAPTMENT OS LANDS  PEND ORCILLE LAKE ADEA  PEND ORCILLE LAKE ADEA  PEND ORCILLE LAKE ADEA  Completed Depth 39' 2007  Completed Depth 39' 10 WR/North  Completed Depth 39' 10 N/A 2" PVC  Date Started 12-06-06 Completed 12-10-06  D. STATIC WATER LEVEL OR ARTESIAN PRESSURE  17' ft. below ground Artesian pressure N/A Ib.  Bepth flow encountered N/A ft. Describe access port or Date X- Company Name Intermountain Drilling Firm No. 513  Firm Official Date X- Completed Depth Date X- Completed Depth Date X- Company Name Intermountain Drilling Firm No. 513  Firm Official Date X- Company Name Intermountain Drilling Firm No. 513  Firm Official Date X- Company Name Intermountain Drilling Firm No. 513  Firm Official Date X- Company Name Intermountain Drilling Firm No. 513	SEAL / FILTER PACK AMOUNT Method	
IDAHO DEPARTMENT OF LANDS	Material From To Sacks or pounds	
Since Depths(s)  As drive shoe seal tested?  A Since Depths(s)  N Since Depths(size Note)  N Since De	Bettioffite Staffy 0 18 3 sacks Overbore	
Since Depths(s)  As drive shoe seal tested?  A Since Depths(s)  N Since Depths(size Note)  N Since De		EDALIO DE DE SE
Casing / Liner    Image: From   To   Gauge   Material   Casing   Liner   Welded   Threaded	Mas drive shop used? O V O N O D V	DEPARTMENT OF LANDS
Casing / Liner  Iameter From To Gauge Material Casing Liner Welded Threaded  6" +1 9' 0.250 Steel	Man drive also and total	MAY 1 2 2004
Ameter   From   To   Gauge   Material   Casing   Liner   Welded   Threaded   G'' +1   9'   0.250   Steel   0   0   0   0   0   0   0   0   0	9	
PERFORATIONS / SCREENS Perforations Method N/A Screens Screen Type PVC  From To Stot Size Number Diameter Material Casing Liner 29' 39' 10 N/A 2" PVC O O O O O O O O O O O O O O O O O O O	Diameter From To Gauge Material Casing Liner Welded Threaded	PEND OREILLE LAKE AREA
PERFORATIONS / SCREENS Perforations Method N/A Screens Screen Type PVC  From To Stot Size Number Diameter Material Casing Liner 29' 39' 10 N/A 2" PVC O O O O O O O O O O O O O O O O O O O	6" +1 9' 0.250 Steel	THE AREA
PERFORATIONS / SCREENS Perforations Method N/A Screens Screen Type PVC  From To Slot Size Number Diameter Material Casing Liner 29' 39' 10 N/A 2" PVC O O O O O O O O O O O O O O O O O O O	j j j j	
PERFORATIONS / SCREENS Perforations Method N/A Screens Screen Type PVC  From To Slot Size Number Diameter Material Casing Liner 29' 39' 10 N/A 2" PVC O O O O O O O O O O O O O O O O O O O	0000	RECEIVED
Perforations Screens Screen Type PVC  From To Slot Size Number Diameter Material Casing Liner 29' 39' 10 N/A 2" PVC O O O O O O O O O O O O O O O O O O O	ength of Headpipe N/A Length of Tailpipe N/A	THE H
Perforations Screens Screen Type PVC  From To Slot Size Number Diameter Material Casing Liner 29' 39' 10 N/A 2" PVC O O O O O O O O O O O O O O O O O O O	PERFORATIONS / SCREENS	10 2007
Completed Depth 39'    Completed Depth 39'   Date Started   12-06-06   Completed   12-10-06		
Date Started 12-06-06 Completed 12-10-06    Startic Water Level Or Artesian pressure N/A   b.		Completed Depth 39' IDWR/North (Massurable)
13. DRILLER'S CERTIFICATION  I/we certify that all minimum well construction standards were comple  with at the time the rig was removed.  Company Name Intermountain Drilling Firm No. 513  Firm Official and  Date 8-6  Date 8-6  Date 8-6		(weasurable)
D. STATIC WATER LEVEL OR ARTESIAN PRESSURE 17' ft. below ground Artesian pressure N/A   b.  epth flow encountered N/A ft. Describe access port or  Dive certify that all minimum well construction standards were comple with at the time the rig was removed.  Company Name Intermountain Drilling Firm No. 513  Firm Official Date 8-6  Driller or Operator	Ŏ Ŏ	13. DRILLER'S CERTIFICATION
company Name Intermountain Drilling Firm No. 513    Company Name Intermountain Drilling Firm No. 513    Firm Official and Driller or Operator   Date 8 - 6	0 0	I/we certify that all minimum well construction standards were completied
epth flow encountered N/A ft. Describe access port or and Driller or Operator Date 8-6	0. STATIC WATER LEVEL OR ARTESIAN PRESSURE 17' ft. below ground Artesian pressure N/A  b.	
Driller or Operator Lolled Date &- (1)	<u> </u>	
(Spronce if Firm Official & operator)		Driller or Operator April 10 Date 8-6-77
7 N 1/5 1/9 FORWARD WHITE CORY TO WATER RESOURCES		

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

		OF	FICE	JSE	01	ILY	
Insepci	ed by						
Two		Ra	e		Se	C	
	414			414			1/4
	1/4			1/4			1/4

***************************************		1/4 1/4	1/4
1. WELL TAG NO. D 0051275  DRILLING PERMIT NO. 843973	I1. WELL TESTS	Lat. : Long : :	
Other IDWR No.		ailer OAir OFlowing	
2. OWNER	Yield Gal. / Min. Dra	wdown Pumping Level	Time
Name PEND OREILLE BONNER DEVELOPMENT Address 151 CLUBHOUSE WAY City SANDPOINT State ID Zip 83864			
3. LOCATION OF WELL by legal description Sketch map location must agree with written location.	Water Temp50 Water Quality test or co	D Bottom Hole Temp	
Twp. 57 North ⊚ or South O		Depth first Water	23'
OOO Rge. 1 East @ or West O	12. LITHOLOGIC LOG	(Describe repairs or abandomer	nt) Water
W O O O E Sec., 16	Bore Dia From To Remarks:	Lithology, Water Quality & Temperature	YN
O O O Gov't Lot County Bonner	10 0 18 Ceme	ented gravel and sand	日日
O O O Lat.		ented gravel and sand and gravel	
			88
Address of Well  O.2 mile up Trestle Creek Rd on left (Give at least name of road + Distance to Road or Landmark)  City Sandpoint			881
			88
LtBlk Sub. Name			<b>- FI FI</b>
4. Use			<b>77</b>
ODomestic OMunicipal OMonitor Olrrigation OThermal Olnjection Oother			##
5. TYPEOF WORK check all that apply (Replacement etc.)			
ONew Well O Modify OAbandonment OOther			坩坩╽
6. DRILL METHOD			<u> </u>
Air Rotary	IDAHO DEPA	PTMENT OF LANDO	
7. SEALING PROCEDURES		THE TOT DATE	$\mathbf{H} \mathbf{H}$
SEAL / FILTER PACK AMOUNT Method  Material From To Sacks or pounds	MAY	1 3 2024	FF
Bentonite Slurry 0' 18' 3 sacks Overbore	PEND ORE	ILLE LAKE AREA	77 77
		INSELENCE AREA	
Was drive shoe used? O Y O N Shoe Depths(s) 10'			
was drive shoe seal tested? O Y O N Shoe Depths(s) 10' Was drive shoe seal tested? N Shoe Depths(s) N/A			
8. Casing / Liner			8
Diameter From To Gauge Material Casing Liner Welded Threaded  6" +1 10' 0.250 Steel 0 0 0 0			$\mathbf{H}$
6" +1 10' 0.250 Steel © 0 © 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		RECEIVED	HHI
0000		AUC to	HHI
Length of Headpipe N/A Length of Tailpipe N/A		AUG 1 (1 2007	##
9. PERFORATIONS / SCREENS           Perforations         Method         N/A           Screens         Screen Type         PVC		IDWP/North	
	Completed Depth	39' (Me	asurable)
		0-06 Completed 12-	-12-06
29' 39' 10 N/A 2" PVC O O O O		num well construction standards were	complelied
0. STATIC WATER LEVEL OR ARTESIAN PRESSURE	vith at the time the rig w Company Name Intern	as removed.	·
14' ft. below ground Artesian pressure N/A lb.	Firm Official		-6-07
Depth flow encountered N/A ft. Describe access port or	and Oriller or Operator	Claller Date E	8-6-0
control devices: N/A	(Sign	once if Firm Official & operator)	<u> </u>

#### State of Idaho Department of Reclamation

WELL DRILLER'S REPORT

T (A)

REGEIVEN

State law requires that this report be within 30 days after complet	filed v	vith the abando	State	Reclamation Engineer of the well.	V.		a []
1. WELL OWNER  Name Fred & Bosabeth Burnside  Address Box 329 Hope Fdaho  Owner's Permit No. 96-69-N-2	S F T	itatic wa lowing empera Artesian Controll	ture closed-i ed by	feet below lend for the feet b	Read of Reci	amat	tion
2. NATURE OF WORK  Deepened Replacement  Abandoned (describe method of abandoning)		Pump		Bailer Other	Pla Bei	tee	
3. PROPOSED USE  Domestic   Irrigation   Test	9. L	ITHOL	.OGIC I	.og			_
☐ Municipal ☐ Industrial ☐ Stock	Hole Dism.	De From	pth To	Material		_	Ne
4. METHOD DRILLED  Cable   Rotory   Dug   Other	4	20	28	Send Server of Ble	t is sile bollefy	4	-
Diameter of holeinches			34	DAHO DEPARTMENT OF LAN MAY 1 3 2024 END OREILLE LAKE ARE	VDS		
Gravel packed?			- 1,5	10294	) 		
County Sec. 16, T. 57 N. R. L.	11. DI	is well :	R'S CER	finished	this report is	178	A1

## STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

WELL DRILLER'S REPORT State law requires that this report be filed with the Director, Department of Water Resources

within 30 days after the comple	tion o	aband	onmen	nt of the well.	0	
1. WELL OWNER	7.	WATE	R LE	VEL V	2.00	$\neg$
Name Bill Freeman or Darold Sauer		Static	water	level 24 feet below land surface.		
Address 695 Hy 2 Hope, Id. 83836				☐ Yes 答 No G.P.M. flow sed-in pressure p.s.i,		=
Owner's Permit No. applied for 96-86-N-59		Contr	olled b	y: Valve Cap Plug  o F, Quality cribe artesian or temperature zones below.		_
2. NATURE OF WORK	8.			DATA	_	
		□ Pu	mp	🖺 Bailer 🗆 Air 🗆 Other		
<ul> <li>Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)</li> </ul>		Discharg	e G.P.M	1. Pumping Level Hours	Pumped	
		50	-	72	2	
3. PROPOSED USE			-		_	- 125
☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal	9.	LITH	OLOG	IC LOG		
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection  ② Other <u>church camp</u> (specify type)	Bore	De From		Material	_	ater s No
	8	1	10	large gravel	16	x
4. METHOD DRILLED	8	10	25	cemented sand &gravel	-	x
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☑ Cable ☐ Dug ☐ Other	6	25	72	brown sand	x	
5. WELL CONSTRUCTION						
Casing schedule:  Steel  Concrete Other						
Thickness Diameter From To	_		- 5	D. C.	-	+-
Thickness 6 Diameter 18 From 62 To 19 feet				0) (a (C) (E) (V) (S) (1)	+	+
inches inches feet feet inches inches feet feet				Mary SIII		
inches inches feet feet		_		55000 1000	-	+-
Was casing drive shoe used? ☑ Yes ☐ No				FEB-02 1987		+
Was a packer or seal used? □ Yes						
How perforated? ☐ Factory ☐ Knife ☐ Torch		-	-	Repartment of Water Resources	+-	+1
Size of perforation inches by inches				1		
Number From To						
perforations feet feet	-	-	-	- OF THE	-	-
perforations feet feet feet feet				O E TO		
Manufacturer's name Gook				BEEFAED	-	$\perp$
Type stainless steel Model No		-	-	Daguines	+-	+
Diameter 6 Slot size 14 Set from 2 feet to 72 feet Diameter Slot size Set from feet to feet				Department of Water Resources Northern District Outlon		
Gravel packed?  Yes  No  Size of gravel	-			Northers was	+-	+
Placed from feet to feet Surface seal depth 20 Material used in seal: ☐ Cement grout				IDAHO DEPARTMENT OF LANDS		
Surface seal depth 20 Material used in seal: Cement grout  K Bentonite Puddling clay						$\perp$
Sealing procedure used: Slurry pit 🗷 Temp. surface casing				MAY 1 3 7024	+	+
☐ Overbore to seal depth  Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent						
Weld ☐ Cemented between strata				PEND OREILLE LAKE AREA	1	
Describe access port Well cap	10.		rk star	ted 3-13-85 finished 8-21-35	>	
6. LOCATION OF WELL	11		-	CERTIFICATION QQ		-
Sketch map location must agree with written location.	11.			that all minimum well construction stand	tarde u	VOEO
N N				that the time the rig was removed.	rai us vi	vere
Subdivision Name		E: !	.ıT>_	rengen Weten Welle Fire No 360	,	1
W E		r irm f	vam <b>e</b> <u>r</u>	ronson Water Wells Firm No. 360	<u>'</u>	- [
Lot No Block No		Addre	s <b>B</b> ox	1 Spirit Lake, Id Date 8-22-3	16	-
\$ 5		Signed	l <b>b</b> y (F	irm Official) Down	_	_
County Bonner				and		1
S SE 1 S7 16 57 N 1 E N/S. R. E/W.			•	(Operator)		



#### 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.

USE TYPEWRITER OR

BALLPOINT PEN

1. WELL OWNER	7	. WAT	ER LE	VEL	-			
Name Dennis M Daniel		Statio	r Water	laval	feet below la	and surface		
Ho 22		Flow	ing? [	□ Yes	s Æl No G.P.M. fl	ow		
Address //b/P		Artes	ian clos	ed-in	pressure p.s. □ Valve □ Cap	i.		
Address		Temp	perature	٠_ د	F. Quality	ool		
2. NATURE OF WORK	8.	WEL	L TEST	DAT	Ά			
New well  Deepened  Replacement  Abandoned (describe method of abandoning)		□ Pu	ımb	pt e	Bailer 🗆 Air 🛭	Other		
					Pumping Level	Hours Po	ımped	
		10		-	76	1		-
3. PROPOSED USE								
Domestic □ Irrigation □ Test □ Municipal			2.0				_	
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection	-	,	OLOGI	C LO	G			
☐ Other (specify type)	Hole Diam.	From	pth To		Material		Yes	No
4. METHOD DRILLED	6	2	2	-7	top 50:1			x
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary	2	_	50	Lie	Grave (		$\vdash$	t
Dr Cable Dug Other	6		27		Rock		×	
5. WELL CONSTRUCTION								
Casing schedule: Steel Concrete Other Thickness Djameter From To								
inches inches + feet feet								
inches inches feet feet inches inches feet feet						7-		-1
inches inches feet feet								
Was casing drive shoe used? 🛕 Yes 🔲 No	-						-	-
Was a packer or seal used? ☐ Yes								-1
How perforated? ☐ Factory ☐ Knife ☐ Torch	_							
Size of perforation // inches by / inches				_			me	
Number From To feet 76 feet		f	) [5]	6		000		
perforations feet feet	_	- 1		W L	IVEDE	00458	1	
perforationsfeetfeet Well screen installed? ☐ Yes ☐ No			- 00	T 0	<u>U</u> n:			
Well screen installed?			- 0	1 2	5 1982			
Type Model No,	-	Q	epartm	bride	Vater Basources			
Diameter Slot size Set from feet to feet		anniesi.	North	ern Di	strict Office OF LAN	IDS		
Gravel packed? ☐ Yes ☐ No ☐ Size of gravel	-			i	MAY 1 2 2024	286.2		_
Placed from feet to feet Surface seal depth Material used in seal: □ Cement grout			6		3 2024	<del>" (* Hil-</del>		$\exists$
Puddling clay □ Well cuttings I			- 5	IND	ORFILE			-
Sealing procedure used: ☐ Slurry plt 🙇 Temp, surface casing ☐ Overbore to seal depth					OREILLE LAKE AREA	V.95		
Method of joining casing: ☐ Threaded						1. 18 mm 1. 1.		
Weld  ☐ Cemented between strata						6) \$7,700.00		
Describe access port welled cal	10.							٦
		Wor	k starte	ed,	10-9-52 finished	10-13-0	FZ	-
6. LOCATION OF WELL	11.	DRILI	LERS C	ERTI	FICATION	e!		7
Sketch matation must agree with written location.					ll minimum well constru		ds wei	, I
Sulativity N		compli	ed with	at the	time the rig was remov	ed.		- 1
Subdivision Name		Firm N	ame 🗸	Sol	file isons Fi	rm No づう	_	1
W = = = = = = = = = = = = = = = = = = =								
Lot No Block No	•	Addres	s_/	1	5KUY 106 D	ate 10-15	12	
BIOCK NO.	;	Signed	by (Fir	m Off	icial) 206 Di	H		
County Bonner				and		2 .		
SE 1/2 560 1/2 Sec. 16 T. 57 N/2 R. 1 E/M			(0	perat	or) heh foo	A.S.		. [

#### STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

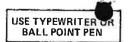
USE TYPEWRITER OR BALLPOINT PEN

#### 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.

OSTED

	7	MATE	D I EV			-	
1. WELL OWNER	′.	WAIL	ER LEV	EL			- 1
Name Norm Rosenberger Sr.		Static	water le	evel <u>20</u> feet below lar	nd surface.		
		Flowi	ng? 🛘	Yes DYNo G.P.M. flor	w		_
Address Inesel creek		Artesi	an close	d-in pressure p.s.i.			
				: 🗆 Valve 🗆 Cap 🗆			
Owner's Permit No. 96-80-N-63		Temp	erature	420F. Quality go	-el		-1
10							
2. NATURE OF WORK	8.	WELL	LTEST	DATA 🔤			
☑ New well ☐ Deepened ☐ Replacement		□ Pu	mp	p>kBailer □ Air □	Other		
☐ Abandoned (describe method of abandoning)							
	$\overline{}$	_	e G.P.M.		Hours Put	mpėd	-
		15		45			-
	-	_		me			
_3, PROPOSED USE			-				-10
			21.221	2100			
© Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection	9.	LIIH	OLOGI	LUG			
☐ Other (specify type)	Hole		pth	Material		Wate	-
Guiler (specify type)		From	To	CA-20100		Yes	NO
4. METHOD DRILLED	100	0	2-	top soil	1.4/4/-		T
, <u> </u>		30	40	gravel Boulders	"IIIKE "W	ΙŢ	بر
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary				gravel- sand		X	
Ò Cable □ Dug □ Other		12		7/11/10			
5. WELL CONSTRUCTION				14 /2/4 27		-	
Casing schedule: ☑ Steel ☐ Concrete ☐ Other	<u> </u>	-					=
						+	-
Thickness Diameter From To	-	-	-				
inches feetfeet				IDAHO DEDARTMENT OF LA	170		
inches inches feet feet				IDAHO DEPARTMENT OF LA	MDS		
inches inches feet feet							
Was casing drive shoe used? ☑ Yes ☐ No		-77		MAY 1 3 2024			_
Was a packer or seal used? ☐ Yes 🖄 No Perforated? ☐ Yes 🐼 No		-				1	-
Perforated? ☐ Yes Ø No How perforated? ☐ Factory ☐ Knife ☐ Torch		-	-	PEND OREILLE LAKE AR		$\vdash$	=
Size of perforation inches by inches	-			LIND ONEILLE LAKE AR	EA	+	
Number From To	-		1			1	
perforations feet feet	-	-					
perforations feet feet							
perforations feet feet				DEARIN-			
Well screen installed? ☐ Yes 🔯 No				DEGELV	3       -	$\vdash$	_
Manufacturer's name Model No						+	
Diameter Slot size Set from feet to feet	-		-	NOV 24 1980	F	+	-
Diameter Slot size Set from feet to feet	10	12 (0	ार ॥	WISIO			
Gravel packed? ☐ Yes ☑ No ☐ Size of gravel	His	15 W	15 15	Department of Water Re	eauteas		
Placed from feet to feet	•			Northern District Of			
Surface seal depth 18 Material used in seal: Cement grout		DE	2 1	1980		-	
	-	1.00			04763	1-	
Overbore to seal depth	Dena	rmeni	of Wat	_			
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent	1 Spo	12.110111	or rigit	u. 1100001000			
Weld							
☐ Cemented between strata	10		.00	.00			
Describe access port weldercal	1 10	w	ork start	ted 10-5-50 finishe	d 10-3	-80	2
A MANAGEMENT OF THE PARTY OF TH	4-						- 1
6. LOCATION OF WELL	11	. DRI	LLERS	CERTIFICATION		10	
				that all minimum well const	ruction standa	rds we	ere
Sketch map location must agree with written location.	1			h at the time the rig was remo			
Subdivision Name	1 -					_	
	1	Firm	Name_	Bol fitte sons	Firm No. <u>حك</u>	<u>-رر</u>	
W = -	4		×	DL 2 0	n. /n-c	حکید در	,
	1	Addı	ress	P+3B0x106AD	Date 100	, 00	_
Lot No Block No	l,	6,	aller de	irm Official)	46		
	1	Signe	ea by (F		,	-	-
S S				and ()	21		
County	1			(Operator)	V-		_
SEN 5W% Sec. 16, T. 57 N/8, R. 1 E/M.				0			



Ū	State Department of Wa WELL DRILLI  State law requires that this report be within 30 days after complete	ER'S	dminist RE	POF	Reclamation Engineer	_		1.	
1.	WELL OWNER  Name JIM Bossing had  Address Bx 285, Hope, Tdaho  Owner's Permit No. 96-71-N-72	7. W S F T	VATER Static wa Flowing? Tempera Artesian	LEVEL ater leve '	Jepartment of y,  I	<sup>/</sup> zte: Administra rface			
2.	NATURE OF WORK    Abandoned (describe method of abandoning)		Pump		TA  Bailer S Other  Draw Down	Aire Hours Pu	s Pumpad		
3.	PROPOSED USE								
4.	Municipal □ Industrial □ Stock  METHOD DRILLED	Hole Diam.		th To HU	La. Souldes  Decomposed	S CONTINA	Yes	No	
5,	© Cable → M Rotory □ Dug □ Other  WELL CONSTRUCTION		70	50	1) Compose a	<i></i>			
	Diameter of hole inches								
	Was a packer or seal used?         Yes         Yes         No           Perforated?         Factory         Knife         Torch           Size of perforation         inches by inches           Number         From         To           perforations         feet         feet           perforations         feet         feet           perforations         feet         feet				DAHO DEPARTM	2024	S		
	Well screen installed?				LPEND ORFILLE L	AKE AREA			
	Gravel packed?				J <b>0310</b>	7			
6.	LOCATION OF WELL  Sketch map location must agree with written location.	10. W	ork star	ted 9	- 17 - 71 finished _	9-28-	71	-	
	County BONNER  SE % SW % Sec. 16, T. 57 (NS, R. 1 (E)W	T tr	his well ue to th	was dri ne best d	RTIFICATION  Illed under my supervision and of my knowledge,  Lene DRILLING Lame the Color of th	1) (1)	14 er	_	



	Of	fice Us	e Only		
Inspec	ted by				
Twp		Rge		Sec	
	1/4		1/4	1/4	
Lat:	:	:	Long:	3	į

ILLING PERMIT NO. 0033864	11. WEL	L TES	TS:	Lat: Long	g: 4 1	_
ner IDWR No. 817724	The state of the s	Pump	Bailer	X Air Flowing		_
OWNER:	Yield g	al./min.	Drawdown	Pumping Level	Time	
ne BILL TRUBY		30	55	55	1 <u>}</u>	IK
ress 113 MAIN ST.			-			
SANDPOINT State ID Zip 83864	Water Tem	n COI		Bottom hole temp.	COLD	_
LOCATION OF WELL by legal description:		-	comments:			
etch map location must agree with written location.		-		Depth first Water Encou	300	_
N J	12. LITI	HOLOG	GIC LOG: (De	scribe repairs or abando	nment)	Wa
Twp. 57 North X or South	Bore Dia	From	To Remarks: L	ithology, Water Quality & Te	emperature	Υ
Rge. 1 East X or West	10	0		/BOULDERS	·	
See 40 1/4 OF 1/4 CW 1/4		18		/BOULDERS		
10 acres 40 acres 160 acres	6	- 35	- 58 GRAVEL	/BOULDERS/WAT	TER :	X
S Lat: Long:						-
Address of Well Site TRESTLE CREEK	-			1,11-11		-
City HOPE						
(Give at least name of road + Distance to Road or Landmerk)  Blk. 1 Sub. Name TRESTLE CREEK						
						_
USE:    X   Domestic						-
Thermal Injection Other		-				
				JED	11	
TYPE OF WORK: check all that apply (Replacement etc.)				EIN		_
X New Well			76	C - , , , , , , , , ,		_
DRILL METHOD:			W.	"M 58 "		-
XAir Rotary Cable Mud Rotary Other				1010 "TOUTH		-
SEALING PROCEDURES:				IDINE PLOTA		
Seal/Filter Pack AMOUNT METHOD		-		10,		-
Material From To Sacks or Pounds						_
ENTONITE 0 18 300# TEMPCASE						
as drive shoe used? XY N Shoe Depth(s) 58'	.					_
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			MA	Y 1 3 2024		
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ngth of HeadpipeLength of Tailpipe			PEND OI	REILLE LAKE AREA		
PERFORATIONS/SCREENS:						_
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		ed Depth		Completed 06/		ıa
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From To Slot Size Number Diameter Material Casing Liner	13. DR		· · ·	uction standards were co	mplied with at	
From To Slot Size Number Diameter Material Casing Liner	I/We certif	fy that all	minimum well constr removed.	action standards were se		
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From To Slot Size Number Diameter Material Casing Liner	I/We certiful the time the	fy that all ne rig was	removed.	R WELLS,INC.		-
From To Slot Size Number Diameter Material Casing Liner	I/We certiful the time the	fy that all the rig was	removed.	R WELLS,INC.		



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Differ   D	1. WELL TAG NO. D 0033865	1/4 1/4 1/4	
Competence   Com	DRILLING PERMIT NO. 0033865	11. WELL TESTS:	
amore BILL TRUBY  dives 113 MAN ST.  SINE ID ZIO 838884  LOCATION OF WELL by legal description:  Neith map location must agree with written location.  Note that map location must agree with written location.  Note and map location.  Note and m	Other IDWR No. 817725		
SANDPOINT   State ID ZP 8388   SANDPOINT   SANDPOINT   State ID ZP 8388   SANDPOINT   SANDPOINT   SANDPOINT   Sand page with written location.   Water Tomp. COLD   Bottom hole temp. COLD   Water Quanty test or comments:   Depth first Water Encounter 35   Sand Table   Sand Tab	2. OWNER:		
SANDPOINT   State ID ZP 8388   SANDPOINT   SANDPOINT   State ID ZP 8388   SANDPOINT   SANDPOINT   SANDPOINT   Sand page with written location.   Water Tomp. COLD   Bottom hole temp. COLD   Water Quanty test or comments:   Depth first Water Encounter 35   Sand Table   Sand Tab	Name BILL TRUBY	30 55 55 1H	IR
Address of Well by legal description:    Neth map boetton must agree with written location.   Depth first Water Emocurier 35!   Water Centro Coll.D	LIS MAIN ST.		_
Name   Post	State ID Zip 83864	Wester Toma OOLD	-
TWP. 87 North X or South	3. LOCATION OF WELL by legal description:  Sketch map location must agree with written location.	Water Quality test or comments:	
FROM TO   South   So	N .	12. LITHOLOGIC LOG: (Describe repairs or abandonment)	Vate
Sec 16 Support No. Country BONNE Provided Provid	Twp. 57 North X or South		
Sec 16 Support No. Country BONNE Provided Provid	E Rge. 1 East X or West	10 0 18 GRAVEL/BOULDERS	T
Let	Sec. 16 1/4 SE 1/4 SW 1/4	6 18 35 GRAVEL/BOULDERS	
Address of Well Site TRESTLE CREEK  City HOPE  It 7	Gov't Lot County BONNER	6 35 58 GRAVEL/BOULDERS/WATER	
City HOPE  L 7	Lat: Long:		T
USE:		-	+
USE:	(Give at least name of med + Distance in Board or Landmark)		
USE:	Lt. 7 Blk. 1 Sub. Name TRESTLE CREEK		
Montection   Other   Irrigation   Irrigat			
Thermal   trijection   Other			
Completed Depth 58    Completed Off/23/2004   Completed Off/	· · · · · · · · · · · · · · · · · · ·		4
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ength of Headpipe	Vas drive shoe seal tested? XY □N How? AIR	IDAHO DEC	
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ength of Headpipe		1 33202M	+
Perforations Method Screens Screen Type  From To Slot Size Number Diameter Meterial Casing Liner  Date: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION: We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Perforations Method  Completed Depth 58' (Measurable Date: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION: We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Firm Official Solution Date 06/23/2004  Priller or Operator Date 06/23/2004  Date 06/23/2004		PENDO	1
Perforations Method Screens Screen Type  From To Slot Size Number Diameter Meterial Casing Liner  Date: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION: We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Perforations Method  Completed Depth 58' (Measurable Date: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION: We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Firm Official Solution Date 06/23/2004  Priller or Operator Date 06/23/2004  Date 06/23/2004		DEEL ER ARED	t
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Screen Type  From To Slot Size Number Diameter Material Casing Liner  Date: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION:  We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Peth flow encountered 35 ft. Describe access port or control evices: WELDED CAP  Completed Depth 58' (Measurable 06/23/2004  13. DRILLER'S CERTIFICATION:  We certify that all minimum well construction standards were complied with at the time the rig was removed.  Firm Official Solution Date 06/23/2004  Driller or Operator Date 06/23/2004			
From To Slot Size Number Diameter Material Casing Liner  Completed Depth 58'  Date: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION:  We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Post: Started 06/23/2004 Completed 06/23/2004  13. DRILLER'S CERTIFICATION:  We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Firm Official Society of the post of the			
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13. DRILLER'S CERTIFICATION:  We certify that all minimum well construction standards were complied with at the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Firm Official Solution Date 06/23/2004  and Driller or Operator Date 06/23/2004	From To Slot Size Number Diameter Material Casing Liner	Date: Started 06/23/2004 Completed 06/23/2004	
D. STATIC WATER LEVEL OR ARTESIAN PRESSURE:  10		13 DRILLER'S CEPTIFICATION:	1.0
the time the rig was removed.  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Company Name MINDEN WATER WELLS, INC. Firm No. 320  Firm Official Solution Date 06/23/2004  and Driller or Operator Date 06/23/2004		I/We certify that all minimum well construction standards were complied with at	
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O. STATIC WATER LEVEL OR ARTESIAN PRESSURE:  10	· · · · · · · · · · · · · · · · · · ·	Company Name MINDEN WATER WELLS.INC. Firm No. 320	
10 ft. below ground Artesian pressure lb. Firm Official Schward Micros Date 06/23/2004 epth flow encountered 35 ft. Describe access port or control evices: WELDED CAP  Date 06/23/2004	0. STATIC WATER LEVEL OR ARTESIAN PRESSURE:	$-0$ $0$ $\sqrt{8}$ $1$	
evices: WELDED CAP Driller or Operator	10 ft. below ground Artesian pressure lb.		04
WELDED CAP		// /	
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Inspec			e Only		
Twp	ica by	Rge		Sec	7
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OCATION OF WELL by legal description:  th map location must agree with written location.	Yleld g Vater Tem Vater Qua	lity test or	D r commen To 18 30 38 200	rawdown 200  ats: GOOOI  Company  Remarks: Lith  GRAVEL  GRAVEL  GRAVEL  GRAVEL  GRAVEL  GRAVEL  GRAVEL  GRAVEL	Pumping Le 20	temp. COLD Encounter 200 pandonment)  y & Temperature  i  S S / CLAY HARD	Wa Y
BILL TRUBY  BIS 113 MAIN ST SANDPOINT  State ID Zip 83864  COCATION OF WELL by legal description:  Coth map location must agree with written location.  N  Twp. 57 North or South or West or West or West or West or West or West or Table Sec. 16 1/4 SE 1/4 SW 1/4 SW 1/4 SW 1/4 SE 1/4 SW 1/4 SW 1/4 SW 1/4 SE 1/4 SW 1/4 SW 1/4 SW 1/4 SW 1/4 SW 1/4 SW 1/4 SE 1/4 SW 1/4	Vater Tem Vater Qual  12. LITI Bore Dia. 10 6 6 6	12  IP. COL  Iity test or  HOLO  From  0  18  30  38	D r commen To 18 30 38 200	200  ots: GOOOI  Company Compa	Bottom hole of Depth first Water cribe repairs or a hology, Water Qual / BOULDER!  J BOULDER! J BOULDER! ALE J MED	temp. COLD Encounter 200 handonment)  y & Temperature  i	Wa Y
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SANDPOINT    State   D Zip 83864	Pater Qualification of the Point Control of the Poi	From 0 18 30 38	To 18 30 38 200	POG: (Description of the Company of	Depth first Water cribe repairs or a hology, Water Qual / BOULDER! ./ BOULDER/ BOULDER	encounter 200 condonment)  y & Temperature  i 5 5 / CLAY HARD	Y
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Sec. 16 Gov't Lot Long: Address of Well Site TRESTLE CREEK City HOPE  (Give at least name of road + Distance to Road or Landmank) Bik. Sub. Name TRESTLE CREEK  City HOPE  (Give at least name of road + Distance to Road or Landmank) Bik. Sub. Name TRESTLE CREEK  JSE:    Domestic   Municipal   Monitor   Imigation	6 6 6	18 30 38	30 38 200	GRAVEL GRAVEL GREY SH	./ BOULDER ./ BOULDER IALE ./ MED	S / CLAY HARD	x
S Address of Well Site TRESTLE CREEK  City HOPE  (Give at least name of road + Distance to Road or Landmark)  Bik. Sub. Name TRESTLE CREEK  Sub. Name TRESTLE CREEK  Sub. Name TRESTLE CREEK  Will Domestic Municipal Monitor Imigation  Thermal Injection Other  TYPE OF WORK: check all that apply (Replacement etc.)  New Well Modify Abandonment Other  DRILL METHOD:  Xilar Rotary Cable Mud Rotary Other  SEALING PROCEDURES:  Seal/Filter Pack AMOUNT METHOD  Material From To Sacks or Postmass  ENTONITE 0 18 300 TEMP CASED  Substitute of the post of t	6	30 38	38 200	GRAVEL GREY SH	./ BOULDER IALE ./ MED	S/CLAY HARD	X
S Address of Well Site TRESTLE CREEK  City HOPE  (Give at least name of road + Distance to Road or Landmark)  Bik. Sub. Name TRESTLE CREEK  Sub. Name TRESTLE CREEK  Sub. Name TRESTLE CREEK  Will Domestic Municipal Monitor Imigation  Thermal Injection Other  TYPE OF WORK: check all that apply (Replacement etc.)  New Well Modify Abandonment Other  DRILL METHOD:  Xilar Rotary Cable Mud Rotary Other  SEALING PROCEDURES:  Seal/Filter Pack AMOUNT METHOD  Material From To Sacks or Postmass  ENTONITE 0 18 300 TEMP CASED  Substitute of the post of t	6	38	200	<b>GREY SH</b>	ALE ./ MED	HARD	X
Address of Well Site TRESTLE CREEK  City HOPE  (Give at least name of road + Distance to Road of Landmark) Bik. Sub. Name TRESTLE CREEK  JSE:    Domestic	-						X
City HOPE							
Simple   Sub.   Sub.   Name   TRESTLE CREEK							
Sub. Name TRESTLE CREEK							
SE:   X Domestic							
Monitor							
Thermal							
TYPE OF WORK: check all that apply    X New Well							
New Well							
New Well							
DRILL METHOD:  X Air Rotary							
SEALING PROCEDURES:  Seal/Filter Pack AMOUNT METHOD  Material From To Sacks or Pounds  INTONITE 0 18 300 TEMP CASED  So drive shoe used? XY N Shoe Depth(s) 40  So drive shoe seal tested? XY N How? AIR  CASING/LINER:  meter From To Guage Material Casing Liner Welded Threaded  6 +11/2 40 .250 STEEL X X					1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
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				Company of the Compan	266-67		-
				MAY 13	2024		+
gth of Headpipe Length of Tailpipe	-			1 - 172	144 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		+
PERFORATIONS/SCREENS:			PENE	OREILLE	LAKE AREA		-
				Mark Arthur Later Communication			_
Perforations Method Screens Screen Type						/p. a -	
	1	ted Depth	NAME OF TAXABLE PARTY.		0	`	asurat
rom To Slot Size Number Diameter Material Casing Liner	Date: S	Started 1	0/15/19	04	Completed	d 10/21/2004	
	13 DE		'S CE	RTIFICAT	TION:		
	I/We certi	fy that all	minimum	well construc	ction standards w	vere complied with	ı at
	the time t	he ng was	s remove	d.		•	
	Company	Name N	MINDEN	WATER	WELLSING	Firm No. 3	20
CTATIO WATER I EVEL OR ARTECIAN PRESCRIPE.	2	II.			11/	ñ "	
STATIC WATER LEVEL OR ARTESIAN PRESSURE:		ial E	12.	Jare	& of hers	Date 10/2	2/20
ft. below ground Artesian pressure 2 lb.  pth flow encountered 200 ft. Describe access port or control	Firm Office	MOI C					-

Office Use Only

Inspected by

PRILLING PERMIT NO. 74447	11. WEL	TEC	-9T	Ĺ	1/4 1/4 at: : Long:	1/4
Other IDWR No.		ump	and the same of	ailer 🗓	Air Flowing Artesia	
OWNER:	Yield ga			rawdown	5-4" (F.10.1-2)	
me _ BILL TRUBY dress 113 MAIN ST		30		55	55	Time 1H
SANDPOINT State ID Zip 83864			-			
LOCATION OF WELL by legal description:	Water Temp	COL	D		Bottom hole temp. COLI	D
etch map location must agree with written location.	Water Quali	ty test or	commer	its: N/A		
N					epth first Water Encounter 35	5
	12. LITH	OLOC	GIC LO	OG: (Desc	ribe repairs or abandonment)	V
Twp. 57 North X or South	Bore	From	То	Demondre, 1 ist	ata Mila O m a T	
E Rge. 1 East X or West []	Dia. 10	0			ology, Water Quality & Temperatur	e Y
	6	18			BOULDERS	
Sec. 16 1/4 SE 1/4 SW 1/4  Gov't Lot County BONNER 1/60 acres	6	35			BOULDERS BOULDERS/WATER	×
Lat: Long:			90	ONAVELI	BOULDERS/WATER	^
Address of Well Site 442 CREEKSIDE LANE						
(Give at least name of road + Distance to Road or Landmark)			-			
(Give at least name of road + Distance to Road or Landmark)  8 Blk. 1 Sub. Name					-	
USE:						
Monitor Imigation						-
Thermal Injection Other						_
TYPE OF WORK: check all that apply (Replacement etc.)						-
YPE OF WORK; check all that apply (Replacement etc.)   X New Well						
SEALING PROCEDURES:           Seal/Filter Pack         AMOUNT         METHOD           Material         From         To         Sacks or Pounds					RECEIVED DEC 26 2006 DWR/North	
ENTONITE 0 18 400# TEMPCASE				10	26 2000	- j
					WAY.	
					North	
					vonh	
					*North	
s drive shoe seal tested? XY N How? AIR						
s drive shoe seal tested? XY N How? AIR  CASING/LINER:			ÍD,			
s drive shoe seal tested? XY N How? AIR  CASING/LINER:  meter From To Guage Material Casing Liner Welded Threaded			ID,			
CASING/LINER:  To Guage Material Casing Liner Welded Threaded  6 +1.5 58 250STEEL X X			(D)	NHO DEPART	MENT OF LANDS	
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CASING/LINER:  meter From To Guage Material Casing Liner Welded Threaded 6 +1.5 58 250STEEL X X X			The state of the s	MAY 1	MENT OF LANDS	
CASING/LINER:  To Guage Material Casing Liner Welded Threaded  6 +1.5 58 250STEEL X X X  gth of Headpipe Length of Tailpipe			The state of the s	MAY 1	MENT OF LANDS	
CASING/LINER:  The ster From To Guage Material Casing Liner Welded Threaded 6 +1.5 58 250STEEL X X Threaded Step Step Step Step Step Step Step Step			The state of the s	MAY 1	MENT OF LANDS	
CASING/LINER:  To Guage Material Casing Liner Welded Threaded  6 +1.5 58 250STEEL X X  gth of Headpipe Length of Tailpipe  PERFORATIONS/SCREENS:  Perforations Method			The state of the s	MAY 1	MENT OF LANDS	
CASING/LINER:  To Guage Material Casing Liner Welded Threaded  6 +1.5 58 250STEEL X X  gth of Headpipe Length of Tailpipe  PERFORATIONS/SCREENS:	Completed	Depth 5	PE	MAY 1	MENT OF LANDS  3 2024  LAKE AREA	leasura
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CASING/LINER:  The term of the addright of the address of the	Date: Star	ted 12/	PEI 58 15/200	MAY 1  MOREILLE	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200	
CASING/LINER:  To Guage Material Casing Liner Welded Threaded 6 +1.5 58 250STEEL X X X  gth of Headpipe Length of Tailpipe  PERFORATIONS/SCREENS:  Perforations Method Screens Screen Type  To Slot Size Number Diameter Material Casing Liner Welded Threaded X X X X X X X X X X X X X X X X X X	Date: Star	ted 12/ LER'S	68 15/200	MAY 1  MAY 1  MOREILLE	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200  ON:	6
CASING/LINER:  meter From To Guage Material Casing Liner Welded Threaded 6 +1.5 58 250STEEL X X X  gth of Headpipe Length of Tailpipe  PERFORATIONS/SCREENS:  Perforations Method  Screens Screen Type  To Slot Size Number Diameter Material Casing Liner	Date: Star	ted 12/ LER'S	68 15/200 6 CER	MAY 1  MAY 1  MOREILLE	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200	6
CASING/LINER:    Material   Casing   Liner   Welded   Threaded	Date: Star  13. DRIL  I/We certify the firme the	LER'S hat all mirig was re	68 15/200 S CER inimum v emoved.	MAY 1  MAY 1  MO OREILLE  TIFICATI vell construction	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200  ON: on standards were complied w	ith at
CASING/LINER:  meter From To Guage Material Casing Liner Welded Threaded 6 +1.5 58 250STEEL X X X X X X X X X X X X X X X X X X	Date: Star  13. DRIL  I/We certify the firme the	LER'S hat all mirig was re	58 15/200 S CER inimum v emoved.	MAY 1  MAY 1  MO OREILLE  MO O	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200  ON: on standards were complied w  NELLS,INC. Firm No. ;	6. ith at 320
CASING/LINER:  The term of the	Date: Star  13. DRIL  I/We certify the firme the	LER'S hat all mirig was re	58 15/200 S CER inimum v emoved.	MAY 1  MAY 1  MO OREILLE  MO O	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200  ON: on standards were complied w  NELLS,INC. Firm No. ;	6. ith at 320
CASING/LINER:    Deter   From   To   Guage   Material   Casing   Liner   Welded   Threaded	Date: Star 13. DRIL I/We certify the time the Company Na	LER'S hat all mirig was re	58 15/200 S CER inimum v emoved.	MAY 1  MAY 1  MO OREILLE  MO O	MENT OF LANDS  3 2024  LAKE AREA  (M Completed 12/15/200  ON: on standards were complied w	6. ith at 320

## STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

#### 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	7.	WAT	ER LE	VEL	100	7V		
Name Irving Charlotte Turner					117	/ -		
Address Trestle creek, Hope, Idaho		Static	water	level	feet below lan	id surface.		
Drilling Permit No. 96-92-N-21		Artes	ingr - ian clos	ા ૧૬૩ eed-in	s X No G.P.M. flow pressure p.s.i,	N	_	-
		Contr	olled b	y: [	□ Valve □ Cap □  OF. Quality	Plug		
Water Right Permit No.		Temp	erature	iha a	OF, Quality			
2. NATURE OF WORK	<del>  </del>	-2151				below.		-
V	8.	WEL	L TEST					
	٠,	□ Pu	ımp		Bailer 🗶 Air 🗆	Other		
☐ Abandoned (describe abandonment procedures such as	<del></del>	Discharg	e G.P.M		Pumping Level	Hours P	umped	_
materials, plug depths, etc. in lithologic log)			GPI			2 Hou		
				_				
3. PROPOSED USE	-			-				
■ Domestic		LITH	21.00	1010				
☐ Industrial ☐ Stock ☐ Waste Disposal or Injection	-		OLOGI	10 10	· · · · · · · · · · · · · · · · · · ·	73466		
☐ Other (specify type)	Bore Diam.		pth To	1	Material			ater s No
	8"	0	26	San	d, Gravel, Boulder	s	+	
4. METHOD DRILLED					some and + Grave 1	Clay	L	X
Rotary Air Hydraulic Reverse rotary	6"	26	60	50	ind + Grave I	- 3/10	X	1_
☐ Cable ☐ Dug ☐ Other			1	-	- Postilis - I		+	+
					200-20			
5. WELL CONSTRUCTION				L.			I	
Casing schedule: X Steel		-					-	-
Thickness Diameter From 59 To feet 59 feet							+_	+
inches inches + feet							1_	
inches inches feet feet		-	-				-	−
inches inches feet feet							+	+
Was casing drive shoe used? ★ Yes □ No								
Was a packer or seal used? ☐ Yes     X No Perforated? ☐ Yes     X No				- 1	DAHO DEPARTMENT OF	LANDS	χ.	2
How perforated? ☐ Factory ☐ Knife ☐ Torch ☐ Gun	-	$\vdash$	-	_			+	+
Size of perforation inches by inches					MAY 1 3 202	4		
Number From To								
perforations feet feet feet feet feet			-	-	PEND OREILLE LAKE	ARFA		
perforations feet feet						7.11.1166	+	-
Well screen installed?   Yes   No  Manufacturer's name	1						7	
Type Model No.							1	-
Type Model No Diameter Slot sizeSet from feet tofeet	-	-					-	$\vdash$
Diameter Slot size Set from feet to feet					DEOFU	y pres pale		
Gravel packed? □ Yes ☒ No □ Size of gravel Placed from feet to feet			7		NEVERY	EU	T	
Surface seal depth 18+ Material used in seal:	-			. Q	APR B 10	200	-	$\vdash$
Bentonite Puddling clay						li		
Sealing procedure used: Slurry pit M Temp. surface casing M Overbore to seal depth					NORTHERN RE	GION		
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent					N A A C	-	+-	-
Weld							$\pm$	
☐ Cemented between strata  Describe access port	10.							-
Describe access por t	10.	Wo	rk start	ted 3	3-6-92 finished	3-7-9	72	
			-			100		-
6. LOCATION OF WELL	11.	DRIL	LERS (	CERT	IFICATION	34 D		
Sketch map location must agree with written location	15				all minimum well constru		ırds w	ere
Subdivision Name	FD	compli	ied witi	hat tr	ne time the rig was remove			
JUI 00	IJ	Firm N	Name_		Fir	rm No. <u>16</u>	3	
W E JUL 0 8 1992	.8		0	AQL	UA DRILLING	0.00		
	1	Addres	ss A	0. BO	PLORATION INC. Da	te <u>ファ/-</u>	71	
Lot No Block No	1	Signed			High 814 Scott	BROW	mhi	24
\$ 0	50	<b>-</b> 13	THERETE	and			7	
County Bonner	7		(	Opera	X HM	Brown	m	_
SW & SE & Sec. 16 T. 57 STR 1 WAT	2		1100	Орили	was a second			=

## 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.

USE TYPEWRYTER OR BALLPOINT PEN

Willing 30 days area are compre		abana		(3) (3) (1)	/ V		
1. WELL OWNER		WATE	R LEV	/EL			
Name Roger Best Address 298 Trailor Haven Rd. Hope, ID. 8383	,	Static	water i	evelfeet below la	ind surface.		
Address 298 Trailer Haven Rd. Hope, ID. 8383	6	Artesi	an close	Yes X No G.P.M. flo ed-in pressurep.s.	i.		
Owner's Permit No. 96-90 - N - 8		Contr	olled by erature <i>Desc</i>	y: Valve Cap ( 44 oF. Quality Ex- cribe artesian or temperature zone	Plug cellent s below.		
2. NATURE OF WORK	8.		L TEST				78
New well  Despened  Replacement Abandoned (describe abandonment procedures such as		□ Pu	mp ,	Bailer 🗆 Air 🛭	☐ Other		_
materials, plug depths, etc. in lithologic log)		Scharg	e G.P.M.	Pumping Level	Hours Pu	mped	
		0		- 20.			
3. PROPOSED USE							
	9.	LITH	oLogi	C LOG	2500		
☐ Other (specify type)	Bore Diam.	-	pth To	Material		_	ter No
4. METHOD DRILLED	84	+1	828	Sand Gravel as	nd Boulder		X
☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary	±.,					<u> </u>	يدانو فد
Cable Dug Dther							
5. WELL CONSTRUCTION		- 10		RECEIV	ED	-	
Casing schedule: Steel  Concrete Other				MAR 2.7	1990		
Thickness Diameter From To inches   Inches   From To feet 3D feet				N energy			
inches inches feet feet inches inches feet feet feet inches inches feet feet	normal a tim			IOWE	عيا		
Was casing drive shoe used?   ▼ Yes □ No							
Was a packer or seal used? ☐ Yes ☒ No Perforated? ☐ Yes ☒ No			Ţ,	DECEIVE	n		
How perforated?							
Number From To perforations feet feet			-	APR 2:1990.			
perforations feet feet				Department of Water Resou	irces		
perforations feet feet  perforations feet feet  Well screen installed? Yes No							
Manufacturer's name Cook Type Stanless Stee Model No. 10 Diameter 87 Slot size 20 Set from 30 feet to 35 feet							
Diameter 7 Slot size 20 Set from 30 feet to 35 feet Diameter Slot size Set from feet to feet	***			)			
Gravel packed?				10133	32		
Surface seal depth AO Material used in seal:   Cement grout  Bentonite  Puddling clay				- Inches			
Sealing procedure used:   Slurry pit   Temp. surface casing			( e.7.5	DAHO DEPARTMENT OF L	ANDS		
☐ Overbore to seal depth  Method of joining casing: ☐ Threaded   Welded ☐ Solvent				MAY 1 3 2024		$\vdash$	
Weld  ☐ Cemented between strata				2 0024		ليا	
Describe access port Well Sea	10.	Wo	rk starte	PENBORENLE POKE AF	<del>43</del> -20-	90	
6. LOCATION OF WELL	11.	DRIL		CERTIFICATION	- 2.	0	$\exists$
Sketch map location must agree with written located		I/We	certify	that all minimum well const	ruction standar	rds we	ere
Subdivision Name	ME	omp)	led with	at the time the rig was remo		_	
Subdivision Name JUN 2 1 19	71	≠irm N	lame 0		irm No. 23		_
Lot No. Tax D Block No.	•	Addre	ss <u>26</u>	napoint, ID	Date 3-20	-9	2
N. I.		Signed	by (Fir	rm Official)	tues		
County Bonner	ف	Í	(C	and Operator)	Ju-	_	-
5W 1/5W 1/4 Sec. 16, T. 57 (14, R. 1 (14)	-	**	15	Mary 1 3			_

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

Water Administration

Water Administration

Water Administration

Water Administration

Administration

Water A

days after the completion or	abando	nment	of the w	eli	JE 11 117 1	*
1. WELL OWNER			LEVEL	10		
Name AL & Rose SylvesTer- Address Hope Jan.  Owner's Permit No. 96-73-N-7	St Fr	atic wa lowing?	ter level	20 feet redgy land sures ⊠ No G.P. Military  —° F. Quality	face j	<u></u>
Address Hope Jan	Te	emperat	ture	° F. Quality	fer Admini	
Owner's Permit No. 96-73-N-7	Co	ntesian ontrolle	closed-in			
2. NATURE OF WORK	8. W	ELL TI	ST DA	TA Well Scar B,	y Driller	
New well Deepened Replacement				☑ Bailer ☐ Other	Hours Pump	
☐ Abandoned (describe method of abandoning)	Di	-	G.P.M.		1-2/2	
3. PROPOSED USE						
Domestic ☐ Irrigation ☐ Test	9. L	ITHOL	OGIC L	.og		
☐ Municipal ☐ Industrial ☐ Stock	Hole Diam.	From	pth To	Material	-	Water es No
	60	0	14	Clay a Grand		X
4. METHOD DRILLED			35	Hald gan clay		X
Cable □ Rotory □ Dug □ Other		35	40	Pea Sternel w/ 4.	ater 1	X )
5. WELL CONSTRUCTION	-		-			+
Diameter of hole						
Casing schedule: 💢 Steel 🗆 Concrete		-				
Thickness Diameter From To  Or2-50 inches 1 feet 40 feet						
inches inches feet feet feet		-				-
inches inches feet feet						
inches inches feet feet feet inches feet feet feet	Ĺ					
Was a packer or seal used? ☐ Yes   DX No Perforated?						
How perforated?  Factory  Knife  Torch						
Size of perforation inches by inches  Number From To						
perforations 36 feet 90 feet			10	HO DEPARTMENT OF LAN	DS	
perforations feet	V			MAY 1 3 2024		
				WAL 1 3 2024		
Well screen installed? ☐ Yes ★ No Manufacturer's name		-	P	END OREILLE LAKE ARE	A	+-
Type Model No 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	7.9004			60325	6	
Material used in seal						
6. LOCATION OF WELL	1_	1				Щ.
Sketch map location must agree with written location.	10.					
(c)	V	Vork sta	arted	2-21-73 finished	3-1-73	3
968					Eles)	
W E	1		-	ERTIFICATION rilled under my supervision a	nd this report is	
1		true to	the best	of my knowledge.	•	
				rich Pribbing	24	18
0	i	Oriller's	or Firm's	Name De Gracken	Numbe	r
County Bonner		Address	2 Bo	7508 Like 1	Dent	
5w 1/5 5 1/4 Sec. 16, T. 57 NM, R. / EM	1	Signed B	v del	1508 Libby 11	3-3-3 Date	73

#### State of Idaho Department of Reclamation

WELL DRILLER'S REPORT

State law requires that this report be filed with the State Reclanding within 30 days after completion or abandonment of the well. 7. WATER LEVEL 1. WELL OWNER Wenze Static water level \_\_\_\_\_\_\_ feet below land surface Flowing? Yes S-No G.P.M. flow Temperature F, Quality Owner's Permit No. 96 - 73 - N - 8 Artesian closed-in pressure\_ ☐ Cap ☐ Plug 8. WELL TEST DATA WELL SCAL By Drikker 2. NATURE OF WORK **⊠** Bailer New well ☐ Pump □ Deepened □ Replacement ☐ Other **Hours Pumped** Discharge G.P.M. Draw Down □ Abandoned (describe method of abandoning) 15 APM 2Hrs 3. PROPOSED USE Domestic 9. LITHOLÓGIC LOG □ Irrigation ☐ Test Depth Water ☐ Stock ☐ Municipal □ Industrial cobbles -cfax - dravels 4. METHOD DRILLED 38 42 **Cable** ☐ Rotory □ Dug □ Other Bottom of 5. WELL CONSTRUCTION Total depth \_\_\_\_\_feet Diameter of hole Le inches Casing schedule: ☐ Concrete Steel Thickness 0.280 inches 19 inches 1/ feet 52 feet inches \_ inches \_ feet . inches \_ feet inches \_\_\_ feet \_ inches inches \_\_\_ \_ inches E No ☐ Yes Was a packer or seal used? E Yes □ No Perforated? A Torch IDAHO DEPARTMENT OF LANDS From 48 feet \_ \_ perforations \_ \_ perforations \_ \_ feet \_ feet ₽ No Well screen installed? ☐ Yes Manufacturer's name\_ \_ Model No. \_ Diameter\_\_\_Slot size \_\_\_ Set from \_\_\_\_\_ feet to Diameter\_\_\_ Slot size\_\_\_ Set from\_\_\_\_\_ feet to\_\_ Gravel packed? ☐ Yes ☑ No Size of gravel\_ ☐ No To what depth 18 Surface seal? Yes 6. LOCATION OF WELL Sketch map location must agree with written location. Work started 2-24-73 finished 2-25-73 11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is

# State of Idaho Department of Water Administration Department of Water Administration

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water days after the completion or abandonment of the well. nistration within/30 -7. WATER LEVEL 1. WELL OWNER Name Jab a Margaret Best Static water level feet below land surface Flowing? Tes Pro G.P.M. flow

Temperature F. Quality Artesian closed-in pressure\_\_\_\_ \_\_p.s.i, 8. WELL TEST DATA Well SCAL By Driller 2. NATURE OF WORK New well ☐ Deepened ☐ Replacement ☐ Pump **Ճ** Bailer ☐ Other Discharge G.P.M. Draw Down Hours Pumped ☐ Abandoned (describe method of abandoning) 20 4Pm 51 2he 3. PROPOSED USE Domestic ☐ Irrigation ☐ Test 9. LITHOLOGIC LOG Depth Water ☐ Municipal ☐ Industrial ☐ Stock Material Yes No From To 4. METHOD DRILLED Cable ☐ Rotory ☐ Dug ☐ Other 5. WELL CONSTRUCTION \_ inches Total depth <u>3/</u>feet Diameter of hole \_\_\_ Thickness Diameter
0,250 inches 635 inches + From /\_\_\_ feet \_\_\_\_\_\_\_feet \_\_\_\_ inches \_\_\_\_\_ inches \_\_ \_\_ feet \_\_ inches \_ \_\_\_\_feet \_\_\_\_\_ inches \_\_\_\_\_ feet \_ \_ inches \_\_\_ \_\_ inches \_\_ \_\_ feet Was a packer or seal used? □ Yes ⊅Ño Perforated? ,⊠Yes How perforated? ☐ Factory ☐ Knife Size of perforation \_\_\_\_\_ inches by \_ DAHO DEPARTMENT OF LANDS 2.7 feet \_ \_ perforations \_ MAY 1 3 2024 \_\_ perforations \_\_\_\_\_ feet \_ perforations \_ \_ feet PEND OREILLE LAKE AREA Well screen installed? □ Yes Þ No Manufacturer's name \_ 
 Type
 Model No.

 Diameter
 Slot size
 Set from
 feet to
 feet

 Diameter
 Slot size
 Set from
 feet to
 feet
 Type\_ Gravel packed? ☐ Yes ☐ No Size of gravel\_\_\_ CC32.57 Surface seal? DYYes 
No To what depth /8 feet 6. LOCATION OF WELL Sketch map location must agree with written location. Work started 2-25-23 finished 2-26-73 0.0 11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. Ld Brick Drilling

# State of Idaho Department of Water Administration

REGIST

WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Administration within 30 1/2 20 1/2

days after the completion of				vell. (U.IN3) (UeDay)	- See A Section		
1. WELL OWNER	7. V	VALLER	CENE C	vell. (C.DIS) Deposition	ò; j	(0)	
Name I - ha Margaret Brot	1.			1,			
Name Jebe Margaret Best  Address Hope Tide  Owner's Permit No. 96-73-N-10	) è	itatic wa Inwing	eter leve	feet below land sues DNo G.P.M. flow	irrace 📑	٠,٠٠٠	ù
Address Hope Ida	i i	empera	ture	° F. Quality			
91-72 11-10	A	Artesian	closed-i	n pressurep.s.i.			_
Owner's Permit No. 16-13-N-10		ontroll	ed by	☐ Valve ☐ Cap	□ Plug		
2. NATURE OF WORK	8 V	/FILT	EST DA	TA WELL SEAL.	By Dril	Zer	
	". "		LOI DA	10			
New well ☐ Deepened ☐ Replacement		Pump		Bailer □ Other			
Abandoned (describe method of abandoning)		ischarge		Draw Down	Hours P	umped	
a Adamdoned (describe method of abandoning)		201	PM	5'	7	fre	
	-			<b>_</b>		-	
a spanners was	1					_	
3. PROPOSED USE							
☑ Domestic ☐ Irrigation ☐ Test	9. 1	ITHOL	OGIC L	og			
	Hole		pth			T táta	ter
☐ Municipal ☐ Industrial ☐ Stock	Diam.		To	Material		Yes	
4. METHOD DRILLED	64	0	18	Eley codbles &	Genel		义
- METHOD DIRECTO		18	25	Sty Clay			×
Cable ☐ Rotory ☐ Dug ☐ Other	==	25	30	water Styl		X	_
E WELL CONCIDENCE						1	
5. WELL CONSTRUCTION							
Diameter of hole 1 inches Total depth 50 feet							
Casing schedule: M. Steel D. Concrete	_					-	-
Thickness Diameter From To  0.280 inches inches + feet 30 feet						+	
inches inches feet 30 feet feet feet feet feet feet feet fee							
inches inches feet feet feet	<u> </u>						
inches inches feet foot						_	_
inches feet feet						$\vdash$	
Was a packer or seal used? ☐ Yes ☑ No			1.0				_
Perforated? ⊠ Yes □ No.			_ IDA	HO DEPARTMENT OF LAND	ns		
How perforated? ☐ Factory ☐ Knife 🔊 Torch							
Size of perforation 2 12 Minches by inches	-			MAY 13 2024		-	_
Number From To perforations feet feet				WAL 1 . 1 / U/4			
perforations feet feet			F	ND OBEIDE DAKE ASE			
perforations feet feet	-		P	ND OREILLE LAKE ARE	A		
Wall carpon installed?			*****				_
Welf screen installed? ☐ Yes ,ጆ(No Manufacturer's name							
Type Model No	-	-					
Diameter Slot size Set from feet to feet		-		003259		-	
Diameter Slot size Set from feet to feet				Unios		$\vdash$	
Gravel packed? ☐ Yes ☒No Size of gravel			7.12				
Placed fromfeet tofeet		-					
Surface seal? See ONO To what depth 15 teet						-	-
Material used in seal							
6. LOCATION OF WELL							_
Sketch map location must agree with written location.	10.						- 1
N I		ork start	ed_2	-26-23 finished	2-21-	23	- 1
			-			_	_
C, C	11. D	RILLER	R'S CER	TIFICATION	Cate	7	
108 " TITE	Th	is well	was drill	ed under my supervision and	this report is	5	-1
W	tru	e to the	e best of	my knowledge.			- 1
S	-	SOLA	Bric	K Prilling	96		- 1
	Dri	ller's or I	irm's Na	me Crischer	2.4j	8	- {
County Benner	R	72	Poxs	08 Libby 1	Person		1
County <u>Boons</u> Lot / 1 Sec. 2/ , T. 52 N/B, R. / EDS	Ad	dress		12 11			٠ (
	Sig	ned By	elle	Me Cracken	3-3-	23	. [

#### State of Idaho Department of Reclamation

WELL DRILLER'S REPORT



REGEIVED

State law requires that this report be filed with the State Reclamation Engineer

within 30 days after comple	tion or	abando	onment	of the well. Denne	W. 3	~	Table 1		
1. WELL OWNER	7. V	VATER	LEVEL	Inent of W	ater Ad.	A.			
Name WALTER F. RuBerg  Address Hope Tda.  Owner's Permit No. 96-73-N-11	7. WATER LEVEL  Static water level 25 feet below land surface Flowing?  Yes S No G.P.M. flow								
Address Hope IdA	Temperature° F. Quality								
Owner's Permit No. 96-73-N-11	C	Controll	ed by	□ Valve □ Cap I	□ Plug				
2. NATURE OF WORK	8. WELL TEST DATA WELL SEAL By Dr. HTS								
Ø New well ☐ Deepened ☐ Replacement		Pump		⊠ Bailer □ Other		-			
☐ Abandoned (describe method of abandoning)	-	ischarge ischarge		Draw Down	Hours Pa	_			
e e a sese a a a se Hi in 92	100 W		( ) (M)				_		
3. PROPOSED USE									
S. PROFOSED USE  Signature □ Irrigation □ Test	9. 1	LITHOL	-ògic i	-og					
	Hole	De	pth	Material	Wat				
☐ Municipal ☐ Industrial ☐ Stock	Diam.	From	To 4	Mary		Yes	*		
4. METHOD DRILLED	11	4	15	Copples e Bri			_		
📜 Cable 🗆 Rotory 🗆 Dug 🗔 Other	11	32	32	SAND ESPALES W.		4	-		
5. WELL CONSTRUCTION	*	40	58						
Diameter of hole 6 inches Total depth 58 feet			58	Bottom of Hobe					
Casing schedule: A Steel  Concrete	-		_			$\vdash$			
Thickness Diemeter From To  0.280 inches 1 1 feet 58 feet									
inches feet feet						$\vdash$	7		
inches inches feet _									
inches feet feet	_	-			<del></del>	-	-		
Was a packer or seal used? ☐ Yes ☑ No									
Perforated? □ Factory □ Knife → 🕱 Torch							-		
Size of perforation inches by inches	IDAHO DEPARTMENT OF LANDS				S		_		
Number From perforations # feet 5.8 feet									
perforations feet feet				MAY 1 3 2024			_		
perforations feet feet									
Well screen installed? ☐ Yes 🛱 No Manufacturer's name			PE	NO OREILLE LAKE AREA	١				
Type Model No									
DiameterSlot sizeSet fromfeet tofeet DiameterSlot sizeSet fromfeet tofeet									
	-	-		Ce3, co		$\vdash$	$\dashv$		
Gravel packed? Yes No Size of gravel  Placed from feet to feet						口			
Well was Stated. Error By So 8 32 Surface seal? St Yes I No To what depth 15 feet.						+	$\dashv$		
Material used in seal   Cement grout   X Puddling clay							$\exists$		
6. LOCATION OF WELL									
Sketch map location must agree with written location.						,			
N N	10. W	ork star	rted 2	-22-73 finished :	2-24-7	3			
01.					18	A	-		
96 8 W				RTIFICATION	•		- 1		
				lled under my supervision an of my knowledge,	u mis report (	5			
		12.00	76	the BORY	ח או. יי	10			
0	D		Firm's N		Numb	er	-		
County BOD ATT	A	ddress	2 8	0x 508 Lifty	mont	S	-		
Born Lot 14 Sec. 2/ T. 57 NW. R. / EM	2	Fore	4%	McCruken	3-3-2	3	. [		

#### STATE OF IDAHO **DEPARTMENT OF WATER RESOURCES**

USE TYPEWRITER OR BALLPOMIT

#### WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resource within 30 days after the completion or abandonment of the well. 1. WELL OWNER 7. WATER LEVEL Static water level \_25\_\_ feet below land surface. Flowing? Yes No G.P.M. flow Address Box 1934 Sandpoint Idaha Artesian closed-in pressure p.s.i.

Controlled by: Valve Cap Plug

Temperature OF. Quality

Describe artesian or temperature zones below. Owner's Permit No. 96-84-N-86 2. NATURE OF WORK 8. WELL TEST DATA New well □ Deepened ☐ Replacement **X**-Air □ Other \_ ☐ Pump □ Bailer ☐ Abandoned (describe abandonment procedures such as Discharge G,P,M. materials, plug depths, etc. in lithologic log) Hours Pumped 3. PROPOSED USE 9. LITHOLOGIC LOG ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection Bore Depth Water ☐ Other (specify type) Material Diam. From To Yes No 0 4. METHOD DRILLED Rotary **≯**Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable □ Dug □ Other 23 43 Coasse Sand & grown 5. WELL CONSTRUCTION Casing schedule: X Steel Concrete Other Thickness Diameter From feet 43.6 feet 6 inches + 256 inches \_\_\_\_ inches \_\_\_\_\_ inches inches \_\_\_ inches feet inches \_ inches Was casing drive shoe used? Yes □ No Was a packer or seal used? 

Yes ⋉ No Perforated? No.No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation \_\_\_\_\_ inches by \_\_\_\_\_ inches Number From \_\_\_ perforations \_ Department of Water Resources \_\_\_ perforations \_\_\_\_ \_\_\_\_\_ feet \_\_\_\_\_ feet perforations Well screen installed? 

Yes 
No Manufacturer's name\_\_\_\_ Туре \_\_\_\_ Model No. \_\_\_ Diameter Slot size Set from feet to feet
Diameter Slot size Set from feet to feet Debaument of Marie Brainicas Gravel packed? ☐ Yes 🔼 No ☐ Size of gravel \_\_\_\_ AHO DEPARTMENT OF LANDS Northern District Office Placed from feet to MAY 1 3 2024 Bentonite ▶ Puddling clay Sealing procedure used: Slurry pit Temp. surface casing 

Overbore to seal depth PEND OREILLE LAKE AREA Method of joining casing: ☐ Threaded ¥ Welded ☐ Solvent ☐ Cemented between strata Describe access port Work started 8-1-84 finished 8-1-84 6. LOCATION OF WELL 11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were Sketch map location must agree with written location. N complied with at the time the rig was removed. Internescentain Subdivision Name Lot No. \_\_\_\_\_ Block No. Signed by (Firm Official) Namew County (Operator)

, t. **52 60**s, r. **1 6**w.

14 NW 14 Sec. 21



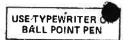


#### WELL DRILLER'S REPORT

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.

days after the completion of	apand	onment	of the v	vell.	AR 10 197	6	
1. WELL OWNER	7. V	VATER	LEVEL		nt of Water Res		حم
Name Med Start				20	" Water Res	OUTCE	is .
Name grad grad	S	tatic w	ater leve	feet below land sur	face		
Address Hope San.	ļ <del>,</del>	empera	ture	° F, Quality	24	-	
21 7- 11 02	A	rtesian	closed-l	n pressurep.s.i.			_
Owner's Permit No. 96-75-N-92	C	ontroll	ed by	□ Vatve □ Cap □	] Plug		
2. NATURE OF WORK	B. W	ELL T	EST DA	TA		() // ( ·	
Ø New well □ Deepened □ Replacement		] Pump	,	Bailer 🗆 Other			
THOM WON			G.P.M.	CONTRACTOR OF THE PROPERTY OF	Hours Pu	mped	
☐ Abandoned (describe method of abandoning)				7 6'	7	-	_
	-			4			= 11.1
3. PROPOSED USE							
Domestic   Irrigation   Test   Other (specify type)	9. 1	.ithoi	OGIC L	.og			
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or	Hole		pth	Material		_	ter
Injection	Diam.			0 47		Yes	No
4. METHOD DRILLED	6	0	25	slow a coll	P		1
		25	35	Heterin Bot	vely la		1
Ø Cable □ Rotory □ Dug □ Other		35	47	Sitt & Clay.	7	Ι.,	-
5. WELL CONSTRUCTION		77	54	Water Sent		1	-
	-					-	
Diameter of hole inches Total depth _524_feet			-				
Casing schedule:			37427222411		- 73-4		
Thickness Diameter From To							
inches inches feet feet		-					-
inches inches feet feet	1000				14 A 15	0,500	+++
inches inches feet feet							
inches inches feet feet							
Was a packer or seal used? ☐ Yes ☑ No							
Perforated? ☐ Yes ☐ No		-					-
How perforated? ☐ Factory ☐ Knife ☐ Torch	<u> </u>						
Size of perforation / inches by link inches							
Number From To  20 perforations 50 feet 54 feet			IDA	HO DEPARTMENT OF LAND	S		
perforations feet feet feet			IDA	TO DELYTTIME TO		-	_
perforations feet feet	*	-		MAY 1 3 2024			-
			-	WAT 1 3 6024			-
Well screen installed?							
Manufacturer's name Model No			PE	ND OREILLE LAKE AREA	<b>\</b>		
Diameter Slot size Set from feet to feet	-	-	-	10 H/2	<del></del>	-	-
Diameter Slot size Set from feet to feet	-						- 12
Gravel packed?	-						
	-				7620	-	-
Surface seal depth Material used in seal Cement grout		-	-		JOEU		
☐ Puddling clay							
Seeling procedure used							
Overbore to seel depth							
6. LOCATION OF WELL	10.		1	2 6 1	4-20	سر دامید	
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L "	ork sta	rted /	2-15-15 finished_	12-23	در	
Sketch map location must agree with written location.							
F 97 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	11.0	RILLER	S CERT	FICATION (	1	ed .	
Subdivision Name Tarselfuch	,	irm Na	me A	U Brib Willing	Firm No	24	18
E STATE OF THE STA	ľ		M	10 (			
Lot No Block No	1	vddress/	1/26	on soch elle horis	_'Date /2_	24	=3
		۰ مدسده	. 1m 1	Official Standy	m f	1.	
00		MALIER D	y (Firm (	nd O	er c		~
county Bappace Ala.				rotor) Manald B	Bok.	ho	,
NE V WWV con 21 + E7 wider 1 and			(Ope	will france (1)	uc was		~









JUN 18 1976

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

Oays arter the completion o	JI abanc	TOUMBU	t of the v	veil. Department of	Water Resource	23	
1. WELL OWNER	7. 1	WATER	LEVEL				Stor an
Box Madinais	Ι.,				νν.	/	(8)
Name Ray Mc Sinnis Address RT2 By 260 Post Hello olda	-   5	Static w	ater leve	1 20 feet below land su	rface		
Address BT2 Bar 260 Pat Mille Ida.	1 :	Flowing	YO	es No G.P.M. flow			-
Hadiess The State of the State	1	l emper	ature	° F. Quality			
Owner's Permit No. 96-76-N-65	. [	Control	led by	n pressurep.s.i. □ Valve □ Cap	□ Plug		
2. NATURE OF WORK	8. V	NELL T	EST DA	TA			-
New well   Deepened   Replacement	1	3 Քսու	<b>,</b>	Bailer			
☐ Abandoned (describe method of abandoning)		ischarge	G.P.M.	Draw Down	Hours Pr	ımpec	-
a Abandoned (describe metriod of abandoning)		_ 2	and:	10.	. 2	=	
VALUE OF THE PARTY							
	<b>_</b>						
3. PROPOSED USE	-	-		d			
Domestic   Irrigation   Test   Other (specify type)	9. 1	LITHO	LOGIC L	.06			
☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or	Hole		opth			T 10/-	ter
Municipal L. Industrial Stock Waste Disposal or Injection	Diam.	_		Material		-	No
	- 6	0	20	clay costles o	arenel.		
4. METHOD DRILLED			35	Silt & Grant	1		2
2 Cable ☐ Rotory ☐ Dug ☐ Other		35	40	Sand a Miere		~	
_ notary _ Dog _ Done	_	-			/		
5. WELL CONSTRUCTION		-				_	
/						_	
Diameter of hole inches Total depth feet		-	<b>—</b>				
Casing schedule: Steel   Concrete						-	-
Thickness Diameter From To							
inches inches feet feet		171112					
inches feet feet				بريط وويصيع الراكاسي	A		7
inches inches feet feet			:				
		-	_			_	
Was a packer or seal used? ☐ Yes ☐ No		-	_				
Perforated?						-	
How perforated?			ID	UO DEDA		-	_
Number From To				HO DEPARTMENT OF LAND	3		
24 perforations 36 feet 40 feet	$\vdash$		Ē.				
perforations feet feet	<b>—</b>	-		MAY 1 3 2024			
perforations feet feet	-			Mark Article		_	
			P	ND OREILLE LAKE AREA		-	_
Well screen installed?		-		THE OTHER LANG AREA			
Manufacturer's name Model No						-	-
DiameterSlot size Set from feet to feet							
Diameter Slot size Set from feet to feet							
i	-10000						
Gravel packed? Yes No Size of gravel			- 2	00369	2	-	
Placed fromfeet tofeet		T.E.II.TUE		CACOS	R4	-	
Surface seal depth & Material used in seat   Cement grout				71770		-	_
□ Puddling clay □ Well cuttings							-
and the state of t						$\Box$	
D Overbore to seel dopth							
S. LOCATION OF WELL	10,		4	1 15-71	11000	,	
map location must agree with written location.	We	ork star	ted7		74-1- Bl	2	æ
N N N N N N N N N N N N N N N N N N N	/			1.00		J	
	EI. DE	RILLERS	CERTIF	TCATION	ΝΝ	-	
Subdivision Name Tarestle lauk	F	- 187	Ma	ld Breek Mullen		2 //	ار
The second of th		. 0.50		' - 7	Firm No	<b>=7</b> 0	7
Let No Block No	A	doress &	728	2508 Sith Mon	Dates 5-2	91	21
BIOCK NO.		- 5		Q-1/114	6	7	
	Ş SI	gned by	(Firm O	fficial) Alexand 57	recessor	ko	~
County Bonne Es			one	D C	2 1	,	.1
			(Open	mi) Nonald J 1	ne Cioc	ten	1
NE 1/ 1/1/ Sec. 2/ T. 57 N/R. / EAS							1

## State of Idaho Department of Reclamation

#### 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. Department of Rec 7. WATER LEVEL 1. WELL OWNER Static water level 25 feet below land surface Flowing? Yes E No G.P.M. flow\_ Temperature\_\_\_\_\_° F. Quality\_\_\_\_ Artesian closed-in pressure\_\_\_\_ Owner's Permit No. Controlled by Uaive 8. WELL TEST DATA 2. NATURE OF WORK New well **Ø** Bailer ☐ Pump ☐ Other □ Deepened ☐ Replacement Hours Pumped Discharge G.P.M. Draw Down 2011/19 ☐ Abandoned (describe method of abandoning) 3. PROPOSED USE 9. LITHOLÓGIC LOG Domestic ☐ Irrigation ☐ Test Water Depth Meterial ☐ Municipal ☐ Industrial □ Stock From To Yes No 20 4. METHOD DRILLED **Cable** ☐ Other ☐ Rotory □ Dug 5. WELL CONSTRUCTION inches Total depth 56 feet Diameter of hole \_ Casing schedule: Thickness 1230 inches 6960 inches +10 feet = \_ inches \_\_\_\_ inches \_\_\_\_\_ feet inches inches \_ feet \_\_ inches \_\_ inches \_\_ \_\_ feet feet \_ inches \_\_ inches \_ ☐ Yes ← No Was a packer or seal used? Perforated? ☐ Yes ☐ No How perforated? Factory Knife ST Size of perforation inches by Size of perforation 12 IDAHO DEPARTMENT OF LANDS \_\_ perforations \_\_\_\_\_ \_\_ feet \_ \_\_ feet \_ \_\_ perforations \_\_\_\_ ☐ Yes ZHNo Well screen installed? Manufacturer's name \_ PEND OREILLE LAKE AREA \_ Model No. \_ Type\_ Diameter\_\_\_Slot size \_\_\_ Set from \_\_\_\_ feet to Diameter\_\_\_ Slot size\_\_\_ Set from\_ \_ feet to \_ Gravel packed? ☐ Yes ♠ No Size of gravel\_ Placed from\_\_ \_\_feet to\_\_\_ □ No To what depth <u>→ ○</u> Surface seal? Yes 6. LOCATION OF WELL Sketch map location must agree with written location. Work started 10-13-69 finished 10-15-69 11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge.

Form 6/02	238-
6/02	

# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

	C	Office	Use Only	v
Well	ID No			
Inspe	cted	by		
Twp_		Rge	S	<b>∋</b> c
	1/4	_	1/4	1/4
Lat:	*	3	Long:	9 %

WELL DRILLER'S REPORT	ı				Inspe	cted by			
1. WELL TAG NO. D 0045026						Rge			
DRILLING PERMIT NO. 841974 Water Right or Injection Well No.	10 V	VE11 -	TESTS			_ 1/4 1/4 _		4	Į.
Water Right or Injection Well No.	12. ¥		onmb JE212		Lat:	: : Long		(\$)	
2. OWNER:		Yield gal		☐ Bailer ☐ Drawdow		☐ Flowing A			
Name Dolores Poolman		30	///////	C	'n	Pumping Level		Time	
Address 31 Derby Ln	-		_	-		20			_
Address 31 Verby Ln City Ossining State NY Zip 10562	-	_		<del> </del>					_
	Water	Temp	-	147		<u> </u>			_
3. LOCATION OF WELL by legal description:	Mato	· Oualis	. 44 -4	4/		Bottor	n hole ten	np	
You must provide address or Lot, Blk, Sub. or Directions to well.	water	Quality	y lest or	comments:					_
Twp. 57 North or South	40.1					Depth first Wa	ter Encou	inter 3	5
Rge. East or West	13. L	ITHOL	.OGIC	LOG: (Descril	be repai	rs or abandonment	}	Wat	
Sec. 21 1/4 NS 1/4 NW 1/4 Gov't Lot County Bon New 180 acres	Bore Dia.	From	То			Water Quality & Temp		Y	
Lat: Diff : 16 : 02 C   Lange (all 6 - 2 A - CET)	8	0	20				rerature	Y	r
Lat: 1148:16:835 Long: W116:20:855 Address of Well Site Tressle Check - Creek Side			<i>30</i>	Copp	les	- Sand			
Lin Cou Donbert	9	30)	60	5000	oles_	- Sord			١
(Give at least name of road + Distance to Road or Landmark)  City Sandpoint	0	عد	60	Pea	ora	vel		X	
Lt Blk Sub. Name	$\vdash$				-				
		_	_						
4. USE;	$\vdash$	-							
Si Domostio Classica		_							
□ Domestic □ Municipal □ Monitor □ Irrigation □ Thermal □ Injection □ Other	$\vdash$		-						
a mjoulot a offer	-	-							
5. TYPE OF WORK check all that apply (Replacement etc.)	-	_							
New Well  Modity  Abandonment Other	$\vdash$		-						
	-								
6. DRILL METHOD:					~				
M Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other		-			MER				
7. SEALING PROCEDURES					20	Elle			
	-	-			CT 1	ED			
Seal Material From To Weight / Volume Seal Placement Method	-	_			,	ZEIVED 1 2006			
Bentonite 0 30 300 Temp casing	$\vdash$				VYEA				
					~//	ONA			
Was drive shoe used? \( \textstyre \textstyre \) \( \text	-		-						
Was drive shoe seal tested? \( \textstyle \t									
8. CASING/LINER:	-								
Diameter From To To	-			IDAHO DE	PARTME	NT OF LANDS			
6 4 55 200 St 1 St 2	-								
	-			- MA	Y 13	2024			
	-	_		E	- 0	2024			
Length of Headpipe Length of Tailpipe	-			PENDO	2010				_
Packer TY N Type	$\vdash$	_		F. CIAD OF	VEILLE !	LAKE AREA			
	-	_				-			
9. PERFORATIONS/SCREENS PACKER TYPE									
Perforation Method		-+							
Screen Type & Method of Installation Johnson	-	-							
From To Slot Size Number Diameter Material Casing Liner	$\perp$								
53 60 35 5 stainless 1		leted D		59'	-		(Mea	asurable	e)
	Date:	Starte	$_{\rm d}$ $Q$	-5-06		Completed	9-7-		
				RTIFICATION		Completed	<u> </u>		===
10. FILTER PACK	We co	rtify the	l 3 CEP	TIFICATION					
Filter Material From To Weight / Volume Placement Method ti	ime the	rig wa	s remov	anum wer cons ed.	uuclion s	standards were comp	blied with	at the	
		-	22		ر ج ک				_
	Compar	ıy Nam	e <u>150</u>	6 Pit+5	504		Firm No.	2.	-
			Dal	1////	_		0 -	.11	
(1) ft. below ground Artesian pressure Ib a	rincipa and	ı Dullei	1M	Camp		Date _	9-7-	00	
	Oriller or	r Opera	itor II			Date			
well son!			-			Date_			_
	Operator	r i				Date			
57N IE 21			Р	rıncıpal Driller a	ind Rig C	perator Required.			

# IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D	42 6	TATIC	NATED		TECTO:		
Drilling Permit No. 888 103				LEVEL and WELL 1	Static water level (ii)	10	)
Water right or injection well #					hole temp. (°F)		_
2. OWNER: Valignt Idaha 166	Deer	iho scro	ee nort	12111 cc	D Comp. ( F)		
Name Volicut Ideha Ale	Well t		ss purt_	and the	Test method:		
Address 310 Charliston 61		down (fee	Disc	harge or Test dura	tien Russ Calas		lowing
City Colobration State FL Zip 34747	41		yız	olus 3 Hour	3)	., 2	rtesian
3.WELL LOCATION:	1		150	2/1.3 0:1100			Ħ
	Water	quality i	est or co	mments:	Fan		_
Twp. 52 North (1) or South Rge. 0 East (2) or West Sec. 21 1/4 1/4 1/4 1/4 1/4		HOLOG	IC LOG	and/or repairs or a	bandonment:		
Sec. Of 10 10 10 10 10 10 10 10 10 10 10 10 10	Bore Dja.	From (ft)	To (ft)		description of repairs or		ater
Gov't Lot County Britings	((0)	1117	1119	abalidbiiii	ent, vrater temp.	Y	N
Lat 48° 16.70 (Ozg. and Decimal minutes)	12	0	53	Surface	Pal	TX	-
Long1/6 ° 20-704 (Deg. and Decimple minutes)	10	10	30	Juline	er ex	11	+-
Address of Well Site Trailer House Road	3	0	40	Grove , cos	Ve ilas	IX	İ
TOPS MINISTER CLASS - INDICE S RESERVING		1		13.216 5 7 1 100	1		
Lot Blk Sub. Name	8	90	77	Level Copp	10 Sand		
				L'at	e	X	
4. USE:    Domestic   Municipal   Monitor   Inigation   Thermal   Injection		<u> </u>					
Other			-			-	├—
5. TYPE OF WORK:	-	-	IDAI	O DEPARTMENT O	FLANDS		-
New well Replacement well Modify existing well		-	1				-
Abandonment Other			<del>                                     </del>	MAY 1 3 200	Λ	1	
6. DRILL METHOD: Air Rolary Mud Rolary Cable Other				WITH I D LUC			
7. SEALING PROCEDURES:							
Seal material From (fi) To (ft) Quantity (los or It') Placement method/procedure			PE	ND OREILLE LAK	AREA		
Bentsite 0 58 75 Kos Hor						_	-
			-			_	-
8. CASING/LINER:		1					-
Diameter (nominal) From (II) To (II) Gaugel Schedule Material Casing Liner Threaded Welded				RECE	IVED	_	1
8% -2 72 322 Steel 4 0 0 0							
				SEP 1	0 2019		
		_		JLI			_
		-		1011/0	NORTH		-
Was drive shoe used? X Y N Shoe Depth(s) 72		-	-	IDWR	14011111	_	┼
9. PERFORATIONS/SCREENS:		-					-
Perforations   Y   N Melhod							
Manufactured screen X Y N Type 9/1/20							
Method of installation Set			-			-	_
[ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]				·2 ~ (	-1		
Front (ii) 10 (ii) Sist Size (Adiliseint (naminal)) Malchai Gazge of defeather			oth (Meas				
72 77 100 7in 5tinbss 5/00	Date	Started:	Hug 15	- / <b>9</b> Dal	e Completed: Fil?	6-17	
				TIFICATION:			
			at all min g was rei		n standards were com	alled with	at
Length of Headpipe 2 +007 Length of Tailpipe			//	icerol firth	,	11	
Packer 🔀 Y 🗌 N Type	Comp	any Nai	πe_///	Wester U. II	Co. No	E-50	)_
10.FILTER PACK:	*Print	cipal Dril	ler	al Hitto -	Date_/	1co 17	-19
Filter Manerial From (Fi) To (fi) Quantity (Tos or fi <sup>3</sup> ) Placement method	*Drille	r A	1157:	11:116	Date /	12	11.
			01	11:11	15	1 11	<del>/-</del>
	*Ope	rator 11_	15.11	55 11.7/61	Date /2.	3/2	15
11. FLOWING ARTESIAN:	Oper	ator I			Date		
Flowing Artesian? TY Y N Artesian Pressure (PSIG)	* Sin	nature o	f Princis	al Driller and rig op	erator are required		
Describe control device 1/12/11 COV	Yig			a. Simor and ny op	ore required.		

## STATE OF IDAHO DEPARTMENT OF WATER RESOURCES

USE TYPEWRITER OR BALLPOINT PEN

#### WELL DRILLER'S REPORT

State law requires that this report be filed with the Director, Department of Water Resources

1. WELL OWNER  Name Ares M. & Fuzaser A. Mc Millar  Address BOS F. Book Survey WA  Owner's Permit No. 96-82-N-8  2. NATURE OF WORK  New well Deepened Replacement Abandoned (describe method of abandoning)  3. PROPOSED USE  Domestic Irrigation Test Municipal Industrial Stock Waste Disposal or Injection (specify type)  4. METHOD DRILLED  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 2 Cap Plug  Temperature Coldo F. Quality Excellent 7  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 2 Cap Plug  Temperature Coldo F. Quality Excellent 7  Swell TEST DATA  Discharge G.P.M. Pumping Level Hours Pumped  9. LITHOLOGIC LOG  Hole Depth Diam. From To Material Waterial Yes  4. METHOD DRILLED
Address Bobs E. Boux Bobs L. Boux Bobs E. Boux Box Bobs E. Boux Bobs E. Box Box Bobs E. Box Bobs E. Box
Owner's Permit No. 96-82-N-8    Controlled by: Valve   Cap   Plug   Temperature   College   Cap   Plug   Cap   Plug   Temperature   College   Cap   Plug   Cap   Plug   Cap   Plug   Cap   Plug   Cap   Plug   Cap   Plug   Cap   Cap   Plug   Cap   Plug   Cap   Cap   Plug   Cap   C
Temperature ColdoF. Quality Excellen 7  2. NATURE OF WORK  St. New well   Deepened   Replacement   Discharge G.P.M.   Pumping Level   Hours Pumped    3. PROPOSED USE    Domestic   Irrigation   Test   Municipal   Industrial   Stock   Waste Disposal or Injection   Other   (specify type)    4. METHOD DRILLED    Temperature ColdoF. Quality Excellen 7    Replacement   Pump   Bailer   Air   Other     Discharge G.P.M.   Pumping Level   Hours Pumped     Discharge G.P.M.   Pumping Level   Hours Pumping Level     Discharg
New well   Deepened   Replacement   Pump   Bailer   Mair   Other
Abandoned (describe method of abandoning)  Discharge G.P.M. Pumping Level Hours Pumped  50  3. PROPOSED USE  Domestic   Irrigation   Test   Municipal   Industrial   Stock   Waste Disposal or Injection   Other   (specify type)  4. METHOD DRILLED  Discharge G.P.M. Pumping Level Hours Pumped  4. Discharge G.P.M. Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  50  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  50  4. Method Domestic   Irrigation   Test   Municipal   Pumping Level Hours Pumped  6. Depth   Material   Water   Pumping Level   Hours Pumped  6. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  6. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  6. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Discharge G.P.M.   Pumping Level   Hours Pumped  9. LITHOLOGIC LOG  8. Depth   Disc
3. PROPOSED USE    Discharge G.P.M.   Pumping Level   Hours Pumped
3. PROPOSED USE    Domestic   Irrigation   Test   Municipal
Domestic   Irrigation   Test   Municipal   9. LITHOLOGIC LOG     Industrial   Stock   Waste Disposal or Injection   Other   (specify type)   Diam. From To   Material   Yes     4. METHOD DRILLED   8 0 26 800 der 5   4 60 6 700el   X
Industrial   Stock   Waste Disposal or Injection   Hole   Depth   Diam. From   To   Material   Yes
4. METHOD DRILLED  (specify type)  (specify ty
4. METHOD DRILLED 8 0 26 Boarder 5 6 26 60 Gravel X
6 26 60 Gravel X
St. Rotary Air Hydraulic Reverse rotary
☐ Cable ☐ Dug ☐ Other
5. WELL CONSTRUCTION
Casing schedule: \$\text{C} Steel  \text{Concrete}  \text{Other}  \text{DAHO DEPARTMENT OF LANDS}
Thickness Diameter From To
inches inches feet feet
inches feet
Was casing drive shoe used?   ▼ Yes □ No  Was a packer or seal used? □ Yes   ▼ No
Perforated? Yes M No
How periorated? I Factory II Knife II forch
Size of perforation inches by inches  Number From To 11 1092
perforations feet feet
perforations feet feet Department of Water Rescurces
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 JUN 8 1982
Surface seal depth 20 Material used in seal: Cement grout  Department of Water Resources
Puddling clay Well cuttings Department District Office
Sealing procedure used: Slurry pit Temp, surface casing  Querbore to seal depth
Method of joining casing: ☐ Threaded ☑ Welded ☐ Solvent
Weld
Describe access port    Cemented between strata   10.   Work started   4/4/82   finished   4/4/82
Work stated 4/4/82 Inished 4/4/82
6. LOCATION OF WELL 11. DRILLERS CERTIFICATION
Sketch map location must agree with written location.  I/We certify that all minimum well construction standards were
Subdivision Name complied with at the time the rig was removed.
Firm Name Dry Mrs Inc Firm No. 245
W Box 723
Address Date #16 82
Signed by (Firm Official)
County LOUNER and DATE +
NL V US V Sac 31 T ST NA B / 500

#### State of Idaho **Department of Reclamation**

WELL DRILLER'S REPORT

Location Corrected by IDWR To: T57N R01E Sec. 21 NWNENW

within 30 days after comple	tion or	aband	onment	of the By: segbert 2012-04-02		- 7	
1. WELL OWNER  Name_Llordon F Mead	1		LEVEL		e di na		
Address Bur 2+5 Hope dda	Static water level 20 feet below land surface Flowing?  Yes No G.P.M. flow Temperature						
Owner's Permit No. 96-69-N-8		Artesian Controll	closed-i ed by	n pressurep.s.i.  U Valve  Cap Plug		0.000	
2. NATURE OF WORK	8. V	VELL T	EST DA	ITA			
New well □ Deepened □ Replacement		Pump	G.P.M.	Ø Bailer □ Other			
☐ Abandoned (describe method of abandoning)			P/27		rumpe	-	
3. PROPOSED USE						_	
Domestic   Irrigation   Test	9. 1						
☐ Municipal ☐ Industrial ☐ Stock	Hole Diam.		pth To	Material		ater No	
4. METHOD DRILLED	6"		10	Gravel & Clay	#	e	
Cable   Rotory   Dug   Other		15	25	Boulding W/ Sond	#	1	
5. WELL CONSTRUCTION	- 1	35	54	I Water Sand.	-	+	
Diameter of hole			54	Bottom of Hole	#	F	
Thickness Giemeter From To							
inches inches feet feet feet feet						E	
inches inches feet feet feet feet						H	
Was a packer or seal used? ☐ Yes ☑ No					-	5.00	
Perforated?							
Number From To perforations 50 feet 5 feet			IDA	HO DEPARTMENT OF LANDS	$\equiv$	10-1	
perforations feet feet feet	<u></u>		_	MAY 1 3 2024			
Well screen installed? ☐ Yes 戶 No		-					
Manufacturer's name Model No			PE	ND OREILLE LAKE AREA			
Diameter Slot size Set from feet to feet Diameter Slot size Set from feet to feet		4.	14				
Gravel packed? ☐ Yes Æ No Size of gravel				102946		- 5	
Placed fromfeet tofeet					=		
Surface seal? Let Ves One No To what depth To feet  Material used in seal Cement grout Deputedling clay							
6. LOCATION OF WELL	17	-,-	*				
Sketch map location must agree with written location.	.10. Wo	ork start	ted	10-9-69 finished 10-10-	6.4		
<del> - </del> - - - -	11.0					-	
W	Th	is well :	was drill	TIFICATION  ed under my supervision and this report	is	- 1	
96		20		my knowledge.	0-		
County Bonne	17 C 24	Be	bby		per	-	
N W 14 N N/4 Sec. 21 T. 5711 N/ R. LEM	Adi	dress	no	12 Emelon 10-15	-69		

Form 238-7 7/98 Starships Consulting and Management Services

#### IDAHO DEPARTMENT OF WATER RESOURCES

		Office	Use	Onl	У	
Inspe	cted	by				
Twp_		Rge		Se	C_	
	_1/4_		1/4		1/4	
Lat:	:	:	Lor	ıg:	:	:

				Lat: : Lo	ong: :		
X 10	I1. WELL TI	ESTS:					
Drilling Permit No: 830 531	☐ Pump	, 🗆	Bailer	✓ Air ☐ Flo	wina A	Artes	si'
Other IDWR No.				Pumping Level		7	ĺ
2. OWNER Well Number:	7				1hr		ĺ
Name Hatfield, Craig & Gayla 920							
Address 208 Monte Vista Dr							
City Bakersfield State CA Zip 93305	Nater Temp.	Cold	Bottor	m Hole Temp	Cold		
3. LOCATION OF WELL by legal description sketch map location must agree with written location	<b>Nater Quality</b>	y test or	comme	nts: Clear			
N = Sketch map location must agree with written location		_Depth	first Wa	ter encountered	_305		
Twp. 57 ✓ North or ☐ South 12 Rge. 1 ✓ East or ☐ West	LITHOLOG	SIC LOG	3:(Desci	ribe repairs or			
	n					Wate	er
w Sec. 21 SW 1/4 SE 1/4 1/4	Bore Diam From	To R	emarks: Litho	logy, Water Quality, Tempe	rature	Y	N
Sovie Lot Sound	8 0		Broken Shal	e			<b>V</b>
l Mar latr · · long·	8 9		Shale Gray				
	6 18		Shale Grav				7
	6 42 50		Shale Brown Shale Grav				
, Imparimon one	6 72		Shale grav fi	enotare ad I	- 1		> >
	6 81		Shale Grav II	actureu			<b>V</b>
	6 107		Shale Brown				7
	6 116		Shale Grav				
	6 305		Shale Gray				
☐ Thermal ☐ Injection ☐ Other	6 317		Shale Grav			-	
5. TYPE OF WORK check all that apply (Replacement, etc.)							
✓ Air Rotary Cable Mud Rotary Other   7. SEALING PROCEDURES   SEAL/FILTER PACK AMOUNT METHOD   Material From To Sacks or Pounds   BENTONITE 0 18 250 lbs Overbore   Was drive shoe used? Y N N N N How?    8. CASING/LINER:   Diameter From To Gauge Material Casing Liner Welded Threaded   4 -6 322 .160 PVC Y Y Image: PVC		MAY	PARTMENT  1 3 20  EILLE LAK	24	ם:		
Screens Screen Type From To Slot Size Number Diameter Material Casing Liner	Completed D Date: Started	3/	3/2005_	Completed	Measu 3/9	rable 9/200	
10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:  160 ft. below ground Artesian pressure lb.  Depth flow encountered 305 ft. Describe access port or	ere complied rm Name rm Official nd	at all mi with at H20 W COL	nimum w the time ellServi	vell construction the rig was rem dee loc. Firm Date	noved.	448 /¿)-	į