

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D D-0051233
DRILLING PERMIT NO. 843511
Water Right or Injection Well No. _____

2. OWNER:

Name Shirley Lanning
Address 1360 MOSES MT. RD
City TENSED State ID Zip 83870

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 44 N North ☒ or South ☐
Rge. 04 East ☐ or West ☒
Sec. 23 1/4 1/4 1/4 SW 1/4
Gov't Lot _____
County BLAINE
Lat: _____ Long: _____
Address of Well Site 1360 MOSES MT. RD.
City TENSED ID.
(Give at least name of road + Distance to Road or Landmark)
Lt. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Cable ☐ Mud Rotary ☐ Other _____

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	24'	700 lbs	POUR DRY

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 112'

Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6	2	112	25	STEEL	☒	☐	☒	☐
4	2	115	20	PVC	☐	☒	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation 1/2" SCREEN

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
115	145	.020		4	PVC	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
-----------------	------	----	-----------------	------------------

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

40 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: CAP

Office Use Only			
Well ID No. _____			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
_____ 1/4	_____ 1/4	_____ 1/4	
Lat: _____		Long: _____	

12. WELL TESTS:

☐ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min.	Drawdown	Pumping Level	Time
3-5			

Water Temp. COLD Bottom hole temp. _____

Water Quality test or comments: CLOUDY

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
10	0	9	SILTY BROWN CLAY		X
10	9	28	CLAY ORANGE/RED w/ SHALE LAYERS		Y
10	28	43	CLAY RED w/ SHALE LAYERS		X
10	43	86	SHALE TAN MED FRACTURED		X
10	86	111	CLAY RED/ORANGE		Y
10	111	146	SHALE TAN BROKEN w/ SOME CLAY SILT		X
10	146	151	CLAY TAN HARD		X
			LOST - 5' OF HOLE (CAVING)		

Completed Depth 145' (Measurable)

Date: Started 8-17-07 Completed 8-20-07

14. DRILLER'S CERTIFICATION

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

Company Name FOGLE RAMP Firm No. 537

Principal Driller TODD A. LIVELEY Date 8-20-07

Driller or Operator II LEO GAY Date 8-20-07

Operator I TODD A. LIVELEY Date 8-20-07

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.



SEC23 T44N R4W BENEWAH CD. 1360 MOSES MTN. RD.

PP N.T.S

POWER

PEDASTEL

35 FT

LANNING HOME

GARAGE

PARKING AREA

DRIVEWAY

224 FEET BETWEEN NORTHWEST CORNER OF HOME AND THE PRESSURE SYSTEM

PRESSURE SYSTEM ENCLOSURE

288 FEET BETWEEN WELL AND ENCLOSED PRESSURE SYSTEM.

WELL

- CONTRACTOR TO INSTALL A INDIVIDUAL WATER PRESSURE SYSTEM AND WOOD ENCLOSURE AT THE LANNING HOME SITE.
- SET A GRUNFOS 5505-13 SUBMERSIBLE PUMP AT 135 FEET.
 - INSTALL 131 LF 1-INCH GALV. DROP PIPE WITH 138 FEET OF 10/3 SUB. CABLE
 - 512 LF OF 1-1/2 INCH PE WATER SERVICE LINE FROM HOME TO WELL.
 - INSTALL 10/3 POWER ELEC. CABLE IN 1-1/4 INCH CONDUIT.
 - MINIMUM BURY DEPTH OF WATER SERVICE LINE IS 4 FEET.
 - OBSERVE TRENCH SAFETY REQUIREMENTS AS REQUIRED BY OSHA.

NOTE: HOME OWNER RESPONSIBLE FOR THE EXCAVATION OF THE WATER SERVICE LINE AND THE ELECTRICAL CONDUIT BETWEEN THE WELL HEAD AND HOME.

NOTE: TO HAVE EXISTING UTILITIES LOCATED CALL 1-800-424-5555

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES INDIAN HEALTH SERVICE SPOKANE DISTRICT OFFICE SPOKANE WA.		DRAWN BY S.FINLEY DATE 10/26/2007		SANITATION FACILITIES CONSTRUCTION		Project No. 03-2500		Sheet No. 01	
ENVIRONMENTAL HEALTH AND ENGINEERING BRANCH		APPROVED BY DATE		COEUR D'ALENE LANNING HOMESITE				Drawing File LANNING	
		Date Revision		By					
				BENEWAH DESMET					

INDIVIDUAL WATER SYSTEM DESIGN

PROJECT: A56i

RESERVATION: Coeur d' Alene

DATE: October 26, 2007

HOMEOWNER: Shirley Lanning

The following calculates total dynamic head (TDH) for various pumping rates (Q) for Individual Water Systems.
Fill in appropriate blank cells only, don't modify shaded cells.

		(Enter Data Here)		
DYNAMIC WATER LEVEL	(FT)	108		(Depth from wellhead to working water level.)
ELEVATION DIFFERENCE	(FT)	50		(Elevation between wellhead and pressure tank.)
LOW PRESSURE	(PSI)	30		
HIGH PRESSURE (PSI)	(PSI)	50		
"C" VALUE		150		(See Hazen-Williams "C" Factors for type of pipe used.)

TYPE	"C" VALUE
Plastic	150
Iron	120
Copper	130

PUMP SIZING

Minimum sized pump required to meet peak demand without supplemental supply	BATHROOMS IN HOME		
	1	1 1/2	2, 2 1/2
	7 GPM	10 GPM	14 GPM

Goulds, Jet & Sub, Pump Selection, Technical Data

MINOR PIPE FITTING LOSSES

ITEM	PIPE SIZE				
	1"	1 1/4"	1 1/2"	2"	
Gate Valve (EA)	1	0	0	0	(Enter quantity of each fitting of each pipe size.)
Check Valve (EA)	2	0	0	0	
90 Degree EL (EA)	2	0	0	0	
45 Degree EL (EA)					(Equivalent lengths are for threaded fittings and turbulent flow.)
TEE (EA)	1	0	0	0	(Sudden Contractions are from indicated pipe size to 1".)
Sudden Contractions (EA)	1	0	0	0	
EQUIVALENT FEET (FT)	36.44	0	0	0	

PIPE LENGTHS

ENTER PIPE LENGTH (FT)	PIPE SIZE				
	1"	1 1/4"	1 1/2"	2"	
	85	0	512		(Enter length of each pipe size from pump to pressure tank.)

EQUIVALENT PIPE LENGTHS

TOTAL EQUIVALENT PIPE LENGTH (FT)	PIPE SIZE			
	1"	1 1/4"	1 1/2"	2"
	121.44	0	512	0

FRICTION HEAD

PUMPING RATE (GPM)	PIPE SIZE (IN)				TOTAL (FT)
	1"	1 1/4"	1 1/2"	2"	
2	0.43	0.00	0.24	0.00	0.68
4	1.35	0.00	0.91	0.00	2.46
6	3.29	0.00	1.93	0.00	5.22
7	4.37	0.00	2.56	0.00	6.94
8	5.60	0.00	3.28	0.00	8.88
10	8.46	0.00	4.96	0.00	13.42
12	11.85	0.00	6.95	0.00	18.80
14	15.76	0.00	9.24	0.00	25.00
16	20.18	0.00	11.83	0.00	32.01

TOTAL DYNAMIC HEAD (FT)

(GPM)	Q1	
	30	50
2	227.98	274.18
4	229.76	275.96
6	232.32	278.72
7	234.74	280.44
8	236.18	282.38
10	240.72	286.92
12	246.10	292.30
14	252.30	298.50
16	259.31	305.51



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

EarthExplorer

[Home](#) [2 New System Messages \(Show\)](#)

[Login](#) [Register](#) [Feedback](#) [Help](#)

Search Criteria[Data Sets](#)[Additional Criteria](#)[Results](#)**Search Criteria Summary (Show)****Clear Criteria**

1. Enter Search Criteria

To narrow your search area: type in an address or place name, enter coordinates or click the map to define your search area, and/or choose a date range.

Address/Place

Address/Place

Path/Row

1360 Moses Mountain Road Tensed Idaho

Show

Clear

US/World Feature

Area Selected

Degree/Minute/Second ☒ Decimal ☐

1. Lat: 47° 08' 28" N, Lon: 116° 48' 22" W



Add Coordinate

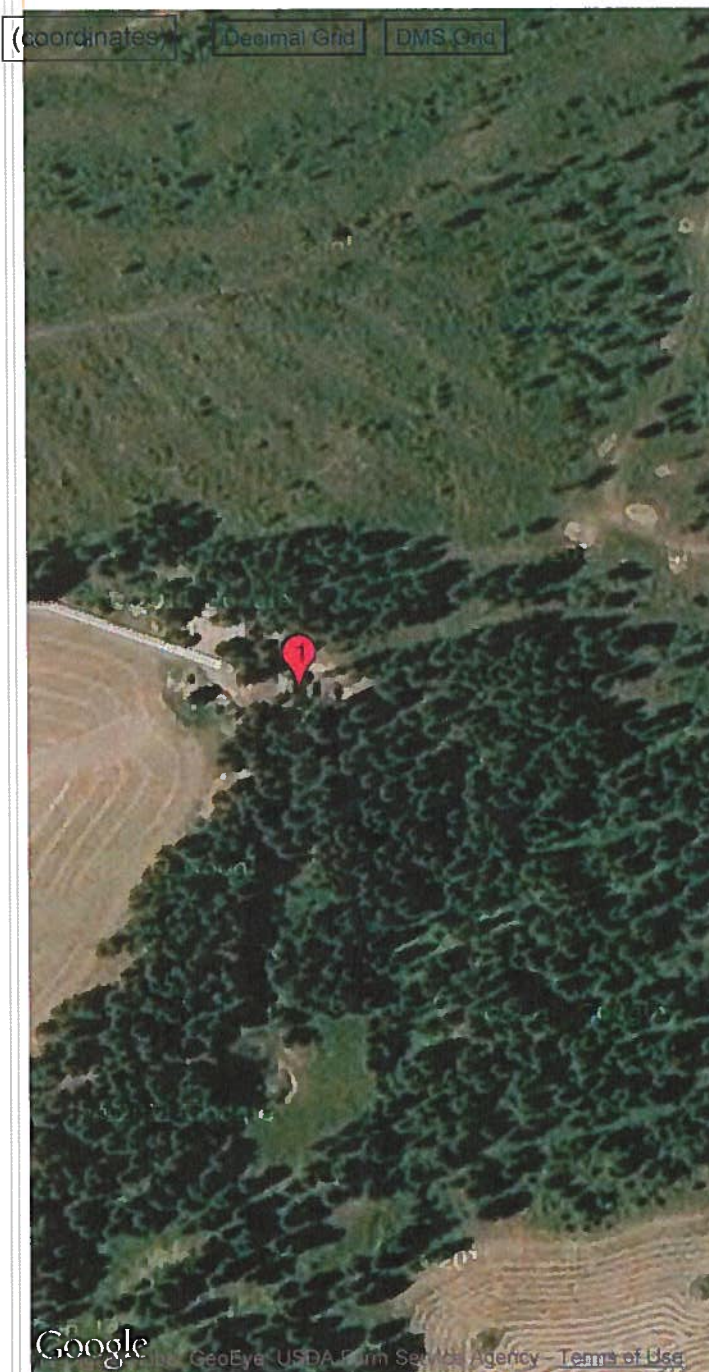
Clear Coordinates

Dates Selected

Search from: 01/01/1920 to: 12/31/2020

Search months: (all)

Number of records to return: 100

[Data Sets >](#)[Additional Criteria >](#)[Results >](#)[Clear Selection](#)[Add Map to Selection](#)**Circular Polygon Tool**

The up-to-date Google map is not for purchase or for download; it is to be used as a guide for reference and search purposes only.