SNAKE RIVER OIL+GAS

Phone Number
870-234-3080

P.O. Box 500
Magnolia, Arkansas 71754-0500

Fax Number
870-234-3839

Monday March 30, 2026
Subject: SROG Miller 1-15 Drilling Application

Attention: Mr. James Thum

Dear James,

Please find enclosed a permit application for drilling of the subject well along with accompanying data/information. Additionally, a check for $2,000 for processing.

PAID

Should you have any questions or concerns, please feel free to contact me anytime.

Truly yours,

Nate Caldwell

Idaho Department of Lands

Idaho Oil and Gas Conservation Commission

Information on Application for Permit to Drill, Deepen, or Plug Back

This form is four (4) pages, please read and complete all sections.

Additional Information

Fees: IDAPA 20.07.02.200.02

An application fee must accompany each application for permit to drill, deepen, or plug back. No service fee is required for a permit to deepen or plug back if completed within one (1) year from issuance of permit to drill a well.

Permit Denial:

Applications may be denied for the following reasons:

- Application fee was not submitted. Idaho Code § 47-316 (1)
- Application is incomplete.
- Failure to post required bonds.
- Proposed well will result in a waste of oil or gas, a violation of correlative rights, or the pollution of freshwater supplies. Idaho Code § 47-315.

Well Completion/Recompletion Report: IDAPA 20.07.02.340

Within thirty (30) days after the completion of a well drilled for oil or gas, or the recompletion of a well into a different source of supply, or where the producing interval is changed, a completion report shall be filed with the Department, on a form prescribed by the Department.

Log Submittals: Idaho Code § 47-316 (4); IDAPA 20.07.02.341

All wells shall have:

- A lithologic log from the bottom of the hole to the top, to the extent practicable. IDAPA 20.07.02.341.01.
- A bottomhole location survey log. IDAPA 20.07.02.341.02.
- A cement bond log. IDAPA 20.07.02.341.03.
- If other logs were run, including, but not limited to, resistivity, gamma-neutron log, sonic log, etc., then the owner or operator shall retain a copy regardless of results. IDAPA 20.07.02.341.04
- All logs shall be submitted to the Department in digital formats within thirty (30) days of the log being run. If logs were run in color, then the submitted copies shall also be in color. Digital formats must be Tiff and LAS 2.0 or higher. Logs submitted to the department must have a scale of one (1) or two (2) inch for correlation logs and five (5) inches for detail logs. IDAPA 20.07.02.341.05.

Please submit Application to Drill, Deepen, or Plug Back to:

Idaho Department of Lands
Oil and Gas Program
300 N. 6th Street, Suite 103
P.O. Box 83720
Boise, Idaho 83720-0050

Idaho Department of Lands
Idaho Oil and Gas Conservation Commission

Form for Application For Permit to Drill, Deepen, or Plug Back

APPLICATION TO: (●) Drill ($2,000) ( ) Deepen ($500) ( ) Plug Back ($500)

Operator Information

Name of Operator: Snake River Oil & Gas Date: 2/4/26

Address: 117 East Calhoun St, PO Box 500

City: Magnolia State: AR Zip Code: 71753

Contact Name: Nate Caldwell Telephone: 870-904-7305

Email Address caldwell.nathan@weiser-brown.com

Emergency Contact Name/Phone: Nate Caldwell / 870-904-7305

Description Of Well And Lease

Name of Lease: Miller Well Number: 1-15

Elevation (ground): 2200

Well Location: Section: 15 Township: 8N Range: 5W (or block and survey) _____

(Give footage from Section lines): 1201' FEL & 1181' FSL

Latitude: N44*01'43.324" Longitude: W116*55'05.034" (Dec Degrees NAD83 minimum requirement)

Datum: ■WGS84 ☐NAD83 ☐NAD27 ☐Other: _____

Field and Reservoir (if wildcat, so state): Harmon County: Payette

Distance, in miles, and direction from nearest town or post office: 1 mile north of Fruitland, ID

Nearest distance from proposed location to property or lease line: 1427' (lease line) feet

Nearest producing well: 3710' feet

Type of Test/Unit: ☐Gas / 640 acre unit ☐Oil / 40 acre unit ■Other/Docket No. CC-2025-OGR-01-005

Is Operator requesting a well location exception? ☐Yes ■No

Confidential Well Status Request? ■Yes ☐No

Distance from proposed location to nearest drilling, completed or applied for on the same lease: N/A feet

Proposed depth: 5,000' Approx. date work will start: 5/1/26

Number of acres in lease(s): 400

Number of wells on lease, including this well, completed in or drilling to this reservoir: 1

If lease purchased with one or more wells drilled, complete the following information:

Purchased from (Name): N/A

Address of above: N/A

Bond Type and Number: N/A

Surface Rights Owner (At proposed surface location):

Name Mary Ann Miller Phone: [redacted]

Does the drilling unit contain state leases? If yes, check all that apply:

- ■ IDL - Idaho Department of Lands
- ☐ IDFG - Idaho Department of Fish and Game
- ■ IDT - Idaho Department of Transportation
- ☐ Navigable Waterways - State owned beds and banks of navigable rivers and lakes
- ☐ Other - Other state agencies not named above. Includes, but is not limited to: Idaho Department of Parks and Recreation, Idaho Military Division, etc.

Does this application include the following actions? If yes, check all that apply:

☐ Well Treatment ☐ Pit Construction ■ Directional or Horizontal Drilling

Applications that include well treatments, pit construction, and directional drilling must provide attachments with the information required from the respective sections of IDAPA 20.07.02 and Idaho Code § 47-3. If these activities are not included in this application, then a separate application and approval will be required prior to commencement of any of these activities.

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)

Applicant(s) should be familiar with and adhere to IDAPA 20.07.02, Rules Governing Conservation of Oil and Natural Gas in the State of Idaho, and Idaho Code § 47-3, Oil and Gas Wells--Geologic Information and Prevention of Waste.

Please check the boxes below to indicate that you have supplied the required information.

Maps Required

- Attach a survey plat or map, preferably on a scale of one (1) inch equals one thousand (1,000) feet, prepared by a licensed surveyor or engineer. All maps and plats should include a bar scale for reference.
- The plat must show:
  - ☐ Distance of the proposed surface location to the nearest occupied structure and the nearest highway.
  - ☐ The proposed well location. For directional wells, both surface and bottom hole locations should be marked.
  - ☐ The location of the well with reference to the nearest lines of an established public survey.

☐ All leased tracts held by the applicant within the drilling unit. Distances of the proposed well from the two nearest unit boundary lines, if applicable, and from the nearest oil or gas wells on the same unit. completed in or being drilled to the same reservoir. If the well location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

☐ The location of the nearest structure with a water supply, or the nearest water well as shown on the IDWR registry of water rights or well log database. The location of the nearest canal, ditch, or ordinary high-water mark of surface waters (Idaho Code §47-319(1)).

Other Required Information

☐ Estimated depth to the top of the important geologic markers.

☐ Estimated depth to the top of the target formations.

☐ Information on the type of tools to be used.

☐ Proposed logging program.

☐ Proposed casing program, including size and weight of casing and the depth at which each casing type is to be set.

☐ Type and amount of cement to be used, and the intervals cemented.

☐ Information on the drilling plan (drill pad and rig set up, etc).

☐ Schematic diagram of the BOP and well head assemblies, including the minimum size and pressure rating of all components of the BOP and well head assemblies.

☐ Best management practices to be used for erosion and sediment control.

☐ Plan for interim reclamation of the drill site after the well is completed, and a plan for final reclamation of the drill site following plugging and abandonment of the well. These plans must contain the information needed to implement reclamation as described in IDAPA 20.07.02 subsection 310.16 and section 510.

CERTIFICATION: I, Nate Caldwell, the undersigned, state that I am the Operations Manager of Snake River Oil & Gas (company) and that I am authorized by said company to make this application, and that this application was prepared under my supervision and direction, and that the facts stated herein are true, correct and complete to the best of my knowledge.

Date: 3/30/26 Signature: _____

Notice: Before submitting this form, be sure that you have given all information requested.

IDL Office Use Only:

Approval Date: _____ Approved by: _____
Signature and Title

US Well Number: _____ Operator Number (if known): _____

Snake River Oil and Gas, LLC

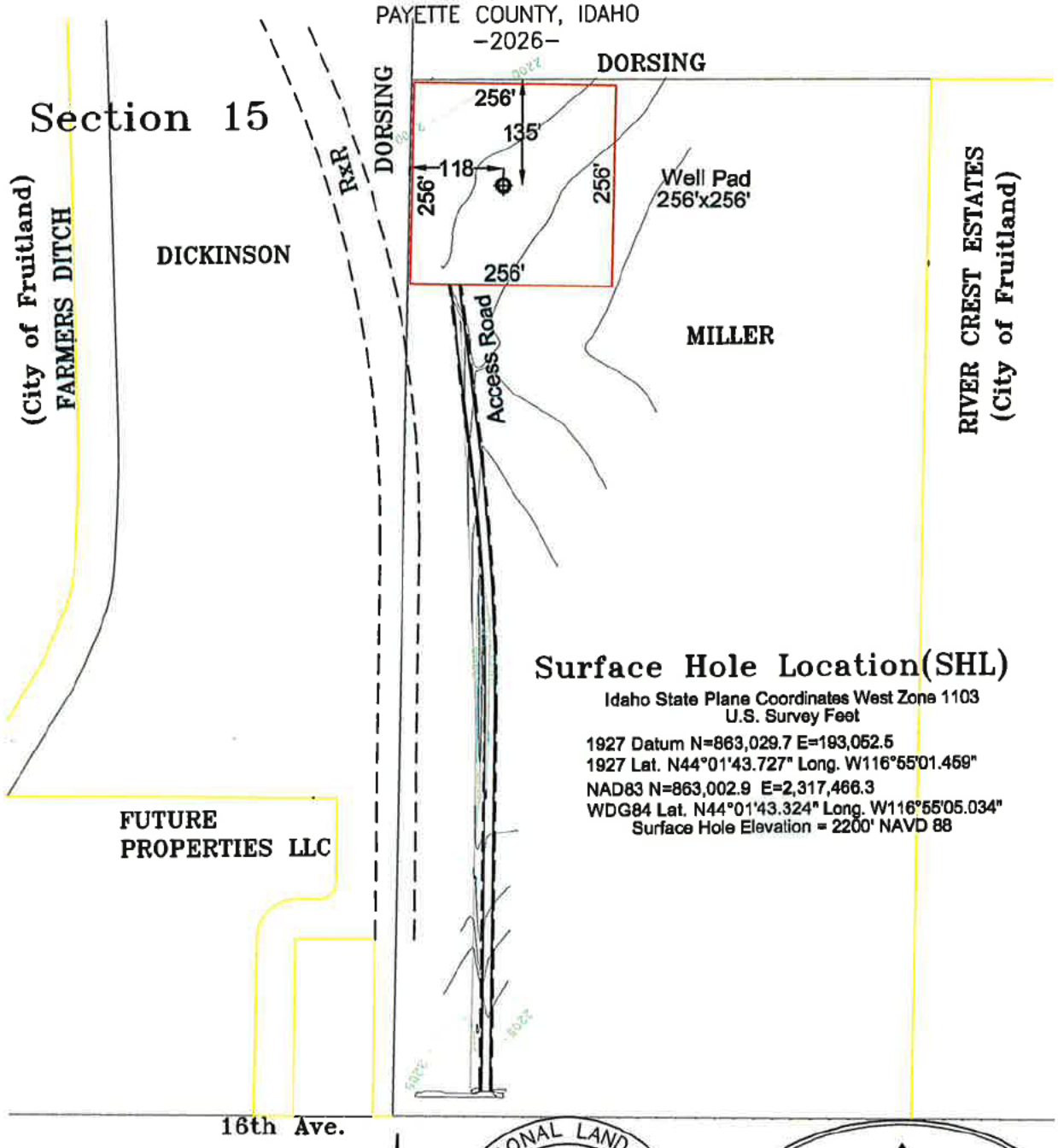
IDL Permit Supplement
Miller 1-15
Payette County, ID
February 4, 2026

Table of Contents

EXHIBIT MAP OF
Miller 1-15

LOCATED IN

A PORTION OF THE W1/2 OF THE SE1/4 OF THE SE1/4 OF SECTION 15,
TOWNSHIP 8 NORTH, RANGE 5 WEST, B.M.,
PAYETTE COUNTY, IDAHO
-2026-



Surface Hole Location(SHL)

Idaho State Plane Coordinates West Zone 1103
U.S. Survey Feet

1927 Datum N=863,029.7 E=193,052.5
1927 Lat. N44°01'43.727" Long. W116°55'01.459"
NAD83 N=863,002.9 E=2,317,466.3
WDG84 Lat. N44°01'43.324" Long. W116°55'05.034"
Surface Hole Elevation = 2200' NAVD 88

SCALE: 1"=200'

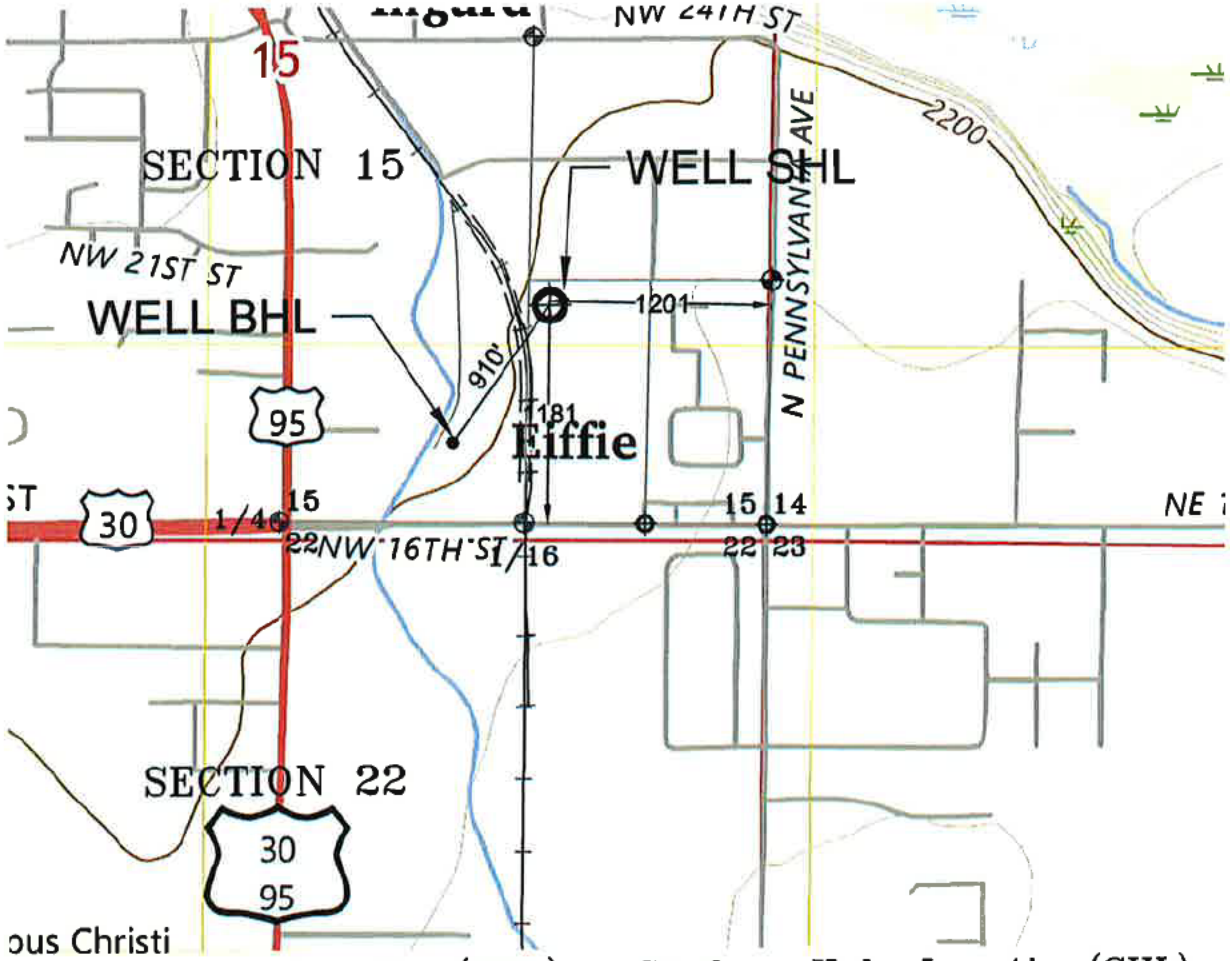
PROFESSIONAL LAND SURVEYOR
REGISTERED
Craig R. McCullough
6890
STATE OF IDAHO
CRAIG R. McCULLOUGH

4 Rivers Surveying Inc.

1310 Shady Lane, EMMETT IDAHO
PHONE: 855-477-6901

UNIT TOPOGRAPHY MAP OF
Miller 1-15

LOCATED IN
A PORTION OF THE W1/2 OF THE SE1/4 OF THE SE1/4 OF SECTION 15,
TOWNSHIP 8 NORTH, RANGE 5 WEST, B.M.,
PAYETTE COUNTY, IDAHO
-2026-



Bottom Hole Location(BHL)

Idaho State Plane Coordinates West Zone 1103
U.S. Survey Feet

1927 Datum N=862,289 E=192,524
1927 Lat. N44°01'36.338" Long. W116°55'08.545"
NAD83 N=862,262 E=2,316,938
WDG84 Lat. N44°01'35.935" Long. W116°55'12.120"
Bottom Hole Depth = 5000'

Surface Hole Location(SHL)

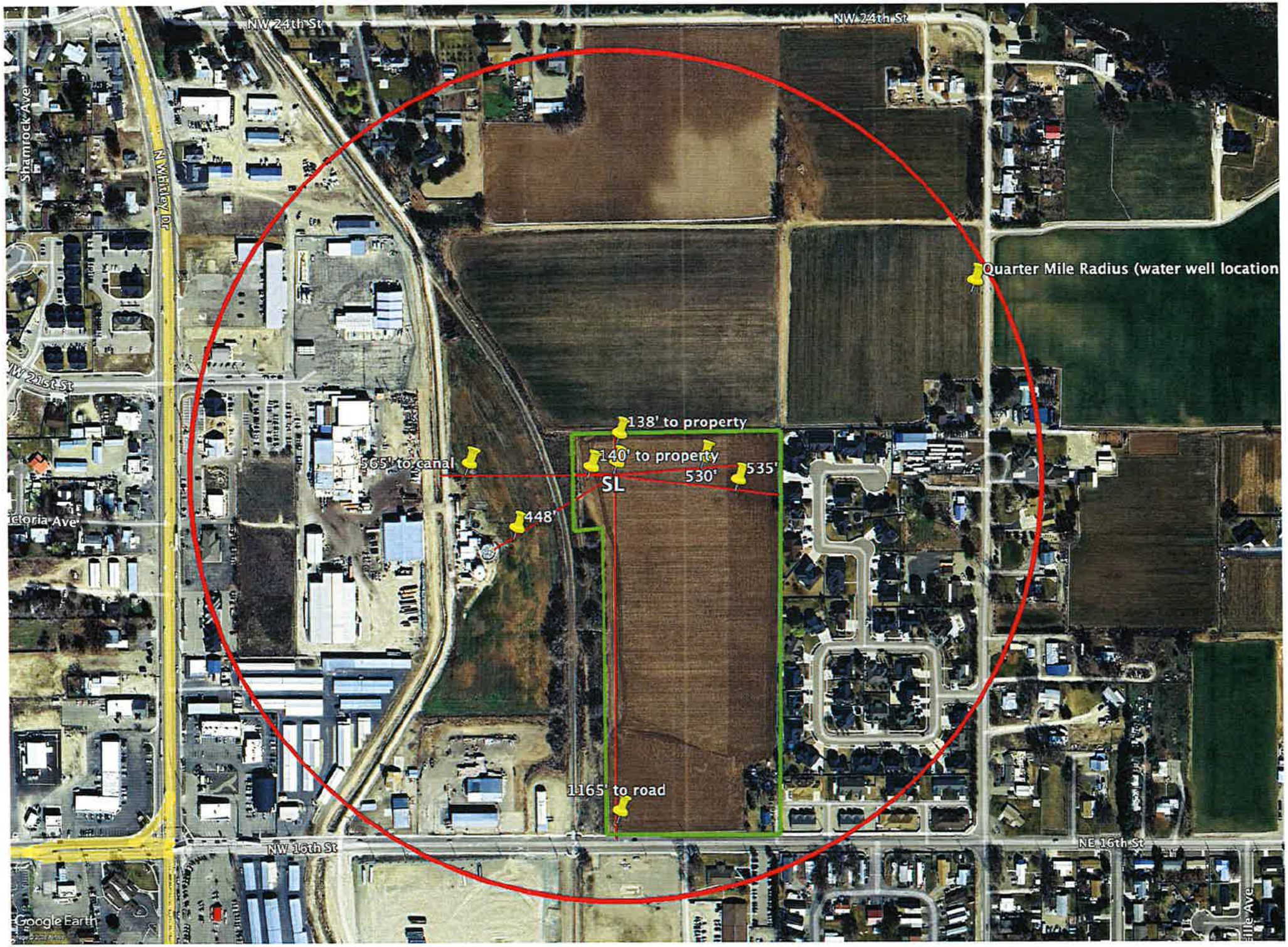
Idaho State Plane Coordinates West Zone 1103
U.S. Survey Feet

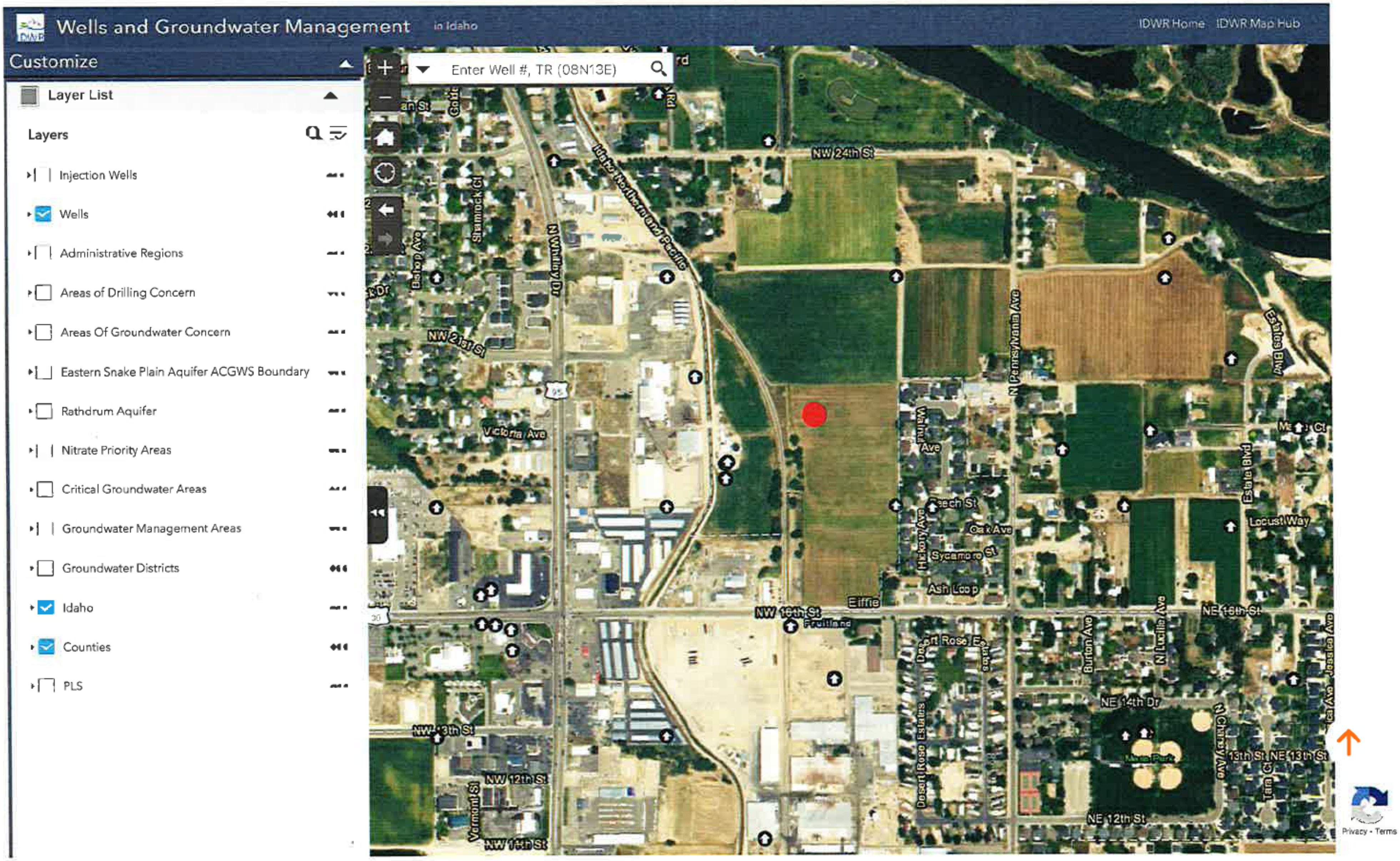
1927 Datum N=863,029.7 E=193,052.5
1927 Lat. N44°01'43.727" Long. W116°55'01.459"
NAD83 N=863,002.9 E=2,317,466.3
WDG84 Lat. N44°01'43.324" Long. W116°55'05.034"
Surface Hole Elevation = 2203' NAVD 88

SCALE: 1"=1000'

PROFESSIONAL LAND SURVEYOR
REGISTERED
Craig R. McCullough
6904
STATE OF IDAHO
CRAIG R. McCULLOUGH

4 Rivers Surveying Inc.
1310 Shady Lane, EMMETT IDAHO
PHONE: 855-477-6901


NW 24th St
NW 24th St
Shamrock Ave
N Whitley Dr
NW 21st St
Victoria Ave
Quarter Mile Radius (water well location
138' to property
140' to property
565' to canal
SL
530'
535'
448'
1165' to road
NW 16th St
NE 16th St
Google Earth


Wells and Groundwater Management
in Idaho
IDWR Home
IDWR Map Hub
Customize
Layer List
Layers
Injection Wells
Wells
Administrative Regions
Areas of Drilling Concern
Areas Of Groundwater Concern
Eastern Snake Plain Aquifer ACGWS Boundary
Rathdrum Aquifer
Nitrate Priority Areas
Critical Groundwater Areas
Groundwater Management Areas
Groundwater Districts
Idaho
Counties
PLS
Enter Well #, TR (08N13E)
NW 24th St
NW 21st St
N Whitley Dr
Idaho Northern and Pacific
Bishop Ave
Shamrock Ct
Victoria Ave
N Pennsylvania Ave
Walnut Ave
Beech St
Oak Ave
Sycamore St
Ash Loop
Hickory Ave
Estates Blvd
Estate Blvd
Locust Way
Elffie
NW 16th St
NE 16th St
Fruitland
Desert Rose Estates
Burton Ave
N Lucille Ave
NE 14th Dr
N Chrissy Ave
13th St
NE 13th St
NE 12th St
NW 13th St
NW 12th St
NW 11th St
Vermont St
Privacy - Terms

Geologic Prognosis

2.1 Prospect

The Miller #1-15 well is designed to test Sands "A" and "B" as primary objectives. It is estimated that the top of target Sand "A" will be encountered at +/- 3504' Measured Depth (MD) in the Proposed Well (3504' MD / 3328' TVD / -1117' Subsea Depth). The top of target Sand "B" is expected to be encountered at 3619' MD in the Proposed Well (3619' MD / 3444' TVD / -1233'subsea.). The nearby Fallon #1-10 well is an existing well which produces from Sand "B" and has apparent gas saturation in Sand "A".

Below Sand B there are multiple additional sands expected to be encountered which are secondary objectives. The sands are expected to be of varying thickness and separated by claystones and siltstones.

A Basalt sill is expected to be encountered at approximately 4780' MD / 4605' TVD / -2394' subsea.

Proposed Well

The well is to be drilled as a directional well to the southwest to a depth of 5000' MD/ 4825' TVD. The well plan will be an "S" Curve. The surface and bottom hole locations will be in Section 15-Township 8N -Range 5W (Payette County, Idaho).

2.2 Estimated Geological Formation Tops

MILLER #1-15 EXPECTED OCCURRENCE OF GEOLOGIC MARKERS	EXPECTED DEPTH(ft) MD	EXPECTED DEPTH(ft) TVD	EXPECTED DEPTH(ft) SUBSEA
Claystone - +/- 3500' of claystone expected with occ. thin Sandstones and siltstones of Glenns Ferry/ Chalk Hills Fms. Undiff. From 200' to 3500' MD	200'	200'	200'
Sand "A"	3504'	3328'	-1117'
Sand "B"	3619'	3444'	-1233'
Multiple Sands alternating with Claystones are expected below Sand B to Total Depth Drilled			
Basalt	4780'	4605'	-2394'
Proposed Total Depth	5000'	4825'	-2614'
Payette Fm	Not Reached	Not Reached	Not Reached

Leasing Exhibit

The 400-acre drilling unit was spaced under Final Order for Docket No. CC-2025-OGR-01-002, and integrated under Final Order for Docket No. CC-2025-OGR-01-005.

Site Preparation

Erosion Control

Erosion Control Appropriate grading, mechanical stabilization (rip-rap or hay bales), and silt fencing will be used to prevent soil erosion. All cut and fill slopes are designed with a minimum 2:1 grade to minimize runoff erosion and ensure mechanical stability.

Sump

The location will have a 2' deep trench on downhill sides where the spoil from that trench will be used to construct an earthen berm around the location. The trench will act as a sump to collect rain and wash water for controlled release or appropriate disposal as required.

Well Construction

Well Interval	Bit/Hole	CSG Size	Grade & Weight	CSG Depth	TOC	CMT Type/Volume
Conductor	20-24"	16-20"	H-40 65ppf	90-120'	Surface	200 SKS A/C
Surface	14.75"	11.75"	K-55 47ppf	600' +/-	Surface	Tail - 510 sks Premium Class G
Additives: Accelerators & Fluid loss additives to help with seepage and make it gas tight						
Intermediate	10.625"	8.625"	K-55 32ppf	2,000' +/-	Surface	Lead - 250 sks B4 Class G
						Tail - 210 sks Premium Class G
Additives: Accelerators & Fluid loss additives to help with seepage and make it gas tight						
Production	7.875"	5-1/2"	K-55 15.5ppf	5,000'	Surface	2 Stage CMT Job
Stage #1: (5000' TD to 3,300' MD)						Tail- 300 sks B4 Class G 14.4 PPG
Stage #2: (3,300' MD to Surface)						Lead- 360 sks B4 Class G 13.0 PPG
Additives: Flyash, dispersant, accelerators, & Fluid loss additives to help with seepage and make it gas tight						

Surface Casing Detail

-11- 3/4" float shoe
-1 full length joint 11-3/4" 47# K-55 STC for shoe track - centralized
-11-3/4" float collar
-11-3/4" 47# K-55 STC Casing jts to surface
-Cement basket for 11-3/4" casing approx. 80' below surface.
-Centralization - (centralization placement TBD).

Intermediate Casing Detail

-8-5/8" float shoe
-1 full length joint 9 5/8" 32# K-55 STC for shoe track - centralized
-8-5/8" float collar
-8-5/8" 32# K-55 STC Casing jts to surface
-Cement basket for 8-5/8" casing approx. 80' below surface.
-Centralization - (centralization placement TBD).

Production Casing Detail

-5 ½" float shoe
-2 full length jts 5 ½" 15.5# K-55 LTC for shoe track – centralized
-5 ½" float collar
-5 ½ 15.5# K-55 LTC csg with (centralization placement TBD).

The Surface, Intermediate, and Production Casing weights, grades, & connections will be as shown here, or higher if stronger material is more readily available. This is meant to show the minimum specs that we will utilize for the well. We want to retain the right to utilize a stronger grade, weight, or connection if that is what we decide upon receiving all casing bids from vendors.

Cementing Program

Conductor: 200 sks Class A or C – surface to 100-120'

Surface Casing cement job:

WELL INFORMATION				
SURFACE CASING	11 3/4		Set @ 600 ft	
HOLE SIZE	14 3/4		Set @ TD	
FLUID NAME	DENSITY (LB/GAL)	VOLUME (BBL)	EXCESS (%)	TOP OF FLUID (FT)
FW SPACER	8.33	20	0%	0
TAIL SLURRY	15.8	104.3	100%	0
DISPLACEMENT	8.33	61	0%	0
TAIL SLURRY	510 SACKS	15.8 PPG	1.15 CU/FT/SK	4.99 GAL/SK
PREMIUM (CLASS G)				

PUMP SCHEDULE		
FLUID NAME	PUMP RATE (BBLS/MIN)	ESTIMATED TIME (HH:MM)
FW SPACER	6	0:10
TAIL SLURRY	6	0:20
DISPLACEMENT	6	0:10
TOTAL ESTIMATED TIME NEEDED (HH:MM)		0:40

Intermediate Casing job:

WELL INFORMATION				
INTERMEDIATE CASING	8 5/8		Set @ 2000 ft	
PREVIOUS CASING	11 3/4		Set @ 600 ft	
HOLE SIZE	10 5/8		Set @ TD	
FLUID NAME	DENSITY (LB/GAL)	VOLUME (BBL)	EXCESS (%)	TOP OF FLUID (FT)
FW SPACER	8.33	20	0%	0
LEAD SLURRY	12.5	96.2	100%	0
TAIL SLURRY	15.8	42.9	100%	1500
DISPLACEMENT	8.33	114	0%	0
LEAD SLURRY	250 SACKS	12.5 PPG	2.16 CU/FT/SK	11.19 GAL/SK
B4-VALUE G				
10% B4-201				
5% B4-402				
0.5% B4-202				
5 LBS PER SACK B4-707				
5 LBS PER SACK B4-305				
TAIL SLURRY	210 SACKS	15.8 PPG	1.15 CU/FT/SK	4.99 GAL/SK
PREMIUM (CLASS G)				
PUMP SCHEDULE				
FLUID NAME	PUMP RATE (BBLS/MIN)		ESTIMATED TIME (HH:MM)	
FW SPACER	6		0:10	
LEAD SLURRY	6		0:20	
TAIL SLURRY	6		0:10	
DISPLACEMENT	6		0:20	
TOTAL ESTIMATED TIME NEEDED (HH:MM)			1:00	

Production Casing 2 stage CMT job:

WELL INFORMATION		
PRODUCTION CASING	5 1/2	Set @ 5000 ft
DV TOOL		Set @ 3300 ft
PREVIOUS CASING	8 5/8	Set @ 2000 ft
HOLE SIZE	7 7/8	Set @ TD

1ST STAGE				
FLUID NAME	DENSITY (LB/GAL)	VOLUME (BBL)	EXCESS (%)	TOP OF FLUID (FT)
WEIGHTED SPACER	10.00	40	0%	0
TAIL SLURRY	14.4	65.6	20%	3300
DISPLACEMENT	8.33	197	0%	0
1ST TAIL SLURRY	300 SACKS	14.4 PPG	1.23 CU/FT/SK	5.35 GAL/SK
B4-ECO G				
0.003 GALS PER SACK B4-713				
4% B4-705				
0.35% B4-202				
0.8% B4-12				
0.05% B4-720				
0.2% B4-714				
0.3% B4-109				

PUMP SCHEDULE		
FLUID NAME	PUMP RATE (BBLS/MIN)	ESTIMATED TIME (HH:MM)
WEIGHTED SPACER	6	0:10
TAIL SLURRY	6	0:10
DISPLACEMENT	6	0:40
TOTAL ESTIMATED TIME NEEDED (HH:MM)		1:00

2ND STAGE				
FLUID NAME	DENSITY (LB/GAL)	VOLUME (BBL)	EXCESS (%)	TOP OF FLUID (FT)
FW SPACER	8.33	40	0%	0
TAIL SLURRY	13.0	108.4	20%	0
DISPLACEMENT	8.33	130	0%	0
2ND LEAD SLURRY	360 SACKS	13.0 PPG	1.69 CU/FT/SK	8.63 GAL/SK
B4-ECO G				
0.003 GALS PER SACK B4-713				
5% B4-402				
6% B4-201				
0.6% B4-12				
0.2% B4-202				
1% B4-714				
0.2% B4-109				

PUMP SCHEDULE		
FLUID NAME	PUMP RATE (BBLS/MIN)	ESTIMATED TIME (HH:MM)
FW SPACER	6	0:10
TAIL SLURRY	6	0:20
DISPLACEMENT	6	0:30
TOTAL ESTIMATED TIME NEEDED (HH:MM)		1:00

Surface Casing: 11-3/4" (Excess 100%)

Stage	Volume	Yield	Density	Description
Spacer	20 bbls	N/A	8.34 ppg	20 bbls FW
Tail Cement	104.3 bbls	1.15 ft3/sk	15.8 ppg	510 sks Premium Class G
Displacement	61 bbls	N/A	9-10 ppg	Drilling fluids or Water
T/O CMT	115 ft3	1.15 ft3/sk	15.8 ppg	100 sks Class G ***if required***

Depth: 600' MD Hole Size: 14 ¾" Mud weight: 8.7-10 ppg

Intermediate Casing: 8-5/8" (Excess 100%)

Stage	Volume	Yield	Density	Description
Spacer	20 bbls	N/A	8.34 ppg	20 bbls FW
Lead Cement	96.2 bbls	2.16 ft3/sk	12.5 ppg	250 sks B4 Class G
Tail Cement	42.9 bbls	1.15 ft3/sk	15.8 ppg	210 sks Premium Class G
Displacement	114 bbls	N/A	9-10 ppg	Drilling fluids or Water
T/O CMT	115 ft3	1.15 ft3/sk	15.8 ppg	100 sks Class G ***if required***

Depth: 2,000' +/- MD Hole Size: 10-5/8" Mud weight: 10-11 ppg

Production Casing 5-1/2" (Excess 20%) - will be a 2 stage cement job to bring CMT back to surface and protect production interval and enhance cement isolation.

DV tool estimated depth to be at 3,300' but we will adjust depth accordingly to be able to place inflatable casing packer in a shale or a gauge section of the hole and based upon electric logging results.

Stage #1 – from TD to DV tool depth:

Stage	Volume	Yield	Density	Description
Spacer	40 bbls	N/A	10 ppg	Weighted spacer
"Tail" Cement	65.6 bbls	1.23 ft3/sk	14.4 ppg	300 sks B4 Class G
Displacement	197 bbls	N/A	8.5 ppg	FW w/ 3% KCL substitute

Stage #2 – from DV tool depth to surface:

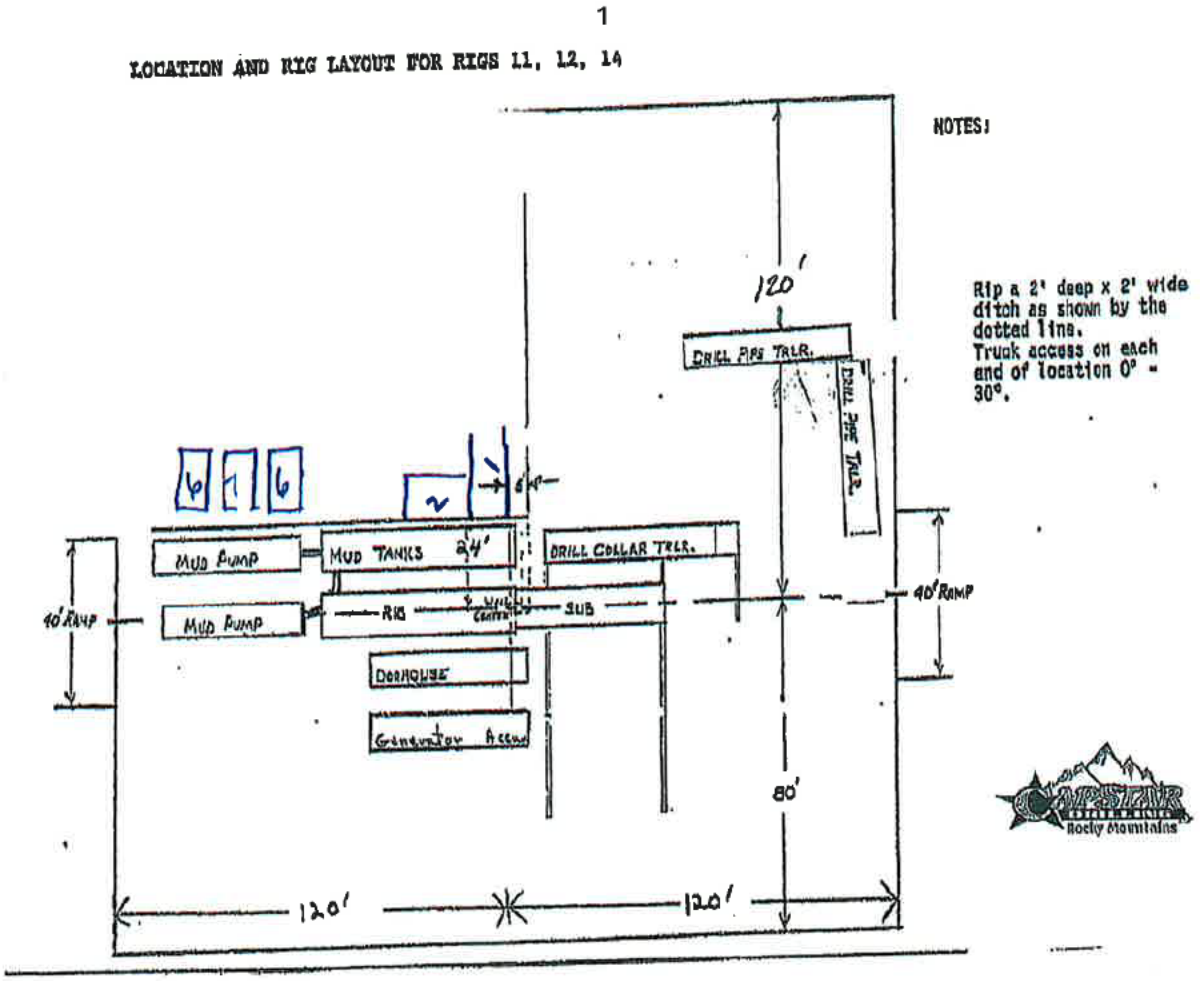
Stage	Volume	Yield	Density	Description
Spacer	40 bbls	N/A	8.33 ppg	Weighted spacer
"Tail" Cement	108.4 bbls	1.69 ft3/sk	13.0 ppg	360 sks B4 Class G
Displacement	130 bbls	N/A	8.50 ppg	FW w/ 3% KCL substitute
T/O CMT	115 ft3	1.15 ft3/sk	15.8 ppg	100 sks Class G ***if required***

Depth: 5,000' MD Hole Size: 7-7/8" Mud weight: 10.5-11.5 ppg

Rig Location Plat

See Capstar Rig #312 Location Diagram.

Rig Location Plat



Drill String Configuration/Directional Drilling plan

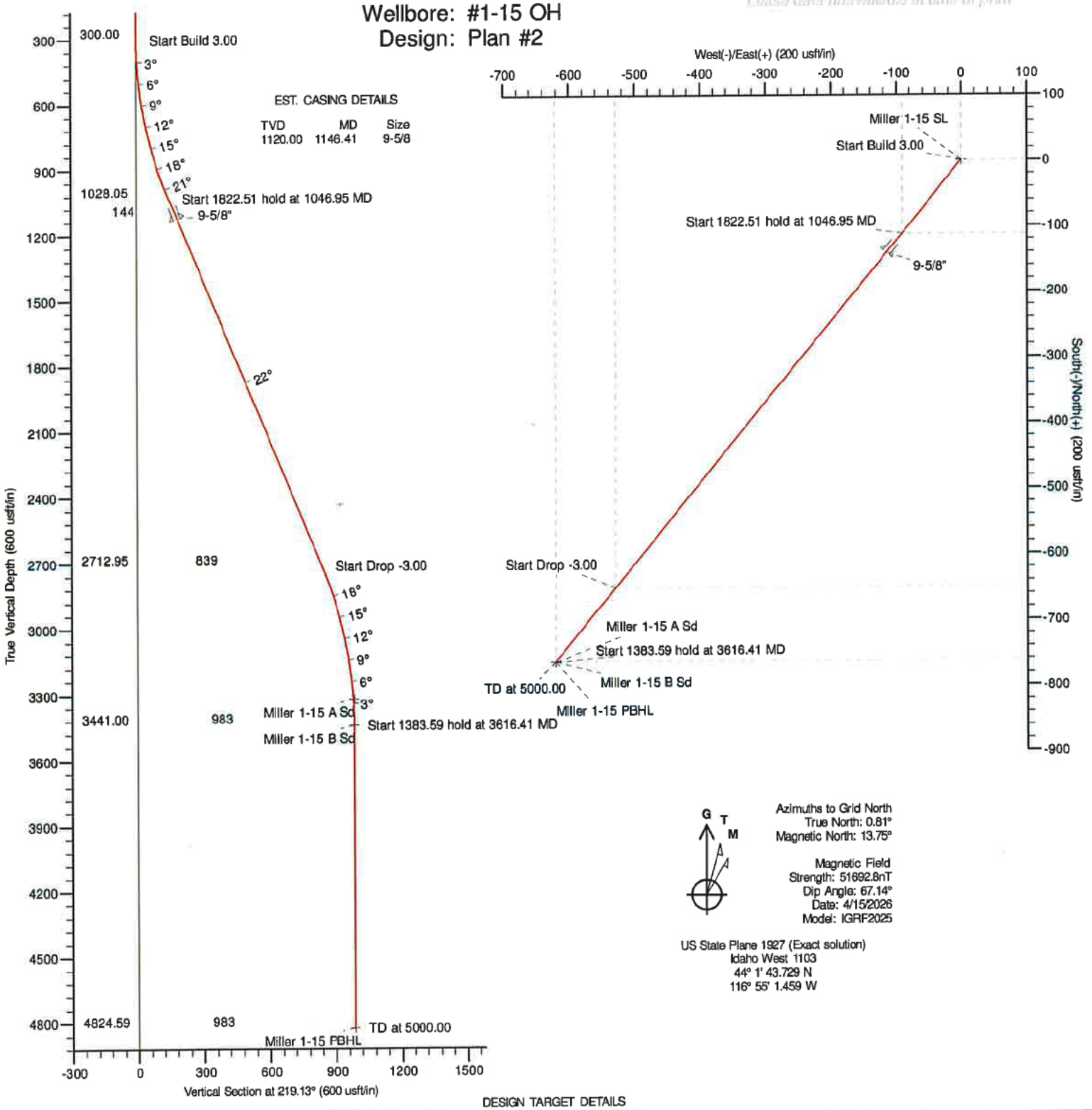
-See Native Navigation Directional drilling plan
-See Drill string configuration

SNAKE RIVER OIL+GAS

Project: Payette County, ID W'27
Area:
Site: Miller 1-15
Well: #1-15
Wellbore: #1-15 OH
Design: Plan #2

TITAN Directional Drilling

Lease data unavailable at time of print



Azimuths to Grid North
True North: 0.81°
Magnetic North: 13.75°

Magnetic Field
Strength: 51692.8nT
Dip Angle: 67.14°
Date: 4/15/2026
Model: IGRF2025

US State Plane 1927 (Exact solution)
Idaho West 1103
44° 1' 43.729 N
116° 55' 1.459 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Miller 1-15 SL	0.00	0.00	0.00	863029.70	193052.50	44° 1' 43.729 N	116° 55' 1.459 W	Point
Miller 1-15 A Sd	3321.00	-762.67	-620.47	862267.00	192432.00	44° 1' 36.111 N	116° 55' 9.803 W	Point
Miller 1-15 B Sd	3441.00	-762.67	-620.47	862267.00	192432.00	44° 1' 36.111 N	116° 55' 9.803 W	Point
Miller 1-15 PBHL	4824.59	-762.67	-620.47	862267.00	192432.00	44° 1' 36.111 N	116° 55' 9.803 W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	1046.95	22.41	219.13	1028.05	-111.87	-91.01	3.00	219.13	144.21	
4	2869.46	22.41	219.13	2712.95	-650.80	-529.46	0.00	0.00	838.97	
5	3616.41	0.00	0.00	3441.00	-762.67	-620.47	3.00	180.00	983.18	Miller 1-15 B Sd
6	5000.00	0.00	0.00	4824.59	-762.67	-620.47	0.00	0.00	983.18	Miller 1-15 PBHL

Titan Directional Drilling

Survey Report

Company:	Snake River Oil and Gas	**Local Co-ordinate Reference:**	Well #1-15
Project:	Payette County, ID W'27	**TVD Reference:**	GL+KB @ 2211.00usft (planning)
Site:	Miller 1-15	**MD Reference:**	GL+KB @ 2211.00usft (planning)
Well:	#1-15	**North Reference:**	Grid
Wellbore:	#1-15 OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	5k-Titan

Project Payette County, ID W'27

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Idaho West 1103		Using geodetic scale factor

Site Miller 1-15

Site Position:		**Northing:**	863,029.70 usft	**Latitude:**	44° 1' 43.729 N
From:	Map	**Easting:**	193,052.50 usft	**Longitude:**	116° 55' 1.459 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "		

Well #1-15

Well Position	**+N/-S**	0.00 usft	**Northing:**	863,029.70 usft	**Latitude:**	44° 1' 43.729 N
	+E/-W	0.00 usft	**Easting:**	193,052.50 usft	**Longitude:**	116° 55' 1.459 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	2,200.00 usft
Grid Convergence:		-0.81 °				

Wellbore #1-15 OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2025	4/15/2026	12.94	67.14	51,692.82059954

Design Plan #2

Audit Notes:	p2 for 5000'td				
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	219.13

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	3.00	219.13	399.95	-2.03	-1.65	2.62	3.00	3.00	0.00
500.00	6.00	219.13	499.63	-8.12	-6.60	10.46	3.00	3.00	0.00
600.00	9.00	219.13	598.77	-18.24	-14.84	23.51	3.00	3.00	0.00
700.00	12.00	219.13	697.08	-32.37	-26.34	41.74	3.00	3.00	0.00
800.00	15.00	219.13	794.31	-50.48	-41.07	65.08	3.00	3.00	0.00
900.00	18.00	219.13	890.18	-72.51	-58.99	93.48	3.00	3.00	0.00
1,000.00	21.00	219.13	984.43	-98.40	-80.05	126.85	3.00	3.00	0.00
1,046.95	22.41	219.13	1,028.05	-111.87	-91.01	144.21	3.00	3.00	0.00
1,100.00	22.41	219.13	1,077.10	-127.56	-103.77	164.44	0.00	0.00	0.00
1,146.41	22.41	219.13	1,120.00	-141.28	-114.94	182.13	0.00	0.00	0.00
9-5/8"									
1,200.00	22.41	219.13	1,169.55	-157.13	-127.83	202.56	0.00	0.00	0.00
1,300.00	22.41	219.13	1,261.99	-186.70	-151.89	240.68	0.00	0.00	0.00
1,400.00	22.41	219.13	1,354.44	-216.27	-175.95	278.80	0.00	0.00	0.00

Titan Directional Drilling

Survey Report

Company:	Snake River Oil and Gas	**Local Co-ordinate Reference:**	Well #1-15
Project:	Payette County, ID W'27	**TVD Reference:**	GL+KB @ 2211.00usft (planning)
Site:	Miller 1-15	**MD Reference:**	GL+KB @ 2211.00usft (planning)
Well:	#1-15	**North Reference:**	Grid
Wellbore:	#1-15 OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	5k-Titan

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,500.00	22.41	219.13	1,446.89	-245.84	-200.00	316.92	0.00	0.00	0.00
1,600.00	22.41	219.13	1,539.34	-275.41	-224.06	355.04	0.00	0.00	0.00
1,700.00	22.41	219.13	1,631.79	-304.98	-248.12	393.16	0.00	0.00	0.00
1,800.00	22.41	219.13	1,724.24	-334.55	-272.18	431.28	0.00	0.00	0.00
1,900.00	22.41	219.13	1,816.69	-364.12	-296.23	469.40	0.00	0.00	0.00
2,000.00	22.41	219.13	1,909.14	-393.69	-320.29	507.52	0.00	0.00	0.00
2,100.00	22.41	219.13	2,001.59	-423.26	-344.35	545.65	0.00	0.00	0.00
2,200.00	22.41	219.13	2,094.04	-452.83	-368.41	583.77	0.00	0.00	0.00
2,300.00	22.41	219.13	2,186.48	-482.41	-392.46	621.89	0.00	0.00	0.00
2,400.00	22.41	219.13	2,278.93	-511.98	-416.52	660.01	0.00	0.00	0.00
2,500.00	22.41	219.13	2,371.38	-541.55	-440.58	698.13	0.00	0.00	0.00
2,600.00	22.41	219.13	2,463.83	-571.12	-464.64	736.25	0.00	0.00	0.00
2,700.00	22.41	219.13	2,556.28	-600.69	-488.69	774.37	0.00	0.00	0.00
2,800.00	22.41	219.13	2,648.73	-630.26	-512.75	812.49	0.00	0.00	0.00
2,869.46	22.41	219.13	2,712.95	-650.80	-529.46	838.97	0.00	0.00	0.00
2,900.00	21.49	219.13	2,741.27	-659.65	-536.67	850.38	3.00	-3.00	0.00
3,000.00	18.49	219.13	2,835.23	-686.17	-558.24	884.57	3.00	-3.00	0.00
3,100.00	15.49	219.13	2,930.86	-708.84	-576.68	913.79	3.00	-3.00	0.00
3,200.00	12.49	219.13	3,027.88	-727.59	-591.94	937.97	3.00	-3.00	0.00
3,300.00	9.49	219.13	3,126.03	-742.38	-603.97	957.03	3.00	-3.00	0.00
3,400.00	6.49	219.13	3,225.05	-753.17	-612.74	970.94	3.00	-3.00	0.00
3,496.33	3.60	219.13	3,321.00	-759.74	-618.09	979.41	3.00	-3.00	0.00
A Sd									
3,500.00	3.49	219.13	3,324.66	-759.92	-618.24	979.64	3.00	-3.00	0.00
3,600.00	0.49	219.13	3,424.59	-762.61	-620.43	983.11	3.00	-3.00	0.00
3,616.41	0.00	0.00	3,441.00	-762.67	-620.47	983.18	3.00	-3.00	0.00
B Sd									
3,700.00	0.00	0.00	3,524.59	-762.67	-620.47	983.18	0.00	0.00	0.00
3,800.00	0.00	0.00	3,624.59	-762.67	-620.47	983.18	0.00	0.00	0.00
3,900.00	0.00	0.00	3,724.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,000.00	0.00	0.00	3,824.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,100.00	0.00	0.00	3,924.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,200.00	0.00	0.00	4,024.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,300.00	0.00	0.00	4,124.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,400.00	0.00	0.00	4,224.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,500.00	0.00	0.00	4,324.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,600.00	0.00	0.00	4,424.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,700.00	0.00	0.00	4,524.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,800.00	0.00	0.00	4,624.59	-762.67	-620.47	983.18	0.00	0.00	0.00
4,900.00	0.00	0.00	4,724.59	-762.67	-620.47	983.18	0.00	0.00	0.00
5,000.00	0.00	0.00	4,824.59	-762.67	-620.47	983.18	0.00	0.00	0.00

Titan Directional Drilling

Survey Report

Company:	Snake River Oil and Gas	**Local Co-ordinate Reference:**	Well #1-15
Project:	Payette County, ID W27	**TVD Reference:**	GL+KB @ 2211.00usft (planning)
Site:	Miller 1-15	**MD Reference:**	GL+KB @ 2211.00usft (planning)
Well:	#1-15	**North Reference:**	Grid
Wellbore:	#1-15 OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #2	**Database:**	5k-Titan

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,146.41	1,120.00	9-5/8"	9-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,496.33	3,321.00	A Sd		0.00	
3,616.41	3,441.00	B Sd		0.00	

Types of Tools to be Used

BHA #1 Drilling Assembly

- 14 ¾" Bit
- Bit sub w/ float
-(1) 8" Drill Collar (DC)
-14 ¾" Weld Blade Stabilizer (1/8" UG)
-(1) - 8" Drill Collar
-14 ¾" Weld Blade Stabilizer (1/8" UG)
-(3) - 6-1/4" Drill Collars
-X/O (if needed)
-(15) - 4-1/2" HWDP
-Drilling Jars
-(5) - 4-1/2" HWDP
-X/O to 4-1/2"" Drill Pipe (if needed)
To be modified as needed for Directional assembly instead if required

BHA #2 Drilling Assembly

-10 5/8" bit, with directional motor assembly
-Spiral integral blade stabilizer as needed
-8" non-mag drill collar (MWD)
-Gap Sub
-8" non-mag drill collar
-X/O (if needed)
-(3) 8" Drill Collars
-(15) - 4-1/2" Heavy weight drill pipe
-Drilling jar assembly
-(5) - 4-1/2" Heavy weight drill pipe
-4-1/2" 16.60 #/ft XH Drill pipe

BHA #3 Drilling Assembly

-7 7/8" bit, with directional motor assembly
-Spiral integral blade stabilizer as needed
-6-1/4" non-mag drill collar (MWD)
-Gap Sub
-6-1/4" non-mag drill collar
-X/O (if needed)
-(3) 6-1/4" Drill Collars
-(15) - 4-1/2" Heavy weight drill pipe
-Drilling jar assembly
-(5) - 4-1/2" Heavy weight drill pipe
-4-1/2" 16.60 #/ft XH Drill pipe

These proposed BHA's may be modified slightly as required for directional control throughout the well.

Blowout Preventer (BOP) Schematic

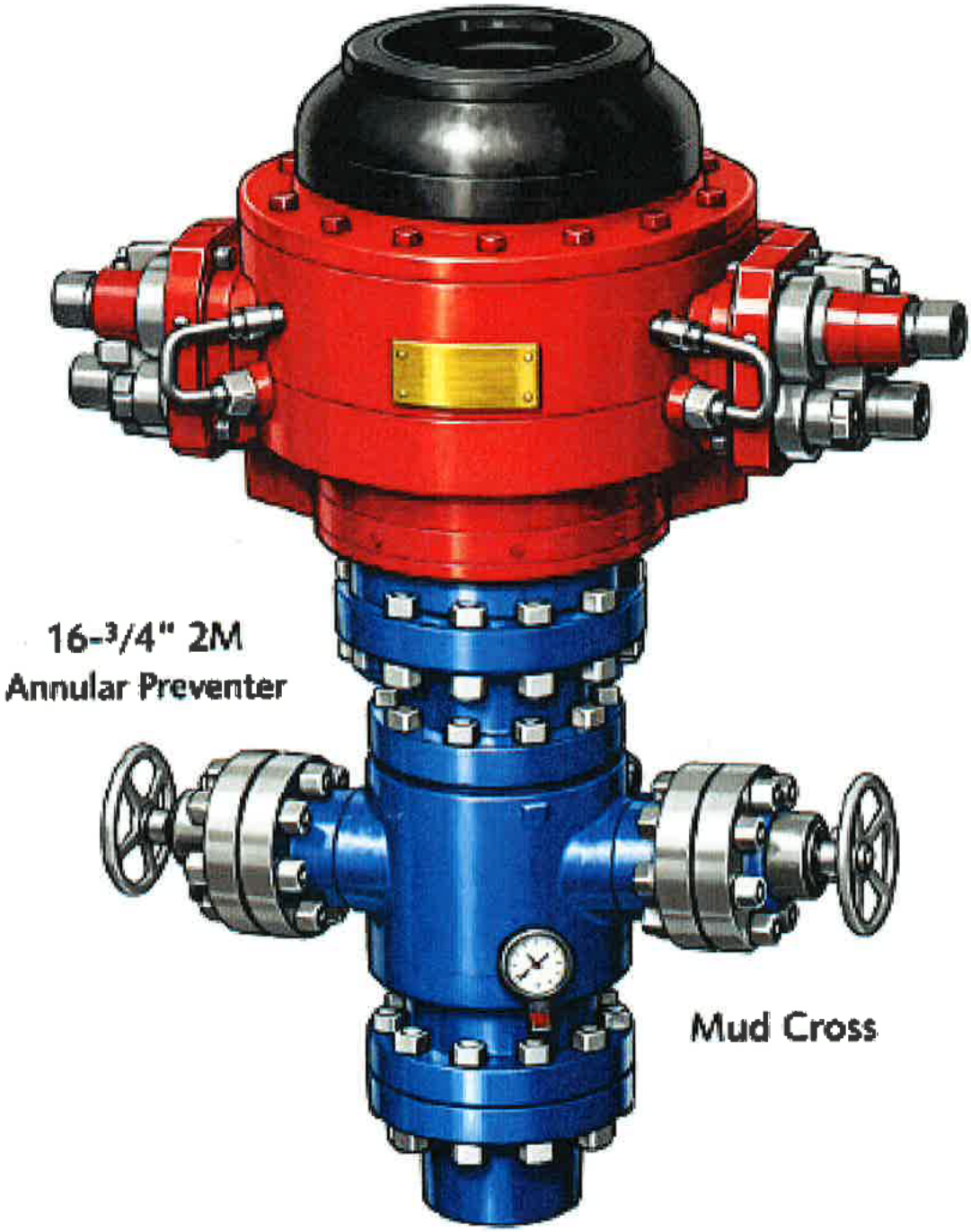
Surface hole: 16-3/4" 2M Annular Preventer.

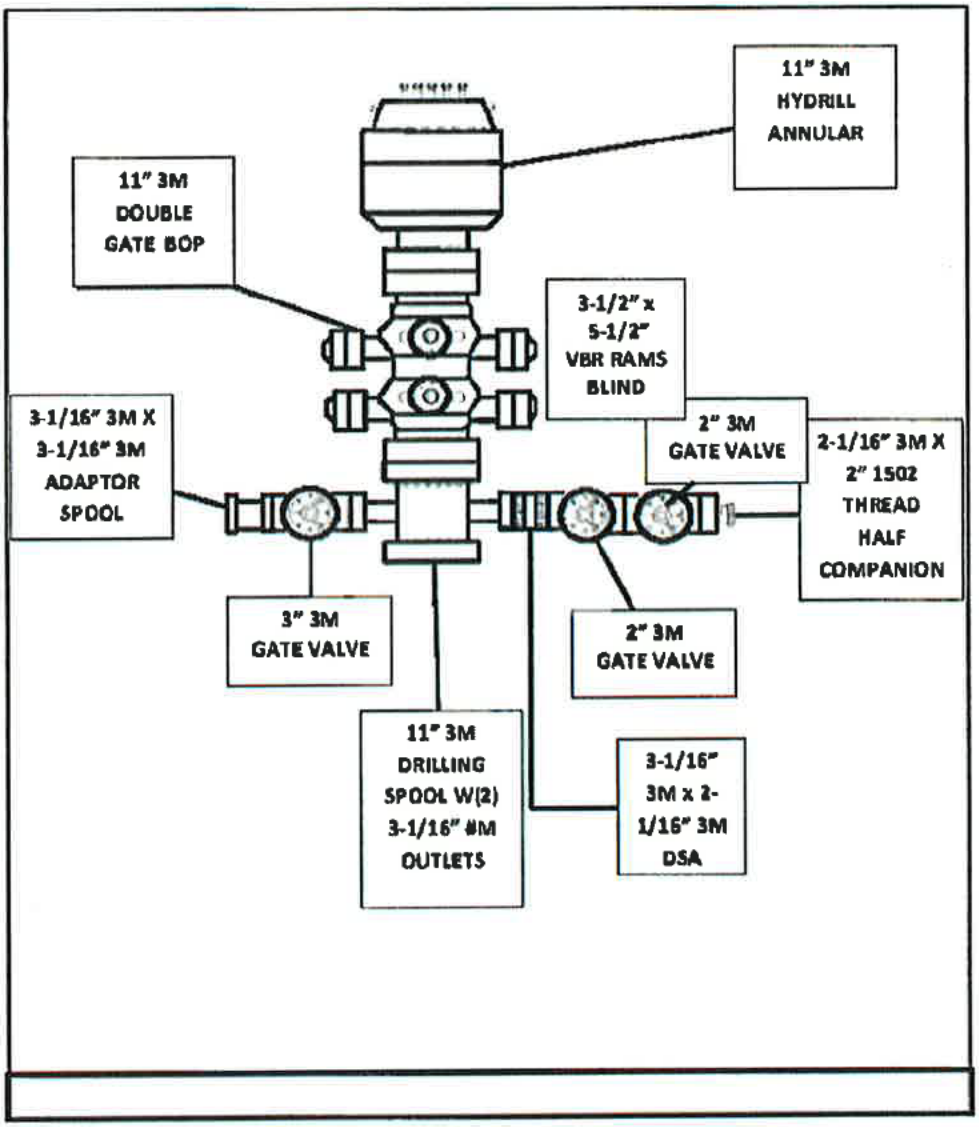
Intermediate hole: 11" 3M double ram preventer and annular. Pressure control equipment to include Top Drive Sub, stand-by full opening drill string valve (TIW), stand-by drill string inside BOP (Gray).

Production hole: 11" 3M double ram preventer and annular. Pressure control equipment to include Top Drive Sub, stand-by full opening drill string valve (TIW), stand-by drill string inside BOP (Gray).

See diagram

BOP Diagram – Surface Hole




11" 3M
HYDRILL
ANNULAR
11" 3M
DOUBLE
GATE BOP
3-1/2" x
5-1/2"
VBR RAMS
BLIND
2" 3M
GATE VALVE
2-1/16" 3M X
2" 1502
THREAD
HALF
COMPANION
3-1/16" 3M X
3-1/16" 3M
ADAPTOR
SPOOL
3" 3M
GATE VALVE
2" 3M
GATE VALVE
11" 3M
DRILLING
SPOOL W(2)
3-1/16" #M
OUTLETS
3-1/16"
3M x 2-
1/16" 3M
DSA

BOP Diagram

Drilling Plan

Drilling Plan expected to include but not limited to:

1. Drill 24" or 20" hole to 120' with water well rig and run 20" or 16" casing, set same with cement back to surface.

2. Move in drilling rig.

3. Drill 14-3/4" hole with drilling rig to 600' and run 11-3/4" casing set same with cement back to surface.

4. Drill 10-5/8" hole with drilling rig to 2,000' and run 8-5/8" casing set same with cement back to surface.

5. Drill 7-7/8" hole to 5,000' and run open hole logs. If logs look good, run 5 ½" casing to TD and cement back to surface.

6. Move out drilling rig.

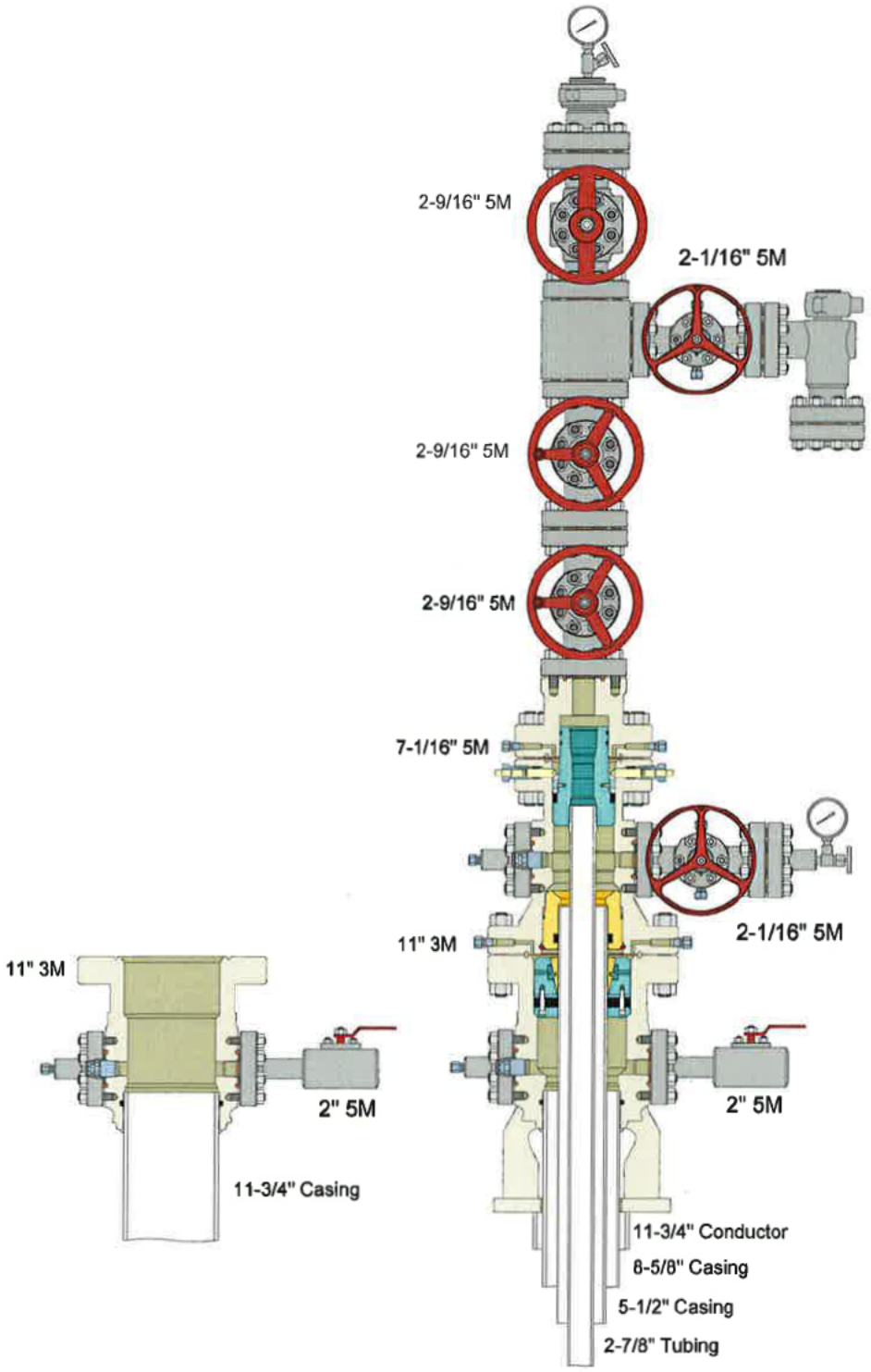
Logging Plan

1. Mud loggers will collect and analyze the lithology of drill cuttings from below the conductor casing shoe to Total Depth of the well (+/- 120' to 5000' MD).
2. Open Hole Logging Program: 600' to 2,000' MD
3. Run #1: Intermediate CSG point to surface casing shoe (+/- 2000' to +/- 600' MD) Quad Combo – Induction, Gamma Ray, Sonic and Neutron/Density Porosity Tools.
4. Open Hole Logging Program: 2,000' to 5,000' MD
5. Run #1: TD to Intermediate casing shoe (+/- 5000' to +/- 2,000' MD) Quad Combo – Induction, Gamma Ray, Sonic and Neutron/Density Porosity Tools.
6. Run #2: Optional – may run wireline SWC's or other diagnostic logs if warranted

Wellhead

See surface Wellhead System Diagram.

See surface Wellhead system with Wellhead Assembly Diagram.



VAULT PRESSURE CONTROL

Pressure Control

11-3/4" X 8-5/8" X 5-1/2" X 2-7/8" 5M CONVENTIONAL WELLHEAD ASSY, WITH T-EN TUBING HANGER AND A5PEN ADAPTER FLANGE AND 2-9/16" 5M TREE

DRAWN BY: KN	DRAWING NO. HP260028
REVIEWED BY:	Rev. NA Sht. 1 of 1
APPROVED BY:	DATE: 3/19/2026

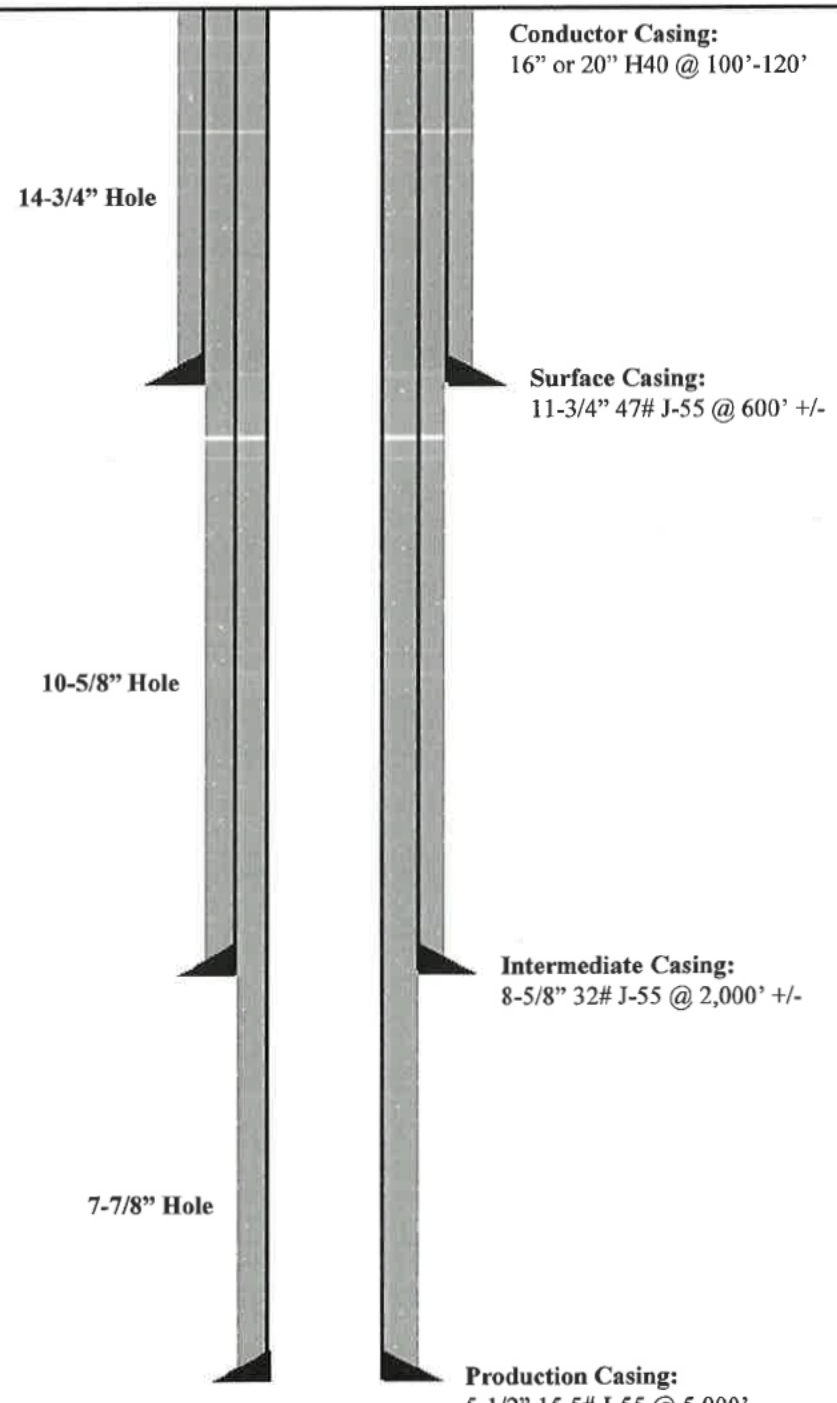
SNAKE RIVER OIL & GAS

Proposed Well Schematic
Miller 1-15
Sec 15 T8N – R5W

Payette County, ID

GLE 2200' est
RKB 2211' est

Prepared:
3/18/26 A Smith



Reclamation

Reclamation will be conducted in accordance with IDAPA 20.07.02.310.16;.510. To achieve those requirements, Snake River Oil and Gas, LLC proposes to address reclamation through a multistep process which is outlined below. As provided for in IDAPA 20.07.02.510.08, Snake River Oil and Gas, LLC may enter into a Surface Use Agreement with the landowner the terms of which will ensure that the site is left in stable,
non-eroding condition as required.

1. Interim drill site clean-up: Debris and waste materials including, but not limited to, concrete, sack bentonite and other drilling mud additives, sand, plastic, pipe, and cable associated with the drilling, re-entry, or completion operations shall be removed and disposed of properly.
2. Re-establish slope stability, surface stability, and desired topographic diversity.
    a. Reconstruct the landscape to the approximate original contour unless otherwise provided for in the Surface Use Agreement.
    b. Maximize geomorphic stability and topographic diversity of the reclaimed topography.
    c. Eliminate high walls, cut slopes, and/or topographic depressions on site, unless otherwise approved.
    d. Minimize sheet and rill erosion on the reclaimed area. Eliminate mass wasting, head cutting, large rills or gullies, down cutting in drainages, or overall slope instability on the reclaimed area.
3. Maintain the integrity of the topsoil and subsoil (where appropriate and not otherwise dictated by the Surface Use Agreement).
    a. Identify salvaged topsoil and subsoil.
    b. Segregation of salvaged soils to protect those materials from erosion, degradation, and contamination.
    c. Incorporate stored soil material into the disturbed landscape to the extent practicable.
    d. Stockpiled soils to be stored beyond one growing season shall be stabilized with appropriate vegetation.
    e. Record location and approximate volumes of stockpiles.
4. Prepare site for revegetation upon completion of well activities – plugging/abandonment.
    a. Redistribute soil materials in a manner similar to the original vertical profile.
    b. Reduce compaction to an appropriate depth (generally below the root zone) prior to redistribution of topsoil, to accommodate appropriate site-specific plant species.
    c. Provide suitable conditions to support the long-term establishment and viability of the desired plant community.
    d. Protect seed and seedling establishment (e.g. erosion control matting, mulching, hydro-seeding, surface roughening, fencing, etc.) to be determined based upon site specific conditions.

5. Establish a desired self-perpetuating native plant community based upon region specific guidance available from NRCS.

a. Establish species composition, diversity, structure, and total ground cover appropriate for the desired plant community.

b. Select genetically appropriate and locally adapted native plant materials based on the site characteristic and setting

i. Seed mixtures shall be selected based on soil type, site conditions and intended final use.

ii. Seed shall not be used later than one year after the test date that appears on the label.

iii. The bags of seed shall be clearly labeled indicating test date, weed percentage or % Pure Live Seed (PLS), viability or germination percentage, and inert material.

c. Select non-native plants only as a short term and non-persistent alternative to native plant materials. Ensure the non-natives are designed to aid in the re-establishment of native plant communities. Revegetate in accordance with best practices described below:

i. Re-spread topsoil to a minimum depth of 4 inches.

ii. Prepare a friable but firm and weed free seedbed that is not compacted by prior construction work.

iii. Appropriate firmness can be estimated when a person leaves about a ¼ inch deep footprint.

iv. Remove rocks, twigs, concrete, foreign material and clods over 2 inches that can't be broken down.

v. Soil moisture content shall be at least 30% soil capacity (estimated). Do not seed into undesirable moisture conditions (e.g. "dust" or "mud").

d. Plant communities shall be evaluated annually for two years to ensure revegetation success as determined by IDAPA 20.07.02.510.07.

i. Repair and reseed areas that have erosion damage as necessary.

ii. If a stand has less than 70% ground cover after two years, re-evaluate the choice of plant materials, methods and available light and moisture. Re-establish the stand with modifications based the evaluation.

6. Reestablish initial visual composition.

a. Ensure the reclaimed landscape features conform to the prior conditions of the site.