

d. Emergency telephone number?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. For multiple completions, is there a sign for each well head connection?	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No

Section 4: Location Operations **IDAPA 20.07.02.301**

1. Is the well site fenced? *See note 2 <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Answer N/A if the well has not been completed and fencing is erected)	
A. If yes;	
i. Was the fence installed within 60 days of completing the facility?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
ii. Does the fence appear to:	
a. Maintain safe working conditions?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
b. Secure the well site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
c. Prevent access by wildlife and livestock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Are chemicals stored and maintained in accordance with all applicable MSDS requirements?	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Are all materials related to operations palletized?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. Do all vehicles or materials on the site appear to be in use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. Is there less than 5% vegetation on site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. Is the site free from all trash, debris, or scrap metal on site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
A. If no, is all trash, debris and scrap metal pending removal kept in a wind proof container and appear emptied regularly?	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No
B. If trash or debris constitutes a fire hazard, is it removed to at least 100 feet from the facility, tanks or separators?	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No

Section 5: Accidents and Fires **IDAPA 20.07.02.302**

1. Is the emergency response plan available for use or inspection? *See note 3	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
A. If yes, does the operation appear to be consistent with the response plan?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. Is the location free of evidence of recent fires?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
A. If no, have they been properly reported?	<input checked="" type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Ask for a spill prevention and countermeasures plan (SPCC can be located in company office). Are they aware of it?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Section 9: Tank Batteries **IDAPA 20.07.02.420**

1. Are there tank batteries located on site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
A. If yes, are all tank batteries located at least 300 feet from any existing:	
i. Occupied structures?	<input type="checkbox"/> Yes <input type="checkbox"/> No
ii. Water wells?	<input type="checkbox"/> Yes <input type="checkbox"/> No
iii. Canals?	<input type="checkbox"/> Yes <input type="checkbox"/> No
iv. Ditches?	<input type="checkbox"/> Yes <input type="checkbox"/> No
v. Natural or ordinary high water mark of surface waters?	<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. Is location at least 50 feet from highways when measured from outermost portion of the tank dike? Yes No
- C. Are all tanks containing produced fluids or crude oil surrounded by tank dikes Yes No
- D. Are all tanks equipped to receive produced fluids surrounded by tank dikes? Yes No
 - i. If yes;
 - a. Do the dikes have a capacity of at least 1.5 times the volume of the largest tank? Yes No
 - b. Is all piping and manmade improvements that perforate the dike wall or tank battery floorsealed to a minimum radius of 12" from outside edge of the piping or improvement? Yes No
 - c. Are valves and quick-connect couplers at least 18" from inside wall of tank dike? Yes No
 - d. Is vegetation on top and outside surface properly maintained? Yes No
 - e. Is a ladder or other permanent device installed over the tank dike to access the containment reservoir? Yes No
 - f. Is containment reservoir free of vegetation, storm water, produced fluids, other oil and gas field related debris, trash or flammable material? Yes No
- E. Do drain lines have a valve installed, closed and capped off if not in use? Yes No

Section 10: Casing

IDAPA 20.07.02.310

What casing string are you inspecting? Surface (Required) Intermediate (Optional)
Production (Optional)

- 1. Do the casing and cement match those approved on the permit and do they conform to API SPEC 5CT and API SPEC 10A? Yes No
 - A. Is the conductor casing length a minimum of 40' below ground surface? Yes No
 - B. Surface Casing. (Surface casing is required to be witnessed by the Dept.)
 - i. Was IDL notified in writing 72 hours before planned spud activity? Yes No
 - ii. Was IDL notified in writing 24 hours in advance of cementation? Yes No
 - iii. Is the surface casing set to 10% of the proposed total depth of the well? Yes No
 - iv. Is the surface casing seated through a sufficient series of low permeability, competent lithologic units, to insure a solid anchor for BOP equipment and protection of usable ground water? Yes No
 - v. Is the casing cemented solid to surface by pump and plug, displacement, or other approved method? Yes No
 - vi. Were surface samples of cement cured prior to drilling activity continuing? Yes No
 - C. Intermediate Casing. (IDL may witness and document) **N/A**
 - i. Was IDL notified in writing 24 hours in advance of cementation? Yes No
 - ii. Was casing run to surface or lapped at least 100' into the next largest casing? Yes No
 - iii. Is casing cemented solidly to surface or the top of the casing? Yes No
 - iv. Was casing cemented and pressure tested before cement plugs were drilling Yes No
 - D. Production Casing. (IDL may witness and document) **N/A**
 - i. Was IDL notified in writing 24 hours in advance of cementation? Yes No
 - ii. Was casing run to surface or lapped at least 100' into the next largest casing? Yes No
 - iii. Is casing cemented solidly to surface or the top of the casing? Yes No
 - iv. Was casing cemented and pressure tested before cement plugs were drilling? Yes No
 - v. If the bottom plug will be drilled out, is the open hole interval going to be completed? Yes No

Section 10: BOP**IDAPA 20.07.02.310**

- | | |
|---|---|
| 1. Is the BOP the same as the schematic submitted in the drilling permit? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Does the accumulator maintain a pressure capacity reserve that provides for operation of the hydraulic preventers and valves with no outside source? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. Is all BOP equipment, choke lines, and manifolds installed above ground level? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. If casing heads and spools are installed below ground level, are they visible and accessible? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Does the BOP equipment, and related casing heads and spools have a vertical bore that is no smaller than the inside diameter of the casing to which they are attached? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Does the working pressure rating of the BOP equal or exceed the maximum anticipated pressure to be contained at surface? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Was IDL advised at least 24 hrs in advance of the BOP test? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Is an affidavit covering the initial pressure tests after installation signed and provided to the Dept? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Have the studs on the well head and BOP flanges been tested every week for tightness? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 10. Are hand wheels for locking screws installed and operational? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 11. Is the entire BOP and well head assembly clean of mud and ice? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 12. Is a drill stem safety valve present with the correct thread for the pipe in use? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 13. Is a drillstem float valve installed in bit sub or as close to bit as reasonably possible? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Section 12: Inspection Comments**Comments and Issues of Concern:**

Note 1: Existing wells signed. Cones and flagging at lease and well pad entrances. Guard trailer at well pad.

Note 2: Well stie fenced, double-gated.

Section 13: Attachments**List any and all attachments including photos, samples, documents, etc:**

Pre-drill cementing and casing plan
 Cement program from Resource Cementing
 Pressure/volume graph recorded during cementing
 2 photos:
 Dropping top plug
 Cement returns

Dropping top plug after lead.



Cement returns to surface, sugar added to prevent setting.



Well Construction

<u>Well Interval</u>	<u>Bit/Hole</u>	<u>CSG, Grade/Wt</u>	<u>CSG Depth</u>	<u>TOC</u>	<u>CMT Type/Volume</u>
Conductor	20"	16"/H-40/65#/ft	120'	Surface	200 SKS A/C
Surface	12.25"	9-5/8"/K55/40#/ft	1125' <i>1145'</i> <i>28 JTS / 29</i>	Surface	Lead-247 sks Typelll-RC Econolite Plus. Tail-80sks Typelll-RC Gas Bond.
Production	8.5"	5.5"/J/K-55/17#/ft	5500'	Surface	Lead-394 sks ClassG-RC Gas Bond. Tail-400 sks ClassG-RC Gas Bond.

Surface Casing Detail

- 9 5/8" float shoe
- 1 full length joint 9 5/8" 40# K-55 STC for shoe track - centralized ✓
- 9 5/8" float collar ✓
- 9 5/8" 40# K-55 STC Casing jts to surface *28 JTS*
- Cement basket for 9 5/8" casing approx. 80' below surface. *100' ±*
- Centralization – Install 1 cent /jt

Production Casing Detail

- 5 1/2" float shoe
- 2 full length jts 5 1/2" 17# K-55 LTC for shoe track – centralized
- 5 1/2" float collar
- 5 1/2" 17# K-55 LTC csg with 1 centralizer / joint to surface (turbolizers and scratchers placement TBD).

IDL Permit Supplement
Barlow 3-14

Payette County, ID
August 18, 2022

Cementing Program

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

14:00 - 18:30: CONDITION, PDM
REMOVE DRILL ASSEMBLY
18:30 - 20:30: RUN 25-175 9 5/8" SURF CASING
21:00 - 24:00: RJ RESOURCE CEMENTING
00:15 - 00:30: SAFETY MEETING
00:30 - 01:20: CEMENT 150, INT TO SURFACE
01:40 - 48 BPL NET

Surface Casing: 9 5/8" (Excess 150%)

<u>Stage</u>	<u>Volume</u>	<u>Yield</u>	<u>Density</u>	<u>Description</u>
<u>Spacer</u>	20 bbls	N/A	8.54 ppg	20 bbls 4% KCL
<u>Lead Cement</u>	768 ft3	3.11 ft3/sk	11.0 ppg	247 sks Type III - RC Econolite Plus
Tail Cement	100 ft3	1.36 ft3/sk	14.8 ppg	80 sks Type III - RC Surface Tail
Displacement	80 bbls	N/A	9-10 ppg	Drilling fluids/Water
T/O CMT	102 ft3	1.36 ft3/sk	14.8 ppg	75 sks Type III - RC Surface Tail

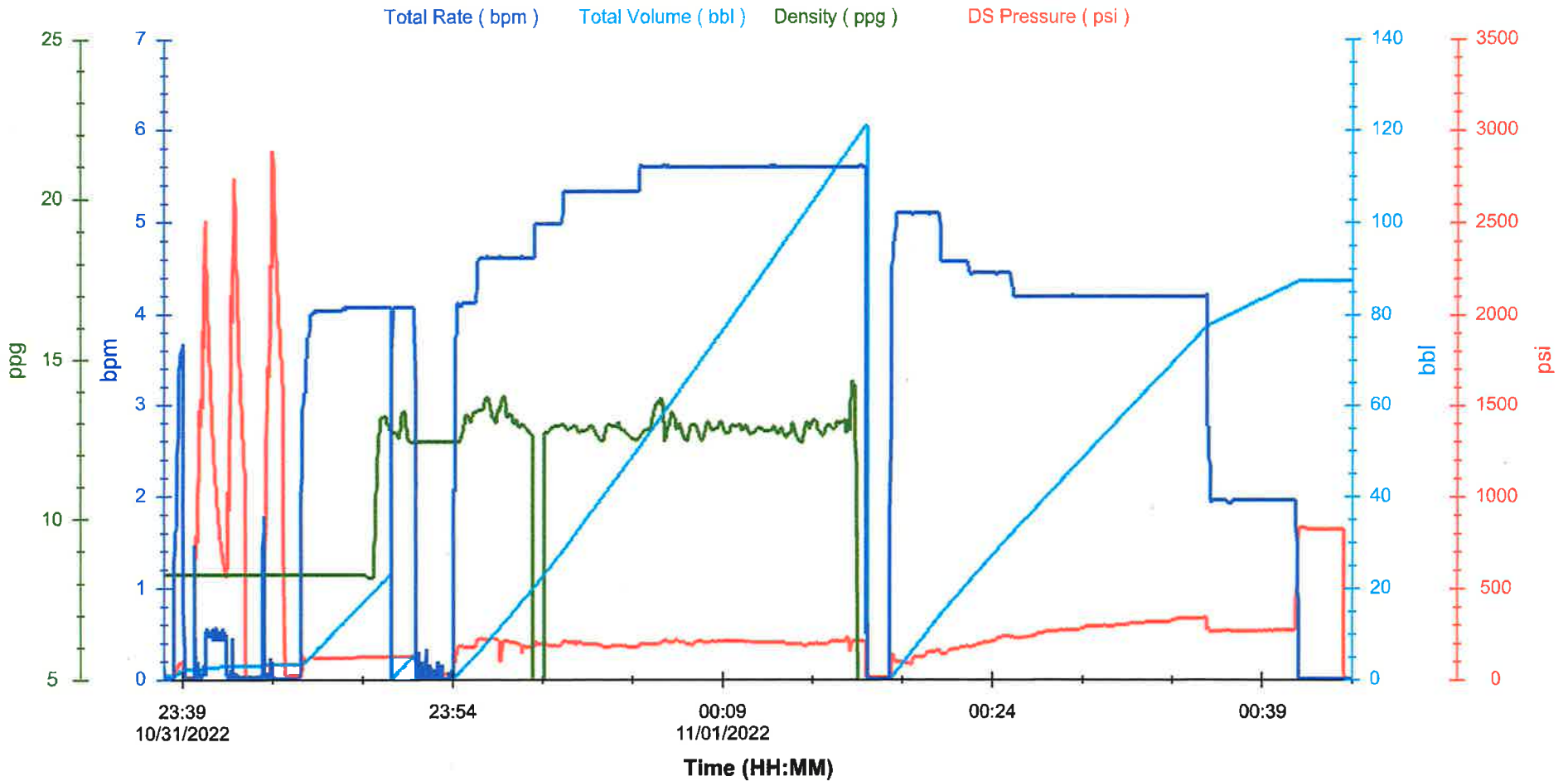
***Depth: 1,125' MD Hole Size: 12 1/4" Mud weight: 8.7 ppg**

Production Casing (Excess 20%)

<u>Stage</u>	<u>Volume</u>	<u>Yield</u>	<u>Density</u>	<u>Description</u>
Spacer	20 bbls	N/A	8.34 ppg	10 bbls mud flush
Spacer	40 bbls	N/A	12 ppg	40 bbls 4% KCL weighted spacer
Lead Cement	677 ft3	1.72 ft3/sk	13.0 ppg	394 sks Class G - RC Gas Bond Lead
Tail Cement	528 ft3	1.32 ft3/sk	14.2 ppg	400 sks Class G - RC Gas Bond Tail
Displacement	102 bbls	N/A	8.54 ppg	102 bbls 4% KCL

Depth: 5,500' MD Hole Size: 8 1/2" Mud weight: 11.5 ppg

**Snake River Oil and Gas
Barlow #3-14
9 5/8" Surface Casing
10/31/22 SO# 22-0102
Times in PST**



Customer: Snake River Oil & Gas	Well: Barlow 3-14	Job Type: Surface Casing
Customer Rep: Foulke, Mike	Supervisor: Stafford, Jeff	Sales Order Number: 22-0102

Snake River Oil and Gas

Well: Barlow #3-14; 9.625" Surface Casing

Monday, October 31, 2022

Conductor Casing: 16" 62.58 lb./ft. @ 120' MD; ID=15.250"

12.250" Open Hole @ 1,145' (120% excess)

Production Casing: 9.625" 40 lb./ft. @ 1,135', MD; ID= 8.835"; 0.0758bbl/ft

Float Collar 1,095'; Capacity = 3 bbl. (MW 8.6 lb./gal)

Estimated Job Time: 60 Minutes

Please prime up all hoses before job begins

- 1) Hold pre-job safety meeting with everyone on location.
- 2) Load Top Plug
- 3) Fill Lines with 2 bbl. of KCL Fluid
- 4) Pressure test surface lines to **2,500 psi**
- 5) **Pump remaining of the 20 bbl. of 4% KCL Fluid @ 5 bpm**
- 6) **Pump 5 bbl. of Water Spacer @ 5 bpm**
- 7) **Mix and Pump 100 bbl. of 12.5 ppg Lead Cement @ 5 bpm**
- 8) Shut down, and Drop Plug and Start Displacement
- 9) **Displace Top Wiper Plug with 83 bbl. of MUD @ 5 bpm**
 - Monitor returns and prepare to adjust rate if lost circulation is observed.
 - First 5 bbl. of displacement fresh water
 - 70 bbl. of displacement Drilling Mud
 - Last 8 bbl. of displacement Fresh Water
 - Slow rate to 2 bpm last 10 bbl. to Bump Plug
- 9) Bump Plug, and Check Floats. (Monitor Cement Level in annular)

<p><u>380 Sks of 12.5 ppg RC Lead Cement</u></p> <p><i>Density: 12.50 lb./gal</i></p> <p><i>Yield: 2.18 ft³/sk</i></p> <p><i>Water Requirement: 11.32 gal/sk</i></p>	<p><u>120 Sacks of 15.8 ppg TOP OUT Cement</u></p> <p><i>300 Lbs. of CaCl₂ on the side</i></p> <p><i>Density: 15.8 lb./gal</i></p> <p><i>Yield: 1.16 ft³/sk</i></p> <p><i>Water Requirement: 5.01 gal/sk</i></p>
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