



IDAHO OIL AND GAS CONSERVATION COMMISSION

SUNDRY NOTICE

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NAME OF OPERATOR: SNAKE RIVER OIL AND GAS Date: NOVEMBER 21, 2022
Address: 117 East Calhoun St., P.O. Box 500
City: Magnolia State: AR Zip Code: 71753 Telephone: 870 234 3050
Contact Name: Nathan Caldwell Email Address: caldwell.nathan@weiser-brown.com
(secondary) Clint Harman - 713-822-3167 - clint.harman.cons@outlook.com
Well Permit Number: 11-075-20040 Lease and Well Name (if different): BARLOW 3-14
USWN / API Number: 11-075-20040 Type of Well: Oil Well Gas Well X Other
Field and Reservoir (if wildcat, so state): Wildcat County: Payette
Well Surface Location: Section: 14 Township: 8N Range: 5W (or block and survey)
(give footage from Section lines): 1567 FSL & 2494 FEL of Section 14
Latitude/Longitude (Dec Degrees): N44°01'47.560" / W116°54'10.827" Datum: WGS84 NAD83 NAD27 X
Type of Submission: Notice of Intent X Subsequent Report Final Abandonment Notice
Type of Action: Acidize Alter Casing Casing Repair Change Plans Convert to Injection
Deepen New Construction X Hydraulic Fracturing Plug and Abandon Plug Back
Production (Start/Resume) Reclamation Recompletion Stimulation Test
Temporarily Abandon Water Disposal Water Shut-off Well Integrity Test Other

Describe the proposed or completed operation, clearly stating all pertinent details including estimated starting date of the proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach a copy of the Bond under which the work will be performed or provide the Bond No. on file with IDL. Required subsequent reports shall be filed within thirty (30) days following completion of the involved operations. Final Abandonment Notices shall be filed only after operations, and only after all requirements, including reclamation have been completed and the operator has determined that the site is ready for final inspection.

Snake River plans to start the initial completion on the BARLOW 3-14 beginning Monday Nov 28, 2022.

Please find the attached procedure and well bore diagrams.

Phone and E-mail updates will be forthcoming.

Attach additional information as needed to support the application



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CERTIFICATE: I, the undersigned, state that I am the Operations Manager
of Snake River Oil and 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.

Signature: _____ Date: _____

//signed// Clinton Lee Harman for Nathan Caldwell on 11/21/2022

This Sundry Notice shall be filed with the

Idaho Department of Lands
Division of Minerals, Public Trust, Oil & Gas
300 N. 6th Street, Suite 103
Boise, Idaho 83702

as per IDAPA 20.07.02 and Idaho Code § 47-3.

FOR IDL USE ONLY:



Approved by: _____ Approval Date: _____



IDAHO OIL AND GAS CONSERVATION COMMISSION
SUNDRY NOTICE



Guidelines and Timeframes for Sundry Notices

<u>Activity</u>	<u>Timeframe</u>	<u>Rule or Statute</u>
Notices – General	Written notice must be given to the Department for any intention to do work and must be approved before work is done.	IDAPA 20.07.02.030
Hydraulic Fracturing	Operator will notify the Department twelve (12) to twenty-four (24) hours in advance of the treatment.	IDAPA 20.07.02.211.03
Accidents and Fires	Operator will notify the Department within twenty-four (24) hours and submit a full report within fifteen (15) days.	IDAPA 20.07.02.211.03
Well Spud & Surface Casing	Operator will notify the Department in writing not less than seventy-two (72) hours in advance of planned spud activity for surface casing.	IDAPA 20.07.02.310.05(a)
Cementing Surface Casing	Operator will notify the Department in writing not less than twenty-four (24) hours in advance of planned cementing activity for surface casing.	IDAPA 20.07.02.310.05(e)
Cementing Intermediate Casing	Operator will notify the Department in writing not less than twenty-four (24) hours in advance of planned cementing activity for intermediate casing.	IDAPA 20.07.02.310.07(d)
Cementing Production Casing	Operator will notify the Department in writing not less than twenty-four (24) hours in advance of planned cementing activity for production casing.	IDAPA 20.07.02.310.08(b)
Mechanical Integrity Testing	Operator will notify the Department in writing not less than ten (10) days in advance of the scheduled date on which the test will be performed.	IDAPA 20.07.02.320.03

SNAKE RIVER O&G - BARLOW 3-14 COMPLETION

KB: 12.5'

Casing 5.5" 17# J55 LTC at 5488'MD 5077'TVD

Well Profile: S shaped directional 3 deg/100 build 36 deg hold 3 deg/100 drop to vertical.

PBTD: 5443'MD/ 5032'TVD

Fluid in Hole: 4% KCL in fresh water.

Proposed perforated interval: 3695' to 3732'MD

Work Plan:

- 1) File necessary regulatory permit requests and obtain approval to proceed, Contact James Thum -IDL for clarification.
- 2) Mobilize workover rig and electric wireline services and flow testing services,
 - a. Work over Rig & eq as follows
 - i. Pump & Tank with gas buster
 - ii. Mixing hopper.
 - iii. 7-1/16 3M or 5M double ram BOPs dressed with 2-3/8" pipe on top and blinds on bottom & 2 wing valves below blind rams.
 - iv. Circulation/choke manifold
 - v. Washington Head.
 - vi. Power Swivel and Hyd unit.
 - vii. 2-3/8" EUE8rd safety valve
 - viii. (4) 3-1/8" DC's
 - ix. Bit sub back to DC's
 - x. XO DC'pin back to 2-3/8" EUE8RD box
 - xi. 2-3/8" EUE 8rd side pump in sub.
 - xii. Plug valve.
 - xiii. Half round pit for cement returns
 - b. Indirect Diesel heaters with ducts as needed
 - c. Minimum 8000lb telehandler or forklift
 - d. 4% KCL working fluid
 - e. Electric line unit with services as follows
 - i. Cement Bond Logging tool
 - ii. 3-1/8" HSC 6-8 JSPF high temp perforating guns to perforate 37' interval with spares guns.
 - iii. 1-9/16 HSC Squeeze perforator 2' 4jspf to perf for block squeeze.
 - iv. 5-1/2" lubricator and Grease head.
 - v. Adapter to run Grease head on 2-3/8" tubing.
- 3) Nipple up and test BOP's and make bit and scraper run using production string.

- 4) RU E-line.
- 5) Install grease head
- 6) Run cement evaluation log on production casing as follows:
 - a. Make 0 psi CBL/CCL/GR pass correlating GR to Weatherford Quad Combo log dated 10 Nov 2022
 - b. Test casing to 3000 psi.
 - c. Make pressure pass
 - d. Evaluate CBL
- 7) Prepare to block squeeze if needed as follows
 - a. Pick up and run bit and casing scraper to PBTB
 - b. Circulate hole with 8.5ppg 4% KCL
 - c. Pick up & run service packer and bypass tool.
 - d. Set packer 500' above proposed perforated interval
 - e. With thru tubing guns perforate bottom 2 ft of proposed perforated interval.
 - f. Perforate Top 2' of interval
 - g. Establish injection in half bbl increments until 3 BPM or 1500 psi achieved.
 - h. Rig up Resource Cementing. Mix and pump 100 sx squeeze cement tested on hesitation squeeze schedule.
 - i. Attempt to achieve 1000 psi squeeze pressure above highest injection pressure or until 2 bbl above top perf
 - j. WOC 12 hrs or until surface samples are HARD.
 - k. Drill out & test squeeze to 500 psi.
 1. Re-squeeze if needed
- 8) RU E-Line with grease head. Make up guns. Run in hole
- 9) Perforate 3695' to 3732' with ii. 3-1/8" HSC 8 JSPF high temp perforating guns
- 10) Run Gage ring & run Wireline set retrievable packer with pump out plug installed.in tail pipe.
- 11) Run tubing and latch up to packer. Pull tension & Hang off in tubing head,
- 12) Nipple up tree,
- 13) Pressure up on tubing and shear pump out plug.
- 14) Swab fluid from tubing to allow zone to flow.
- 15) Have Production Operations on location to measure gas and fluid production.
- 16) Flow test zone to gas buster & rig pit for 1 day. Rig down.
- 17) Close in. Clean pit. Move to next completion.

Snake River Oil and Gas
BARLOW #3-14

County: Payette
Field: Wildcat

AS DRILLED WELLBORE DIAGRAM

November 19, 2022

Surface Elevation GL: 2164.4' KB: 12.5' KBE: 2176.9'

Wellhead:	
A Sec:	9-5/8" SOW X 11" 3M
B Sec:	11"3M X 7-1/16 5M Tbg Hd w/ Dry Hole Flange

Conducto 16" by 62.58 ppf H40 @ 127'
Cemented to surface w/ 10 cuyd (270 cuft)
Concrete
Hole size: 20"

127'

Surface Casing 9.625in, 36#, J55, LTC @ 1134'
Cemented w/100 bbl (380 sx) 12.5 ppg 2.18 yield RC
Lead slurry
TOC Cemented to surface
Recovered 48 bbl cement.
Mud weight 9.7ppg at Surface TD
Hole Size: 12.25"

integral casing packer 1006' FILL WITH 4% KCL

1134' MD 1115' TVD
1145 TD Sfc Hole
FIT EMW: 12.7ppg

4% KCL

Displace cement with 4% KCL

Hole Deviation Max Angle ~36 deg
*See Directional Plan

Logging

Run #1 Quad Combo Shuttle or Wireline

Prod. Casing 5.5in, 17#, J55, LTC @ 5488'

Float Collar at 5443'MD / 5032'TVD
Cemented with 452 BBL Class G cement
Lead Slurry: 244 BBL 12.96 ppg RC Bond Cem Lead,
Tail Slurry: 208 BBL 14.4 ppg RC GasBond Tail
Recovered 38 bbl cement
TOC at surface
Lost Returns after launching top plug.

PBTD 5443' FC

Casing at 5488' MD / 5077' TVD

Mud weight 10.6 ppg at TD
Hole Size: 8.5"

5501' MD / 5090' TVD

TD
5501' MD / 5090' TVD
PBTD 5443' MD

BARLOW #3-14	Field: Wildcat
County: Payette	State: Idaho
Total Depth (MD)5501' MD / 5090' TVD	TVD 5077'

Snake River Oil and Gas
BARLOW #3-14

County: Payette
Field: Wildcat

PROPOSED COMPLETION WELLBORE DIAGRAM

November 19, 2022

Surface Elevation GL: 2164.4' KB: 12.5' KBE: 2176.9'

Wellhead:	
A Sec:	9-5/8" SOW X 11" 3M
B Sec:	11"3M X 7-1/16 5M Tbg
	Hd w/ 2-1/16" 5M tree w/
	2-1/16 5M wing and adj
	choke.

Conducto 16" by 62.58 ppf H40 @ 127'
Cemented to surface w/ 10 cuyd (270 cuft)
Concrete
Hole size: 20"

127'

Surface Casing 9.625in, 36#, J55, LTC @ 1134'
Cemented w/100 bbl (380 sx) 12.5 ppg 2.18 yield RC
TOC Cemented to surface
Recovered 48 bbl cement.
Mud weight 9.7ppg at Surface TD
Hole Size: 12.25"

Packer Fluid 4% KCl

integral casing packer 1006' FILL WITH 4% KCL

1134' MD 1115' TVD
1145 TD Sfc Hole
FIT EMW: 12.7ppg

Packer +/- 3660' MD

Hole Deviation Max Angle ~36 deg
*See Directional Plan

EOT +/- 3690' MD

Proposed Perfs 3695' to 3732' MD

Logging

Run #1 Quad Combo Shuttle or Wireline

Prod. Casing 5.5in, 17#, J55, LTC @ 5488'

Float Collar at 5443'MD / 5032'TVD
Cemented with 452 BBL Class G cement
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Tail Slurry: 208 BBL 14.4 ppg RC GasBond Tail
Recovered 38 bbl cement
TOC at surface
Lost Returns after launching top plug.

shear plug in rathole

PBTD 5443' FC

Casing at 5488' MD / 5077' TVD

Mud weight 10.6 ppg at TD
Hole Size: 8.5"

5501' MD / 5090' TVD

TD
5501' MD / 5090' TVD
PBTD 5443' MD

BARLOW #3-14	Field: Wildcat
County: Payette	State: Idaho
Total Depth (MD)5501' MD / 5090' TVD	TVD 5077'