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By IDL OGD at 10:14 am, Oct 15, 2021



IDAHO OIL AND GAS CONSERVATION COMMISSION

SUNDRY NOTICE

NAME OF OPERATOR: Snake River Oil and Gas Date: 10/15/2021
 Address: 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: 11-075-20036 Lease and Well Name (if different): Barlow 2-14
 USWN / API Number: 11-075-20036 Type of Well: Oil Well _____ Gas Well 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): 2453 FWL & 1612' FSL of Section 14
 Latitude/Longitude (Dec Degrees): N44.029805 / W116.904049 Datum: WGS84 NAD83 _____ NAD27 _____
 Type of Submission: Notice of Intent Subsequent Report _____ Final Abandonment Notice _____
 Type of Action: Acidize _____ Alter Casing _____ Casing Repair _____ Change Plans _____ Convert to Injection _____
 Deepen _____ New Construction 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 intends to run and cement production casing on the well per the attached procedure starting on Saturday, October 15, 2021.

Bond type and number is: Idaho OGCC Bond # ROG 000 1695

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:  For Nathan Caldwell Date: 10/14/2020

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: /signed/ James Thum 10/15/2021 Approval Date: _____



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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 SUNDRY NOTICE INTENT TO SET PRODUCTION CASING
 SNAKE RIVER OIL AND GAS
 BARLOW 2-14
 PROCEDURE TO RUN AND CEMENT PRODUCTION CASING
Run & cement 5-1/2" Casing as follows:

OPEN HOLE 4575' MD 3876' TVD
Casing run to 4550' MD

Size (in)	Weight (ppf)	Grade	Conn	Drift (in)	ID in	Burst (psi)	Collapse (psi)	Tens (Kips)	Opt Torque (ft-lb)
5-1/2	15.5	J-55	LTC	4.825	4.95	4810	4040	239	2170

Required inspection/test: visual thread inspection, full length drift.

Float Equipment, Centralizers & Shoe Track

Item	Description
1 each	5-1/2" Summit Down Jet (5M) Float Shoe
(1) joints	5-1/2", 15.5#, J-55, LTC 1- Bow Spring Cent. @ 10' above shoe, 1 – Bow Spring Cent. @ 10' below float collar
1 each	5-1/2" Summit Float Collar Bottom and Top plugs
FC to 1,000'	5-1/2", 15.5#, J-55, LTC (1) Bow Spring Cent. every joint over a collar. Put Turbolizer centralizers (1 per jt across pay (per log) 3 jts)and 1 per jt across surface casing shoe 5 jts

- Plan to use (1) bottom plug & (1) top plug on cement job.
- Baker-lock all connections on shoe track.
- Check floats after making up float equipment.

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- 1) RIH and C&C mud till MW & Viscosity in and out are same
- 2) POOH. Wipe any tight spots.
- 3) RIH and C&C mud until Cementers are ready to cement.
- 4) POOH. Wipe tight spots.
- 5) Repeat wiper trips until hole is slick and MW & Viscosity in and out are same.
- 6) POOH & LD drill pipe.

Cementing Program (see Resource Cementing Program) – Est. TOC @ Surface

Fluid	Height (ft)	Volume (cu-ft)	Yield (cf/sx)	Density (ppg)	Description
Spacer				8.34	10 bbls RC Mud Flush

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Spacer				12.0	35 bbls, 4% KCL weighted spacer
Lead Slurry	TOC @ Surface	1000	1.47	13.7	567 sxs RC Gas Bond; (15%) Excess of open hole caliper log
Tail Slurry	2509	760	1.34	14.2	680 sxs RC Gas Bond; (15%) Excess of open hole caliper log
Displacement				~8.4	104.5 bbls, 4% KCL water

NOTE: RETRIEVE WEAR BUSHING!

- 7) Have cementing swage on floor.
- 8) R/U casing crew w/ casing tongs.
- 9) Run Float Equipment as in above section.
- 10) Stage in hole, breaking circulation @ +/- 1,000' and 3,000'.
- 11) Make sure casing stays full of mud while running in hole.
- 12) Limit circulating rate to maximum pump rate of (4.0 BPM) to avoid inducing a lost circulation problem.
- 13) Plan to land casing shoe +/- (10') from TD using conventional casing slips.
- 14) R/D casing running tools.
- 15) R/U Resource Cementing w/ 10,000 psi rated equipment and test lines to 3,000 psi.
- 16) Circulate w/ rig pumps through the cementing head. Attempt to work pump rate up to (4.0 BPM). If lost returns are experienced, reduce pump rate as necessary. Circulate @ (4.0 BPM) a minimum of (1.5) actual bottoms-up volumes (as calculated from sweeps pumped when estimating hole size, not theoretical), unless mud returns are lost. If full or partial mud returns are lost, contact Snake River Office
- 17) Reciprocate casing while circulating; "Hole Conditions Will Dictate if Casing will be Reciprocated While Cementing".
- 18) Pump (10) bbls Mud Flush spacer followed by (40) bbls of weighted, 4% KCL spacer. Pump rate @ (4.0 BPM).
- 19) Drop bottom plug.

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- 20) Mix and pump cement per Cement Program pumping schedule. Note: Be sure to plan cement slurries for sufficient pump/thickening times for pumping & displacing cement at a (4.0 bpm) rate and bottom-hole temperatures recorded from logging @ TD.
- 21) Ensure cementers collect wet and dry samples of cement; leave samples on porch outside of consultant's office. Check slurry density with pressurized mud scales throughout the cement job.
- 22) Shut-down pumping after mixing all cement. Knock off lines and clean out cement pumps and lines before dropping top plug. Note: This is to avoid having any hard cement left on top of float collar.
- 23) Drop top plug & observe "tattle tale" line to ensure that top plug has been released.
- 24) Flush pump and lines at floor. Displace cement w/ 4% KCL water @ (4.0 BPM); "do not" exceed a pump rate over (4.0 BPM). Slow pump rate down gradually over the last (30) bbls of displacement.
- 25) Bump plug @ (1.5 to 2.0) bpm & test with 500 psi over final pump pressure. Do not over displace more than "one-half" the shoe track volume.
- 26) If plug bumps, bleed-off pressure to check floats. Bleed pressure to "0" psi & monitor pressure for (10) min to ensure floats are holding. If floats do not hold pump volume recovered back in casing to final circ pressure. .
- 27) Flush cement from stack and lines and treat with sugar. Send to disposal.
- 28) Use Grout string to wash out 20' below starting head..

NOTE: Close annular to help center casing in wellhead

- 29) WOC (12) hours while cement hardens. Providing surface samples are hard and there is no pressure on the annulus, nipple down BOP's and pick up same. Hang 5-1/2" casing with conventional casing slips.
- 30) Install slips with full string weight.
- 31) Send all charts and cementing details to Snake River Office for well files and regulatory filings.