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By J. Thum at 1:59 pm, Dec 09, 2022



IDAHO OIL AND GAS CONSERVATION COMMISSION

SUNDRY NOTICE

NAME OF OPERATOR: SNAKE RIVER OIL AND GAS Date: DECEMBER 9, 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: 11-075-20039 Lease and Well Name (if different): Irvin 1-19  
 USWN / API Number: 11-075-20039 Type of Well: Oil Well \_\_\_\_\_ Gas Well  Other \_\_\_\_\_  
 Field and Reservoir (if wildcat, so state): Wildcat County: Payette  
 Well Surface Location: Section: 19 Township: 8N Range: 4W (or block and survey)  
 (give footage from Section lines): 904 FSL & 925 FEL of Section 19  
 Latitude/Longitude (Dec Degrees): N44deg 00'48.729" / W116deg 52'08.377" 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 complete the Irvin 1-19 starting Saturday, December 10, 2022 at approximately 12:30 hrs.  
Please find the completion procedure and wellbore diagrams attached.

Will communicate with IDL inspector as operations progress.

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 L Harman for Nathan Caldwell on 12/9/2022

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 J. Thum at 2:00 pm, Dec 09, 2022

Approved by: Approval Date:



**IDAHO OIL AND GAS CONSERVATION COMMISSION**  
**SUNDRY NOTICE**



**Guidelines and Timeframes for Sundry Notices**

<b><u>Activity</u></b>	<b><u>Timeframe</u></b>	<b><u>Rule or Statute</u></b>
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 – IRVIN 1-19 COMPLETION

KB: 12.5'

Casing 5.5" 17# J55 LTC at 4561'MD / TVD

Well Profile: Vertical well.

PBTD: 4474'MD/ TVD

Fluid in Hole: 4% KCL in fresh water.

Proposed perforated interval: 3562 to 3575'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.
  - 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 JSPF high temp tubing conveyed guns to perforate 13' 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.

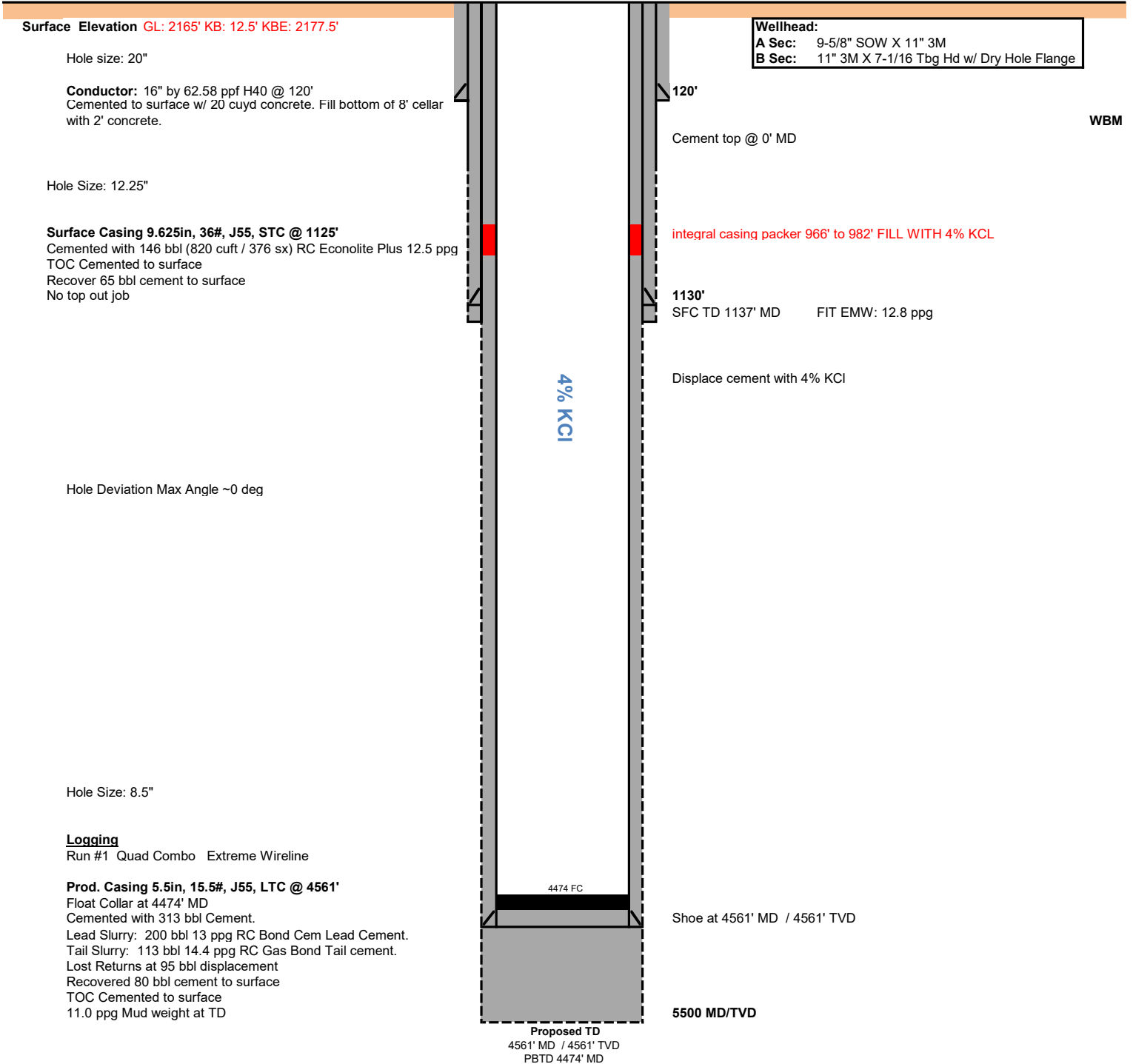
- 4) RU E-line.
- 5) Install grease head
- 6) Run cement evaluation log on production casing as follows:
  - a. Make 0 psi CBL/CCL/GR pass correlating GR to Extreme Wireline Quad Combo log dated 17 Oct 2022
  - b. Test casing to 1500 psi.
  - c. Make pressure pass
  - d. Evaluate CBL
- 7) Prepare to block squeeze if needed as follows
  - a. Pick up & run service packer and bypass tool.
  - b. Set packer 500' above proposed perforated interval
  - c. With thru tubing guns perforate bottom 2 ft of proposed perforated interval.
  - d. Perforate Top 2' of interval
  - e. Establish injection in half bbl increments until 3 BPM or 1500 psi achieved.
  - f. Rig up Resource Cementing. Mix and pump 100 sx squeeze cement tested on hesitation squeeze schedule.
  - g. Attempt to achieve 1000 psi squeeze pressure above highest injection pressure or until 2 bbl above top perf
  - h. WOC 12 hrs or until surface samples are HARD.
  - i. Drill out & test squeeze to 500 psi.Re-squeeze if needed
- 8) RU E-Line. Make up Tubing conveyed Perforator on automatic gun release (converts to wireline guide) 6' sub, X nipple, 6' sub, Packer with X profile stinger looking up on Baker 20 setting tool. Run in hole
- 9) Place guns on depth
- 10) Set packer and guns.
- 11) Run tubing and latch up to packer. Space out & Hang off in tubing head,
- 12) Nipple up tree
- 13) Rig up for flow back.
- 14) Drop bar and fire guns.
- 15) If well does not immediately flow, Swab fluid from tubing to allow zone to flow.
- 16) Have Production Operations on location to measure gas and fluid production.
- 17) Flow test zone to gas buster & rig pit for 1 day. Rig down.
- 18) Close in. Clean pit. Release rig.

**Snake River Oil and Gas**  
Well Name: General Well

County: Payette  
Field: Wildcat

**AS DRILLED WELLBORE DIAGRAM**

October 23, 2021



Well Name: General Well	Field: Wildcat
County: Payette	State: Idaho
Total Depth (MD): 5500 MD/TVD	TVD 4561'

**Snake River Oil and Gas**  
Well Name: General Well

County: Payette  
Field: Wildcat

**AS DRILLED WELLBORE DIAGRAM**

October 23, 2021

**Surface Elevation** GL: 2165' KB: 12.5' KBE: 2177.5'

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

**Conductor:** 16" by 62.58 ppf H40 @ 120'  
Cemented to surface w/ 20 cuyd concrete. Fill bottom of 8' cellar with 2' concrete.  
Hole size: 20"

Hole Size: 12.25"

**Surface Casing 9.625in, 36#, J55, STC @ 1125'**  
Cemented with 146 bbl (820 cuft / 376 sx) RC Econolite Plus 12.5 ppg  
TOC Cemented to surface  
Recover 65 bbl cement to surface  
No top out job  
Top out cement : 100 sx RC Surface Tail

120'  
Cement top @ 0' MD

integral casing packer 966' to 982' FILL WITH 4% KCL

1130'  
SFC TD 1137' MD FIT EMW: 12.8 ppg

4% KCL

Hole Deviation Max Angle ~0 deg

Hole Size: 8.5"

**Logging**  
Run #1 Quad Combo Extreme Wireline

4% KCL Pkr fluid  
Proposed packer at +/-3550

Perfs 3562-3675'

tubing conveyed perforator in rathole

**Prod. Casing 5.5in, 15.5#, J55, LTC @ 4561'**  
Float Collar at 4474' MD  
Cemented with 313 bbl Cement.  
Lead Slurry: 200 bbl 13 ppg RC Bond Cem Lead Cement.  
Tail Slurry: 113 bbl 14.4 ppg RC Gas Bond Tail cement.  
Lost Returns at 95 bbl displacement  
Recovered 80 bbl cement to surface  
TOC Cemented to surface  
11.0 ppg Mud weight at TD

4474 FC

Shoe at 4561' MD / 4561' TVD

5500 MD/TVD

Proposed TD  
4561' MD / 4561' TVD  
PBTD 4474' MD

Well Name: General Well	Field: Wildcat
County: Payette	State: Idaho
Total Depth (MD)5500 MD/TVD	TVD 4561'