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By jthum at 10:39 am, Jan 23, 2023

# IDAHO OIL AND GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND WELL REPORT



### DESIGNATE TYPE OF COMPLETION:

New Well  Work-Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

Well Name/Number: BARLOW 3-14 US Well Number: 11-075-20040  
Operator: SNAKE RIVER OIL AND GAS Contact Person: Nathan Caldwell  
Address: 117 East Calhoun St., P.O. Box 500  
Field & Reservoir: WILDCAT County: Payette  
Location: (Sec.-TWP-Range or Block & Survey): Sec 19 T-8-N R-4-W Date Permit Issued: September 10, 2022

Date spudded <b>10/30/2022</b>	Date total depth reached <b>11/9/2022</b>	Date completed, ready to produce <b>12/9/2022</b>	Elevation (DF, RKB, RT, or GR) <b>2176.9' RKB</b>	Elevation of casing hd. Flange <b>2175.4 RKB</b>
Total depth <b>5501 RKB</b>	P.B.T.D. <sup>1</sup> <b>5443' RKB</b>	Single, dual, or triple completion <b>SINGLE</b>	If this is a dual or triple completion, furnish separate report for each completion. Enter NA or Multiple; see separate report:	
Producing interval(s) for this completion <b>3695 to 3732' MD</b>		Rotary Tools used (interval) <b>0 to 5501'</b>	Cable tools used (interval) <b>N/A</b>	
Was this well directionally drilled? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Was a directional survey made? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Was a copy of directional survey filed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	Date filed <b>1/20/2023</b>	
Type of electrical or other logs run (check logs filed with the commission) <b>Quad Combo OH log, Mud Log, Cement Bond Log</b>				Date filed <b>1/20/2023</b>

<sup>1</sup> Plug Back Total Depth

### CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size Hole Drilled	Size Casing set	Weight (lb./ft.)	Depth set	Sacks Cement	Amount Pulled
CONDUCTOR	20"	16"	62.58	127	10 CU YD	N/A
SURFACE	12.25"	9.625"	36	1134	380 SX (100 BBL)	N/A
PRODUCTION	8.5"	5.5"	17	5488	1999 SX (452 BBL)	N/A

### TUBING RECORD

### LINER RECORD

Size: (ft)	Tubing Weight:	Depth: (ft)	Packer set at: (ft)	Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)
2.375"	4.7	3689'	3574'					

### PERFORATION RECORD

### ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
6	3-1/8" HSC 60 deg Phase	3695 to 3732' MD	interval SHOT	3695 to 3732' MD

Date of First Production:

**12/10/2022**

**NOTE: Please attach copies of ALL pressure tests performed including: multi-point tests, build-up tests, bottom-hole pressure tests, and RFT's.**

Date of Test <b>12/10/2022</b>	Hrs. Tested <b>120</b>	Choke Size <b>18</b>	Oil Prod. During Test (bbls.) <b>44.19</b>	Gas Prod. During Test (MCF) <b>7421.302</b>	Water Prod. During Test (bbls.) <b>62.42</b>
Tubing Pressure (PSI) <b>1123</b>	Casing Pressure (PSI) <b>0</b>	BHP (PSI)	Oil Gravity *API (Corr)	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): <b>flowing</b>	
Cal'ted Rate per 24 hrs <b>1484.26 MCF</b>	Oil (bbls.) <b>8.838</b>	Gas (MCF) <b>1484.26</b>	Water (bbls.) <b>12.484</b>	Gas—oil ratio <b>167941</b>	

Disposition of gas (state whether vented, used for fuel or sold): **SOLD**



**IDAHO OIL AND GAS CONSERVATION COMMISSION**  
**WELL COMPLETION OR RECOMPLETION REPORT AND WELL REPORT**



Well Name/Number: BARLOW 3-14 US Well Number: 11-075-20040  
 Operator: SNAKE RIVER OIL AND GAS

**DETAIL OF FORMATIONS PENETRATED**

Formation	Top	Bottom	Description*
Claystone, rr SS	Surface	3695'	Clystn gy, soft; SS vfg mod calc
Sandstone	3695'	3730'	SS, clr, wht, m-c grn, gas shows
Siltstone, Claystone	3730'	3880'	Sltstn lt. Gy; Clystn, Gy, soft
SS w intrbd Clystn	3880'	4416'	SS AA, some gas shows; Clystn AA
Basalt	4416'	4500'	Bas Blk dk Gy, crs-med-fn xln
SS w intbd Clystn/sltstn	4500'	5501'	SS, Clystn, siltstn AA

\*In accordance with IDAPA 20.07.02.10.58, describe the strata, water, oil, or gas encountered. Provide additional information as to give volumes, pressures, rate of fill-up, water depths, caving strata, etc, as is usually recorded in normal procedure of drilling. Show all important zones of porosity, lithologic description of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**INSTRUCTIONS: IF NEEDED, PLEASE ATTACH A SEPARATE DOCUMENT FOR FORMATION DETAIL, IF PAGE TWO DOES NOT PROVIDE ENOUGH ROOM TO DO SO.**

CERTIFICATE: I, the undersigned, state that I am the OPERATIONS MANAGER  
 of the SROG (company) and that I am authorized by said company to make this report and that this report 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 1/23/2023

Signature [Handwritten Signature]

This Well Completion or Recompletion Report and Well Report shall be filed with the:

Idaho Department of Lands  
 Oil and Gas Division  
 300 N. 6<sup>th</sup> Street, Suite 103  
 Boise, Idaho, 83702

not later than thirty (30) days after project completion as per Rule 20.07.02.340 and Idaho Code § 47-3.

Snake River Oil and Gas  
BARLOW #3-14

**RECEIVED**  
By jthum at 9:34 am, Jan 23, 2023

County: Payette  
Field: Harmon/Wildcat

**COMPLETION WELLBORE DIAGRAM**

January 20, 2023

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  
**C Sec:** 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 11.3 ppg CaCl

Integral casing packer 1006' FILL WITH 4% KCL

11.3 ppg CaCl

**Logging**  
 Run #1 Quad Combo Weatherford Shuttle 10-Nov-2022

**Cased hole**  
 Run #1 CBL/GR/CCL Extreme Wireline 12-Dec-2022

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

5-1/2" ON/OFF TOOL SKIRT (LH RLS) 3672'  
 1.875 'X' PROFILE STINGER 3674'

Hole Deviation Max Angle ~36 deg  
 \*See Directional Plan

5 1/2" AS1X PKR 3674-3681'

1.875" 'X' PROFILE NIPPLE 3687-3688'

EOT 3689' MD

Perfs 3695' to 3732' MD 3-1/8" HSC 6JSPF 60deg Phase

**Prod. Casing 5.5in, 17#, J55, LTC @ 5488'**  
 Float Collar at 5443'MD / 5032'TVD  
 Cemented with 452 BBL (1999 sx) Class G cement  
 Lead: 244 BBL (933 sx) 12.96 ppg RC Bond Cem Lead,  
 Tail : 208 BBL (1066 sx) 14.4 ppg RC GasBond Tail  
 Recovered 38 bbl cement  
 TOC at surface  
 Lost Returns after launching top plug.  
 Pumped 126.5 bbl cement away

pump out shear plug in rathole

PBTD 5443' FC

Casing at 5488' MD / 5077' TVD

Hole Size: 8.5"  
 Mud weight 10.6 ppg at TD

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

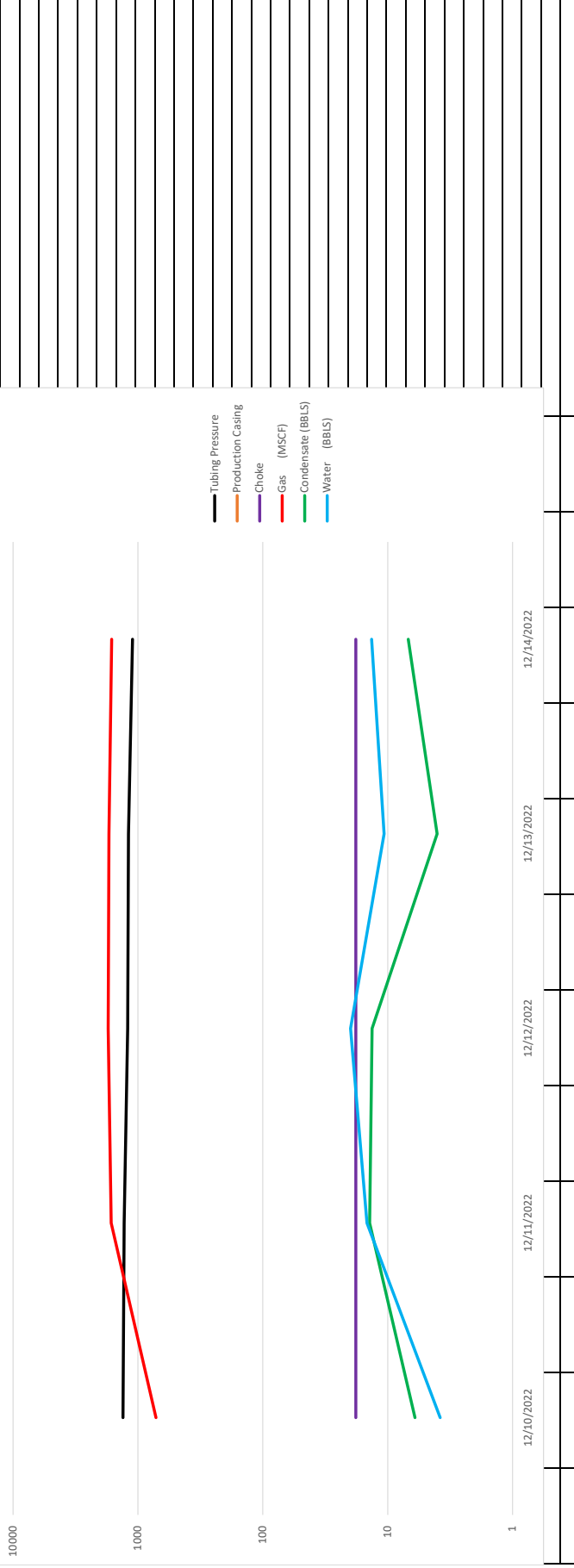
**5501' MD / 5090' TVD**

BARLOW #3-14	Field: Harmon/Wildcat
County: Payette	State: Idaho
Total Depth (MD)5501' MD / 5090' TVD	CASING DEPTH 5488' MD/ 5077' TVD

**Barlow 3-14**

Date	Well Data				Production						Compression (Y/N)	Comments	
	Tubing Pressure	Production Casing	Choke	Separator Pressure	Surface Casing Gas (MSCF)	Gas (MSCF)	Condensate (BBLs)	Water (BBLs)	Fuel Gas (MSCF)	Downtime (HRS)			
12/10/2022	1318	0	18	600	0	717.156	6.05	3.8	0	0	0	0	
12/11/2022	1290	0	18	600	0	1639.523	13.949	14.66	0	0	0	0	Turned on 12-9-22
12/12/2022	1210	0	18	600	0	1731.177	13.337	19.83	0	0	0	0	
12/13/2022	1190	0	18	600	0	1708.05	4.02	10.68	0	0	0	0	Coriolis lost power
12/14/2022	1105	0	18	600	0	1625.396	6.884	13.45	0	0	0	0	
	1222.6					7421.302	44.19	62.42					AVE TBG PRESSURE /CUM GAS-COND-WATER

Barlow 3-14



- Tubing Pressure
- Production Casing
- Choke
- Gas (MSCF)
- Condensate (BBLs)
- Water (BBLs)