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By JamesThum at 4:45 pm, Dec 01, 2020

# 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 1-14 US Well Number: 11-075-20033

Operator: Snake river O&G Contact Person: Nate Caldwell

Address: 117 E. Calhoun St. (Box 500), Magnolia, AR 71753

Field & Reservoir: Harmon County: Payette

Location: (Sec.-TWP-Range or Block & Survey): 14-8N-5W Date Permit Issued: 10-26-2017

Date spudded <b>1-17-2018</b>	Date total depth reached <b>1-25-2018</b>	Date completed, ready to produce <b>2-10-2018</b>	Elevation (DF, RKB, RT, or GR) <b>2,178 RKB</b>	Elevation of casing hd. Flange <b>2,164</b>
Total depth <b>4,150</b>	P.B.T.D. <sup>1</sup>	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: N/A	
Producing interval(s) for this completion <b>3503-12'</b>	Rotary Tools used (interval) <b>TBG-Bit</b>	Cable tools used (interval)		
Was this well directionally drilled? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Was a directional survey made? Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	Was a copy of directional survey filed? Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>	Date filed	
Type of electrical or other logs run (check logs filed with the commission) <b>Triple Combo, Radial bond, Mud Log</b>				Date filed <b>2-22-2018</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	19"	16"		120'		
Surface	12.25#	9.625"	40#	1092'	328	
Production	8.5"	5.5"	17#	4,150'	830	

### TUBING RECORD

### LINER RECORD

Size: (ft)	Tubing Weight:	Depth: (ft)	Packer set at: (ft)	Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)
2-7/8"	J-55	3322	3330	5.5"				

### PERFORATION RECORD

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

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
6 SPF	6 SPF 60 deg PH	3503-12'		

Date of First Production:

**N/A**

**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	Hrs. Tested	Choke Size	Oil Prod. During Test (bbls.)	Gas Prod. During Test (MCF)	Water Prod. During Test (bbls.)

Tubing Pressure (PSI)	Casing Pressure (PSI)	BHP (PSI)	Oil Gravity *API (Corr)	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):

Cal'ted Rate per 24 hrs	Oil (bbls.)	Gas (MCF)	Water (bbls.)	Gas—oil ratio

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



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



Well Name/Number: Barlow 1-14 US Well Number: 11-075-20033  
 Operator: Snake River Oil and Gas

**DETAIL OF FORMATIONS PENETRATED**

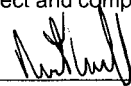
Formation	Top	Bottom	Description*
N/A			

\*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 Snake River Oil and Gas (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.

11-30-2020  
 Date

  
 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.

**SROG**  
**Barlow 1-14**  
**Payette County, Idaho**  
**11-075-20033**  
**Current WBS**

GL: 2,164'

RKB: 12.5' (1.5' above GL)

Updated 11/17/20 MEG

**Primary Logs**

Weatherford Triple combo 1/26/18  
 Pioneer RBL 2/8/18

**Conductor:**

16", 0.250" wall (15.500" ID) @ 120' (Pre-set)  
 Cement: (as noted on proposed WBS detail not in wk rpt.)  
 200 sx (273 cu-ft), class "A" cement (200% excess)

**Surface:**

26 jts 9- 5/8", 40.0 #, K-55, STC (8.835" ID) @ 1192'  
 Cement:  
 Lead: 248 sx (137 bbls) RC Econolite Plus @ 11.0 ppg, yield= 3.11 cf/sx and Tail: 80 sx (19 bbls) RC Surface Tail @ 14.8 ppg, yield= 1.36 cf/sx. Displace w/ 9.1 ppg mud; bump plug w/ 750 psi (500 psi over FPP). 40 bbls (75 sx) cement to surface.  
 Run 1" tbg down annulus to 80' and top out with tail cement.

9.7 ppg CaCL with pkr fluid on backside -  
 Corr inhib, biocide, Oxy-scavenger

**Wellhead:**

A Sec: 9-5/8" SOW x 11" 5M  
 B Sec: 11" 5M x 7 1/16" TH  
 C Sec: 2-9/16" 5M x 2-1/16 5M Prd tree  
 (3 vertical run gate valves, 1 manual wing, ESD and Pos ck)

19" Hole

120'

12-1/4" Hole

1092'

11/6/20 - Drilled out cmt retainer and sqz.  
 Tested sqz to 900 psig  
 Cmt Retainer @ 1040' (Drilled out)  
 Sqz #3 - 1092-94' 200 sks class G (Drilled out)

11/7/20 - Drilled out cmt retainer and sqz.  
 Tested sqz to 900 psig  
 Cmt Retainer @ 1220' (Drilled out)  
 Sqz #2 - 1248'-50' 200 sks Class G

11/7/20 - Drilled out cmt retainer and sqz.  
 Tested sqz to 900 psig  
 Cmt Retainer @ 1250' (Drilled out)  
 Sqz #1 - 1300'-02 200 sks Class G

2 7/8" 6.5# J-55 EUE 8rd tbg

TOC at 1540' +/- CBL 2/8/18

**Completion Assy 11/9/20**

2 7/8" On/Off tool at 3301' w/ 2.313" X profile  
 2 7/8" x 5 1/2" Set VS1X at 3330' 9K lbs down  
 2.313" X profile at 3314'  
 EOT at 3322'

3503-12' Perfs 3 1/8" x 34' HSE gun 6 SPF 60 deg phased (2/17/18)  
 2/18/18 - Tested 1.6 MMCFD; 43 BCPD; 2.4 BWPD FTP 1000 psig

11/7/20 - Tagged bottom (CIBP) at 3522' w/ 4.75" RB during WO.

3522' 4.25" CIBP (2-15-18)  
 3526-29' Perfs 3 1/8" x 34' HSE gun 6/60 (2/14/18)  
 3531-37' Perfs 3 1/8" x 34' HSE gun 6/60 (2/14/18)

Well flowing to prod test unit flare @ 300-400 MCFD  
 3561' CIBP (2-12-18)  
 3572-98' Perfs 3 1/8" x 34' HSE gun 6 SPF 60 deg phased  
 (2/11/18) recovered 26 BW( 13.2 bbls LW) some tail gas,  
 no oil cut in samples

3602-06' Perfs 3 1/8" x 34' HSE gun 6/60 (2/11/18) recovered 26  
 BW( 13.2 bbls LW) some tail gas, no oil cut in samples

5-1/2", 17#, K-55, LTC 4138'  
 M&P Lead: 430 sx (131.7 bbls) RC Lead w/ 0.25 #/sx  
 Polyflakes + 0.10% Bactericide @ 13.0 ppg; yield= 1.72  
 cf/sx; Tail: 400 sx (94.0 bbls) RC Tail w/ 0.25 #/sx  
 Polyflake, 0.2% RC-49 gas migration control + 0.10%  
 Bactericide @ 14.2 ppg; yield= 1.36 cf/sx. Full returns  
 throughout job. 65 sx good cmt to surface.

8 1/2" Hole

FS @ 4138'

TD: 4150' TVD 4150'

**CUSTOMER:** Snake River  
**WELL NAME:** Barlow 1-14  
**FIELD:** Harmon  
**COUNTY:** Payette  
**STATE:** Idaho  
**DATE:** 11/10/20

**TBG**                    **CSG**  
**SIZE:**                2 7/8                5 1/2  
**WEIGHT:**            6.50                17#  
**GRADE:**             J-55  
**THREAD:**            8RD  
**DEPTH:**            3319.68

ITEM	TOOL DESCRIPTION	LENGTH	OD	ID
	K.B.	12.00		
1	HANGER	0.65		
2	101 JNTS 2 7/8 J-55	3287.16		
3	5 1/2 ON/OFF SKIRT WITH 10K MOLDED SEALS	1.50	4.625	
4	2.31 "X" SEAL NIPPLE STINGER	1.30	3.125	2.310
5	5 12/ AS1-X PACKER	6.94	4.625	2.441
6	4'-2 7/8 J-55 TBG SUB	4.21	2.875	2.441
7	2.31 "XN" PROFILE NIPPLE	1.31	2.875	2.310
8	6'-2 7/8 J-55 TBG SUB	6.18	2.875	2.441
9	2 7/8 BALL DROP SUB/WIRE LINE ENTRY GUIDE	0.42		
	EOT			

## **LINER**

## **DEPTH**

**12.00**

**12.65**

**3299.81**

**3301.31**

**3302.61**

**3309.55**

**3313.76**

**3315.07**

**3321.25**

**3321.67**