



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: Alta Mesa Services, LP Contact Person: Jeff Janik

Address: 15021 Katy Freeway, Suite 400, Houston, TX 77094

Field & Reservoir: Wildcat Idaho County: Payette

Location: (Sec.-TWP-Range or Block & Survey): Sect. 14, T8N, R5W Date Permit Issued: 10/26/2017

Date spudded 1/17/2018	Date total depth reached 1/25/2018	Date completed, ready to produce 2/16/2018	Elevation (DF, RKB, RT, or GR) 2,178' RKB	Elevation of casing hd. Flange 2,164'
Total depth 4,150'	P.B.T.D. ¹ 4,047'	Single, dual, or triple completion Single	If this is a dual or triple completion, furnish separate report for each completion. Enter NA or Multiple; see separate report: NA	
Producing interval(s) for this completion 3,503-12' (SI)		Rotary Tools used (interval)	Cable tools used (interval) NA	
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 NA	
Type of electrical or other logs run (check logs filed with the commission) Triple combo, Radial Bond Log, Mud Log				Date filed 2/22/2018

¹ 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#	1,092'	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)
2.875"	6.5#	231'						

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
SEE ATTACHED				

Date of First Production:

2/16/2018

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 2/16/2018	Hrs. Tested 29.83	Choke Size 21/64	Oil Prod. During Test (bbls.) 44.60	Gas Prod. During Test (MCF) 1774.53	Water Prod. During Test (bbls.) 3.2
Tubing Pressure (PSI) 1003	Casing Pressure (PSI) 460	BHP (PSI) 1135	Oil Gravity *API (Corr) 69.5	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): flowing	
Call'd Rate per 24 hrs	Oil (bbls.) 42.21	Gas (MCF) 1589.51	Water (bbls.) 2.48	Gas—oil ratio 37,646	

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

Barlow #1-14

PERFORATION RECORD

Number per ft	Size & Type	Depth Interval
26	3 1/8" HSE Gun	3,572-98'
4	3 1/8" HSE Gun	3,602-06'
3	3 1/8" HSE Gun	3,526-29'
6	3 1/8" HSE Gun	3,531-37'
9	3 1/8" HSE Gun	3,503-12'



**IDAHO OIL AND GAS CONSERVATION COMMISSION
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Well Name/Number: Barlow #1-14 US Well Number: 11-075-20033
Operator: Alta Mesa Services, LP

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Glenns Ferry Chalk Hills	Surface 2,150' MD	2,150' MD TD	Lacustrine and Fluvial Sediment Volcanic Ash, Lacustrine and Fluvial Sediment

*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 President
of the Alta Mesa Services, LP (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.

4/13/2018
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. 6th 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.

Alta Mesa Services, LP

Barlow 1-14

Payette County, Idaho

11-075-20033

As Completed Well Schematic

GL: 2,164'

RKB: 12.5' (1.5' above GL)

All depths reference RKB unless otherwise noted.

Logs:

Run #1: Spectral GR/ Sonic/ Dipmeter:

Run #2: Triple combo (1-26-18)

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)

3/18/2018

Cmt Ret at 1040' WLM

3/17/2018

Cmt Ret at 1220' WLM

3/15/2018

Cmt Ret 1284' WLM

Surface:

26 Jts 9- 5/8", 40.0 #, K-55, STC (8.835" ID) @ 1092' 12-1/4" Hole

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.

Production:

5-1/2", 17#, K-55, LTC

Cement

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.

Wellhead:

A Sec: 9-5/8" SOW x 11"-5M, SH2-LWR w/ 24" x (6) Gusset Base Plate

2-10-18 installed 2nd 2" 5M ball valve on A sec head (surface csg)

B Sec: 11"-5M x 7-1/16", T-EBS Tubing head

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'

3/18/18 - Ran 2 7/8" KS to 231'

1092'

3/18/18 - Perf and sqz 1092-94' 4 SPF

Sqz w/ 200 sls Class G cmt.

3/17/18 - Perf and sqz 1248-50' 4 SPF

Sqz w/ 200 sls Class G cmt.

3/15/18 - Perf and sqz 1300-02' 4 SPF

Sqz w/ 200 sls Class G cmt.

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

3/15/18 CBP at 3350'

3503-12' Perfs 3 1/8" HSE gun 6 SPF 60 deg phased (2/17/18)
Spot rates: 1.6 MMCFD; 43 BCPD; 2.4 BWPD (2/18/18)

3522' 4.25" CIBP (2-15-18)

3526-29' Perfs 3 1/8" HSE gun 6 SPF 60 deg phased (2/14/18)

3531-37' Perfs 3 1/8" HSE gun 6 SPF 60 deg phased (2/14/18)

Well flowing to prod test unit flare @ 300-400 MCFD

3561' CIBP (2-12-18)

3572-98' Perfs 3 1/8" 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" 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

8-1/2" Hole

1

Shoe @ 4138'

TD: 4150' / PBD: 3513'

Tag bottom @ 4150' (1-29-18)

Well Name & No.: Barlow 1-14	Field: Wildcat
County / Parish: Payette	State: Idaho
Total Depth (MD): 4150'	(TVD): 4150'
Last Revised: 02/28/2018	Updated by: MEG