



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

DESIGNATE TYPE OF COMPLETION:

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

Lease Name: ML Investments API #11-075-20025

Operator: Alta Mesa Services, LP Address: 15021 Katy Freeway Suite 400, Houston, TX 77094

Well Number: 1-11 UT Field & Reservoir: Willow - 4170'

Location: (Sec.-TWP-Range or Block & Survey): 2740' FNL x 160' FWL of Sec 11 - 8N - 4W

County Payette	Permit number API #11-075-20025	Date issued 6/24/2014	Previous permit number NA	Date issued NA
Date spudded 8/27/2014	Date total depth reached 9/2/2014	Date completed, ready to produce 10/17/2014	Elevation (DF, RKB, RT, or Gr) 2389.4' Gr	Elevation of casing hd. flange 2406.4' (RKB)
Total depth 5500'	P.B.T.D. 4500'	Single, dual, or triple completion Dual	If this is a dual or triple completion, furnish separate report for each completion. NA	
Producing interval(s) for this completion 4175-85' ELM		Rotary Tools used (interval) 0 - 5500'	Cable tools used (interval)	
Was this well directionally drilled? No	Was a directional survey made? No	Was a copy of directional survey filed? NA	Date filed NA	
Type of electrical or other logs run (check logs filed with the commission) Quad Combo, CBL			Date filed 12/19/2014	

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	Amt. Pulled
Conductor	20"	13 3/8"	52.79#	120'	200	0
Surface	12 1/4"	9 5/8"	40#	1082'	358	0
Long String	8 3/4"	7"	26#	4597'	531	0
Liner						

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks Cement	Screen (ft.)
2 3/8 in.	4073 ft.	4073 ft.					

PERFORATION RECORD

Acid, Shot, Fracture, Cement Squeeze Record

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
4	3 1/8" HSC	4175-85'	NA	NA

Date of First Production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump) flowing					
Date of Test 10/17/2014	Hrs. Tested 8	Choke Size 8/64"	Oil Prod. During Test 26 bbls.	Gas Prod. During Test 592 MCF	Water Prod. During Test 0 bbls.	Oil Gravity 48 *API (Corr)	
Tubing Pressure 770	Casing Pressure 250	Cal'ed Rate of Production per 24 hrs.		Oil 78 bbls.	Gas 1776 MCF	Water 0 bbls.	Gas—oil ratio 22,769

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

CERTIFICATE: I, the undersigned, state that I am the Operations Engineer 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.

February 17, 2015
Date

Signature



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Alta Mesa Services, LP - ML Investments 1-11 Upper Completion

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Glenns Ferry Chalk Hills	Surface 2500' MD	2500' MD TD	Lacustrine and Fluvial Sediment Volcanic Ash, Lacustrine and Fluvial Sediment
CONFIDENTIAL			

* show all important zones of porosity, detail 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:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the Director, Idaho Department of Lands, Boise, Idaho, not later than thirty (30) days after project completion.