

New Well 🔀

IDAHO OIL AND GAS CONSERVATION COMMISSION

DEPT. OF LANDS WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

2015 OCT -7 PH 4:21

Work-Over

Deepen 🗋

Plug Back Same Reservoir 🔲 Different Reservoir

Lease Name: ML Investments

Operator: Alta Mesa Services, LP Address: 15021 Katy Freeway, Suite 400, Houston, Texas 77094 Well Number: 2-10 Field & Reservoir: Willow Location: (Sec.-TWP-Range or Block & Survey): Section 10 Township 8N Range 4W County Permit number Date issued Previous permit number Date issued LU600117 Pavette 6/27/2013

rayene	LOUGOTIT			012112013			
Date spuddeo 8/1/2013	Date 8/9/2	total depth rea 013	ched	Date completed, ready to produce: 3/26/2014	Elevation (DF, R Gr - GL2302.75'	KB, RT, or Gr)	Elevation of casing hd. Flange 16'
Total depth 4991		P.B.T.D. 4620'		Single, dual, or triple Completion: Single	If this is a dual or completion. N/		furnish separate report for each
Producing inte	ervai(s) for	this	Rota	ry Tools used (interval)	Cable tools used	(interval)	
Completion:	4194' – 42	04"	Rota	iry 0 – 4991'	N/A		
Was this well drilled? No	directional	f 1 .	a direc lo	tional survey made?	Was a copy of di filed? N/A	rectional survey	Date filed N/A
Type of electr Drilling Logs	ical or othe	er logs run (ch	eck logs	filed with the commission)		Date filed 1/2/2014	1

Casing (report all	string	s set in well—c	onduct	or, surface, l		CASING I e, produci		<u>)</u>	L	CONI	-10	ENTIAL	
Purpose		Size Hole D	rilled	Size Ca	sing set	Weigh	st (lb./ft.)		Dept	h set	S	acks Cement	Amt. Pulled
Conductor				13 3	/8"	54	4,5#		12	0'			0
Surface		10 5/8"		8 5	/8"	3	32#		96	0,		250	0
Long String		7 7/8*		51	4"	15	5.5#		499	91°		1109	0
Liner		Inside 5 1/2" (CSG	43	<u>4</u> "	15	5.1#		487	77		100	0
		TUBING	GRECC	DRD							LIN	ER RECORD	
Size in.	Dep	th set ft.	Packe	er set atft.	Size	in.	Тор	ft.	Bo	ttom	ft.	Sacks Cement	Screen (ft.)
	PEF	REORATION R	ECORE)		1		Acid, S	Shot	, Fracture	, Cem	ent Squeeze Record	
<u>Number per ft.</u> 4		<u>Size & Ty</u> 3 1/8" CSG		<u>Depth I</u> 4790' -			nt & Kind 3P w/15'	of Mater	rial L	lsed	-	Depth Inter 4750'	
4		3 1/8' CSG	Gun	4690' -	4700'		BP w/15'					4685'	
4		3 1/8" CSG	Gun	4660' -	4665'	CI	BP w/15	CMT on	Тор	, –		4600'	·
_			5	SEE PAGE 2	FOR ADD		PERFO	RATION	REC	ORDS		·	. <u> </u>
Date of First Produ	ction:	3/21/2014		Producing	method (ir	ndicate if fi	lowing, g	as lift or i	pum,	ping—if p	umpin	g, show size & type (of pump)
Date of Test 3/25/2014	Hrs.	Tested 2	Choke 16/		Oil Prod. D 4.5 bbls.	Juring Tes		Prod. D 77 MCF		g Test	Wate	er Prod. During Test 2.5 bbls	Oil Gravity 69.4 *API (Corr)
Tubing Pressure 1480	Casi	ng Pressure 0	Cal'te	d Rate of Pro	oduction pr	er 24 hrs.	Oil 54	obls		Gas 2124 M0		Water 30 bbls.	Gasoil ratio

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

CERTIFICATE: I, the undersigned, state that I am the

of the (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.

4/11 Date

Signature



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IDAHO OIL AND GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

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					DESIG	SNATE TYP	E OF CC	MPLE	TION				
New Well 🗴	Work-Ove	r 🗆	Deep	en 🗌 🛛 F	lug Back (Different Res	ervoir [- Oil (-	Gas 🗋] Dry 🗋
Lease Name: <u>ML In</u>	vestments					.							
Operator: Alta Mesa	Services, LF	>			/	Address: <u>15</u>	021 Katy	Free	way, Suite 40	0, Housto	n, Texas 770	194	
Well Number: 2-1	0			Field &	Reservoir	Willow							
Location: (SecTWP-	Range or Block	c & Surv	ey). <u>Se</u>	ection 10 To	ownship 8N	N Range 4W	1						
Payette LU600	number 117			Date issue 6/27/2013	- +-		Previou	is perr	nit number		Date issued	3	
	ate total dept /9/2013	h reach	ned	Date com produce:	pleted, rea 3/26/2014	dy to	Elevatio Gr - GL		, RKB, RT, 0 75'	r Gr)	Elevation o	f casing l 16	
Total depth 4991'	P.8.T.0 4620').		Single, du Completio	If this is a dual or triple completion, furnish separate report for each completion.						t for each		
Producing interval(s)) for this			ary Tools used (interval)			Cable tools used (interval)						
Completion: 4194' -	4204'		Rotar C	y) – 4991'									
Was this well direction drilled? No	onally	Was a	directi	ional survey	/ made?		Was a filed?	сору с	f directional :	survey	Date filed		
Type of electrical or	other logs rur	ı (checl	k logs i	filed with th	e commiss	iion)	I		Date fil	ed	1		
										11-1992 (H. A.)	e se ana merina	1	
Casing (report all Str	ings set in we	ellcon	ductor	, surface, ii		CASING RE			L, L	UNF	IDENTI	AL	
Purpose	Size Ho			Size Cas		Weight (Depth set	Sae	ks Cement		Amt. Pulled
Conductor			1	13 3	/8"	54.5	#		120'				0
Surface	10	5/8"		8 5/	8	32#		960'		250			0
Long String	7	7/8*		5 ½	5°	15.5	-		4991'		1109	1	0
Liner	Inside 5	i 1⁄2" CS	iG	43	15.1	15.1# 4877			100 0			0	
		BINGT	RECOR	RD	,	···		•		LINE	RRECORD		
Size in.	epth set	ft. F	Packer	set at ft.	Size	<u>і</u> п.:	ор	Bottom ft. ft.			Sacks Cement Scree		Screen (ft.)
F	PERFORATIO	N REC	ORD					Acid, S	Shot, Fractur	e, Cemen	t Squeeze Re	ecord	
Number per ft. Size & Type 4 3 1/8" CSG Gun				<u>Depth Ir</u> 4436'		Amount & Kind of Material Used CMT Retainer			Depth Interval 4403'				
4	3 1/8' 0			4288' -		CMT Retainer						260'	
4	3 1/8" (SG GL	ın	4194' –	4204'				_				
Date of First Producti	001 3/31/3044			Draduala-	mothed //-	diante il D		144			-1		
											show size & I		
Jate of Lest I H	rs. Tested	10	inoke	5178 [[D horse Res	Uting Test	I Gae D	Irod D	uring Tool	L Mater	Prod Durine	Toot 1	

D Prod. During Test Oil Gravity as Prod. Duri 3/25/2014 2 16/64 177 MCF 4.5 bbls. 2.5 bbls. 69.4 *API (Corr) **Tubing Pressure** Casing Pressure Cal'ted Rate of Production per 24 hrs. Oil Gas Water Gas-oil ratio 1480 0 54 bbls. 2124 MCF 30 bbls. 39.333

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

CERTIFICATE: I, the undersigned, state that I am the

of the ______(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.

Signature

Date



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

DETAIL OF FORMATIONS PENETRATED

Formation	Тор	Bottom	Description•
lens Ferry	Surface	2450'MD	Lacustrine and Fluvial Sediment
halk Hills	2450'MD	TD	Volcanic Ash, Lacustrine and Fluvial Sediment
			CONFIDENTIAL
			С

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.