Form 3160-4 \*\* (March 2012)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SEP 26 2013

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FORM APPROVED OMB NO. 1004-0137 Expires: October 31, 2014

5. Lease Serial No.

WELL	COMPL	FTION	OR R	FCOMP	FTION	REPORT	LOG	

								Ferm	naton F	اماط ۱۹	, NM	8005			
la. Type of V	Well	Oil We		Gas Well	Dry Decpen	Other	k □ Dia	reau c	f Land	Manage	en & Ji	Indian,	Allottee or	Tribe Name	
b. Type of C	compiction.	Other:		WOIK OVE			K 🗀 Diii	i. icosvi.,			7. U	nit or C	A Agreeme	nt Name and N	0.
2. Name of 6	Operator I & Gas (US											easc Na	me and Wel		
	370 17th St, Su					·	3a. Phone l	No. (incl	ude area co	de)	9. A	Pl Well			
	Denver, CO 80	202	<del></del>				720-876-						419 - 00.		<del></del>
4. Location	of Well (Repo		•		lance with Federal ROM	requiren	nents)*						d Pool or Ex i-Gallup/Ba	xploratory asin Mancos	
At surface		and our i				roon D	0147						R., M., on lor Area Sec	Block and 6, T23N, R9W	
At top pro	d. interval rep	orted below		NL and 89	1' FWL Sec 6, 1	123N, K	900				12.	County	or Parish	13. State	
At total de	epth 342' FS	SL and 89	2' FWL S	ec 6, T23	N, R9W						San	Juan		NM	
14. Date Sp 07/04/201	udded			D. Reache		16	Date Comp		9/10/2013 leady to Pro			Elevatio 2'GL	ns (DF, RK	(B, RT, GL)*	
18. Total Do	epth: MD	9240' 4646'	01712720			ID N/A VD N/A			20. Depth		Set:	MD 4 TVD 4			
21. Type El	lectric & Other		Logs Run	(Submit co		VD IN/A	· · · · · · · · · · · · · · · · · · ·		22. Was w		ZN		Yes (Subm	it analysis)	
NONE										ST run? ional Surve			Yes (Subm Yes (Subm		
	and Liner Rec				T T	Stage	Cementer	No.	of Sks. &	Slurr	Vol.	_		<del></del>	
Hole Size	Size/Grade	<del></del>		op (MD)	Bottom (MD)	<u> </u>	Depth	Туре	of Cement	(BI			ent Top*	Amount	Pulled
12.25" 8.75"	9.625"/J55 7"/J55	5 36 26	0		523' 4880'	N/A 1362'			s Type III	57			ce (CIR)	N/A	
"	"		- 0		"	"		<del> </del>	s Prem Lt s Type III	171 49			ce (CIR) ce (CIR)	N/A N/A	
6.125"	4.5"/SB80	11.6	467	9'	9236'	N/A		N/A*	o Type III	N/A		N/A	50 (0111)	N/A	
0.120	1.0 70 200	-	- 1,0		0200	1		14//		11,77	_	14//	Prun	OCT 4 1:	<del></del>
					<del> </del>	<del> </del>								MS DIU	
24. Tubing	Record					-		J	· ·				n	ict o	-
Size	Depth Ser		Packer Dep		Size	Depth	Set (MD)	Packer	Depth (MD)	Si	re	Dept	h Set (MD)	Packer D	epth (MD)
2.875" 25. Produci	4956	Se	eat Nipple	@4597'		26.	Perforation	Record		1					
23. 1 Toduci	Formation		7	Гор	Bottom		Perforated In			Size	No. I	loles	]	Perf. Status	
A) Gallup			4968'		9240'	5048'	-9176'		0.4	91	612		Open		
B)															
C)															
D)			<u> </u>												
<del></del>	racture, Treatr Depth Interva		nt Squeeze	, etc.				Amount a	and Type of	`Material				<u> </u>	
5048'-917			Please	see attac	hed					······································					
			-												
28 Product	ion - Interval	Λ	1				···								
Date First	Test Date 11	ours T	est	Oil		/ater	Oil Gra		Gas		luction M	lethod			
Produced		ested P	roduction	BBL	MCF B	BL	Corr. Al	PI	Gravity						
9/10/13	1 1	24 hrs '		272	1	189	unkno	wn	unkno	1					
Choke Size	Гbg. Press. С Flwg. Р		4 Hr. ate	Oil BBL		Vater BL	Gas/Oil Ratio		Well St	atus ig back					
	SI	1	<b>—</b>	272		489		cuft/bbl	I lowir	ig back					
	tion - Interval	1052   '		1212	1990 ,	-03	12190	CUIV DDI							
Date First	Test Date 11	ours T	est	Oil		Vater	Oil Gra		Gas		luction M	lethod			
Produced	T	ested P	roduction	BBL	MCF B	BL	Corr. A	ΡΙ	Gravity						
Choke	Tbg. Press. C		4 Hr.	Oil BBL		Vater	Gas/Oil		Well St	atus		Af	CEPTE	D FOR RE	
Size	Flwg. Pi	ress. R	ate	DDL	MCF B	BL	Ratio					a.ne	second Vital	ese i ogent til totalli	
*(See instr	ructions and sp	naces for ad	ditional da	ta on page	2)								SEP	<u>27 2013</u>	
(acc man	actions and 5	Jueso IVI du	wittenat da	a on page	<del>-,</del>										

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FARMKATON HELD OFFICE BY <u>William Tambek</u>ou

201 1										
Date First	uction - Inte	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	rest Bate	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	roduction wethou	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCI <sup>7</sup>	Water BBL	Gas/Oil Ratio	Well Status		
	uction - Inte		- tr	lou		hi.	Total o		les in the second	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	SI	Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
29. Dispo Flared	sition of Ga	s (Solid, us	ed for fuel, ve	nted, etc.)						
30. Sumr	nary of Porc	ous Zones	(Include Aqui	fers):			····	31. Format	tion (Log) Markers	
Show	all importaning depth in	t zones of	porosity and c	ontents the		intervals and al ing and shut-in	ll drill-stem tests, pressures and	Fruitland Cliffhous	Coal 908', Pictured Cliffs e Sandstone 1984', Mene ancos 3829', Gallup 4638'	
E			Detterm		D					Тор
ron	mation	Тор	Bottom		Des	criptions, Conto	ents, etc.		Name	Meas. Depth
*Set 17 8000.51	external sv	vellable c	plugging pro casing packet 77.45' (8) 7	ers for is	plation of pr	oduction strir (10) 6732.72	ng at the following	g depths: (1) 9 12) 6255.02' (*	004.50' (2) 8743.32' (3) 8 13) 5996.82' (14) 5746.39'	481.82' (4) 8220.54' (5) ' (15) 5487.65' (16) 5228.21'
☐ Ele	ctrical/Mecha	anical Logs or plugging	(1 full set requand coment ve	d.) erification		e appropriate be Geologic Repo Core Analysis	DST I	Hydraulic Fra	☑ Directional Survey acturing Fluid Disclosure, records (see attached instruction	
Ν			bynn Hade		Had	de_		ring Technolo		
						it a crime for a natter within its		y and willfully to	o make to any department or a	gency of the United States any

#### **INSTRUCTIONS**

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Souther	astern New Mexico	Northwest	ern New Mexico
T. Anhy	T. Canyon	T. Ojo Alamo 513'	T. Penn A"
T. Salt	T. Strawn	T. Kirtland 628'	T. Penn. "B"
B. Salt_	T. Atoka	T. Fruitland 908'	T. Penn. "C"
T. Yates	T. Miss_	T. Pictured Cliffs 1250'	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House 1984'	T. Leadville
T. Queen_	T. Silurian	T. Menefee 2585'	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout 3661'	T. Elbert
T. San Andres	T. Simpson	T. Mancos 3829'	T. McCracken
T. Glorieta	T. McKee	T. Gallup 4638'	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T	T. Wingate	
T. Penn_	Т	T. Chinle	
T. Cisco (Bough C)	Т.	T. Permian	

OIL	OR	GAS
SANDS	$\mathbf{OR}$	ZONES

No. 1, from		14/4 TED 6 4 11 5 6
	No. 2, fromtoto	No. 4, fromtoto
	No. 1, fromtoto	

#### IMPORTANT WATER SANDS

merude data o	ii rate or water iiii	iow and elevation t	o willen water rose	III HOIC.	
No. 1, from	4638'	to	4973'	feet	
				feet	
				feet	

### LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness In Feet	Lithology	F	rom	То	Thickness In Feet	Lithology
0	628'	628'	Tertiary non-marine clastics (Sandstone, Siltstone, Shale); braided/anastomosing fluvial, alluvial plain setting, volcaniclastic sediments					
628'	1,250	622'	Cretaceous Coastal plain meandering fluvial sandstones, overbank floodplain mudstones, well developed coal (FRLD)					
1,250	2,585	1,335'	Regressive nearshore marine sandstone (PCCF), marine shale (Lewis SH), transgressive nearshore marine sandstone (CLCH/Chacra)					
2,585	3,661	1,076'	Coastal plain non-marine (Menefee) meandering fluvial sandstone, overbank floodplain mudstone (carbonaceous shale), minor coal					
3,661	3,829	168'	Regressive, progradational near-shore marine shoreface sandstone (PNLK)					
3,829	4,638	809'	Marine Shale/Siltstone (MNCS) and submarine sandstone (GLLP);					