Form 3160 (March 20	12)	ż	•	BURE.	.RTME AU OF	ITED STA NT OF TH LAND M	ie i An	NTERI(AGEME	ENT			IV	ED			OMB N	1 APPROVED O. 1004-0137 Detober 31, 2014
	v	VELL	СОМР	LETIO	N OR I	RECOMPL	ET	ION RE	PORT	AND	L04	291	3		Jease Se INM 10	orial No.	· · · · · · · · · · · · · · · · · · ·
la. Type of			Oil Well		as Well	Dry		Other E	<u>Farr</u> u <u>re</u> au	un ate of La	n Fi nd M	<u>कोटं ट्</u> Aana	gemen				Tribe Name
b. Type of	Completio			1 C w	'ork Over	Deepen		Plug Back	🔲 Dif	f. Resvr.		alla	yemen		Juit or (CA Agreeme	ent Name and No.
2. Name of	Operator		Other:												Repa	or <u>E</u> 76 ame and We	Lease
Logos Op 3. Address	erating, L			- 7404				2	a. Phone	No Gua	luda a		10)	Log	jos #5 \PI Wel		Κ
	Farmington	, NM 87	401					5	505-436-		mae a	rea coa		30-	045-35	423 - 00	
4. Location		'	'ocation cl 73' FEL	learly and	in accore	lance with Fee	deral	requireme	nts)*						Field ar sin Dal	nd Pool or E: cota	xploratory
At surfa			10122											11.	See., T. Survey	, R., M., on or Arca Sec.	Block and . 4, T23N, R8W
	od, interval	•	d below	Same as	above.											or Parish	13. State
At total d	_{epth} Sam	e as a													i Juan		NM
14. Date Sp 01/30/201				. Date T.1 2/19/201		d			Date Comp D & A			2013 to Prod	I	17. 686	Elevatio 7' GL	ons (DF, RK	(B, RT, GL)*
18. Total D	epth: MI TV	• •	43'		19. Ph	ug Back T.D.:	M TV	D 6390'					ridge Plug	Set:	MD TVD		
21. Type E GR/CCL/	lectric & Ot	her Mee			Submit co	py of each)		17			,	Was DS	II cored? T run? mal Survey		lo 🔲	Yes (Subm Yes (Subm Yes (Subm	it report)
23. Casing		T						Stage C	ementer	No	of Sk	s.k	Slurry				γ
Hole Size	Size/G		Wt. (#/It.	·) (MD)	Bottom (N	4D)	De		Турс	of Ce		(BB			ent Top*	Amount Pulled
<u>12-1/4"</u> 7-7/8"	9-5/8" J 5-1/2" L		36	0		343' 6435'		N/A 4267'		182 ci 890 si			32 bbls 290 bbls	3	surfac		0
																RCUD OIL C	APR 5 '13 DNS. DIV.
•																D	51.3
24. Tubing	Record		· · · ·							l							
Size	Depth	Set (M		ker Depth	(MD)	Size		Depth Se	t (MD)	Packer	Depth	(MD)	Sizo	3	Dept	h Set (MD)	Packer Depth (MD)
2-7/8" 25. Produci		<u>55 515</u>	5					26. Pa	foration I	Record		l		l			
A) Dakota	Formatio	n		<u>To</u> 6116'	þ	Bottom 6122'		Parl 2 SPF	forated In	terval		0.38	Size	No. I 12	loles		Perf. Status
B)	.					0122		2 3 7 7				0.30		12		open	· · ·
C)																	
D) 27. Acid, F	matura Tra	atmont	Comont	lannor a	10							1					۰ ۱
	Depth Inter									\mount a							
**5960'-61	22'		f	rac w/ 2	000 gal	of 12% HCI	; 10,0	001# of <u>1</u>	00 mest	n sand;	41,54	45# of	40/70 sa	and; 4,0	38 BB	LS of slick	water .
											i						
28. Product		· · · · · · · · · · · · · · · · · · ·	l				- - h17			•,	- F.		<u></u>				······································
Date First Produced	Test Date	Hours Tested	Fest Prod)il sBL	Gas MCF	Wa BB		Oil Grav Corr. AF		Ga Gr	avity		uction M bbing	emoa		
3/25/13	3/25/13	8.5			2.6	тотм	84										
Choke Size	Tbg. Press. Flwg.	.Csg. Prcss.	24 H Rate)il BL	Gas MCF	Wa BB		Gas/Oil Ratio			ell Stati umping					
	si no tbg	0			7	TSTM	23	7					-				
28a. Produc	tion - Interv	val B				,I			bac	·			<u>h.</u>	ation X	a(h = 1	A 0000-1000	The shad shad the total of the
Date First Produced	Test Date	Hours Fested		uction E	oil BL	Gas MCF	Wa BBI		Oil Grav Corr. AP		Ga Gra	s avity	Produ	iction M	cinoa		ied for headhe
																AP	<u>R N 4 2013</u>
Choke Size	Tbg. Press. Flwg. Sl	Csg. Press.	24 H Rate		ni BL	Gas MCF	Wa BBI		Gas/Oil Ratio		Wo	ell Stati	18		f		ION FIELD OFFICE liam Tambeko
*(See instr	uctions and	spaces	for additi	onal data	on page 2)			L				••				

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		4 ,	v							•
28b. Proc	luction - Inte	erval C								
Date First Produced	l'est Date	Hours Tested	Fest Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	.Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCI ⁷	Water BBL	Gas/Oil Ratio	Well Statu	\$	· · ·
28c. Prod	uction - Inte	rval D		L	,,			J		
Date First Produced	fest Date	Hours Tested	Fest Production	Oil BBL	Gas MCI [;]	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Ratc	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Statu	S	
29. Dispo Gas TSTM.	sition of Ga	s (Solid, u	sed for fuel, ve	nted, etc.,	<u> </u>		i	l,		· · · · · · · · · · · · · · · · · · ·
Show a	ll important	zones of		ontents th		intervals and aling and shut-in	ll drill-stem tests, pressures and	31. Forma	tion (Log) Markers	

Provedie		2.4			Тор
Formation	Тор	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
Ojo Alamo Kirtland	950 1164				· ·
Fruitland Piclured Cliffs	1685 1690				
Cliffhouse Menefee	3100 3150				
Point Lookout Mancos	4040 4150				. \
Gallup Greenhorn	5040 5972				
Dakota	6100				
					. 、

32. Additional remarks (include plugging procedure):

recoveries.

**The lower Gallup perforations were frac'd with the Dakota based on the rock properties. Actual Dakota perforations 6116'-6122'.

			CONFID	ENTAL
33. Indicate which items have been attached by placing a ch	cek in the appropriate boxes:			
Electrical/Mechanical Logs (1 Jull set req'd.)	🔲 Geologic Report	DST Report	Directional Survey	
Sundry Notice for plugging and cement verification	Core Analysis	Other:		
34. I hereby certify that the foregoing and attached informat	ion is complete and correct as de	termined from all availa	able records (see attached instructions)*	
Name (please print) Kristy Graham	Title	Production Engine	er	
Signature this grach	Date	04/03/2013		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 12 false, fictitious or fraudulent statements or representations as			lly to make to any department or agency of	the United States any

(Continued on page 3)

Form 3160 (March 20		í	, ,															
(IMarch 20	12)				UN	ITED STA	TES	S							1		FORM	APPROVED
			F	DEPA	RTME	NT OF TH	IE II and	NTERI		E (FD		3 <i>4</i>				OMB N	O. 1004-0137 Detober 31, 2014
													W) [•	
	V	VELL		EIIO	NORF	RECOMPL	E11	ON RE	PORT						1	Lease Se INM 10	rial No. 9398	•
la. Type of			Oil Well	G	as Well	Dry		Other				04 2			6. I	f Indian	, Allottee or	Tribe Name
b. Type of	f Completio	n: 🔽	New Well	□w	ork Over	Dry Deepen		lug Back		f. Resy	, tör	n Field	d ()ffice	7 1	Initon	A A 94999944	nt Name and No.
			Other:					Ł	Bureau	ofĽ	an	id Ma	na	<u>Geme</u>	<u>. </u>	Rep	nt To	Lease
-	perating, L															.case'Na Jos #5	ime and Wel	II No. 🖌
3. Address	4001 North Farmingtor	Butler A	Ave, Building 7401	7101					a. Phone 505-436-		clu	de area	cod	e)		VPI Wel	l No. 423 - 06	
4. Location	n of Well (Report	location cle	arly and	in accord	ance with Fed	eral i	requireme	mts)*						10.		d Pool or Ex	
At surfa		SL & 9	73' FEL														. R., M., on I	Block and
			S	ame as	above.											Survey	or Arca Sec.	4, T23N, R8W
At top pr	od. interval	reporte	ed below												12.	County	or Parish	13. State
At total d	iepui	ne as a	ibove.												Sar	i Juan		NM .
14. Date Sj 01/30/201				Date T.E 19/201). Reache 3	d			Date Com			/13/20 ⁷ ady to P		_		Elevatio 7' GL	ns (DF, RK	B, RT, GL)*
18. Total D	ocpth: M					ig Back T.D.:		o 6390'				~		ridge Plug	g Set:	MD		
21. Type E	TN Electric & O		chanical Log	s Run (S	Submit cor	y of each)	TV	17			22			ll cored?	ZIN		Yes (Submi	
			ensity/Elec											T run? nal Survey	א נע י ע י		Yes (Submi Yes (Submi	
23. Casing Hole Size			<u>(Report al.</u> Wt. (#/ft.)	T		/) Bottom (M		Stage C	Cementer	No	, of	f Sks. &		Slurry	Vol.		and The way	
12-1/4"	9-5/8" 3		36	10	(MD)	343'		Do N/A	pth	<u>Тур</u> 182		f Cemen	nt.	(BB 32 bbls	st.)	surfac	ent Top*	Amount Pulled
7-7/8"	5-1/2" L		17	0		6435'		4267'		890				290 bbl	s	surfac		0
																		APR 5'13
				ļ									_					ONS. DIV.
													_				U	IST. 3
24. Tubing							¹						l					
Size 2-7/8"		Set (M 55 51		er Depth	(MD)	Size		Depth Se	el (MD)	Packe	r Do	epth (MI	<u></u>	Siz	e	Dept	h Set (MD)	Packer Depth (MD)
25. Product	ing Interval Formatic			Top		Bottom			rforation I forated In					Size	No. I	Iolor		Perf. Status
A) Gallup	ronnau		5	180'		6034'		2 SPF	Infated In	lervar		0.	.38"		192	10105	open	Perf. Status
B)																		
C) D)					-		_											· · · · · · · · · · · · · · · · · · ·
27. Acid, F	racture, Tre	atment	. Cement Sc	neeze, e	tc.													· · ·
	Depth Inter	rval	PI	oaso ro	for to se	ection #32 fo	r fra	- dotails	A	moun	t and	d Type (of N	laterial				
								s actails.										<u></u>
28. Product	ion - Interv	al A																
Date First Produced	Fest Date	Hours Tested	l'est Produ	O stion B	il BL	Gas MCF	Wa BBI		Oil Grav Corr. Al			Gas Gravit	v	Produ	uction M	cthod		
3/17/13	3/17/13	6				0	13		[,	-			,		0	r to se	ction #32 f	or test details.
Choke	Ibg. Press	.Csg.	24 Hr.			Gas	Wat		Gas/Oil			Well S						
Size	Flwg. SI	Press.	Rate		BL	MCF	BBI		Ratio			pump	oing)				
28a. Produc	no tbg	0 val B			J	0	52	4	1									
Date First	Test Date	Hours	l'est	0		Gas	Wat		Oil Grav	•		Gas		Produ	uction M	cthod	Relat 1	فمة مع فند المحلية المحلية
Produced		Tested		tion B.	BL	MCF	BBI		Corr. AF	1		Gravit	у				ADE	2 0 4 2013
Choke	Tbg. Press.		24 Hr.	0		Gas	Wat		Gas/Oil			Well S	tatu	s				
	Flwg. SI	Press.	Rate	BI	BL	MCF	BBI	ر	Ratio			1						ON FIELD OFFICE <u>Liam Tambek</u> ou
*(Son inst-	Luctions and		for addition	nal data e	n nao 7	L			l							Ø		
(acc instr	accous and	spaces	101 4001101	iai uata (m page Z	/											mail	HINEMFIAI

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28b. Prod	luction - Inte	erval C								
Date First Produced	Test Date	Hours Tested	l'est Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. St	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCI ⁷	Water BI3L	Gas/Oil Ratio	Well Status		
	uction - Inte	rval D Hours Tested	Fest Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water 1313L	Gas/Oil Ratio	Well Status		
29. Dispos	1sition of Gas	Solid, u	sed for fuel, ve	nted, etc.,	, L					

31. Formation (Log) Markers

Gas TSTM.

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Ten	Bottom	Descriptions, Contents, etc.	Name	Тор
ronnation	Тор	Dottom	Descriptions, Coments, etc.	inane	Meas. Depth
Ojo Alamo Kirtland	950 1164				
Fruilland Pictured Cliffs	1685 1690				
Cliffhouse Menefce	3100 3150				
Point Lookout Mancos	4040 4150				
Sallup Greenhorn	5040 5972				
Dakota	6100			COMFIL	ENTAL

32. Additional remarks (include plugging procedure):

#25 **The lower Gallup perforations were frac'd with the Dakota based on the rock properties. Actual Gallup perfs 5180'-6034'

#27

5180'-5196' frac w/ 2,000 gal of 12% HCl; 10,340# of 100 mesh sand; 63,250# of 40/70 sand; 70Q Foam (2,441 BBLS of slickwater and 2.14MMSCF N2) 5253'-5324' frac w/ 2,000 gal of 12% HCl; 10,206# of 100 mesh sand; 103,450# of 40/70 sand; 70Q Foam (2,939 BBLS of slickwater and 2.47MMSCF N2) 5370'-5400' frac w/ 2,000 gal of 12% HCl; 10,209# of 100 mesh sand; 82,763# of 40/70 sand; 5,429 BBLS of slickwater 5616'-5770' frac w/ 2,000 gal of 12% HCl; 10,225# of 100 mesh sand; 82,094# of 40/70 sand; 5,581 BBLS of slickwater **5960'-6122' frac w/ 2,000 gal of 12% HCl; 10,001# of 100 mesh sand; 41,545# of 40/70 sand; 4,038 BBLS of slickwater, actual Gallup perfs 5180'-6034'

#28 LOGOS will file a subsequent production sundry upon recovery of frac load. Well blew dead before recovering any hydrocarbons; only recovered frac water and nitrogen.

33. Indicate which items have been attached by placing a che	eck in the appropriate boxes:			
Electrical/Mechanical Logs (1 full set req'd.)	Geologic Report	DST Report	Directional Survey	
Sundry Notice for plugging and cement verification	Core Analysis	Other:		
34. I hereby certify that the foregoing and attached informati	ion is complete and correct as	determined from all avai	lable records (see attached instructions)*	
Name (please print) Kristy Graham	Tit	ic Production Engine	eer	
Signature Kruch	Da	e 04/03/2013		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 121	2. make it a crime for any per	son knowingly and willf	ully to make to any department or agency of th	ic United States any

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, factitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)