( April 2004)		DE	PARIMI	ENT OF	THE INTE	KIOK ==	何面面	MI		O	MB NO 1004-013	7	
		BUI	REAU OF	LAND	MANAGE	MENT-	يا رسيا	24 V	/ <u>\$</u>				
WE	ELL: COMPI	LETION	OR REC	OMPLE	TION RE	EPORT 7	AND L	OG		5 LEASE DESIGN	NATION AND SEE	UAL NO	
								^	040	Jicar	illa Contract	110	
						J	ا ال	<del>3 U Z</del>	.014				
la. Typé of Well	Oil W	ell X G	as Well	Dry	Other					6 INDIAN ALLO	TTEE OR TRIBE?	NAME	
	_	Townson of				F-r-	unato!	n Fiel	ld Oillic	:е			
b Type of Comple	etion X	New Well	Workover		Deepen	Plug Bac	561 a	nd libr	fr Resign 31	run? X No Yes (Submit report)  Survey? No X Yes (Submit copy)  of Shury Vol. (Bbl) Cement Top* Amount Pulled  II 55.70 bbl Surface (circ)  II 123.47 bbl Surface (circ)  II 114.57 bbl 3850 CBL  RCUD NU 2 12  BL CONS. DIU.  DIST. 3  Size Depth Set (MD) Packer Depth (MD)  No. of Holes Perf. Status  66 Open, producing  sand and 2,219 bbls of slickwater.  n sand and 3,715 bbls of slickwater.  rity Production Method  Flowing  fits  rroducing		ribe	
	L	, ,		_	- }	eau eau	OI LUI	101		7. UNIT AGREEM	ŒNT .		
		Other											
		Oulei .							— I				
2 Name of Operato	or ·		<u> </u>							0 5/71/07/7			
_										8 FARM OR LEA	SE NAME		
Eller vest Ope	erating, L.L.C.									**	*** * ***		
3 Address					120	Phone No. (inc.	luda avaa a	ode)			carilla A #41	Л	
	1 5 . 0.				) a.						0.020.2002	0	
	1 Fannin Stree	<del>_</del>				71.	3-495-5	333				3-00C1	
4. Location of Wel	ll (Report location cl	early and in acco	rdance with Fe	derai requirem	ents)								
At surface		1,780' FSL	& 580' FV	VL. Sec 1	9 T26N R0	5W (UL L	)		-				
		_,. 55 151		, 550 1.		(322	,		1		104 .		
At top prod. Interval	reported below								<u> -</u>	12 COUNTY OF			
			_										
At total depth			Sa	me (vertic	al well)					Rio As	riba	NM	
14. Date Spudded	1,5	Date T D. Reach		1,,	Data Camul-1-	H 08/28/2012							
14. Late spudded	115	Date 1 D. Reach	ied	16.	Date Complete				1	17. ELEVATIONS	(Dr, KKB, KI, G	r, ac.)"	
a la la .		-1-1			D &	:A x	Ready to I	TOO.	1	((10)	OT (005)	LV D	
7/7/2( 18. Total Depth		8 113	10 Buch	TD.			01	120	Denth D-11	m c.		V.D.	
.v. rvartæpur	MD	7585'	19 Plug back	. 1 D.,	MD	753		<sup>20.</sup>	when Budge	- 1710			
	TVD	7585'	<u> </u>		TVD	753	<u>8</u> .			TV	)		
21. Type F	Electric & other	Logs Run (St	ibmit a com	v of each)				22.	Was well con	ed? X No	Yes (	Submit analysis)	
1,700 12	siccuric & other		BL/GR/C							ئتنا	Ш `	•	
									Was DST rui	2 VNo	□v <sub>ec</sub> (	Submit report)	
		GK/DEN/	NEU Trip	ie Combo					Was 1551 Tu		L	abilit report)	
									Directional S	urvey? No	X Yes (S	Submit copy)	
	111 7	1.0	,, ,										
23. Casing Hole Size	and Liner Reco				Pottom(MD)	Ctore Comen	tor Donth	No of S	Ske & Time of	se of Slurry Vol (Bhi) Cement Ton* Amount Pulled			
12 1/4"	+		Wt. (#/ft ) Top (MI 36# 0		AID) Bottom(MD) 502'		Stage Cementer Depth		sks & Type of x Type III				
8 3/4"	7" J-55	23#	0		3227'	243	6'		х Туре Ш х Туре Ш		<u> </u>		
6 1/4"	4 1/2" N-80	11.6#	- °		7585'	2-13			x Type III		<del></del>	<del></del>	
	1 112 11 00	111011	Ť		7505				JP		PAINA	כדיכוות	
	<del> </del>									<del>-</del>	ON CO	NC DIII	
	<u> </u>	<del> </del>			-	<del> </del>					UIL GU	MD. DIV.	
	<u></u>	<u> </u>				ļ				<u></u>	L DE	11.3	
24 Tubing	Record						T				1		
Size	Depth Set (MI	) Packer	Depth (MD)	Size	Dept	th Set (MD)	Packer	Depth (M	D)	Size Dep	th Set (MD)	Packer Depth (MD)	
2 3/8"	7411'												
25 Produc	ing Intervals				26.	Perforation	n Record						
	Formation	Ι,	Тор	Bottom		Perforated In	teval	$\top$	Size	No. of Holes	Pe	erf. Status	
A)	Basin Dakota		7227'	i		7230' - 75			0.40"				
В)													
C)				l									
D)				l				$\dashv$		<del>                                     </del>	<del> </del>		
	ractura Tractur	nt Comont C	dueeze Et-	<u> </u>							<u> </u>		
<del></del>	racture Treatme	in, cement s	rquicze, EIC	·-			Amount	and Time	of Material				
	Depth Interval		dino/1 7 0	hhla 150/ *	ICI == 3 5 4 1	io h-11 - C				and and 2 210 11	o o f ali al	<u> </u>	
7230' - 7258'													
7364' - 7504'		acı	nze w/17.9	bbis 15% F	iCL and 54 b	010-balls, fra	c w/132,	522# 20	)/40 mesh	sand and 3,715 b	ois of slickwat	er.	
28 Produc	tion- Interval A												
Date First	Test Date	Hours Tested	Test	Oil Bbl	Gas	Water	Oil Gravit		Gas Gravit	y Production Me	thod		
10/19/2012	10/26/2012		Production	25111	MCF	Bbl 15 bbl	Corr API			Claurina	_		
10/18/2012 Choke Size	10/26/2012 Tbg, Press	8 Csg Press	24 Hr. Rate	2.5 bbl Ол Вы	198 mcf Gas	15 bbl Water	Gas. Oil F	Ratio	Well Status				
	108,1103	Flwg.		-	MCF _	Bbl -				_			
32/64	n/a	120 psi		7.5 bopd	_	45 bwpd	<u></u>		Pro	oducing			
28a. Produc	ction-Interval B												
Date First	Test Date	Hours Tested	Test	Oil Bbl	Gas	Water	Oil Gravit		Gas Gravit	y Production Me	thod		
Produced	1		Production		MCF	Bbl	Corr API						
Choke Size	Tbg Press	Csg Press.	24 Hr Rate	Oıl Bbl	Gas	Water	Gas- Oil F	Ratio	Well Status	L	FALLAN APPROVE	EU HUR RECO	
	106 1103	- II COS.	rate	J. 501	MCF	RH	1000000		514111	-	- 100001	_v: vn nevůl	
	<u></u>					1			<u> </u>				
* See instructionsa	nd spaces for additio	nal data on pag	e 2)								ULI	3 1 2012	

UNITED STATES

FORM 3160-4

FORM APPROVED

	tion- Inter	rval C												
Date First Produced	Test Date	. Н	ours Tested	Test Production	Oil Bbl	Gas MCF	Water Bbl		Gravity r API	Gas Gravity	Production Method			
Choke Size	Tbg Press Flwg.	C	sg Press	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas	. Oil Ratio	Well Status				
	tion- Inter					Gas								
Date First Produced	Test Date	H	ours Tested	Test Production			Water Bbl		Gravity r API	Gas Gravity	Production Method			
Choke Size	Tbg Press Flwg,	C	sg Press.	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gas	Oil Ratio	Well Status				
29. Disposition	on of Gas (	Sold, us	ed for fue	, vented, et	tc.)	· <del>····································</del>			•	<del>*</del>				
Gas sold wit	h "Test Al	llowable'	" C-104 us	sing green	completion									
30. Summary	of Porous	Zones (	include A	quifers):		· ·			31. Forma	ation (Log) Mar	kers:			
Show all importested, cushion					ntervals and all d and recoveries.	rill-stem tests,	including depth	interval						
Forma	tion	Top	Botto	om	Descriptions Contents, Etc. Name							Top		
					atoma/Chala				Menefee		<del> </del>	Measured Depth		
Mesa Verde 4317' 4668'				į.	stone/Shale	;			Point Loc	lrout	4741'  5239'			
Cliffhouse 4668' 4741' Menefee 4741' 5239'				Sandstone Sandstone/Shale					Kout	7227'				
Point Lookout   5239'   5423'			Sand		;			Dakota 7227'						
Base Point Lo		1237	13423	Saliu	Stone									
Top Mance		5423'	6399'	Shole	/Sandstone									
Gallup		5399'	7145'	Sand		;								
Greenhorn														
		7145'	7200'	Lime					1					
Graneros Dakota	I .	7200' 7227'	7227'	Sand					1					
Dakota		1221		Sand	sione									
						,								
32. Additiona	l remarks	(include	plugging	procedure)	:									
The following	g list con	tains sh	allow for	rmation to	p picks fro	m the wel	l logs of th	ie sub	j∝t well b	ased on corre	lations to nearb	y well control.		
Olo Alamo	2	2390'	2623'		Pictu	red Cliffs	2989	9'	3099'					
Kirtland	2	2623'	2823'		Lewis Shale 3099'				3907'					
Fruitland	2	2823'	2989'		Chac	ra Sand	390	7'	4317'					
22 7 11	1111	<del></del>												
33. Indicate w				ied by placi	_	n the appro Geologic Rej	•	s:	DST Rep	ort	X Directional Sur	rvey		
	otice for plug					Core Analysi			Other					
34. I hereby cer	tify that the	foregoin	g and attac	hed informa	tion is comple	te and correc	ct as determin	ned from	m all avaılabl	e records (see atta	ached instructions)	*		
Name (pleas	se print) I	Bart Tre	vino				Tıtl	e <u>Re</u>	gulatory A	nalyst		_		
Signature	< Z	之					Dat	e <u>10</u>	/30/2012					

J ~ 0 00

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, fictitious or fraudulent ststements or representations as to any matter within its jurisdiction.

(Form 3160-4, page 2)

FORM 3160-4 F- ( April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED
OMB NO 1004-0137
Expires. March 31, 2007

BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 LEASE DESIGNATION AND SERIAL NO

Jicarilla Contract 110

la. Type of Well	Oil W	eil X	Gas Well	Dry	Other	00	T 30	2012	<u>'</u>	6 INDIAN A	ALLOTTEE OR TRIE	BE NAME		
b Type of Comple	etion X	New Well	Workover		Deepen	Plug Bac	taton [	-i(   Din. ]	enimas	J	icarilla Apach	e Tribe		
		Other			Вι	rean o	FLand	Mana	igerne _	17. UNIT AG	REEMENT			
Name of Operator	or .			······································										
=	erating, L.L.C.									8 FARM OR LEASE NAME				
										Jicarilla A #4M				
3. Address	1 Eamin Street	+ C+0 000	Houston T	77002	3a.	Phone No. (inc				9. API WELL NO. 30-039-29928 - Ooca				
	1 Fannin Stræ (Report location cle				ents)*	/1	3-495-1	303		10 FIELD NAME				
At surface		1 780' FS	L & 580' F	WT Sec 19	9 T26N R0	swaπ i	)			Blanco Mesaverde  11. SEC. T, R, M., OR BLOCK AND SURVEY				
At top prod. Interval		1,700 10	La soo I	, 500 1	7 1201110	SW (OLL	•)			OR AREA Sec 19 T26N R05W				
									Γ	12 COUNT	TY OR PARISH	13. STATE		
At total depth Same (vertical well)											Rio Arriba NM			
14 Date Spudded	15.	Date T D Rea	ached	16	Date Complete	ed 08/28/2012				17. ELEVAT	TIONS (DF, RKB, RT	r, GR, etc.)*		
-1-1	-		1		D &	A x	Ready to P	rod.			101.63	NEL IZ D		
7/3/12 18 Total Depth.	MD 781	<u>8117</u>	19. Plug back	T.D;	MD 75	<b>38</b> '		20. D	pth Bridge		12' G.L., 662 MD	G.L., 6625' K.B.		
` .		<b>88</b> '			-					<b>3</b>	TVD			
21 Type E	lectric & other I	Logs Run (	Submit a con	v of each)				22. W	as well core	d?	No Ye	s (Submit analysis)		
1,700			CBL/GR/C									, , ,		
		GR/DEN	N/NEU Tric	ole Combo		Was DST				run <sup>9</sup> X No Yes (Submit report)				
								D	rectional Su	ırvey?	No X Ye	s (Submit copy)		
23 Casing	and Liner Reco	rd (Report	all strings se	t in well)										
Hole Size 12 1/4"	Size/ Grade 9 5/8" J-55	Wt (#/f	t.) Top	(MD)	Bottom(MD) 502'	Stage Cemer	iter Depth		& Type of Type III	Slurry Vol. 55.70 b		<del></del>		
8 3/4"	7" J-55	23#	0		3227'	243	6'		Type III 123.47 bbl					
6 1/4"	4 1/2" N-80	11.6#	ŧ 0		7585'	ļ		310 sx	Туре Ш	114.57 l				
<del> </del>	<u> </u>	<u> </u>				<u> </u>				<del>                                      </del>		1 NAU 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
		<u> </u>			· · · · · ·	<u>†</u>				<del> </del>	OIL	AINS. DIV.		
24 Tubing	Record					1					· · · · · · · · · · · · · · · · · · ·	71.711.11		
Size	Depth Set (MD	) Pack	er Depth (MD)	Size	Dep	th Set (MID)	Packer	Depth (MD)	!	Size	Depth Set (MD)	Packer Depth (MD)		
2 3/8"	7411'					Domforntion	- Doored					<u></u>		
25 Produc	Ing Intervals Formation		Тор	Bottom	26	Perforation Record  Perforated Inteval Size				No. of Holes Perf Status				
A) Bla	nco Mesa Verde	e .	4317'	5423'	1 CHOICECC INCVAL			0.40"	38 Open, producing					
B)										<del> </del>				
C) D)					-			_						
•	racture Treatme	nt, Cement	Squeeze, Etc											
	Depth Interval							and Type of N			····			
5244' - 5418'						alls, frac w/	147,222#	20/40 me	sh sand	and 885 bbl	s of gelwater, fo	oam with 1,564		
	<u>-</u> ,,	M	SCF N2 @ 60	ppm roam	rate.						•			
											··			
	tion-Interval A	II	Ir	lon ser	Ic	Tag.	10:0							
Date First Produced	Test Date	Hours Tested	Test Production	Oil Bbl	Gas MCF	Water Bbl	Oil Gravit Corr API		as Gravity	Products	on Method			
10/15/2012 Choke Size	10/18/2012 Tbg. Press	8 Csg Press.	24 Hr Rate	7.5 bbl Oil Bbl	113 mcf Gas	7 Water	Gas. Oil R	Patro	Well Status	Flowing				
		Flwg.	24 AF RAIC	_	MCF	Bbl	1			_				
32/64 28a. Produc	n/a tion- Interval B	100 psi		22.5 bopd	340 mcfd	21 bwpd	<u> </u>		Producing	3				
Date First	Test Date	Hours Tested		Oil Bbl	Gas	Water	Oil Gravit		as Gravity	Producti	on Method			
Produced			Production	1	MCF	ВЫ	Corr. API							
Choke Size	Tbg. Press	Csg Press.	24 Hr. Rate	Oil Bbl	Gas	Water	Gas: Oil R	tatio	Well Status	L	ACCE	TIED FUR HELOR		
	Flwg.		-		MCF	Вы					•	PT a 1 nam		
+ C	<del>'                                    </del>	<del></del>										3 7 7007		

												,		
28b Produc	tion- Inte	erval C	٥.											
Date First Produced	Test Date				Test Production	Oil Bbl	Gas MCF	Water Bbi		l Gravity orr API	Gas Gravity	Production Method		
Choke Size	Tbg. Press Flwg.		s Csg Pro		24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Ga	is Oil Ratio	Well Status	<u>-l.</u>	1.00	
8c. Product	tion- Inte	erval D												
Pate First Produced	Test Date		Hours	Tested	Test Production	Oil Bb1	Oil Bbl Gas MCF			Gravity or API	Gas Gravity	Production Method		
Choke Size	Tbg. Press Csg Pres Flwg.			Press.	24 Hr Rate	Oil Bbl	Gas MCF	Water Bbl	Gz	is Oil Ratio	Well Status	•		
29. Dispositio Gas sold with		•				•					•			
30. Summary Show all impor			•		•	ntervals and all d	rill-stem tests	s, including d	epth interv	1	ation (Log) Ma	rkers:		
tested, cushion	used, time	tool open, t	flowin;	g and shut	t-in pressures a	and recoveries.				1				
Formation Top				Botto	m	Descript	ions Cont	ents, Etc.			Name	Top  Measured Depth		
Mesa Verde		4317'		4668'	Sand	Sandstone/Shale Menefee							4741'	
				4741'	Sand	stone				Point Lo	okout	5239'		
				5239'	Sand	stone/Shale	•			Dakota		7227'		
Point Lookout 5239' 542				5423'	Sand	stone								
Base Point Lo	ookout/													
Top Mancos 5423'			6399'	Shale	Shale/Sandstone									
Gallup .   6399'   714:				7145'	Sand	stone								
Greenhorn		7145'	`	7200'	Lime	stone				İ		•	}	
Graneros		7200		7227'	Sand	stone				ì				
Dakota		ילִ227'	:		Sand	stone								
												•		
32. Additional	l remark	s (includ	le pl	ugging	procedure)	:					<del></del>		I	
The following	g list co	ntains s	shall	low for	rmation to	p picks fro	m the we	ell logs o	f the su	bject well	based on corre	elations to nearb	y well control.	
Olo Alamo		2390'		2623'		Pictu	red Cliffs	s 2	989'	3099'				
Kirtland		2623'		2823'		Lewi	s Shale	3	099'	3907'				
Fruitland		2823'		2989'		Chac	ra Sand	3	907'	4317'				
33. Indicate w	hich ite	ms have	heer	n attach	ed by plac	ing a check i	n the appr	ropriate be	oxes.			<del> </del>		
X Electrical/						Г	Geologic F			DST Re	eport	X Directional Su	irvev	
L	otice for pl						Core Analy			Other	*		·	
34. I hereby cert	tıfy that t	he forego	ıng a	nd attac	hed informa	tion is comple	te and corr	ect as deter	rmined fr	om all availab	le records (see att	ached instructions)	*	
Name (pleas	se print)	Bart T	revi	no					Title R	egulatory A	Analyst			_
Signature	4	2	>			, <u>-</u> ,		<del></del>	Date 1	0/30/2012				
Fitle 18 U S C Secti	ion 1001 ar	nd Title 43	U S.C	. Section	1212, make it	a crime for any p	erson knowin	gly and willf	ully to mak	e to any departm	nent or agency of the I	United States any false,	fictitious or fraudulent stateme	nts or

representations as to any matter within its jurisdiction.

(Form 3160-4, page 2)