Form 3160-4 (June 2015)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2018

WELL COMPLETION O	OR RECOMPLETION	N REPORT	AND LOG
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100 CORTLAND DRIVE_FRAMINGTON NM 87401		WEI	LL CON	IPLETIO	N OR I	RECOMPL	ETION	REPORT	T AND	LOG				ase Se 0-603	rial No. -5033	
Name of Operation   Section   Sect				_			= 1	Diff	Zones	☐ Hyd	raulic F	racturing	NIANA		, Allottee o	r Tribe Name
Name of Operator   Name of Ope	b. Type o										- detaining					
100 CORTLAND DRIVE_FARMINGTON NM 87401						7	9									
Location of Well (Report location clearly and maccordance with Federal requirements)*   660 FSL, 1980 FEL SEC 7, T28NR18W NMPM. LATILONG 36. 4971848, -108. 7979431 NADB3   At surface	3. Address	5	אסווער די	DMINOTO	AL AIA 0	7404				nclude ar	ea cod	e)	9. AF	PI Well	No.	
Act surface							Sederal rea									Exploratory
At top prod interval reported below		660 FS		-						8.79794	31 NA	D83	TOC	ITO D	OME MIS	SISSIPPIAN, NORTH
At top and interval reported below   38,4871848, -108,7879431 NADB3   12 Country or Parish   13 State	At surfa	ce											11. S	ec., T.,	, R., M., on	Block and
At total depth 660 FSL, 1980 FEL SEC 7, T26NR18W NMPM. LATILONG 36.4971848108.7979431 NAD  4. Date Spudded  15. Date LD. Reached  16. Date Completed 02/04/2019  8. Total Depth MD 6705  TVD  19. Plug Back TD MD 6705  TVD  10. Plug Back TD MD 6705  TVD  11. Type Electric & Other Mechanical Logs Run (Submit copy of each)  SAMMAR ARY & NEUTRON  22. Was well cored?  23. Mas well cored?  24. Was well cored?  25. Mas well cored?  27. No of Sta. & Sharr Tun?  Directional Survey?  27. No of Sta. & Sharr Tun?  Directional Survey?  27. No of Sta. & Sharr Tun?  Directional Survey?  27. No of Sta. & Sharr Tun?  Directional Survey?  27. No of Sta. & Sharr Tun?  Directional Survey?  28. Date TD. Type of Cement  Type of Cement  Size  Depth Serious Depth (MD)  Surp Cement Type of Cement  Surp Press Cag  Afficial Production Method  Depth Serious Depth (MD)  Size  Depth Serious Depth (MD)  Size  Depth Serious Depth (MD)  Size  Depth Serious Depth (MD)  Directional Directional Survey?  Directional S								8W NMPN	I. LAT/	LONG				uivey	SE	EC 7, T26NR18W
At load applied   15   Date T.D. Reached	At top p	rod. interval	reported	below 36.4	971848,	-108.7979431	NAD83						12. C	County	or Parish	13. State
	At total	depth 660	FSL, 198	80 FEL SEC	7, T26N	NR18W NMPM	I. LAT/LO	NG 36.497	71848,-	108.797	9431	NAD	SAN	JUAN	1	NM
TVD			L			ched	16									
Samma RAY & NEUTRON	18. Total l				19. F	Plug Back T.D.:		05'		20. Dep	oth Bri	dge Plu	g Set: N	MD VD		
Directional Survey      No     Ves (Submit copy )     No   Ves (Submit copy )     No     Ves (Submit copy )     No   Ves (Submit copy )	21. Type I	Electric & O	ther Mech	anical Logs l	Run (Sub	mit copy of eac	h)			22. Was	s well o	cored?	<b>✓</b> N	lo [	Yes (Subi	mit analysis)
3. Casing and Liner Record (Report all strings set in well) Hole Size   Size/Grade   We (#1.)   Top (MD)   Bottom (MD)   Stage Cementer   Type of Cement   Typ	GAMMA	RAY & NE	UTRON													
Hole Size   Size   Grade   Wit (#h)   Top (MD)   Bottom (MD)   Stage   Cementer   Type of Cement   Type of Material and Date of Chemical Disclosure upload on FracFocus org   Top	22 6	17:	D 1.00			11)				Dir	ectiona	u Surve	y? <b>J</b> N	0	J Yes (Subi	mit copy)
17 1/4"   13 3/8"   54.5#   0"   124"   135   SURFACE		1					Stau	e Cementer	No	of Sks &		Slurry	Vol.	-		
11				, ,	op (MD)		()	Depth	Туре	e of Cement (BBL)		_)			Amount Pulled	
15   12"   15.5#   0"   6479   1500   SURFACE							-		_							
1							_	-	_							
4. Tubing Record  Size Dept Set (MD) Packer Dept (MD) Size Depth Set (MD) Packer Depth Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth Size Depth Set (MD) Packer Depth (MD) Size Depth Size Depth Set (MD) Packer Depth Size D		_		-	D'									JURF	AUE	
Size   Dept ket (MD)   Packer Dept (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)	. 01-1	2 170	0.0	043		0.00			01101	_141_141						
Size   Dept ket (MD)   Packer Dept (MD)   Size   Depth Set (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)	24 T 1:	<u> </u>				•										
27/8" 6450' 6406' 5 1/2"  5 Producing Intervals  Formation  Top  Bottom  Perforated Interval  Size  No Holes  Perf Status  OPEN  No Holes  Perf Status  OPEN  OPEN  Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus org  NoNE		_	Set (MD)	Packer Der	ot (MD)	Size	Dept	th Set (MD)	Packer	Depth (M	(D)	Size		Depth	Set (MD)	Packer Depth (MD)
Formation   Top   Bottom   Perforated Interval   Size   No Holes   Perf. Status						5 1/2"										
MSSP LEADVILLE  6644'  TD IN LDVL'  6644-6656'; 6666-6674'  0.29"  80  OPEN  O	25. Produc			Т т	on	Bottom	26. P				Sia		No H	olac		Derf Status
7. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus org  Depth Interval Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus org  NONE  NONE  Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus org  NONE  Apr 1 1 2  Apr 1 1 2  Ball Froduction - Interval A  Test Date Froduction - Interval A  Totale First Test Date Flwg.  Flwg	A) MSSF				ор		6644								OPEN	1 CH. Status
7. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus org  Depth Interval Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus org  NONE  APR 1 1 2  8. Production - Interval A  Pate First Test Date Froduction BBL MCF BBL Corr. API. Gravity  Choke Flwg. SI  Test Date First Test Date Flwg. SI  Test Date Flwg. SI  Test Dil Gas Water BBL Gas/Oil Ratio  Water BBL Gas/Oil Well Status  Water Gas/Oil Gravity Gas Gravity  Gas Gravity  Test Dil Gas BBL Gravity  Gas Gravity  Aproduction Method Gravity  Gas Gravity  Test Dil Gas BBL Gravity  Aproduction Interval B  Water BBL Gas/Oil Gravity Gas Gravity  Test Dil Gas BBL Gravity  Well Status  Production Method Gravity  Gas Gravity  Well Status  Water Gas/Oil Well Status  Test Dil Gas BBL Gravity  Test Dil Gas Gravity  Test Dil Gas BBL Gravity  Test Dil Gas BBL Gravity  Test Dil Gas BBL Gravity  Test Dil Gas Gravity  Test Dil Gas BBL Gravity  Test Dil Gas BBL Gravity  Test Dil Gas Gravity  Test Dil Gas BBL Gravity  Test Dil Gas Gravity  Test Dil Gra	B)															
7. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus org  Depth Interval Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus org  NONE  8. Production - Interval A  Pate First Test Date Production BBL MCF BBL Corr. API.  Choke Tbg. Press.  SI  Press.  Rate BBL MCF BBL Gas Water Gas/Oil Gravity SI  Corr. API.  Gas Water Gas/Oil Gravity SI  Flwg.  Flwg	C)															
Depth Interval  NONE  NONE  Results Flux Flux Flux Flux Flux Flux Flux Flux	D)															
NONE  NONE  NONE  APR 1 1 2  Balance First   Test Date   Hours   Test Orduced   BBL   MCF   BBL   Corr. API.   Gravity   Gas   Gravity   Gas   Gravity   Gravity	27. Acid, I			ement Squee	ze, Post l							locure ur	oload on F	racFor	ne ora	NMOCD
Production First Production BBL First Production BBL Flows Flwg. SI Figure Figure Figure Flows Flows Flows Flwg. Flwg. SI Figure Flows Flows Flwg. Flwg. SI Figure Flows Flwg.	NONE	Depai mier	1 43	NONE		Al	mount, Type	of Material a	and Date	or Chemic	cai Disc	iosure up	noad on r	racroc	us.org	THE O'D
Production First Production BBL First Production BBL Flows Flwg. SI Figure Figure Figure Flows Flows Flows Flwg. Flwg. SI Figure Flows Flows Flwg. Flwg. SI Figure Flows Flwg.																APR 1 1 21
Production First Production BBL First Production BBL Flows Flwg. SI Figure Figure Figure Flows Flows Flows Flwg. Flwg. SI Figure Flows Flows Flwg. Flwg. SI Figure Flows Flwg.																DISTRICT
Toduced Tested Production BBL MCF BBL Corr. API. Gravity  Choke Tbg. Press. Csg. Press. SI Press. Test Date First Test Date Troduced Tbg. Press. Tested Production BBL MCF BBL Gas Water BBL Corr. API. Gas Water BBL Ratio  Test Date First Test Date Test Date Tested Production BBL MCF BBL Gas Gravity  Thomas Production Method Gas Gas Gravity  Test Date First Test Date Ratio BBL MCF BBL Gas/Oil Gravity Gas Gravity  Thomas Production Method Gas Gas Gravity  The press Csg. Csg. Press Gravity  The press Csg. Press Csg. Press Gravity  The press Csg. Press Csg. Press Csg. Press Csg. SI Press BBL Ratio  The press Csg. Press Csg. Rate BBL Ratio  The press Csg. Press Csg. Rate BBL Ratio		-			T										400	DISIKICI
Choke ize Flwg. SI Press. Csg. Press. SI Press. Csg. Press. SI Pre	Date First Produced	Test Date										Prod	uction M	lethod		. 10-
Flwg.   Press.   Rate   BBL   MCF   BBL   Ratio	Choke	The Prace	Csg	24 Hr	Oil	Gas	Water	Gas/O	il	Well	Status		1	1//	04/6	
Test Date First roduced Test Date Rested Tested Tested Production BBL Gas MCF BBL Oil Gravity Corr. API. Gas Gravity  Thoke Tog. Press. Flwg. Press. SI  Test Date Hours Test Doil Gas MCF BBL Oil Gas Gravity  Water Gas/Oil Ratio  Water BBL Gas/Oil Ratio	Size	Flwg.								Well	Status	1	All	1 1 le	4	9/19
Test Date First roduced Test Date Rested Tested Tested Production BBL Gas MCF BBL Oil Gravity Corr. API. Gas Gravity  Thoke Tog. Press. Flwg. Press. SI  Test Date Hours Test Doil Gas MCF BBL Oil Gas Gravity  Water Gas/Oil Ratio  Water BBL Gas/Oil Ratio	28a. Produ	iction - Inter	rval B	1										-	1'	-/-
ize Flwg. Press. Rate BBL MCF BBL Ratio	Date First Produced	Test Date									vity	Produ	uction M	ethod		
	Choke Size	Flwg.		1					il	Well	Status	;				
	*(See instr		snaces for	additional de	ita on par	ge 2)										

28b. Produ	uction - Inte	rval C	<del></del>				<del></del>				
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	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
28c. Produ Date First	uction - Inter Test Date	rval D Hours	Test	lOil	Gas	Water	Oil Gravity	Gas	Production Method		
Produced	lest Date	Tested	Production		MCF	BBL	Corr. API.	Gravity	Production Method		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
29. Dispos	sition of Gas	Solid, w	sed for fuel, v	ented, etc	:.)		<del>.  </del>				
<del></del>								T-:		<del></del>	
Show a	all important ng depth int	zones of		ontents th			ll drill-stem tests, pressures and	HERMOSA			
					<u> </u>					Тор	
гогт	nation	Top Bottom			Descrip	tions, Content	s, etc.		Name	Meas. Depth	
LEADVIL (LDVL)	LE.	6644'	TD IN LDVL		STONE AND RBEDDED	FEW MUDS	TONES				
		•									
				1							
	ŀ										
					•						
				-					•		
						-					
32. Additi	onal remark	s (include	plugging pro-	cedure).		•				<u> </u>	
Work Su	mmary: 1/2	3/2019 -	2/4/2019		•						
NMOCD Squeeze through p test. Clea Deepene 26" EPD	Aztec officed off the experimental off the experimental officed and out and existed well w/ 4).Ran 2-7/8	e. Received in Rec	red verbal ap nnsylvania p ded Gail Les hoe track in hammer bit t 55 tubing as	oprovals perforation slie Bob, original o new Ti s liner to	to start work ons (6365'- 6 Navajo Insp 5-1/2" casing D of 6705'. L cover open I	<ul> <li>(1/17/2019 fi 376') with 17</li> <li>ector and tes</li> <li>g down to 643</li> <li>ogged with 6</li> </ul>	om David Manki 0 sacks (212 cf) ted 5-1/2" csg F/ 33'. GR/Neutron 6300 , cut liner top at 6	ewisz, BLM. of Class G Ce 6250' – T/ Si -6705'. Perfor	tion & Enforcement, David Mement. Drilled out CICR at 6 urface to 600#, held 30min, 4 rated 6644'-6656' and 6666' 1/2" casing packer on 2-7/8"	300' and cement 45# loss (7.5%), good -6674' (4spf, 0.29" EHD,	
<del></del>								·····			
	4			•		ne appropriate			PT No. of the		
_			I full set req'd.			eologic Report	☐ DST Rep	ort	Directional Survey		
			nd cement veri			ore Analysis	Other:				
34. I heret	•		_		ormation is co	-			able records (see attached instr	uctions)*	
_		mainel DI		TACIO			** 4. ACCENT OF	OWNER			
N	ame (please	Property Fr	ETER E NOT	IDKAI			Title AGENT-GE Date 04/05/2019		·		

(Continued on page 3)

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