Form 3160-4 (June 2015)

*(See instructions and spaces for additional data on page 2)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

														NM	NM136	672	
1a. Type of Well Oil Well Gas Well Dry Other b. Type of Competion New Well Work Over Deepen Plug Back Diff. Zones Hydraulic Fracturing												6. If Indian, Allottee or Tribe Name					
Other:											7. T	7. Unit or CA Agreement Name and No. NMNM 138467					
2. Name of Operator LOGOS Operating, LLC												8. Lease Name and Well No. Federal 2307 07P Com 3H					
3. Address 3a. Phone No. (<i>Include area code</i>) 505-787-2218												9. API Well No. 30-039-31368					
4. Location of Well (Report location clearly and in accordance with Federal requirements)*												10.	10. Field and Pool or Exploratory Basin Mancos				
1288' FSL 337' FEL, SE/SE, P Sec 07, T23N, R7W At surface													11. Sec., T., R., M., on Block and				
													Survey	or Area Se	ec 07, T23N, R7W		
At top prod. interval reported below														or Parish	13. State		
At total depth 65' FSL 156' FWL, Lot 7 Sec 06, T23N, R7W														County			
14. Date Spudded 15. Date T.D. Reached 16. Date Completed 12/16/2018 10/6/2018 □ D & A ☑ Ready to Prod.										726	17. Elevations (DF, RKB, RT, GL)* 7268' GL						
18. Total Depth: MD 13441'										g Set:	g Set: MD TVD						
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored?											Z	☑ No ☐ Yes (Submit analysis)					
Was DST run?												✓ No Yes (Submit report) ? □ No ✓ Yes (Submit copy)					
23. Casing and Liner Record (Report all strings set in well)										у: Ц	NO W] Tes (Subi	ти сору)				
Hole Size			Wt. (#ft.		op (MD)	Bottom (MD)		Stage Cementer Depth		No. of Sks. & Type of Cement		Slurry Vol. (BBL)		Cement Top*		Amount Pulled	
12-1/4"	9-5/8" J-	9-5/8" J-55 36#		0'		328' GL		n/a		101 sks		29 bbls		0' CIR 1		10 bbls	
8-3/4"	7" J-55	7" J-55 23		0,		6424'		2923'		880 sks		258 bbls		0' CIR 3		3 bbls	
6-1/8"	4-1/2" P1	4-1/2" P110 1		6280)'	13428'		n/a		665 sks		161 bbls		6280' CIR 30		30 bbls	
						_											
	+	-		+		-	_										
24. Tubing	Record																
Size	_	Set (MI) Pa	cker Dep	t (MD)	Size		Depth Set	t (MD)	Packer	Depth (MD)	Siz	2	Depth	Set (MD)	Packer Depth (MD)
2-3/8"	ing Interval	896'		6198	3'	2-7/8"	-	6183' 26. Perforation Record									
23. Floduc	Formation			T	ор	Bottom				forated Interval			Size	No. I	Holes		Perf. Status
A) Manco	os			4453' VD		4662' VD		9482'-13342' MD		0.38		" / 2spf 584		open			
B)																	
C)																	
D)	Frankira Tra	atmant	Como	at Canaa	na Post hi	draulic fractu	nin a	ahamiaal.	disalaan	nan on I	- Face Face						
27. Acid, F	Depth Interv		, Cemer	it Squee.	ze, Post ny			nt, Type of N						pload on	FracFoc	us.org	
9482'-133	342' MD			Frac w/	6,808,62	9# 20/40 Ariz	ona	Sand, 1,	538,692	2gals 7	0% Li	inear	Gel N2 F	oam, 5	3,495,	829scf N2	
28. Produc	tion - Interv	al A															
Date First	Test Date	Hours			Oil	Gas		ater	Oil Gra		Ga		Proc	luction	Method		
Produced 12/24/18					BBL 445	MCF BF 4,306 42		BL Corr. A		PI.	I. Gravity		Flowing				
Choke	Tbg. Press.	Csg.	24	Hr.	Oil	Gas	-	Vater Gas/C		We		ell Sta	tus				
Size	Flwg.			Ratio													
49/64	SI 740	-	799	4,306 81		9											
	ction - Inter	val B					_										
Date First Produced	Test Date			st oduction	Oil BBL	Gas MCF	Wa BB	ater RI	Oil Gra Corr. A			Gas Gravity		uction l	Method		
Todaced		Tested		duction	JUL	I I	100	,,,	Con. A	. 1.	GI	uvity					
Choke	Tbg. Press.	Csg.	24	Hr.	Oil	Gas	Wa	ater	Gas/Oi	1	We	ell Sta	tus				
Size	Flwg. SI	Press.	Ra		BBL	MCF	BE		Ratio								
	31		-														

28b. Production - Interval C												
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. Production - Interval D												
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				
29. Disposition of Gas (Solid, used for fuel, vented, etc.)												
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.												
Form	Formation		Bottom		Description	ons, Contents,	etc.		Name	Top Meas. Depth		
Ojo Alam Kirtland	10	1470 1622										
Fruitland Pictured Cliffs		1796 2114										
Chacra Cliff House		2944 3623										
Menefee Point Lookout		3661 4452										
Mancos Gallup		4662 5679										
22 4 114	1	G. J. J.	plugging pro	1								
J. Addition	olariemak	s (menue)	pagging pro-	ecture).								
33. Indicate which items have been attached by placing a check 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 information is complete and correct as determined from all available records (see attached instructions)* Name (please print) Marie E Florez Title Regulatory Specialist												
Signature												
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 12 12, 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 statements or representations as to any matter within its jurisdiction.												

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