Form 3160-4 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR BURFALLOF LAND MANAGEMENT

RECEVED

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

5. Lease Serial No.

BUREAU OF LAND MANAGEMENT NOV 29 2012 WELL COMPLETION OR RECOMPLETION REPORT AND LOG

					····				F	armıngi	ton Fiel	4015		rilla T	ribal #424		
la. Type o			Oil Wo	:11	Gas Well	Dry		Other	Juig	au of L	and Ma	nanem	6, 1		s. Allottee or	r Trib	e Name
b. Турс о	of Completi	on: 🔽	New V	/ell [□ Work Ov	er 🗖 Deepen		Plug Back	i 🔲 Di	ff. Resvr.,		90111	0,00		pache		
			Other;		-								1/. \	init or t	'A Agreeme	ent Na	ime and No.
2. Name o Logos Ca	of Operator apital Man	agem	ent, LL	С					.,,					case N os #2	ame and We	II No.	
3. Address	s 4001 Norti			7101					3a. Phone 505-436		de area coc	le)		Pl We			
4. Locatio				clearly	and in acco	rdance with Fee	deral			-2021	_			043-21 Field a	rd Pool or E	xolor	atory
		•	730' F					,,,,,,	,						W6; Dakot		
At surfa	ice												11.	Sec., T	, R., M., on or Area Sec	Block	cand 2N R5W
6				Sam	ie as above	ð.						•	'	mrcy	th Mich oon	, , , ,	
At top p	rod, interva	l report	ed belov	v									12. (ounty.	or Parish		13. State
— At total a	depth San	ne as a	above.										San	doval			NM
14. Date S	pudded			15. Dat	e T.D. Reacl	ned		16.	Date Com	pleted 11	/02/2012		17. 1	Elevation	ons (DF, RI	 .B. R	T, GL)*
09/28/20				10/04/					□D & A		ady to Proc			1' GL			
18. Total I		D 66 (D	39'		19. 1	Plug Back T.D.:	MI TV	D 6622' /D		2	0. Depth E	ridge Plug		MD CV1			
21. Type I			chanical	Logs R	un (Submit d	opy of each)				2:	2. Was we		ZN	, 🗀	Yes (Subm		
GR/CCL/	CBL/Neut	ron/De	ensity/E	Electric	;					- 1	Was DS Directic	T run? naf Survey?	и [Z] и		Yes (Subm Yes (Subm		
23. Casing	g and Liner	Record	(Repor	t all str	ings set in w	ell)									Tes (Main	. 0.47	
Hole Size	Size/G	rade	Wt. (#	Ti.)	Top (MD)	Bottom (N	dD)		lementer epth	1	f Sks. & f Coment	Slurry (BBI		Cen	ient Top*		Amount Pulled
12-1/4"	8-5/8"	J-55	24#	0		351'		N/A	april .	242	· · · · · · · · · · · · · · · · · · ·	65	·/	surfac	e :	0	
7-7/8"	5-1/2" [P-110	17#	0		6639'		2557', 4	1473'	1076		321		surfac	:e	0	
					· · · · · · · · · · · · · · · · · · ·		•								RCUN I	ını	29:12
															OIL C	ΠM	S. DIÚ
												***				IST	
								<u> </u>									
24. Tubing Size		Set (N	113)	Packer D	Pepth (MD)	Size		Depth Se	et (MD)	Packer De	I (CIbA) dan	Size	——————————————————————————————————————	Dent	h Set (MD)	Т	Packer Depth (MD)
Tot		orted o			ery date.						1				V	\top	
25. Produc				·r					rforation								
A) Upper	Formatic)11		6149	Top o'	Bottom 6220'	-	1 SPF	forated In	lerval	0.43	Size	No. 11 20	oles	open	Per	f. Status
B) Lower				6296		6583'	1 SPF					33					
(')	Dakota			0290) <u> </u>	0000	\dashv	1 355		-	0.43		<u> </u>		open		
D)				·	·· ···						_						
27. Acid, F	racture, Tre	atment	, Cemen	t Squee	ze, ele.										l		
	Depth Inte										d Type of N						
5894'-622	0'					er Dakota and								nesh s	sand,		
6296'-658	2'				<u></u>	26 lbs of 40/7											
0230 -038						er Dakota wit 49 lbs of 40/7								PSI			
28. Product	ion - Interv	al A		Tiollow	red by 30,3	43 103 01 40/7	- VVI	ine saire	ı, and J,	72 1 17013 (OI SIICK-W	ater. All	at 5000	71 31.			
Date First	Fest Date	Hours	l c		Dil.	Gas	Wat		Oil Grav		Gas		ction Mc				
Produced		l'ested	l're	duction	1 13131.	MCF	1381	.,	Corr. Al	ή .	Gravity	lo b	e repor	ed on	1st delive	ry da	ile. Santana
<u> </u>	19 1)	ļ					ļ.,		41 6321		11/11/11		19.	5000	TED F	<u> </u>	
Choke Size	Tbg. Press. Hwg.	Csg. Press.	Ra Ra	Hr. Ic	Oil 13131.	Gas MCF	Wat BBL		Gas/Oil Ratio		Well Stati	s	Į, u.		_	- 64	216
	SI Ü					[1	KOV 2 S	3 6	et blo
28a. Produc	tion Intern	(al D				.L					<u> </u>						
Date First,	Test Date	Hours	Tes	it	Oil	Gas	Wat	er .	Oil Grav	ity	Gas	Produc	tion Me			- X	
Produced		Tested	Pro	duction		MCF	BBI,		Corr. AP	•	Ciravity	ĺ		BY_		-/`	<u>\</u>
			-											-			
Choke	Tbg. Press.		1	Hr.	Oil	Gas	Wat		Gas/Oil		Well Statu	s					
Size	Flwg. Sl	Press.	Rat	_	331.	MCF	13131	,	Ratio]						
	l i	l	-	→	1	[1		1		ŀ						

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

28b. Prod	luction - Inte	erval C											
Date First Produced	l'est Date	Hours Tested	Fest Production	Oil BBU	Gas MCF	Water BBL	Oil Gravity Core, 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					
	uction - Inte		η	1	····		1.:						
Produced		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 BBI	Gas/Oil Ratio	Well Status					
	sition of Gas I back, Gas T		ed for fuel, ver	ited, etc.)									
	·		Include Aquil					31. Formatio	n (Log) Markers				
	ng depth int					ntervals and all d							
		ļ					`			Тор			
Form	nation	Тор	Bottom		Desci	riptions, Content			Name	Meas, Depth			
Ojo Alamo Kirtland		1340 1620											
Pictured Clif Lewis Shale		1853 1944											
Chacra Cliffhouse													
Menefee Point Looko	ut	3413 4102							·				
Mancos Niobrara A		4297 5027		Niobrara	B top 5130, Nic	obrara C top 5247							
Greenhorn Graneros		6093 6140											
Dakota Morrison		6160 6604											
			olugging proce		ne Dakota b	ased on the ro	ock properties.						
33. Indicate	c which iten	ns have bec	an attached by	placing a	check in the a	ppropriate boxes	:						
Electi	rical/Mechan	nical Logs (l fufl set req'd.)	□ G	eologic Report	☐DST Rep	ort [Directional Survey				
Sund	ry Notice for	plugging a	nd cement veri	lication	□¢	ore Analysis	Other:						
				ned inform	ation is comp	lete and correct a			ords (see attached instructions)*				
		,/	ty Graham				itle Director of	Administration	and Engineering Support				
Sig	nature	Sho	2-8				Date 11/21/2012						
						rerime for any p or within its juri		nd willfully to m	nke to any department or agency o	The United States my			

CORFIDENTIAL

Form 3160-4 (March 2012)

la. Type of Well

At surface

14. Date Spudded

18. Total Depth:

09/28/2012

Hole Size

Tubing Record

To be 25. Producing Intervals

A) MesaVerde

4061'-4071'

Date First

Produced

Date First

Produced

Choke

Size

Choke

Size

11/12/12

13) (,) 10)

12-1/4

7-7/8"

Oil Well

b. Type of Completion: New Well

2. Name of Operator Logos Capital Management, LLC

3. Address 4001 North Butter, Building 7101

At top prod, interval reported below

At total depth Same as above

MD

TVD

GR/CCL/CBL/Neutron/Density/Electric

Size/Grade

8-5/8" J-55

5-1/2" P-110

Depth Set (MD)

reported on

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Hours

Csg.

Press

Hours

Csg.

Press

Tested

Tested

Test

24 Hr.

Rate

l'est

24 Hr.

Rate

Production

Production

13131.

1.2

⊃iI

सस.

4.8

TiC

BB1,

Ōil

13131.

Formation

Depth Interval

28. Production - Interval A

Test Date

11/12/12

Tbg. Press.

l'est Date

Tbg. Press.

Flwg.

Flwg.

28a. Production - Interval B

1930' FSL & 730' FEL

6639

23. Casing and Liner Record (Report all strings set in well)

24#

17#

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Wt. (#/ft.)

Gas Well

4. Location of Well (Report location clearly and in accordance with Federal requirements)?

Same as above.

15. Date T.D. Reached

Top (MD)

10/04/2012

0

Packer Depth (MD)

1st delivery date.

4061'

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

Dry

19. Plug Back T.D.:

351

6639

Bottom

Acid Stimulation. Pumped 500 gal of 15% HCL

MCF

MCF

MCF

Gas

MCF

TSTM

TSTM

4071

Bottom (MD)



FORM APPROVED ОМВ NO. 1004-0137

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	29	2012
WELL COM LETION ON NECOMI LETION NEI ON AND LOG		

Other

6622

Depth

2557', 4473'

N/A

3 SPF

Water

BBL

1.8

Water

BL.

7.2

Water

BBL.

Water

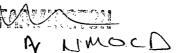
BBI.

MD

TVD

Expires: October 31, 2014 5. Lease Scrial No. Jicarilla Tribal #424 Farmington Field Offic 6. If Indian, Allottee or Tribe Name Bureau of Land Manager Jicarilla Apache Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. 7. Unit or CA Agreement Name and No. 8. Lease Name and Well No. Logos #2 la. Phone No. (include area code) 9. API Well No. 505-436-2627 30-043-21120 10. Field and Pool or Exploratory Venado MesaVerde 11. Sec., T., R., M., on Block and Survéy or Area Sec. 6, T22N, R5W 12. County or Parish 13. State Sandoval NM 16. Date Completed 11/02/2012 17. Elevations (DF, RKB, RT, GL)* □D & Λ 6901' GL Ready to Prod. 20. Depth Bridge Plug Set: MD TVD Was well cored? Was DST run? ☑ No ☐ Yes (Submit report) Directional Survey? Z No Yes (Submit copy) No. of Sks & Slurry Vol. Stage Cementer Cement Top* Amount Pulled Type of Cement TRIBLA 242 65 surface 0 1076 321 surface RCVD NOV 29'12 OIL CONS. DIV DIST. 3 Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Perforation Record Perforated Interval No. Holes Perf. Status Size 0.43" 30 open Amount and Type of Material Oil Gravity ias Corr. API Gravity Swabbing. To be reported on 1st delivery date. ias/Oil Well Status Production McHodOEPTED FOR MECORD Dil Gravity Corr. API Gravity NOV 2 9 2012 Jas/Oil Well Status FARMINGTON FILLD OFFICE

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



Ratio

Ratio

										
28b. Prod Date First	luction - Into Fest Date	llours	l'est	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced	rest ivate	Tested	Production	BBL	MCF	BBI,	Corr. API	Ciravity	i roatettai Menat	
Choke	Tbg. Press.	.Csg.	24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status		
Size	Flwg. SI	Press.	Rate	13131.	MCF	13131,	Ratio			
28c. Prod	luction - Into	rval D_								<u> </u>
Date First	Test Date	Hours	l'est	Oil	Gas	Water	Oil Gravity	Cias	Production Method	
Produced		Pested	Production	13131,	MCF	13131.	Согг. АРІ	Gravity		
Choke Size	l'bg, Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
3120	SI	iricas,	IC.IIC	,,,,,	IVIV. I	,,,,	Katto			
20 Dim			I Control	1	<u> </u>					
	smon of Gas Lback, Gas T		sed for fuel, ve	mea, eic.	,					
30 Sum	arey of Poro	ne Zonce	(Include Aqui	Core V:				3.1 Evenuet	ion (Log) Markers	
	·		•					S1. Politik	ion (rog) warkers	
						intervals and all ing and shut-in p				
recover		CIVIII (CSC)	u, cusmon usc	a, mac te	or open, now	ing and snut-in p	ressures and			
										7
Forn	nation	Top Bottom			Des	criptions, Conten	ts, etc.		Name	Тор
					·	· 				Meas, Depth
Ojo Alamo Kirlland		1340 1620		1						
Kirusiwi		1020								
Pictured Clil Lewis Shale		1853 1944								
Chacra Cliffhouse		2276 3375								
Menefee Point Looko	ut	3413 4102								
Mancos		4297	1							
Niobrara A		5027		Niobra	ra B top 5130, N	liobrara C top 5247				
Greenhorn Graneros		6093 6140			٠					
Dakola Morrison		6160 6604								
32. Additio	onal remarks	(include	L plugging proce	_L :dure):						<u>, I,</u>
		, ,	. 65 61							
33 Indicat	e which iten	is have bee	en attached by	nlacino	check in the	appropriate boxe	۷٠			
_				-					_	
		=	1 full set req'd.			Geologic Report	DST Re	port	☐ Directional Survey	
Sund	ry Notice for	plugging a	ind cement veri	fication	·	Core Analysis	Other:			
34. I hereb	y certify tha	t the foreg	oing and attacl	hed infor	nation is com	plete and correct	as determined from	ı all available re	eords (see attached instructions)*	
Na	me (please j	orint), Kris	sty Graham				Title Director o	f Administration	on and Engineering Support	
	gnature	. /		بالدر			Date 11/21/2012			
Title 18 U.S	S.C. Section	1001 and	Tide 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
						tter within its jur		* ***		

