RECEIVED

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOV 2 2 2017 FORM APPROVED OMB NO. 1004-0137

Expires: January 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG Farmington Field Office

Bureau of Land Managers and Managers

Control of the Contro						101 GG		Williamon	100	-		
1a. Type of V		Oil Well	☐ Well		Other	CC 7		-l'-Et-i	- 1	If Indian, A	Allottee or	Tribe Name
b. Type of C		New Well Other:	Work Over	Deepen .	Plug Back Dif	ff. Zone:	s <u> </u>	ulic Fracturin	7.	Unit or CA MNM13632		ent Name and No.
2. Name of C	perator rgy Production	on IIC								Lease Nan		ll No.
3. Address							iclude area co	ode)	9.	API Well N	No.	
PO Box 64		c, NM 87		dance with Feder	505-333-18 al requirements) *	316				-045-35796 Field and		xploratory
	1 Well (Report toe	anon cieur	iy una in accor	иинсе шин гецен	ai requirements)				Ba	sin Mancos		
At surface SHL: 271' FS	SL & 410' FEL SE	EC 18 23N	8W							Sec., T., F Survey or 23N 8W		Block and
	SL & 337' FEL SE								12.	County or n Juan	Parish	13. State NM
At top prod. 1	nterval reported b	elow At tot	al depth									
14. Date Spuc 5/31/17	dded	15. Dat 6/20/17	te T.D. Reached	1	16. Date Comp □D &		8/10/17 ☐Ready to Pr	rod.	17. 689		s (DF, RK	B, RT, GL)*
18. 7	Total Depth: 115	90' MD 85' TVD		19. Plug Back T.	D.: 11539' MD 4985'TVD		20. Depth B	ridge Plug S		D TVD		
21. Type Elec CBL	tric & Other Mech	nanical Log	s Run (Submit	copy of each)			22. Was well Was DS				Yes (Subm Yes (Subm	nit analysis) nit report)
				NOTICE AND ADDRESS OF THE PARTY			Direction	nal Survey?	DE	No E	Yes (Subm	nit copy)
Form 3160-4 (June 2015)	1		UNI	TED STATES	S			CCE TO	120	2017		
23. Casing and	Liner Record (Re	eport all str	ings set in well)				FARMING	TON	ED OFF	ICE	
Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	N	o. of Sks. & pe of Cement	BY Slurry V (BBL	/ol.	Cement	Гор*	Amount Pulled
12-1/4"	9-5/8", J-55	36	0	327'	Dopui	101	po or comen	162		surface		
8-3/4"	7", J-55	23	0	5656'		800		1368		TOC 400'		
6-1/8"	4-1/2", P-110	11.6	5510′	11587'		575		780		5510′		
24. Tubing l		I Posto	- D+ (1 (D)	G:	D4 C-+ O(D)	D1	D 4 0 (D)	0:-		D 4	0-+ 0 (D)	De tes Dest (AM)
Size 2-7/8",6.5#,1	Dept Set (MD) L- 5506'	Раске	r Dept (MD)	Size	Depth Set (MD)	Pack	ter Depth (MD)	Siz	e	Depth	Set (MD)	Packer Depth (MD)
80 EUE 8rd												
25. Producir					26. Perforation R							
Mancos 30th	Formation		Top	Bottom	Perforated 5658'-5809'	Interva		Size		Holes		Perf. Status
Mancos 29th			5658'	11518′	5858'-6011'		.32		20 20			
Mancos 28th	1				6060'-6213'		.32		20		-	
Mancos 27th					6262'-6415'		.32		20			
Mancos 26th	1				6464'-6617'		.32		20			
Mancos 25th				-	6666'-6819'		.32		20			
Mancos 24th					6868'-7021'		.32		20		-	
Mancos 23rd					7070'-7223'		.32		20			
Mancos 22 nd					7272'-7425'		.32		20			
Mancos 21st					7474'-7627'		.32		20			
Mancos 20th	ı				7676'-7829'		.32		20			
Mancos 19th					7878'-8031'		.32		20			
Mancos 18th					8080'-8233'		.32		20			
Mancos 17th					8282'-8435'		.32		20			
Mancos 16th					8484'-8637'		.32		20			
Mancos 15th	ı				8686'-8839'		.32		20			
Mancos 14th	l				8884'-9041'		.32		20			
Mancos 13th	l				9090'-9243'		.32		20			
Mancos 12th					9292'-9445'	V	32		20			1

Mancos 11th	9494'-9647'	.32	20	
Markos 10th	9696'-9849'	.32	20	·
Mancos 9th	9898'-10051'	.32	20	
Mancos 8th	10100'-10253'	.32	20	
Mancos 7 th	10302'-10455'	.32	20	
Mancos 6 th	10508'-10657'	.32	20	
Mancos 5 th	10706'-10859'	.32	20	
Mancos 4 th	10908'-11061'	.32	20	
Mancos 3 rd	11110′-11263′	.32	20	
Mancos 2 nd	11312′-11465′	.32	20	
Mancos 1 st	11514′-11518′	.32	8	

Mancos 1st	11514'-11518' .32 8
27. Acid, Fracture, Treatment, Cem	nent Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org
Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org
5658'-5809'	MC 30 th stage with 204800#, 20/40 PSA Sand
5858'-6011'	MC 29 th stage with 205500#, 20/40 PSA Sand
6060'-6213'	MC 28 th stage with 205700#, 20/40 PSA Sand
6262'-6415'	MC 27 th stage with 203700#, 20/40 PSA Sand
6464'-6617'	MC 26 th stage with 203830#, 20/40 PSA Sand
6666'-6819'	MC 25 th stage with 207000#, 20/40 PSA Sand
6868'-7021'	MC 24 th stage with 206000#, 20/40 PSA Sand
7070'-7223'	MC 23 rd stage with 203500#, 20/40 PSA Sand
7272'-7425'	MC 22 nd stage with 205000#, 20/40 PSA Sand
7474'-7627'	MC 21 st stage with 203000#, 20/40 PSA Sand
7676'-7829'	MC 20 th stage with 204000#, 20/40 PSA Sand
7878'-8031'	MC 19 th stage with 203800#, 20/40 PSA Sand
8080'-8233'	MC 18 th stage with 204380#, 20/40 PSA Sand
8282'-8435'	MC 17 th stage with 205500#, 20/40 PSA Sand
8484'-8637'	MC 16 th stage with 205300#, 20/40 PSA Sand
8686'-8839'	MC 15 th stage with 204620#, 20/40 PSA Sand
8884'-9041'	MC 14 th stage with 204200#, 20/40 PSA Sand
9090'-9243'	MC 13 th stage with 204200#, 20/40 PSA Sand
9292'-9445'	MC 12 th stage with 203000#, 20/40 PSA Sand
9494'-9647'	MC 11 th stage with 203500#, 20/40 PSA Sand
9696'-9849'	MC 10 th stage with 205000#, 20/40 PSA Sand
9898'-10051'	MC 9 th stage with 211280#, 20/40 PSA Sand
10100'-10253'	MC 8 th stage with 205100#, 20/40 PSA Sand
10302'-10455'	MC 7 th stage with 204000#, 20/40 PSA Sand
10508'-10657'	MC 6 th stage with 207200#, 20/40 PSA Sand
10706'-10859'	MC 5 th stage with 208920#, 20/40 PSA Sand
10908'-11061'	MC 4 th stage with 206350#, 20/40 PSA Sand
11110'-11263'	MC 3 rd stage with 204700#, 20/40 PSA Sand
11312'-11465'	MC 2 nd stage with 211000#, 20/40 PSA Sand
11514'-11518'	MC 1st stage with 44510 # 20/40 PSA Sand

28.Produc	tion - Interv	al A								
Date First Produced 8/14/17	Test Date 8/14/17	Hours Tested 24 hr	Test Production	Oil BBL 212	Gas MCF 102	Water BBL 195	Oil Gravity Corr. API.	Gas Gravity	Production Method Flowing	
Choke Size 40/64"	Tbg. Press. Flwg. SI 207	Csg. Press. 700	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Producing		
28a. Produ Date First	uction - Inte		Imt	0:1	Idea	777-4	loit Comite	To	Descharties Mathed	
Produced 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		
*(See instr	uctions and	spaces for	additional da	ita on pag	ge 2)					100000000000000000000000000000000000000
	iction - Inter									
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	l ction - Inter	val D								
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method	
Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status		
20 Di	:+:	/C - 1: 1	16.6.1		,					
			ed for fuel, ve		.)				n (Log) Markers	
Show al includin recoveri	ng depth inte	zones of po rval tested,	rosity and co cushion used	ntents the	ereof: Cored in ol open, fl	and shut-in	drill-stem tests, pressures and			Тор
Forma	ation	Top Bottom MD TVD		1	Des	criptions, Cont	ents, etc.		Meas. Depth	
OJO	ALAMO	718	3 7	18						
KIRT	TLAND	865	8	63						
PICTUR	ED CLIFFS	133	5 13	28						
LE	EWIS	156	8 15	56						
CH	ACRA	176	1 17	44						
CLIFF	HOUSE	2891 2846		46						
ME	NEFEE	2918 287		72						
POINT	LООКОUT	386	1 37	93						
MA	NCOS	403	6 39	64						
GA	LLUP	439	7 43:	17						
32. Additio	nal remarks	(include p	lugging proc	edure).						
33. Indicate	e which iten	ns have bee	en attached b	v placing	a check in th	e appropriate b	oxes:			
			full set req'd.)			eologic Report	□DST Report		^{≥1} ☑Directional Survey	
			d cement verifi			ore Analysis	Other:			
34. I hereby	y certify tha	t the forego	oing and attac	ched info	rmation is co	mplete and cor	rect as determined f	from all availab	ole records (see attached instruc	ctions) *
Na	me (please p	print) Mar	ie E Flores	15	Anne	7	Title Permit Tech	Ш		
Sig	gnature	V\	1 mm	$\wedge X$	WI		Date 11/9/17			

. OIL CONS. DIV DIST. 3

RECEIVED

AUG 29 2017

Oil Well

Well

1a. Type of Well

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

Dry

Other

AUG 2 3 2017

FORM APPROVED OMB NO. 1004-0137

Expires: January 31, 2018

6. If Indian, Allottee or Tribe Name

WELL COMPLETION OR RECOMPLETION REPORT AND LOGICIED Office

ORFaANDLOGield Office 5. Lease Serial No. Bureau of Land Management NMNM 136159

b. Type of C	•	New Well Other:	☐ Work Ove	r Deepen II	Plug Back Diff	. Zone	s <u> </u>	lydrau	ilic Fracturing		Unit or INM13		ent Name and No.	
2. Name of C	perator gy Production	n. LLC										Name and We	ell No.	
3. Address				***************************************	3a. Phone l		nclude are	a co	de)	1	API We			
PO Box 64		, NM 8		and an an amidle Endow	505-333-18	16					045-35	796 ind Pool or E	vnloretory	
4. Location o	li di										in Man		xpioratory	
CONFILIENTIAL											11. Sec., T., R., M., on Block and Survey or Area			
	SL & 337' FEL SE				COMM	1		9 644			Count	y or Parish	13. State	
At top prod. is	nterval reported be	elow At to	otal depth								n Jua		NM	
14. Date Spuc 5/31/17	lded	15. D 6/20/2	ate T.D. Reach	ed	16. Date Comp ☐D & A		8/10/17 Ready t	to Pr	od.	689	6'	ions (DF, RK	IB, RT, GL)*	
18. 7	Total Depth: 115 498	90' MD 35' TVD		19. Plug Back T.	D.: 11539' MD 4985'TVD		20. Dept	th Br	idge Plug Se		D			
	tric & Other Mech	nanical Lo	gs Run (Subm	it copy of each)			22. Was	well	cored?	\boxtimes			nit analysis)	
CBL									run?			Yes (Subr	1 /	
							Dire	ction	al Survey?		No	Yes (Subn	nit copy)	
				_					4					
Form 3160-4	1		ID	NITED STATES	1									
(June 2015)			UI	MIED STATES	•									
23. Casing and	Liner Record (Re	eport all s	trings set in we	ell)										
Hole Size	Size/Grade	Wt. (#ft.	T		Stage Cementer Depth	N	lo. of Sks. & pe of Ceme	&	Slurry Vo (BBL)	ol.	Cement Top*		Amount Pulled	
12-1/4"	9-5/8", J-55	36	0	327'	Depth	101			162	_	surface			
8-3/4"	7", J-55	23	0	5656'		800			1368		TOC 400'			
6-1/8"	4-1/2", P-110	11.6	5510'	11587'		575			780	5510'				
24. Tubing l	Record													
Size	Dept Set (MD)	Pacl	cer Dept (MD)	Size	Depth Set (MD)	Pack	cer Depth (N	MD)	Size		De	pth Set (MD)	Packer Depth (MD)	
2-7/8",6.5#,I 80 EUE 8rd	5606′													
25. Producir					26. Perforation R									
Mancos 30th	Formation		Top	Bottom	Perforated		22	Size No. Holes		Holes		Perf. Status		
Mancos 29th			5658'	11518′	5658'-5809'			.32			_	_		
Mancos 28th					5858'-6011'			.32			4.0			
Mancos 27th					6060'-6213' 6262'-6415'		-	.32	2		AC	CEPTED	FOR RECORD	
Mancos 26th					6464'-6617'			.32	2					
Mancos 25th				-	6666'-6819'			.32	2			Alla 2	5 2017	
Mancos 24th					6868'-7021'			.32	2		FAR	MNG ON	CHILDOS	
Mancos 23rd					7070'-7223'			.32	2		BY:		LD OFFICE	
Mancos 22 nd					7272'-7425'									
Mancos 21st					7474'-7627'			.32 20				- V		
Mancos 20th					7676'-7829'			.32	2					
Mancos 19th					7878'-8031'			.32	2		_			
Mancos 18th					8080'-8233'			.32	2					
Mancos 17th					8282'-8435'			.32	2					
Mancos 16th				-	8484'-8637'			.32	2	_				
Mancos 15th					8686'-8839'			.32	2					
Mancos 14th					8884'-9041'			.32 .32	2					
Mancos 13th				NMOC	9090'-9243'			.32	2					
Mancos 12th				2	9292'-9445'			.32	. 2					
		1			5252 5445		1.	.02	1	U				

		•		
Mancos 11th	9494'-96	547' .32	20	
Marcos 10th	9696'-98		20	
Mancos 9th	9898'-10		20	·
Mancos 8th	10100′-1		20	
Mancos 7th	10302'-1		20	
Mancos 6th	10508'-1		20	····
Mancos 5 th	10706'-1		20	
Mancos 4th	10908'-1		20	
Mancos 3 rd	11110'-1	1.02	20	
Mancos 2 nd	11312'-1		20	· · · · · · · · · · · · · · · · · · ·
Mancos 1 st	11514'-1		8	
	Cement Squeeze, Post hydraulic fracturing chemical d	1.02	<u> 0</u>	
Depth Interval		faterial and Date of Chemical Dis	losure upload on FracFocus.org	· · · · · · · · · · · · · · · · · · ·
5658'-5809'	MC 30th stage with 204800#, 20/40 PSA Sa	and		
5858'-6011'	MC 29th stage with 205500#, 20/40 PSA Sa	and		
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6666'-6819'	MC 25th stage with 207000#, 20/40 PSA Sa	and		
6868'-7021'	MC 24 th stage with 206000#, 20/40 PSA Sa	and		
7070'-7223'	MC 23 rd stage with 203500#, 20/40 PSA Sa	ınd		
7272'-7425'	MC 22 nd stage with 205000#, 20/40 PSA Sa	and		
7474'-7627'	MC 21st stage with 203000#, 20/40 PSA Sa	nd		
7676'-7829'	MC 20th stage with 204000#, 20/40 PSA Sa	ınd		
7878'-8031'	MC 19th stage with 203800#, 20/40 PSA Sa	ınd		
8080'-8233'	MC 18th stage with 204380#, 20/40 PSA Sa	ınd		
8282'-8435'	MC 17th stage with 205500#, 20/40 PSA Sa	ind		
8484'-8637'	MC 16 th stage with 205300#, 20/40 PSA Sa	ind		
8686'-8839'	MC 15th stage with 204620#, 20/40 PSA Sa			
8884'-9041'	MC 14 th stage with 204200#, 20/40 PSA Sa			
9090'-9243'	MC 13th stage with 204200#, 20/40 PSA Sa			
9292'-9445'	MC 12th stage with 203000#, 20/40 PSA Sa			
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9898'-10051'	MC 9th stage with 211280#, 20/40 PSA San	 		
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10908'-11061'	MC 4th stage with 206350#, 20/40 PSA San			
11110'-11263'	MC 3 rd stage with 204700#, 20/40 PSA San			
11312'-11465'	MC 2 nd stage with 211000#, 20/40 PSA Sar			
11514'-11518'	MC 1st stage with 44510 # 20/40 PSA Sand			

28.Produc	ction - Interv	al A								
Date First Produced 8/14/17	Test Date		Test Production	Oil BBL 212	Gas MCF 102	Water BBL 195	Oil Gravity Corr. API.	Gas Gravity	Production Method Flowing	
Choke Size 40/64"	Tbg. Press. Flwg. SI 207	Csg. Press. 700	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status Producing		
	uction - Inte			To:		less.	lana i			
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		
(See instr	ructions and	spaces for	additional da	ata on pag	ge 2)					
	uction - Inte		le .	Tou			Tour o			
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		
	iction - Inter		I.T.	lo:		127	10:1.0	To.	Destards North	
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		
recover			cushion used				pressures and			Тор
Form	ation	Top MD	Botton TVD	n	Des	scriptions, Cont	tents, etc.		Name	Meas. Depth
OJO	ALAMO	718		18						
KIR	TLAND	865		63						
PICTUR	RED CLIFFS	133		28						
	EWIS	156	17	56						
	IACRA	176	20							
	FHOUSE	289	20							
	NEFEE	291	27							
	LOOKOUT	386	20							
	ANCOS	403	42							
2. Additio	onal remarks	s (include p	lugging proc	edure).					2	
Indicat	te which iter	ns have bee	en attached b	y placing	a check in th	ne appropriate l	boxes:			
Elec	trical/Mechan	nical Logs (1	full set req'd.)		□G	eologic Report	☐DST Report		☑Directional Survey	
Sund	dry Notice for	plugging an	d cement verif	ication	ПС	ore Analysis	☐Other:			
4. I hereb	by certify that	at the forego	oing and atta	ched info	rmation is co	omplete and cor	rrect as determined	from all availal	ble records (see attached instru	ctions) *
Na	ame (please	print) Lac	ey Granillo	2			Title Permit Tech	Ш		
Si	gnature (VXV	() () X				Date 8/23/17			