Fonn 3160-4

SI

## UNITED STATES

TORD APPROMED

EURZAU OF LAND MANAGEMENT

CARLSBAD FIELD OFFICE

7

(August 2007)			DEPAR BUREA						NMO	CD 4	DTE	1014	OM Expi		004-0137 · 31, 2010
	WELL (	COMPL	ETION C	R RE	COM	PLETI	ON R	EPORT	AND LOC	5	WIIIE	-5-L	ase Serial I IMLC0499		
1a. Type o	FWall =	Oil Wali	☐ Gas `	Wall	<u> </u>		Other	<del></del>			<del></del>	<u></u>			Tribe Name
	f Completion			Weii	Dr.		Deepen	Plu;	n Back 👝	Dıff, Re	CVF	0. 11	muian, An	ottee or	Title Name
o. Type o	i Completion	Other			- OVEI			U 1 10;	g Back	Dill. K¢	SVI	7. U	nit or CA A	greeme	ent Name and No.
2. Name of COG C	f Operator OPERATING	LLC	E	-Mail: o				AARON ces.com	•		-		ease Name : OSTER E		
3 Address	550 WES MIDLAND			SUITE	1300	3a. Phone No (include area code) Ph: 432-818-2319					9 API Well No 30-015-39213-00-S1				
		7 T17S R3	on clearly ar 31E Mer NI 310FNL 16	MP	ordanc	e with Fe	deral rec	quirements	**** MAR	LLOC	زما	1	EDAR LA	KE G	Exploratory IOR-Yeso
At surfa	orod interval i			DUFEL								11. 3	Sec., T., R , r Area Se	M , or c 17 T	Block and Survey 17S R31E Mer NMP
At total		•											County or P	arish	13. State NM
14 Date S 09/18/2				ate T D. /27/201		ed ·		16 Date D & 11/0	e Completed A Rea 1/2011	dy to Pro	od.	17.		DF, KE 30 GL	3, RT, GL)*
18. Total I	Depth:	MD TVD	6320 6320		19. P	lug Back	T.D·	MD TVD	6182 6182			pth Bri	dge Plug Se		MD TVD
CÔMP	Electric & Oth NEUTSPEC	TRA CCL	-			y of each	n)		22.	Was we Was Directi	ST run?	d? rvey?	<b>₹</b> No	∺ Yes	(Submit analysis) (Submit analysis) (Submit analysis)
23. Casing a	nd Liner Rec	ord (Repo	rt all strings	_									r-		
Hole Sıze	Sıze/G	irade	Wt (#/ft.)	To <sub>l</sub> (MI	- 1	Bottom (MD)	1 -	: Cementer Depth	No. of Sk Type of Ce		Slurry (BE		Cement 7	Гор*	Amount Pulled
17.500	13.3	375 H-40	48.0		0	37	'2			1050				0	
11.000	8.6	625 J-55	32.0		0	181	2			654				0	
7.875	5 5.5	500 J-55	17.0		0	631	6			1000				0	
				ļ <u> </u>											
	<u> </u>			<u> </u>											
24 Tubing Size	g Record  Depth Set (N	4D)   Po	icker Depth	(MD)	Size	De	pth Set (	MD) I i	Packer Depth (	MD) T	Size	D <sub>4</sub>	pth Set (M	<u>n, T</u>	Packer Depth (MD)
2.875		6017	ickei Depui	(IVID)	5120	, DC	pui sei (	IVID) I	acker Deptil (	WID)	Size	+ 100	pui set (M.	<del>D)</del>	Packer Depth (MD)
	ing Intervals	0017			<u> </u>		6 Perfo	ration Rec	ord						
	ormation		Тор		Botto	om		Perforated	Interval	1	Size		No. Holes	_	Perf. Status
A)		YESO	<del>.</del>	4800		6100			4800 TO 5	050	0.3			OPE	N, Paddock
B)	_	_	- · · · · -			_			5215 TO 5	510	0.3	40	28	OPE	N, Upper Blinebry
C)		1							5580 TO 5	805	0.3	40		+	N, Middle Blinebry
D)									5875 TO 6	100	0.4	10	26	OPE	N, Lower Blinebry
27. Acid, F	racture, Treat		nent Squeez	e, Etc.				A	mount and Ty	ne of Ma	iterial		DECI	. A N	AATION
			50 ACIDIZI	ED W/31	00 GAL	S 15% H	CL							5-1	-12
	48	300 TO 50	50 FRAC V	V/101,65	2 GALS	GEL, 10	7,211# 1	6/30 WHIT	TE SAND, 26,7	56# 16/30	CRC				
	52	215 TO 55	10 ACIDIZI	ED W/35	00 GAL	S 15% H	CL						ACCE	nta	d for io : 1
			10 FRAC V	V/114,45	0 GALS	GEL, 14	5,471# 1	6/30 WHIT	TE SAND, 32,5	12# 16/30	CRC.		<del>- 1000</del>	<del>- 110</del>	<del>010110001</del>
	tion - Interval													VIV	10CD/197/10
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Ga M		Water BBL	Oil G Corr		Gas Gravity		Product	ion Method		10 11-11
11/10/2011	11/10/2011	24		125	0	180.0	550	0	35.9		60 %	ነጣና	~ MELECTE	(IC <b>Ț</b> PŲĬN	NEINCIDNIL UKU
Choke	Tbg Press	Csg	24 Hr	Oil BBL	Ga Me		Water BBL	Gas C Ratio		Well Stat	us .	أرأر	ILL		H NEGUNE
Size	Flwg 70 SI	Press 70 0	Rate	125		180	550			PC	w				
28a. Produ	ction - Interva						L		<b></b>	1	-				
Date First	Test	Hours	Test	Oıl	Ga		Water		ravity	Gas	+	Product	ion Melflor	3 1	26ti -
Produced	Date	Tested	Production	BBL	M	CF	BBL	Corr	API	Gravity			0.0	j'	Ì
Choke	Tbg Press	Csg	24 Hr	Oil	Ga	ıs	Water	Gas (	Dil	Well Stat	us	L	1	m	
Size	Flwg	Press	Rate	BBL	М		BBL	Ratio				DA	DE ALL DE	LAMD	MANAGEMENT

,													
28b. Prod	luction - Inter	val C											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF		Oil Gravity Corr API	Gas Gravity	Production Method				
Choke	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oıl BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status					
28c. Prod	luction - Inter	val D				J							
Pate First roduced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method	· · · · · · · · · · · · · · · · · · ·			
Choke ize	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status					
29. Dispo	osition of Gas O	Sold, used	for fuel, ven	ted, etc.)	<u> </u>	1			<u> </u>				
30. Sumr	nary of Porou	s Zones (In	clude Aquife	ers)	<del></del>			[ 31.	Formation (Log) M	arkers			
tests,	all important including dep ecoveries.	zones of po th interval	orosity and c tested, cushi	ontents ther on used, tim	eof: Cored ine tool open	ntervals and , flowing and	l all drill-stem d shut-in pressures						
Formation			Тор	Bottom		Descriptions, Contents, etc.			Name Me				
44 A 5580	RES	e, Treatme ized w/350	ent, Cement 00 gals 15%	Squéeze, HCL.	DO DO SA DO DO SECTION OF THE PROPERTY OF THE	LOMITE & ND & DOL' LOMITE &	ANHYDRITE		RUSTLER TANSILL YATES SAN ANDRES GLORIETA YESO TUBB	285 1425 1532 3164 4677 4765 6175			
	64# 16/30 CI		o galo gol,	. 10,011 1	oros viriles	Junu,							
5875	- 6100 Acid	ized w/350	00 gals 15%	HCL.									
1. El	e enclosed att ectrical/Mech undry Notice f	anical Log	•	• ,		Geologie     Core An		3. DST 7 Other	-	4. Directional Survey			
		Co	Electrommitted to	ronic Subm Fo	ission #126 r COG OP	313 Verifie ERATING	d by the BLM We LLC, sent to the S (JIM) HUGHES	ell Information Carlsbad S on 12/20/201	1 System. 1 (12JLH0210SE)	tached instructions)			
Nam	e (please prini	NE IHA	AAKUN				Title AU	THORIZED F	REPRESENTATIV	/L			
	Signature (Electronic Submission)							Date 12/20/2011					

## Additional data for transaction #126313 that would not fit on the form

## 32. Additional remarks, continued

5875 - 6100 Frac w/116,846 gals gel, 145,027# 16/30 White sand, 25,192# 16/30 CRC

LOGS WILL BE MAILED