OCD Artesla

Form 3160-4 (August 2007)

NMOCD ABTE SUNITED STATES NMOCD ABTERINENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137

	BUREAU OF LAND MANAGEMENT													Expires: July 31, 2010				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG													5. Lease Serial No. NMLC028784A					
1a. Type of Well □ Gas Well □ Dry □ Other □ Other □ Other □ If Indian, Allottee or Tribe Name																		
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr. Other NN												nit or CA A	nit or CA Agreement Name and No. MNM88525X					
2. Name of COG O	Operator PERATING	LLC	E	-Mail:	cjacks	Contac son@co		ASITY JA .com	CKS	NC				ease Name BURCH KE		ell No. JNIT 936H		
3. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE 3a. Phone No. (include area code) Ph: 432-686-3087 9. API Well No. 30-015-40888-00-S1 4. Location of Well (Report location clearly and in accordance with Federal requirements)* 10. Field and Pool, or Exploratory													S1					
			-	d in ac	corda	nce with	Feder	al requirer	nents))*						Exploratory GLORIETA-U		
At surface SWSW 990FSL 330FWL At top prod interval reported below SWSW 990FSL 330FWL 11. Sec., T., R., M., or Block and Survey or Area Sec 13 T17S R29E Mer NM													rvey er NMP					
At total depth SESE 959FSL 352FEL 12. County or Parish EDDY 13. State NM																		
14. Date Spudded 06/02/2013 15. Date T.D. Reached 06/02/2013 16. Date Completed 17. Elevations (DF, KB, RT, GL)* 3614 GL 17. Elevations (DF, KB, RT, GL)* 3614 GL																		
18. Total D	epth:	MD TVD	9275 4885		19.	Plug Ba	ck T.I		íD VD	92	10	20. I	Depth Br	idge Plug S		MD TVD		
21. Type El COMPE	lectric & Oth ENSATEDN	er Mechan EUT SPE	ical Logs R CGR	un (Su	bmit c	opy of e	ach)					well co DST ru ctional	n?	X No X No □ No	☐ Ye: ☐ Ye: ☑ Ye:	s (Submit anal s (Submit anal s (Submit anal	ysis) ysis) ysis)	
23. Casing an	nd Liner Reco	ord (Repor	rt all strings	set in	well)									~				
Hole Size	Hole Size Size/Grade Wt				op ID)	Bottom (MD)		Stage Cementer Depth			1		ry Vol. BBL)	I Cement I		Amount P	ulled	
17.500	13.3	75 H-40	48.0	<u> </u>	0		265				40	00		 	0			
12.250		25 J-55	40.0		0		112				60	00		ļ	0			
8.750	1	00 L-80	26.0		0	_	382					_			-			
7.875	5.5	00 L-80	17.0		4382		262				125	50			0			
24. Tubing	Record													J		<u> </u>		
	Depth Set (M	(D) Pa	cker Depth	(MD)	Si	ze	Depth	Set (MD)	P	acker De	pth (MD)	Siz	e D	epth Set (M	D)	Packer Depth	(MD)	
2.875		4492																
25. Producir	ng Intervals						26. I	Perforation	Reco	ord								
Fo	ormation		Тор	Вс	ttom	Perfo	Perforated Interval			Size		No. Holes		Perf. Status				
<u>A)</u>	Y	'ESO		5383		9108				5383 T	O 9108	C	.430	324	OPE	N - YESO		
B)															 			
<u>C)</u>							 								 			
D)	acture, Treat	mont Com	ant Causage	Eta				-										
	Depth Interva		icht Squeeze	, 1510.					Λ,	mount and	Type of	Material						
			32 ACIDIZE	= W/37	81 GA	LS 15%	NEFE	FRAC W/						58 GALS S	W.			
		83 TO 55						86# 16/30							<u></u>			
-	56	81 TO 59	79 ACIDIZE	W/39	66 GA	LS 15%	NEFE	FRAC W/	208,85	59 GALS	GEL, 6,29	2 GALS-	WF , 25,9	88-GALS-S	Ν,			
	56	81 TO 59	79 257,771	# 20/4	BRO	WN SAN	ID, 41	729# 16/30	0 CRC	, 10,568#	100 MES		ሶሶር	חדרה	Г	ים חוב	<u> </u>	
28. Producti	ion - Interval	A										1/1	<u> </u>		ITL	117 MI	JIKI	
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL		Gas MCF		ater BL	Oil Gr Corr.		Gas Grav	rity	Produc	tion Method			1	
07/27/2013	07/28/2013	24		135	5.0	126.0	- 1	216.0		41.0		0.60		ELECT	RIC PU	MPING UNIT		
	Tbg. Press.	Csg.	24 Hr.	Oil BBL		Gas MCF		ater BL	Gas:O Ratio	il	Well	Status		NOV	3	2013		
	Flwg. SI	Press. 70.0	Rate	13	- 1	MCF 126		216	Kalio	933		POW		///	^ى م	LUN		
28a. Production - Interval B																		
	Test Date	Hours Tested	Test Production	Oil BBL		Gas MCF		ater BL	Oil Gr Corr.		Gas Grav	rity	EÜRE			MANAGEM	ENT	
					- 1		1		1			1 /	1 (7	V DICD V	1 [[D AFFIAF		

Csg. Press.

24 Hr. Rate

Oil BBL

Choke Size

Tbg. Press Flwg.

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #223405 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Gas:Oil Ratio

Water BBL

Gas MCF

RECLAMATION DUE /- 26-19

Due From Test Hour Test Producted Product Producted	28b Prod	uction - Inter	val C					-					<u>.</u>
Cote The Dress Cog Res State S	Date First Test Hours									Production Method	· ·		
Size Flog Profest Rate BBL MCF BBL Rate	Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	.	Gravity			
28. Production - Interval D Date First Total Tota											•	•	
Due Fine Test Heaver Test Production Descriptions De	SIZZ.	-	1 1033.		·	l'inci		- Nano					
Date Treated Production BBL MCF BBL Core, APT Greeby		uction - Inter	val D										
Size Five Press Bab Mof BBL Radio											Production Method		
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 recovering tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recovering tests. Formation Top Bottom Descriptions, Contents, etc. Name Meet Meet Meet Meet Meet Meet Meet Me		Flwg.	Csg. Press.							Well Status			,
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 recovertes. Formation Top Bottom Descriptions, Contents, etc. Name Mean RUSTLER SALADO 3.88 8.99 SALT YATES 1016 SANDSTONE SANDSTONE VATES 1016 SANDSTONE & DOLOMITE GRAYBURG 2.312 SANDSTONE & DOLOMITE GRAYBURG 2.312 SANDSTONE & DOLOMITE GRAYBURG 2.312 SANDSTONE & ADOLOMITE GRAYBURG 2.312 SANDSTONE & ADOLOMITE GRAYBURG 2.312 SANDSTONE & AND STONE & OLOMITE GRAYBURG 2.4110 SANDSTONE & AND STONE & OLOMITE GRAYBURG 2.42 SANDSTONE & AND STONE & OLOMITE GRAYBURG 2.43 SANDSTONE & OLOMITE GRAYBURG 2.44 YESO 3.12 SANDSTONE & OLOMITE GRAYBURG GRAYBURG 3.12 SANDSTONE & OLOMITE GRAYBURG GRAYB			(Sold, use	d for fuel, ven	ted, etc.)	_					·		
Show all important zones of porceity 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. Formation Top Bottom Descriptions, Contents, etc. Name Mean State of Contents of the Conten			s Zones (I	nclude Aquife	ers):					31.	Formation (Log) M	arkers	
Formation Top Bottom Descriptions, Contents, etc. Name Mean RUSTLER SALADO 358 SALT TOP SALT 1016 SANDSTONE SANDSTONE TOP SALT 170P SALT 170P SALT 1828 OUEEN 1904 SANDSTONE SOLUMITE GUEEN 11 GRAYBURG 2312 SANDSTONE SOLUMITE GRAYBURG 2 SANDSTONE SOLUMITE GRAYBURG 3 SANDSTONE SOLUMITE S	tests,	including der											
SALADO 358 899 SALT SANDSTONE SANDSTONE SANDSTONE SANDSTONE QUEEN 1904 GRAYBURG 2312 GLORIETA -4011 SANDSTONE & DOLOMITE GRAYBURG 2 GLORIETA -4011 SANDSTONE & DOLOMITE GRAYBURG 2 GLORIETA -4011 SANDSTONE & ANDSTONE GRAYBURG 2 GLORIETA -4110 32. Additional remarks (include plugging procedure) ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. CONTINUED 6128 - 6426 Acidize w/3942 gals 15% NEFE. Frac w/208,537 gals gel, 6,713 gals WF, 31,249 gals slickwater, 255,344# 20/40 brown sand, 40,399# 16/30 CRC, 10,352# 100 Mesh. 6575 - 6873 Acidize w/3978 gals 15% NEFE. Frac w/207,376 gals gel, 7,134 gals WF, 22,331 gals slickwater, 250,568# 20/40 brown sand, 47,997# 16/30 CRC, 10,884# 100 Mesh. 33. Circle enclosed attachments: 1. Electrical/Mcchanical Logs (I full set redd.) 2. Geologic Report 3. DST Report 4. Directional Sur 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other. 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #223405 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DINAH NEGRETE on 1026/2013 (14DCN0086SE) Name (please print) CHASITY JACKSON Title PREPARER		Formation	"	Тор	Bottom		Descript	ions, Contents	, etc.		Name Meas		
33. Circle enclosed attachments: 1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Sur Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #223405 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DINAH NEGRETE on 10/26/2013 (14DCN0086SE) Name (please print) CHASITY JACKSON Title PREPARER	SALADO YATES QUEEN GRAYBU GLORIET YESO 32. Addit ACID 6128 gals:	ional remark D, FRACTUF - 6426 Acid slickwater, 2	lize w/394 255,344# lize w/39	358 1016 1904 2312 -4011 4110 plugging proc tTMENT, CE 42 gals 15% 20/40 brown 78 gals 15%	edure): MENT SQU NEFE. Frai sand, 40,3 NEFE. Frai	JEEZE, E 2 w/208,5 99# 16/3	ETC. CONT	E & DOLOMI E & DOLOMI E & ANHYDRIT S ANHYDRIT INUED , 6,713 gals \ 352# 100 Me	TE VF, 31,24 sh. VF, 22,33	49	TOP SALT YATES QUEEN GRAYBURG GLORIETA		233 358 1016 1904 2312 4011 4110
i. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Sur 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions): Electronic Submission #223405 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DINAH NEGRETE on 10/26/2013 (14DCN0086SE) Name (please print) CHASITY JACKSON Title PREPARER													
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Electronic Submission #223405 Verified by the BLM Well Information System. For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DINAH NEGRETE on 10/26/2013 (14DCN0086SE) Name (please print) CHASITY JACKSON Title PREPARER						ı	6. Core A	nalysis		7 Other	r:		
For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DINAH NEGRETE on 10/26/2013 (14DCN0086SE) Name (please print) CHASITY JACKSON Title PREPARER	34. I here	by certify the	at the fore	going and atta	ched inform	ation is co	omplete and c	orrect as deter	mined fro	m all avail	able records (see att	ached instruction	ons):
Name (please print) CHASITY JACKSON Title PREPARER					Fo	r COG O	PERATING	LLC, sent to	o the Carl	lsbad	•		
City of the Control o	Name	e (please prin) <u>CHASI</u>			ior proce	essing by DIF			•	14DCNUU80SE)		_
Signature (Electronic Submission) Date 10/17/2013	Siona	iture	(Flectro	onic Submiss	sion)			Do	te 10/17/	2013			
Date 10/17/2010	Signa		LEICOLL	J. NO CUDITIOS	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				<u>10/11//</u>				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency													

Additional data for transaction #223405 that would not fit on the form

32. Additional remarks, continued

7022 - 7320 Acidize w/3916 gals 15% NEFE. Frac w/208,386 gals gel, 7,581 gals WF, 22,451 gals slickwater, 252,573# 20/40 brown sand, 41,494# 16/30 CRC, 10,676# 100 Mesh.

7469 - 7770 Acidize w/3928 gals 15% NEFE. Frac w/207,157 gals gel, 8,047 gals WF, 32,717 gals slickwater, 254,426# 20/40 brown sand, 47,707# 16/30 CRC, 9,902# 100 Mesh.

7916 - 8214 Acidize w/3980 gals 15% NEFE. Frac w/209,349 gals gel, 8,741 gals WF, 26,594 gals slickwater, 254,185# 20/40 brown sand, 48,833# 16/30 CRC, 8,845# 100 Mesh.

8363 - 8661 Acidize w/3991 gals 15% NEFE. Frac w/205,469 gals gel, 8,923 gals WF, 24,348 gals slickwater, 252,904# 20/40 brown sand, 50,942# 16/30 CRC, 10,089# 100 Mesh.

8810 - 9108 Acidize w/2781 gals 15% NEFE. Frac.w/206,137 gals gel, 9,655 gals WF, 12,759 gals slickwater, 252,831# 20/40 brown sand, 53,508# 16/30 CRC, 6,246# 100 Mesh.

Logs will be mailed.

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