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Form 3160-4
(August 2007)

NMOC DARTESIA
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMLC028784A		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator COG OPERATING LLC			Contact: CHASITY JACKSON E-Mail: cjackson@concho.com		
3. Address ONE CONCHO CENTER 600 WILLINOIS AVENUE MIDLAND, TX 79701			3a. Phone No. (include area code) Ph: 432-686-3087		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW 990FSL 330FWL At top prod interval reported below SWSW 990FSL 330FWL At total depth SESE 959FSL 352FEL			7. Unit or CA Agreement Name and No. NMNM88525X		
14. Date Spudded 06/02/2013			15. Date T.D. Reached 06/14/2013		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/26/2013			17. Elevations (DF, KB, RT, GL)* 3614 GL		
18. Total Depth: MD 9275 TVD 4885			19. Plug Back T.D.: MD 9210 TVD		
20. Depth Bridge Plug Set: MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUT SPECGR		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)					

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H-40	48.0	0	265		400		0	
12.250	9.625 J-55	40.0	0	1112		600		0	
8.750	7.000 L-80	26.0	0	4382					
7.875	5.500 L-80	17.0	4382	9262		1250		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4492							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	5383	9108	5383 TO 9108	0.430	324	OPEN - YESO
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5383 TO 5532	ACIDIZE W/3781 GALS 15% NEFE. FRAC W/208,001 GALS GEL, 8,694 GALS WF, 26,358 GALS SW,
5383 TO 5532	254,648# 20/40 BROWN SAND, 6,386# 16/30 CRC, 9,525# 100 MESH.
5681 TO 5979	ACIDIZE W/3966 GALS 15% NEFE. FRAC W/208,859 GALS GEL, 6,292 GALS WF, 25,988 GALS SW,
5681 TO 5979	257,771# 20/40 BROWN SAND, 41,729# 16/30 CRC, 10,568# 100 MESH.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/27/2013	07/28/2013	24	→	135.0	126.0	216.0	41.0	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
		70.0	→	135	126	216	933	POW	

28a. Production - Interval B

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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

NOV 3 2013

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(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 ** BLM REVISED **

RECLAMATION
DUE 1-26-14

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(Sold, used for fuel, vented, etc.)

SOLD

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	233		ANHYDRITE	RUSTLER	233
SALADO	358	899	SALT	TOP SALT	358
YATES	1016		SANDSTONE	YATES	1016
QUEEN	1904		SANDSTONE & DOLOMITE	QUEEN	1904
GRAYBURG	2312		SANDSTONE & DOLOMITE	GRAYBURG	2312
GLORIETA	4011		SANDSTONE	GLORIETA	4011
YESO	4110		DOLOMITE & ANHYDRITE	YESO	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/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 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

Signature (Electronic Submission)

Date 10/17/2013

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 of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

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.