

OCD Artesia

Form 3160-4
(August 2007)

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. NMNM14840		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input checked="" 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			7. Unit or CA Agreement Name and No.		
Contact: CHASITY JACKSON E-Mail: cjackson@concho.com			8. Lease Name and Well No. WHITE STAR FEDERAL 20		
3. Address ONE CONCHO CENTER 600 W. ILLINOIS AVE MIDLAND, TX 79701			9. API Well No. 30-015-33247 32247		
3a. Phone No. (include area code) Ph: 432-686-3087			10. Field and Pool, or Exploratory EMPIRE; GLORIETA YESO (96410)		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 990FNL 990FEL At top prod interval reported below 990FNL 990FEL At total depth 990FNL 990FEL			11. Sec., T., R., M., or Block and Survey or Area Sec 29 T17S R29E Mer NMP		
14. Date Spudded 06/05/2002			12. County or Parish EDDY		
15. Date T.D. Reached 06/15/2002			13. State NM		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/08/2013			17. Elevations (DF, KB, RT, GL)* 3598 GL		
18. Total Depth: MD 5551 TVD		19. Plug Back T.D.: MD 5520 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) N/A			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 checked="" type="checkbox"/> No <input 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 K55	48.0		332		350			
12.250	8.625 J55	24.0		851		500			
7.875	5.500 J55	17.0		4436		985			
4.750	4.000 L80	11.6		5551		150			

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	3835							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3934	5250	3934 TO 4184	0.340	26	OPEN
B)			4450 TO 4650	0.340	26	OPEN
C)			4750 TO 4950	0.340	26	OPEN
D)			5050 TO 5250	0.340	26	OPEN

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

Depth Interval	Amount and Type of Material
3934 TO 4184	ACIDIZE W/4500 GALS 15% ACID.
3934 TO 4184	FRAC W/136,934 GALS GEL, 157,946# 16/30 BROWN, 21,356# 16/30 SIBERPROP.
4450 TO 4650	ACIDIZE W/3500 GALS 15% ACID.
4450 TO 4650	FRAC W/131,908 GALS GEL, 171,826# 16/30 BROWN, 33,216# 16/30 SIBERPROP.

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
	01/27/2014	24	→	61.0	76.0	140.0	39.2	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
S1			→	61	76	140	1246	PDW	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
S1			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #255327 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECLAMATION
DUE 7/27/2014

CCL

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 30 2014

ACCEPTED FOR RECORD

NOV 8 2014

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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
TANSIL	678		LIMESTONE & DOLOMITE	TANSIL	678
YATES	782		SANDSTONE	YATES	782
QUEEN	1682		SANDSTONE & DOLOMITE	QUEEN	1682
GRAYBURG	2071		SANDSTONE & DOLOMITE	GRAYBURG	2071
SAN ANDRES	2354		DOLOMITE & LIMESTONE	SAN ANDRES	2354
GLORIETA	3803		SANDSTONE	GLORIETA	3803
PADDOCK	3897			PADDOCK	3897
BLINEBRY	4375			BLINEBRY	4375

32. Additional remarks (include plugging procedure):
Acid, Fracture, Treatment, Cement Squeeze, etc.

Perf 4750 - 4950. Acidize w/4500 gals 15% HCL acid.
Frac w/56,774 gals gel, 26,815# 16/30 brown sand, 5,826# 16/30 Siberprop.
Perf 5050 - 5250. Acidize w/4500 gals 15% HCL acid. Frac w/162,640 gals gel, 116,586# 16/30 brown, 30,268# 16/30 Siberprop.

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 #255327 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by DINAH NEGRETE on 11/08/2014 ()

Name (please print) CHASITY JACKSON

Title PREPARER

Signature (Electronic Submission)

Date 07/31/2014

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.

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