

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFEB 13 2008
OCD-ARTESIAFORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

S

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 NM-074935							
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		7 Unit or CA Agreement Name and No ---							
3 Address 550 W. Texas, Suite 1300, Midland, TX 79701		8 Lease Name and Well No. Electra Federal #17							
3a Phone No (include area code) 432-685-4332		9 AFI Well No 30-015-35431- 35780							
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 990 FNL & 1650 FWL, Unit C At top prod interval reported below At total depth		10 Field and Pool, or Exploratory Loco Hills Glorieta Yeso							
14 Date Spudded 11/29/2007		15 Date T.D Reached 12/10/2007							
16 Date Completed 01/09/2008 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod		17 Elevations (DF, RKB, RT, GL)* 3694 GL							
18. Total Depth. MD 6106 TVD		19. Plug Back T.D MD 6040 TVD							
20. Depth Bridge Plug Set MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CN / HNGS, Micro CFL / HNGS							
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 report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)									
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
17-1/2	13-3/8	48		416		880 C		1" to Surface	
12-1/4	8-5/8	32		1387		800 C		Surface	181
7-7/8	5-1/2	17		6106		1200 C		Surface	218
24 Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8	4759								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) Yeso			5060 - 5260	2 SPF	36	Open			
B) Yeso			5330 - 5530	2 SPF	36	Open			
C) Yeso			5600 - 5800	2 SPF	48#	Open			
D) Yeso									
27 Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval	Amount and Type of Material								
5060 - 5260	Acidize w/ 5,504 gals acid. Frac w/112,518 gals gel, 170,825# 16/30 sand.								
5330 - 5530	Acidize w/ 5,504 gals acid. Frac w/80,388 gals gel, 97,455# 16/30 sand.								
5600 - 5800	Acidize w/ 5,000 gals acid. Frac w/61,614 gals gel, 88,215# 16/30 sand.								
	Acidize w/ 6,008 gals acid. Frac w/67,410 gals gel, 88,844# 16/30 sand.								
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
01/12/2008	02/04/2008	24	→	120	133	636	39.2		Pumping
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					Producing	
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	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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
Yates	1270				
7 Rivers	1570				
Queen	2180				
San Andres	2910				
Paddock	4430				
Tubb	5880				

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☒ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Kanicia Carrillo**Title **Regulatory Analyst**

Signature

Date **02/12/2008**

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

DISTRICT I
1825 N. FRENCH DR., BOHRS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

RECEIVED

JUL 09 2007

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35780		Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 302483	Property Name ELECTRA FEDERAL		Well Number 17
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3701'

Surface Location

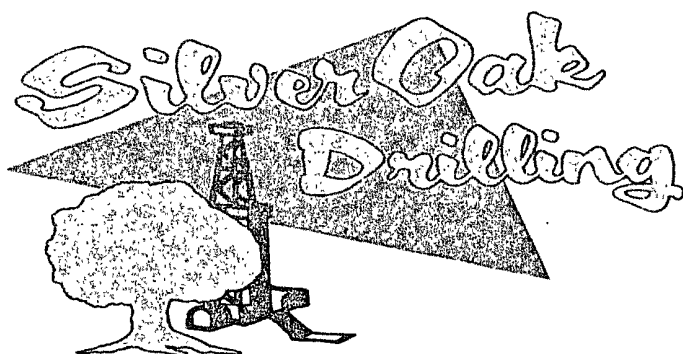
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	17-S	30-E		990	NORTH	1650	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40		Joint or Infill	Consolidation Code	Order No.					

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>DETAIL</p> <p>3698.4' 3700.3'</p> <p>3692.6' 3699.2'</p> <p>960'</p> <p>1650'</p> <p>SEE DETAIL</p> <p>GEODETC COORDINATES NAD 27 NME</p> <p>Y=669114.1 N X=613903.5 E</p> <p>LAT.=32.838931° N LONG.=103.962481° W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jerry W. Sherrell</i> 7/17/07 Signature Date</p> <p>Jerry W. Sherrell Printed Name</p> <p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p><i>Ronald J. Eidson</i> 7/06/07 Signature Date</p> <p>RONALD J. EIDSON Professional Surveyor 7065518804</p> <p>Certificate No. CARY EIDSON 12841 RONALD J. EIDSON 3239</p>
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PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

December 19, 2007

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Electra Federal #7
990' FNL & 1650' FWL
Sec. 15, T17S, R30E
Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

<u>DEPTH</u>	<u>DEVIATION</u>	<u>TVD</u>	<u>DEPTH</u>	<u>DEVIATION</u>	<u>TVD</u>
250.00	1.00	272.00	2784.00	1.00	2854.00
354.00	1.00		3069.00	0.75	3140.00
500.00	0.75	529.00	3373.00	0.50	3426.00
703.00	0.75		3673.00	0.75	3744.00
888.00	0.50		3970.00	1.00	4031.00
1075.00	1.00		4277.00	0.75	4348.00
1300.00	1.00	1341.00	4557.00	1.00	4634.00
1608.00	0.25	1679.00	4877.00	1.00	4953.00
1862.00	0.25	1932.00	5477.00	0.50	5556.00
2173.00	0.75	2218.00	5803.00	0.50	5874.00
2473.00	0.25	2504.00			

Very truly yours,

Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 19th day of December, 2007.

Notary Public