

DISTRICT I
1625 N. FRENCH DR., BOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

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 30-015-37225	Pool Code 96718	Pool Name Loco Hills;Glorieta-Yeso <i>KE</i>
Property Code 302483	Property Name ELECTRA FEDERAL	Well Number 63
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3729'

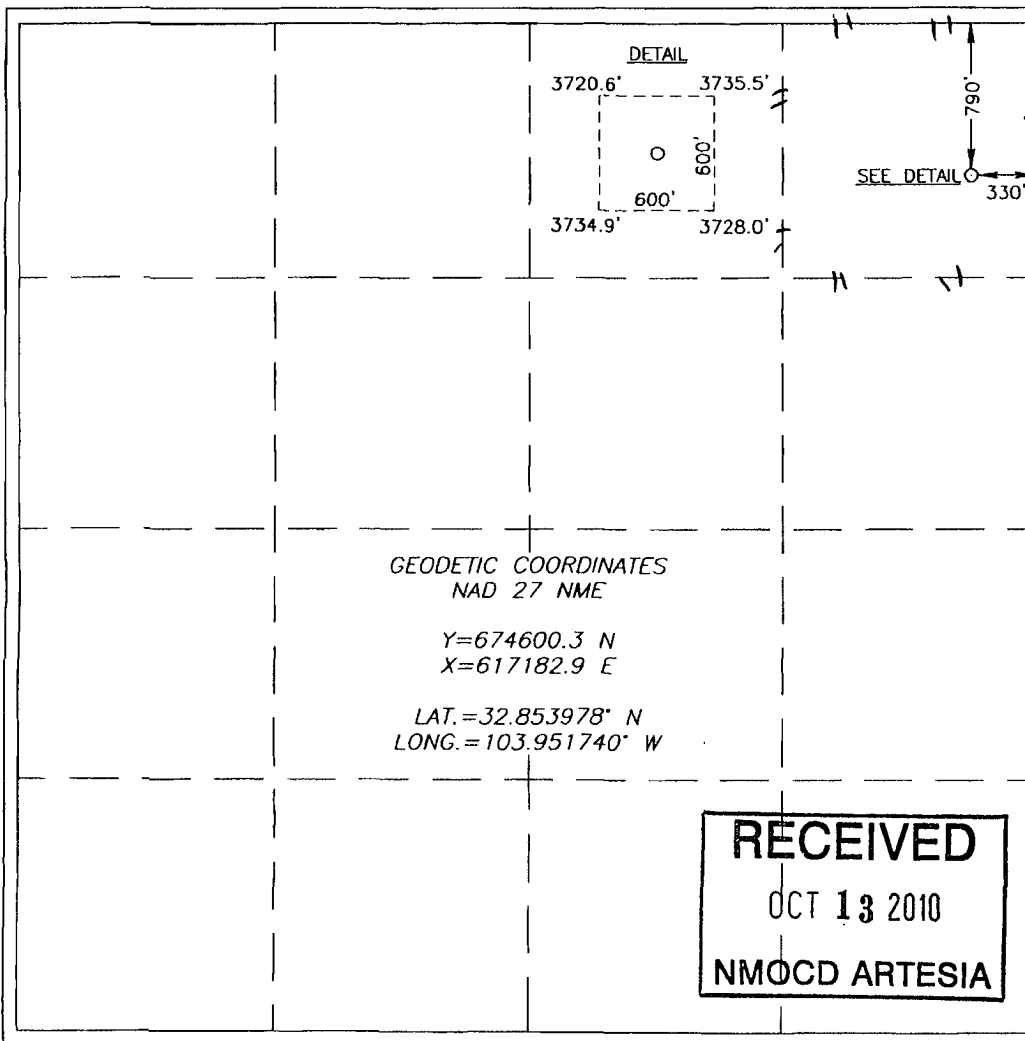
Surface Location

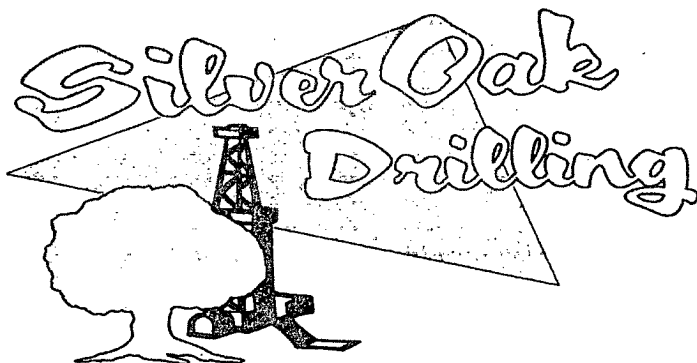
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	17-S	30-E		790	NORTH	330	EAST	EDDY

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>3720.6' 3735.5'</p> <p>600' 600'</p> <p>3734.9' 3728.0'</p> <p>790'</p> <p>330'</p> <p>SEE DETAIL</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=674600.3 N X=617182.9 E</p> <p>LAT.=32.853978° N LONG.=103.951740° 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>Kanicia Carrillo</i> 10/05/10 Signature Date Kanicia Carrillo 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> 10/09/10 Date Signed Signature & Seal of Professional Surveyor</p> <p>RECEIVED OCT 13 2010 NMOCD ARTESIA</p>



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

30-015-37225

August 31, 2010

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

RE: Electra Federal #63
790' FNL & 330' FEL
Sec. 10, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 31st day of August, 2010.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".
Notary Public

Electra Federal #63

Date	Depth	Dev/Inc	TVD
8/23/2010	726	2.20	
8/24/2010	1332	1.60	
8/25/2010	1788	0.50	1858
8/25/2010	2265	0.40	
8/26/2010	2744	0.20	
8/26/2010	3219	0.50	3291
8/27/2010	3770	0.20	3770
8/27/2010	4178	0.30	4248
8/28/2010	4656	0.60	4726
8/28/2010	5132	0.30	
8/29/2010	5612	0.70	5682
8/30/2010	5925	0.80	5995

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. NMNM0467931		
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			8. Lease Name and Well No. ELECTRA FEDERAL 63		
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com					
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701			9. API Well No. 30-015-37225		
3a. Phone No. (include area code) Ph: 432-685-4332					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot A 790FNL 330FEL 32.85398 N Lat, 103.95174 W Lon At top prod interval reported below Lot A 790FNL 330FEL 32.85398 N Lat, 103.95174 W Lon At total depth Lot A 790FNL 330FEL 32.85398 N Lat, 103.95174 W Lon			10. Field and Pool, or Exploratory LOCO HILLS;GLORIETA-YESO <i>KCB</i>		
			11. Sec., T., R., M., or Block and Survey or Area Sec 10 T17S R30E Mer		
			12. County or Parish EDDY		13. State NM
14. Date Spudded 08/19/2010		15. Date T.D. Reached 08/30/2010	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/27/2010		17. Elevations (DF, KB, RT, GL)* 3729 GL
18. Total Depth: MD 5995 TVD 5995		19. Plug Back T.D.: MD 5930 TVD 5930		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON			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 H40	48.0	0	439		1050		0	0
11.000	8.625 J55	24.0	0	1366		500		0	0
7.875	5.500 J55	17.0	0	5986		900		0	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	5836							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) PADDOCK	4605	4850	4605 TO 4850	0.410	26	OPEN
B) BLINEBRY	5110	5310	5110 TO 5310	0.410	26	OPEN
C) BLINEBRY	5380	5580	5380 TO 5580	0.410	26	OPEN
D) BLINEBRY	5650	5850	5650 TO 5850	0.410	26	OPEN

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4605 TO 4850	ACIDIZE W/3,000 GALS 15% ACID.
4605 TO 4850	FRAC W/104,311 GALS GEL, 108,891# 16/30 OTTAWA SAND, 30,069# 16/30 CRC SAND.
5110 TO 5310	ACIDIZE W/3,500 GALS 15% ACID.
5110 TO 5310	FRAC W/ 115,347 GALS GEL, 145,617# 16/30 OTTAWA SAND, 33,918# 16/30 CRC 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
09/29/2010	10/02/2010	24	→	206.0	260.0	555.0	39.0	0.60	ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 70.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	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.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

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

ELECTRONIC SUBMISSION #94320 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	1395		DOLOMITE & SAND	DOLOMITE & SAND	1395
QUEEN	2304		SAND	SAND	2304
SAN ANDRES	3021		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	3021
GLORIETA	4479		SAND & DOLOMITE	SAND & DOLOMITE	4479
YESO	4548		DOLOMITE & ANHYDRITE	DOLOMITE & ANHYDRITE	4548
TUBB	5931				

32. Additional remarks (include plugging procedure):

Acid, Fracture, Treatment, Cement Squeeze etc. continued...

5380 - 5580 ACIDIZE W/3,500 GALS 15% ACID.

5380 - 5580 Frac w/ 113,000 gals gel, 151,912# 16/30 Ottawa sand, 33,095# 16/30 CRC sand.

5650 - 5850 ACIDIZE W/3,500 GALS 15% ACID.

5650 - 5850 FRAC W/111,362 gals gel, 141,259# 16/30 Ottawa sand, 29,731# 16/30 CRC sand.

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 #94320 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature _____ (Electronic Submission)

Date 10/07/2010

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****