

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No.
NMNM0467931

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
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 _____			7 Unit or CA Agreement Name and No.		
2. Name of Operator COG OPERATING LLC			Contact. PHYLLIS A. EDWARDS E-Mail: pedwards@conchoresources.com		
3. Address 550 WEST TEXAS AVENUE SUITE 1300 MIDLAND, TX 79701			3a. Phone No (include area code) Ph. 432-685-4340		
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot C 990FNL 1650FWL At top prod interval reported below Lot C 990FNL 1650FWL At total depth Lot C 990FNL 1650FWL			8 Lease Name and Well No ELECTRA 29		
14. Date Spudded 09/25/2008			15 Date T.D. Reached 10/07/2008		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/28/2008			9. API Well No 30-015-36448		
18. Total Depth: MD 6037 TVD 6037			19. Plug Back T.D.: MD 6009 TVD 6009		
20. Depth Bridge Plug Set: MD TVD			10 Field and Pool, or Exploratory LOCO HILLS, GLORIETA YESO		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CFL/HNGS AND CNL			11. Sec., T., R., M., or Block and Survey or Area Sec 10 T17S R30E Mer		
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)			12. County or Parish EDDY		
			13 State NM		
			17. Elevations (DF, KB, RT, GL)* 3719 GL		

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 Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17.500	13 375 H40	48.0	0	445		445		0	
11.000	8.625 J55	32.0	0	1279		600		0	
7 875	5 500 J55	17 0	0	6036		1100		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	4870							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) YESO	5000	5200	5000 TO 5200		36	OPEN
B) YESO	5300	5500	5300 TO 5500		36	OPEN
C) YESO	5580	5780	5580 TO 5780		48	OPEN
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5000 TO 5200	ACIDIZE W/ 2500 GALS 15% ACID
5000 TO 5200	FRAC W/ 116,815 GALS SILVERSTIM & 157,548# 16/30, & 28,464# CRC
5300 TO 5500	ACIDIZE W/ 2500 GALS 15% ACID
5300 TO 5500	FRAC W/ 113,790 GALS SILVERSTIM & 148,361# 16/30, & 33,368# CRC

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
11/02/2008	12/03/2008	24	→	99 0	150 0	287 0	36 0	0 60	ELECTRIC PUMPING UNIT
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	70	70 0	→					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 #65457 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Accepted for record - NMOCD

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 Flow 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 Flow 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	1340		DOLOMITE AND SAND	BASE SALT	1000
QUEEN	2250		SAND	YATES	1340
SAN ANDRES	2970		DOLOMITE AND ANHYDRITE	QUEEN	2250
GLORIETA	4450		SAND AND DOLOMITE	SAN ANDRES	2970
YESO	4510		DOLOMITE AND ANHYDRITE	GLORIETA	4450
				YESO	4510

32. Additional remarks (include plugging procedure):

5580' - 5780' ACIDIZE W/ 2500 GALS 15% ACID.

5580' - 5780' FRAC W/ 114,552 GALS SILVERSTIM & 142,005# 16/30, & 373,414# CRC.

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 #65457 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) PHYLLIS A. EDWARDS

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 12/10/2008

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.

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

DISTRICT I
1025 N FRENCH DR HOBBS, 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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015- 36448	Pool Code 96718	Pool Name LOCO HILLS; GLORIETA YESO
Property Code 392483	Property Name ELECTRA FEDERAL	Well Number 29
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3719'

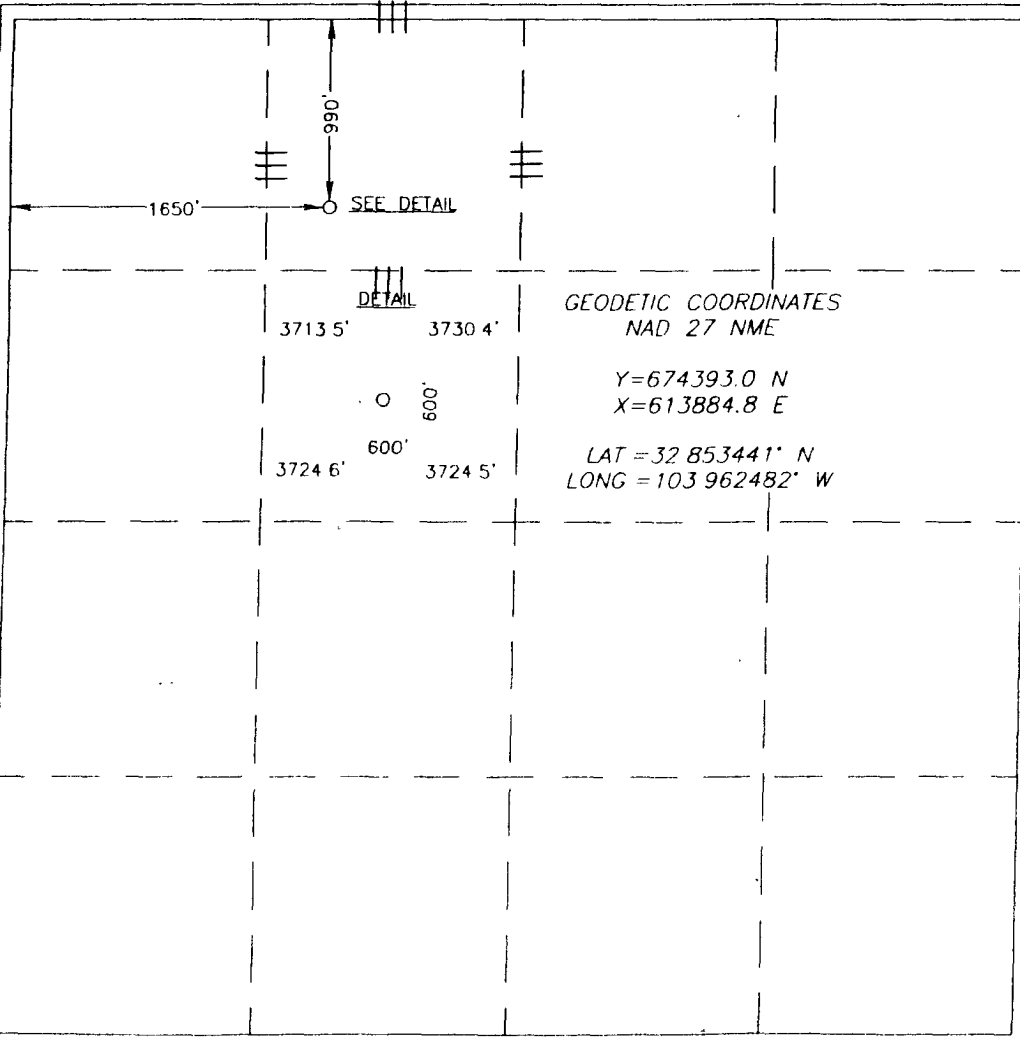
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	10	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>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>Phyllis A. Edwards</i> 5-9-08 Signature Date</p> <p>Phyllis A. Edwards Printed Name</p> <p>Regulatory Analyst</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>MAY 28, 2008 Date Surveyed LA</p> <p>Signature & Seal of Professional Surveyor <i>Ronald J. Eidson</i> 6/5/08 08.11.0626</p> <p>Certificate No. GARY EIDSON 12641 RONALD EIDSON 3239</p>
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PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288

October 15, 2008

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

RE: Electra Fed #29
990' FNL & 1650' FWL
Sec. 10, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

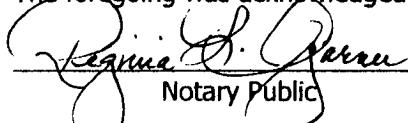
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
224.00	0.50	3022.00	1.25
408.00	0.50	3371.00	1.25
643.00	1.00	3628.00	1.00
860.00	0.75	3914.00	1.25
1462.00	1.25	4233.00	0.75
1748.00	1.25	4552.00	1.00
2003.00	1.25	4775.00	0.75
2287.00	1.25	5094.00	1.00
2544.00	1.25	5667.00	1.00
2733.00	1.25	6000.00	0.75

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 15th day of October, 2008.


Notary Public

