

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCT 17 2008

OCD-ARTESIA

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. NMNM074935		
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.		
Contact: KANICIA CARRILLO E-Mail: kcarrillo@conchoresources.com			8. Lease Name and Well No. ELECTRA FEDERAL 20		
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701			9. API Well No. 30-015-35895		
3a. Phone No. (include area code) Ph: 432-685-4332			10. Field and Pool, or Exploratory LOCO HILLS; GLORIETA, YESO		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface Lot L 1650FSL 330FWL 32.84619 N Lat, 103.96678 W Lon At top prod interval reported below Lot L 1650FSL 330FWL 32.84619 N Lat, 103.96678 W Lon At total depth Lot L 1650FSL 330FWL 32.84619 N Lat, 103.96678 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 10 T17S R30E Mer		
14. Date Spudded 07/08/2008			12. County or Parish EDDY		
15. Date T.D. Reached 07/21/2008			13. State NM		
16. Date Completed <input type="checkbox"/> D & A 08/12/2008 <input checked="" type="checkbox"/> Ready to Prod			17. Elevations (DF, KB, RT, GL)* 3700 GL		
18. Total Depth MD 5986 TVD			19. Plug Back T.D.: MD 5930 TVD		
20. Depth Bridge Plug Set MD TVD			21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATED NEUTRON CCL		
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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0		462		955		0	590
11.000	8.625 J55	32.0		1311		600		0	284
7.875	5.500 J55	17.0		5986		1100		0	126

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	4903							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4980	5180	4980 TO 5180	0.410	36	OPEN
B) YESO	5250	5450	5250 TO 5450	0.410	36	OPEN
C) YESO	5550	5750	5550 TO 5750	0.410	48	OPEN
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4980 TO 5180	ACIDIZE W/25,000 GALS ACID FRAC W/108,000 GALS GEL, 141,100# 16/30 SAND, 21,300# CRC SAND.
5250 TO 5450	ACIDIZE W/2,500 GALS ACID FRAC W/112,000 GALS GEL, 141,000# 16/30 SAND, 35,400# CRC SAND
5550 TO 5750	ACIDIZE W/2,500 GALS ACID FRAC W/115,000 GALS GEL, 149,800# 16/30 SAND, 28,300# 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
08/17/2008	08/25/2008	24	→	111.0	147 0	619.0	38 5		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	
			→						

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 #63306 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

ACCEPTED FOR RECORD
OCT 15 2008
JERRY FANT
PETROLEUM GEOLOGIST

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	1280				
7 RANCH	1570				
QUEEN	2180				
SAN ANDRES	2910				
YESO	4455				
TUBB	5880				

32. Additional remarks (include plugging procedure):

Logs will be mailed.

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 #63306 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 09/24/2008

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

1625 N. FRENCH DR., HOBBBS, 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

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 30-015-35895	Pool Code 96718	Pool Name LOCO HILLS; GLORIETA, YESO
Property Code 302483	Property Name ELECTRA FEDERAL	Well Number 20
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3700'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	17-S	30-E		1650	SOUTH	330	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.
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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

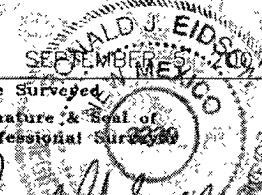
OPERATOR CERTIFICATION

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.

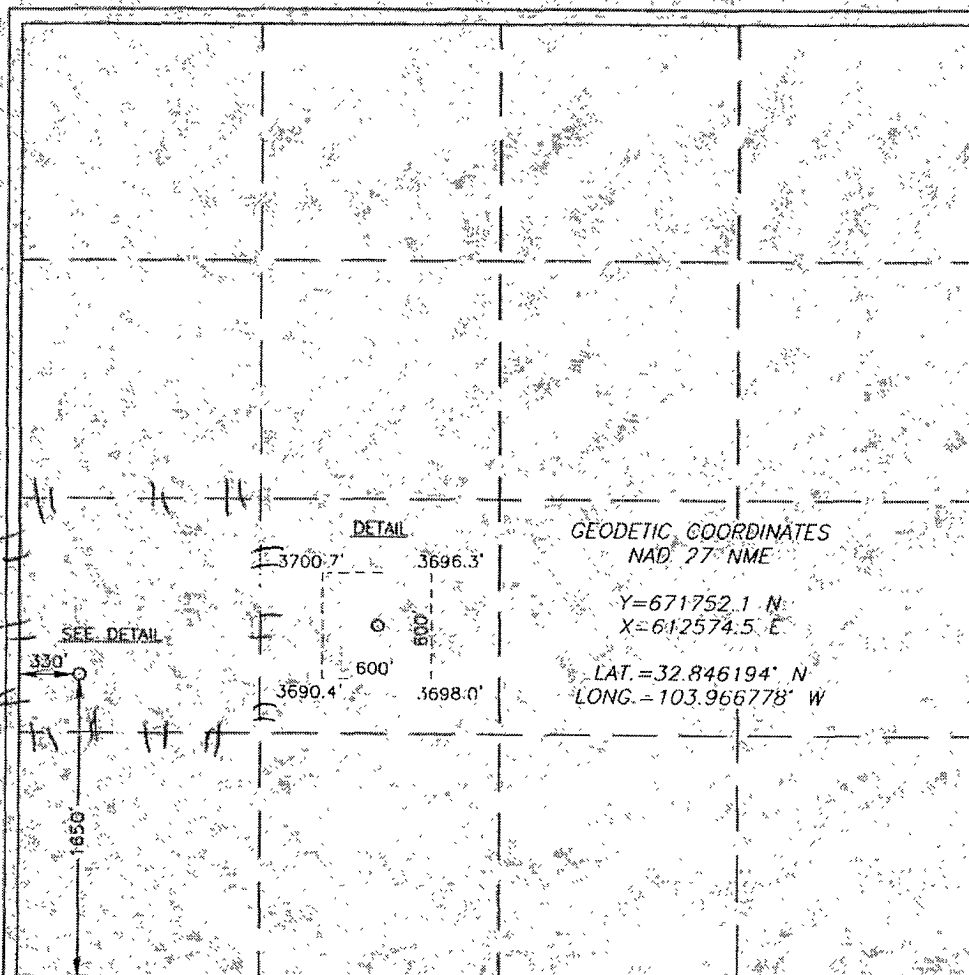
 9/18/2008
Signature Date
Kanicia Carrillo
Printed Name

SURVEYOR CERTIFICATION

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.


Date Surveyed
Signature & Seal of Professional Surveyor
Ronald J. Eidson 9/12/07
607-11-0988

Certificate No. GARY EIDSON 12641
RONALD EIDSON 3239





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

July 31, 2008

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

RE: Electra Federal #20
1650' FSL & 330' FWL
Sec. 10, T17S, R30E
Eddy County, New Mexico


Dear Sir,

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

DEPTH	DEVIATION
287.00	0.50
715.00	1.50
873.00	0.75
1115.00	1.00
1284.00	0.75
1527.00	0.75
1815.00	1.00
2133.00	1.00
2451.00	1.00
2770.00	1.00


DEPTH	DEVIATION
3089.00	1.00
3374.00	1.00
3917.00	1.00
4202.00	0.25
4424.00	0.25
4713.00	0.75
4998.00	0.25
5317.00	0.50
5635.00	0.75

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 31st day of July, 2008.


Regina L. Garner
Notary Public

