

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

AUG 27 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. NMLC029342B	
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. POLARIS B FEDERAL 18	
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701		9. API Well No. 30-015-35930	
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 E 330FNL 2310FWL 32.84078 N Lat, 103.99473 W Lon At top prod interval reported below Lot E 330FNL 2310FWL 32.84078 N Lat, 103.99473 W Lon At total depth Lot E 330FNL 2310FWL 32.84078 N Lat, 103.99473 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 17 T17S R30E Mer	
14. Date Spudded 05/27/2008		12. County or Parish EDDY	
15. Date T.D. Reached 06/05/2008		13. State NM	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 06/26/2008		17. Elevations (DF, KB, RT, GL)* 3677 GL	
18. Total Depth: MD 5875 TVD		19. Plug Back T.D.: MD 5829 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 K55	48.0		420		475		0	60
11.000	8.624 J55	32.0		1312		600		0	195
7.875	5.500 J55	17.0		5871		1000		0	192

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	4733							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	4870	5070	4870 TO 5070	0.410	36	OPEN
B) YESO	5200	5400	5200 TO 5400	0.410	36	OPEN
C) YESO	5510	5710	5510 TO 5710	0.410	48	OPEN
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4870 TO 5070	ACIDIZE W/2,500 GALS ACID. FRAC W/106,260 GALS GEL, 91,189# 16/30 SAND, 18,089# SIBERPROP SAND.
5200 TO 5400	ACIDIZE W/3,500 GALS ACID. FRAC W/126,823 GALS GEL, 150,607# 16/30 SAND, 19,209# SIBERPROP SAND.
5510 TO 5710	ACIDIZE W/3,500 GALS ACID. FRAC W/139,200 GALS GEL, 150,033# 16/30 SAND, 24,765# SIBERPROP 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
06/28/2008	07/06/2008	24	→	92.0	213.0	290.0	38.8		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	
			→					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	
			→						

ACCEPTED FOR RECORD

AUG 23 2008

JERRY FANT

PETROLEUM GEOLOGIST

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

ELECTRONIC SUBMISSION #62321 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.)
CAPTURED

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 7 RIVERS QUEEN SAN ANDRES YESO TUBB	1210 1500 2100 2820 4330 5730				

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 #62321 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad

Name (please print) KANICIA CARRILLOTitle PREPARERSignature (Electronic Submission)Date 08/14/2008

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., HOBBS, NM 58240

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 50-015-15230	Pool Code 96718	Pool Name Loco Hills: Glorieta-Yeso
Property Code 3025-47	Property Name POLARIS B FEDERAL	Well Number 18
OGRID No. 120-2	Operator Name COG OPERATING, LLC	Elevation 3677'

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	17	17-S	30-E		330	NORTH	2310	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>[Signature]</i> 07/31/08 Signature Date Kancia Carrillo Printed Name</p>
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=669753.6 N X=603997.8 E</p> <p>LAT.=32.840780° N LONG.=103.994725° W</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>SEPTEMBER 11, 2007</p> <p>Date Surveyed AR</p> <p>Signature & Seal of Professional Surveyor</p> <p>07.11.1012</p> <p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>



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

June 13, 2008

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


RE: Polaris B Federal #18
330' FNL & 2310' FWL
Sec. 17, T17S, R30E
Eddy, 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>
293.00	1.00	3058.00	1.00
613.00	0.75	3343.00	1.00
858.00	0.75	3724.00	0.75
1118.00	1.00	4070.00	0.75
1308.00	1.00	4358.00	1.50
1412.00	0.25	4643.00	1.00
1729.00	0.25	4943.00	2.00
2046.00	0.25	5309.00	2.00
2330.00	1.00	5613.00	2.00
2742.00	1.00		

Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 13th day of June, 2008.


Notary Public

