

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 23 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		Contact. KANICIA CARRILLO E-Mail kcarrillo@conchoresources.com	
3. Address 550 WEST TEXAS AVE STE 1300 MIDLAND, TX 79701		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 C 1175FNL 1630FWL 32.83846 N Lat, 103.99694 W Lon At top prod interval reported below Lot C 1175FNL 1630FWL 32.83846 N Lat, 103.99694 W Lon At total depth Lot C 1175FNL 1630FWL 32.83846 N Lat, 103.99694 W Lon		8. Lease Name and Well No. POLARIS B FEDERAL 14	
14. Date Spudded 03/01/2008		15. Date T.D. Reached 03/12/2008	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 03/31/2008		9. API Well No. 30-015-35701	
18. Total Depth: MD 5997 TVD		19. Plug Back T.D.: MD 5938 TVD	
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) COMPENSATED NEUTRON HNGS/CCL		11. Sec., T., R., M., or Block and Survey or Area Sec 17 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)* 3664 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		411		450		0	148
12.250	8.625 J55	32.0		1284		800		0	355
7.875	5.500 J55	17.0		5997		1100		0	323

## 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	4738							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) YESO	4830	4930	4830 TO 4930	0.410	36	OPEN
B) YESO	5000	5200	5000 TO 5200	0.410	36	OPEN
C) YESO	5270	5470	5270 TO 5470	0.410	48	OPEN
D)						

## 26. Perforation Record

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

Depth Interval	Amount and Type of Material
4830 TO 4930	ACIDIZED W/6,000 GALS ACID FRAC W/34,716 GALS GEL, 43,347# 16/30 SAND, 9,000# SIBERPROP SAND
5000 TO 5200	ACIDIZED W/5,000 GALS ACID FRAC W/68,880 GALS GEL, 66,135# 16/30 SAND, 24,158# SIBERPROP SAND
5270 TO 5470	ACIDIZED W/5,000 GALS ACID FRAC W/70,133 GALS GEL, 69,410# 16/30 SAND, 21,711# 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
04/01/2008	04/08/2008	24	→	125.0	237.0	137.0	37.0		ACCEPTED FOR RECORD 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
			→						JERRY FANT PETROLEUM GEOLOGIST
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 #59714 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	

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	

### 30 Summary of Porous Zones (Include Aquifers)

### 31. Formation (Log) Markers

[illegible]

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)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 04/15/2008

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. FRANCHIS DR., SPOKES, WA 99240

STATE OF NEW MEXICO  
Energy, Minerals and Natural Resources Department

DISTRICT II  
1201 W. GRAND AVENUE, ALBUQUERQUE, NM 87102

DISTRICT III  
1000 Rio Branson 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 30-015-35701	Pool Code 96718	Pool Name Loco Hills Glorieta Yeso
Property Code 302547	Property Name POLARIS B FEDERAL	Well Number 14
OGED No. 229137	Operator Name COG OPERATING, LLC	Elevation 3664'

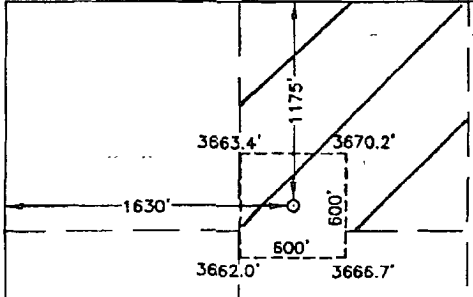
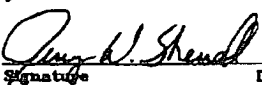
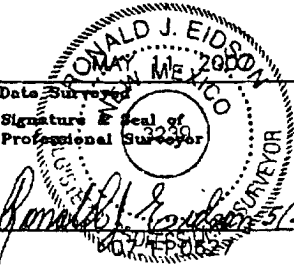
Surface Location

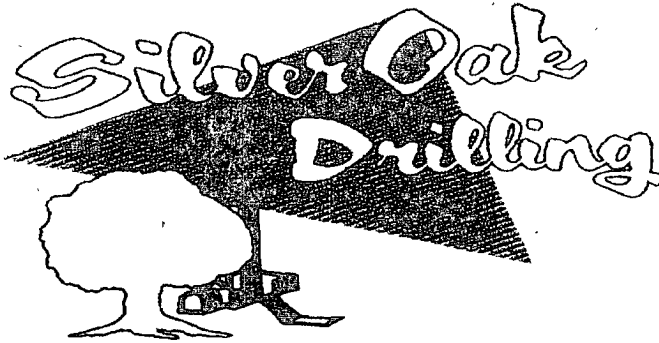
UL or lot No. C	Section 17	Township 17-S	Range 30-E	Lot Idn	Feet from the 1175	North/South line NORTH	Feet from the 1630	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

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>GEODETIC COORDINATES NAD 27 NME Y=668906.8 N X=603320.9 E LAT.=32.838458° N LONG.=103.996938° W</p>	<p><b>OPERATOR CERTIFICATION</b></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> 6/4/07 Signature Date Jerry W. Sherrell Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></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></p> <p>Date Surveyed Signature &amp; Seal of Professional Surveyor Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239</p>
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PO Box 1370  
Artesia, NM 88211-1370  
(575) 748-1288

March 20, 2008

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

RE: Polaris B Federal #14  
990' FNL & 1650' FWL  
Sec. 17, T17S, R30E  
Eddy County, New Mexico

Dear Sir,

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

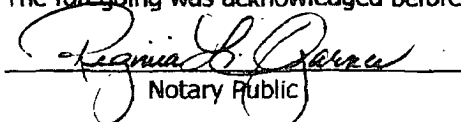
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
222.00	1.00	2834.00	0.75
371.00	1.00	3234.00	1.00
568.00	1.50	3429.00	1.00
658.00	2.00	3740.00	1.50
778.00	1.25	4024.00	1.00
962.00	1.50	4338.00	1.00
1152.00	0.75	4618.00	1.00
1243.00	0.75	4901.00	0.50
1548.00	0.50	5185.00	1.00
1989.00	0.50	5399.00	0.75
2395.00	1.00	5675.00	0.75

Very truly yours,

  
Eddie C. LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 20<sup>th</sup> day of March, 2008.

  
Notary Public

OFFICIAL SEAL  
REGINIA L. GARNER  
NOTARY PUBLIC - STATE OF NEW MEXICO  
My commission expires Aug. 30, 2008