

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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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 kcarriilo@conchoresources.com			8 Lease Name and Well No. POLARIS B FEDERAL 10		
3 Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701			9 API Well No 30-015-35395-00-S1		
3a Phone No (include area code) Ph. 432-685-4332			10 Field and Pool, or Exploratory LOCO HILLS		
4 Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 9 T17S R30E Mer NMP At surface NESE 2310FSL 330FEL At top prod interval reported below At total depth			11 Sec., T., R., M., or Block and Survey or Area Sec 9 T17S R30E Mer NMP		
14 Date Spudded 04/08/2008			15 Date T.D. Reached 04/20/2008		
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 05/07/2008			17 Elevations (DF, KB, RT, GL)* 3696 GL		
18 Total Depth MD TVD 6000			19 Plug Back T.D.: MD TVD 5920		
20 Depth Bridge Plug Set MD TVD			21 Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 500	13.375 H40	48.0		407		850		0	29
11.000	8.625 J55	32.0		1316		800		0	199
7.875	5 500 L80	17.0		5980		1000		0	100
17 500	13.375 H-40	48.0	0	407		850		0	
11 000	8 625 J-55	32.0	0	1316		800		0	
7 875	5 500 L-80	17 0	0	5980		1000		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	4914							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			5665 TO 5865	0.410	36	OPEN
B) YESO	5000	5740	5948 TO 6148	0.410	36	OPEN
C)			6218 TO 6418	0.410	48	OPEN
D)						

26 Perforation Record

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

Depth Interval	Amount and Type of Material
5000 TO 5200	ACIDIZED W/2,500 GALS ACID FRAC W/64,906 GALS GEL, 63,504# 16/30 SAND, 32,456# SIBERPROP SAND
5270 TO 5470	ACIDIZED W/3,500 GALS ACID FRAC W/66,618 GALS GEL, 67,128# 16/30 SAND, 24,354# SIBERPROP SAND
5540 TO 5740	ACIDIZED W/3,500 GALS ACID FRAC W/67,281 GALS GEL, 63,407# 16/30 SAND, 22,564# 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
05/11/2008	05/20/2008	24	→	129 0	70 0	184 0	34 1		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	
	SI		→	129	70	184		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	
	SI		→						

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

ELECTRONIC SUBMISSION #60882 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

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 QUEEN SAN ANDRES YESO TUBB	1280 2180 2920 4450 5885				

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 #60882 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 06/16/2008 (08KMS1954SE)

Name (please print) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 06/13/2008

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

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

DISTRICT I

1525 N. FRENCH DR., BOBBS, 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 30-015-35395		Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 302547	Property Name POLARIS B FEDERAL		Well Number 10
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3696'

Surface Location

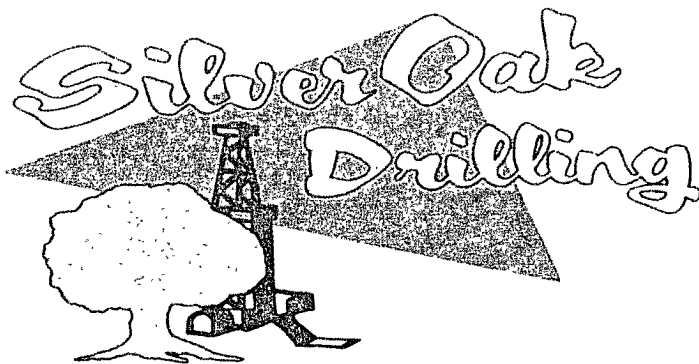
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	9	17-S	30-E		2310	SOUTH	330	EAST	EDDY

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>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=672410.8 N X=611912.3 E</p> <p>LAT = 32.848011° N LONG. = 103.968927° W</p>		<p>DETAIL</p> <p>3700.7' 3697.5'</p> <p>600'</p> <p>3693.7' 3699.7'</p>		<p>SEE DETAIL</p> <p>330'</p> <p>2310'</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>Jerry W. Sherrell</i> 12/15/06 Signature Date</p> <p>Jerry W. Sherrell 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>NOVEMBER 16, 2006</p> <p>Date Surveyed LA</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Gary A. Eidson</i> 12/07/06 06.11.1799</p> <p>Certificate No. GARY EIDSON 12641</p>						



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

April 29, 2008

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

RE: Polaris B Fed #10
231' FSL & 330' FEL
Sec. 9, T17S, R30E
Eddy, New Mexico

Dear Sir,

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

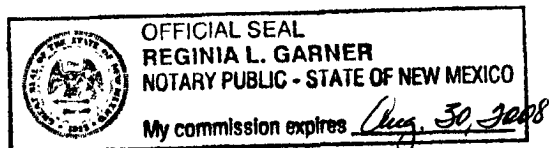
<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	<u>DEVIATION</u>
234.00	2.00	3346.00	1.50
780.00	0.75	3670.00	1.75
1030.00	1.00	4012.00	1.00
1270.00	1.25	4263.00	1.00
1570.00	1.25	4551.00	1.00
1792.00	1.75	5071.00	0.50
2170.00	1.50	5407.00	1.25
2470.00	1.25	5707.00	0.75
2770.00	0.25	6000.00	0.75
3070.00	0.50		

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 29th day of April, 2008.

Notary Public

Keltic Services, Inc

Box 1857
Artesia, NM
88211

505 748 3759

Temperature Survey

Company	COG OPERATING	Date	03/08/08
Well	POLARIS B FED #10	Time Plug Down	1400 hrs
		Time Start Survey	2200 hrs
		Time End Survey	2300 hrs
Casing String	SURFACE	Depth Reached	338 ft

Cement Top 270 ft.

Gauge 205

Operator: Julian

Witness: HECTOR CANO

Keltic Services Inc
Temperature Survey

Company COG OPERATING
Well POLARIS B FED #10

Date 3/8/08
Plug Down 1400 hrs
Survey Start 2200 hrs
Operator Julian

Cement Top 270 ft

Depth ft	Temp. °F	Comments
20	63.0	
50	64.2	
100	64.8	
150	65.3	
200	66.0	
250	66.7	
270	67.5	CT
300	72.0	
338	75.3	

