

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5 Lease Serial No
NMLC029342B

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		8 Lease Name and Well No. POLARIS B FEDERAL 13	
3 Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701-4287		9 API Well No. 30-015-37826-00-S1	
4 Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 9 T17S R30E Mer NMP SESE 504FSL 703FEL At top prod interval reported below Sec 9 T17S R30E Mer NMP At total depth SESE 330FSL 990FEL		10 Field and Pool, or Exploratory LOCO HILLS : <i>Glorieta-Yeso</i>	
14 Date Spudded 07/16/2010		15 Date T.D. Reached 07/26/2010	
16 Date Completed 08/31/2010		17 Elevations (DF, KB, RT, GL)* 3692 GL	
18 Total Depth. MD 6039 TVD 6017		19 Plug Back T D MD 5990 TVD 5968	
20 Depth Bridge Plug Set MD TVD		21 Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT	
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 type="checkbox"/> No <input checked="" 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 Cement Depth	No. of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17 500	13 375 H-40	48.0	0	453		992		0	
12 250	8 625 J-55	24.0	0	1336		700		0	
7 875	5 500 J-55	15.5	0	6039		950			

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	5449							

25 Producing Intervals

26 Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GLORIETA YESO			4450 TO 4740	0 410	19	OPEN
B) PADDOCK	4450	4740	4960 TO 5160	0 410	26	OPEN
C) BLINEBRY	5500	5700	5230 TO 5430	0 410	26	OPEN
D)			5500 TO 5700	0 410	26	OPEN

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
4450 TO 4740	ACIDIZE W/3,000 GALS 15% ACID.
4450 TO 4740	FRAC W/97,754 GALS GEL, 104,310# 16/30 WHITE SAND, 13,470# 16/30 SIBERPROP SAND
4960 TO 5160	ACIDIZE W/3,500 GALS 15% ACID
4960 TO 5160	FRAC W/108,713 GALS GEL, 127,711# 16/30 WHITE SAND, 31,175# 16/30 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
09/04/2010	09/05/2010	24	→	69.0	184.0	1120.0	38.7		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	→	69	184	1120	2667	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
09/04/2010	09/05/2010	24	→	69.0	184.0	1120.0	38.7	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	→	69	184	1120		POW	

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

ELECTRONIC SUBMISSION #92405 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)	31 Formation (Log) Markers
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	

Formation	Top	Bottom	Descriptions, Contents, etc	Name	Top Meas Depth
YATES QUEEN SAN ANDRES GLORIETA YESO TUBB	1230 2135 2865 4296 4402 5853		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE SAND & DOLOMITE DOLOMITE & ANHYDRITE	YATES QUEEN SAN ANDRES GLORIETA	1230 2135 2865 4296

32 Additional remarks (include plugging procedure)
Acid, Fracture, Treatment, Cement Squeeze etc continued .

5230 - 5430 ACIDIZE W/3,000 GALS 15% ACID
5230 - 5430 Frac w/114,188 gals gel, 145,811# 16/30 White sand, 31,275# 16/30 Siberprop sand

5500 - 5700 ACIDIZE W/3,500 GALS 15% ACID.
5500 - 5700 FRAC W/113,272 gals gel, 146,382# 16/30 White sand, 31,060# 16/30 Siberprop

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 #92405 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 09/09/2010 (10KMS2182SE)
Name (please print) KANICIA CARRILLO Title PREPARER

Signature (Electronic Submission) Date 09/08/2010

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 ****

Additional data for transaction #92405 that would not fit on the form

32. Additional remarks, continued

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