


 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

 AUG 21 2008
 OGD-ARTESIA

 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 ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
 b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resv
 Other

6 If Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

 2 Name of Operator
 COG OPERATING LLC

 Contact KANICIA CARRILLO
 E-Mail kcarrillo@conchoresources.com

 8. Lease Name and Well No.
 POLARIS B FEDERAL 19

 3 Address 550 WEST TEXAS AVE STE 1300
 MIDLAND, TX 79701

 3a Phone No (include area code)
 Ph: 432-685-4332

 9 API Well No
 30-015-35966

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Lot F 1800FNL 2310FWL 32 82674 N Lat, 103.99472 W Lon

At top prod interval reported below Lot F 1800FNL 2310FWL 32 82674 N Lat, 103.99472 W Lon

At total depth Lot F 1800FNL 2310FWL 32.82674 N Lat, 103.99472 W Lon

10 Field and Pool, or Exploratory
LOCO HILLS; GLORIETA-YESO11 Sec, T., R., M., or Block and Survey
or Area Sec 17 T17S R30E Mer12 County or Parish
EDDY13 State
NM14. Date Spudded
06/12/200815. Date T.D. Reached
06/22/2008
 16 Date Completed
☐ D & A ☒ Ready to Prod
 07/11/2008
17 Elevations (DF, KB, RT, GL)*
3666 GL18 Total Depth MD
TVD 585119. Plug Back T.D. MD
TVD 579820 Depth Bridge Plug Set MD
TVD21 Type Electric & Other Mechanical Logs Run (Submit copy of each)
COMPENSATED NEUTRON CCL
 22 Was well cored? ☒ No ☐ Yes (Submit analysis)
 Was DST run? ☒ No ☐ Yes (Submit analysis)
 Directional Survey? ☒ No ☐ 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 H40	48 0		432		450		0	250
11.000	8 625 J55	32 0		1311		600		0	197
7 875	5.500 J55	17 0		5850		1100		0	150

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	4722							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) YESO	4860	5060	4860 TO 5060	0.410	36	OPEN
B) YESO	5160	5360	5160 TO 5360	0.410	36	OPEN
C) YESO	5480	5680	5480 TO 5680	0.410	48	OPEN
D)						

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

Depth Interval	Amount and Type of Material
4860 TO 5060	ACIDIZE W/2,500 GALS ACID FRAC W/118,548 GALS GEL, 148,480# 16/30 SAND, 32,200# CRC SAND
5160 TO 5360	ACIDIZE W/3,500 GALS ACID FRAC W/121,881 GALS GEL, 148,440# 16/30 SAND, 39,570# CRC SAND
5480 TO 5680	ACIDIZE W/3,500 GALS ACID FRAC W/128,016 GALS GEL, 148,440# 16/30 SAND, 31,770# 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
07/14/2008	07/21/2008	24	→	183 0	328 0	396 0	38 7		ELECTRIC PUMPING UNIT
Choke Size	Fbg 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	Fbg 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 #62406 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

[illegible]

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	

<p>30. Summary of Porous Zones (Include Aquifers).</p> <p>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</p>	<p>31. Formation (Log) Markers</p>	
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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

<p>30. Summary of Porous Zones (Include Aquifers).</p> <p>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</p>	<p>31. Formation (Log) Markers</p>	
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Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top	
					Meas	Depth
YATES	1170					
7 RIVERS	1450					
QUEEN	2050					
YESO	4280					
TUBB	5750					

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 #62406 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 08/19/2008

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., HOHBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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

DISTRICT IV
1220 S ST FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 16	Pool Code 96718	Pool Name LOLO HILLS GEORGINA YESO
Property Code 16	Property Name POLARIS B FEDERAL	Well Number 19
GRID No. 16	Operator Name COG OPERATING, LLC	Elevation 3666'

Surface Location

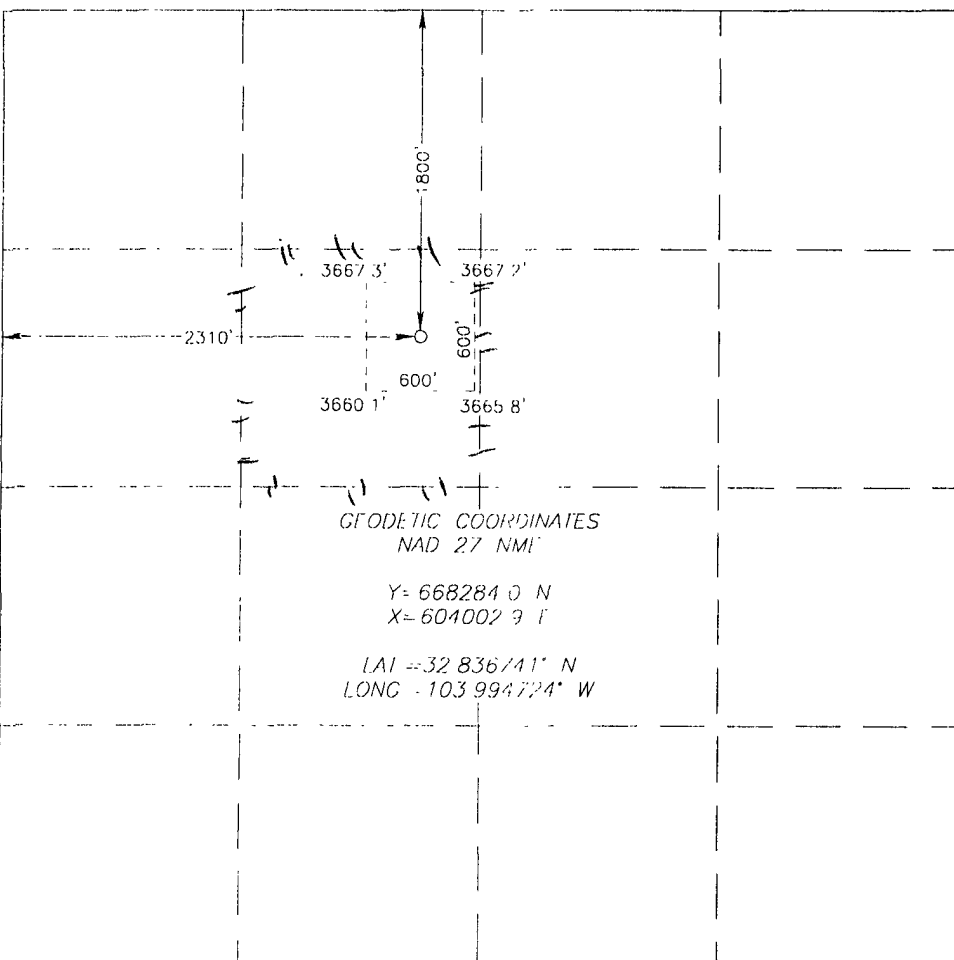
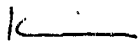
UL or lot No	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	17	17-S	30-E		1800	NORTH	2310	WEST	EDDY

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	Joint or Infill	Consolidation Code	Order No.
1.0			

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> 08/10/08</p> <p>Signature _____ Date _____</p> <p>Printed Name <u>Kanidia Carrillo</u></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 1013</p> <p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p>
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June 30, 2008

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

RE: Polaris B Federal #19
1800' 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>
673.00	1.00	3309.00	1.00
892.00	1.25	3660.00	0.25
1179.00	1.25	3915.00	0.75
1272.00	1.00	4138.00	0.75
1558.00	1.00	4393.00	0.50
1814.00	1.00	4647.00	1.00
2069.00	1.00	4902.00	1.00
2259.00	1.00	5157.00	1.00
2576.00	1.25	5444.00	1.00
2833.00	0.75	5781.00	1.00
3028.00	1.00		

Very truly yours,

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 30th day of June, 2008.

Notary Public