

DISTRICT I
1625 N FRENCH DR., HOBBS, NM 88240

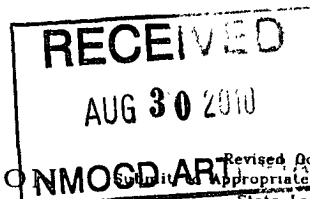
DISTRICT II
1361 W. GRAND AVENUE, ARTESIA, NM 88210

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
Submitted to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

| | | |
|----------------------------|-------------------------------------|----------------------------------------|
| API Number 30-015-36709 | Pool Code 96718 | Pool Name Loco Hills;Glorieta, Yeso |
| Property Code 302547 | Property Name POLARIS B FEDERAL | Well Number 23 |
| OGRID No. 229137 | Operator Name COG OPERATING, LLC | Elevation 3686' |

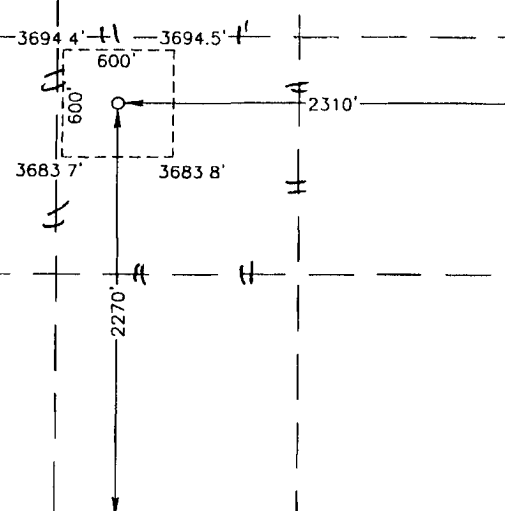

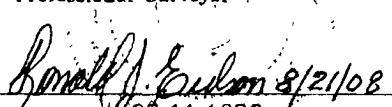
Surface Location

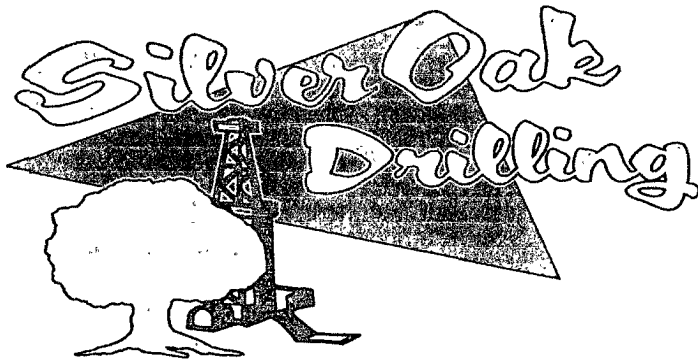
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| J | 9 | 17-S | 30-E | | 2270 | SOUTH | 2310 | EAST | EDDY |

Bottom Hole Location If Different From Surface

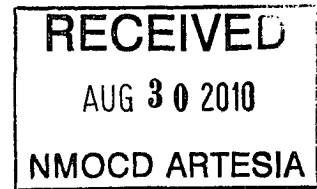
| UL or lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|-----------------------|-----------------|--------------------|-----------|---------|---------------|------------------|---------------|----------------|--------|
| | | | | | | | | | |
| 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 Y=672366.9 N X=609932.9 E LAT.=32.847909° N LONG.=103.975373° W</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> 8/16/10 Signature Date Kanicia Carrillo 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>AUGUST 8, 2008</p> <p>Date Surveyed AR Signature & Seal of Professional Surveyor  08.11.1090 Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p> |
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PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



June 8, 2010

3D-015-36709

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

RE: Polaris B Federal #23
2270' FSL & 2310' FEL
Sec. 9, T17S, R30E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

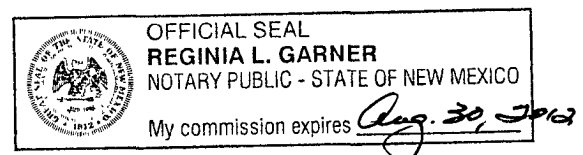
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 8th day of June, 2010.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public

Polaris B Fed #23

| Date | Depth | Dev/Inc. | TVD |
|-----------|-------|----------|---------|
| 5/28/2010 | 222 | 0.20 | 262.00 |
| 6/1/2010 | 709 | 0.70 | 744.00 |
| 6/2/2010 | 1370 | 2.30 | 0.00 |
| 6/2/2010 | 1625 | 1.30 | 0.00 |
| 6/3/2010 | 2102 | 1.50 | 274.00 |
| 6/3/2010 | 2602 | 0.70 | 0.00 |
| 6/3/2010 | 3089 | 0.00 | 3161.00 |
| 6/4/2010 | 3568 | 0.60 | 3640.00 |
| 6/4/2010 | 4046 | 0.30 | 0.00 |
| 6/5/2010 | 4524 | 0.90 | 4596.00 |
| 6/5/2010 | 5004 | 0.00 | 5074.00 |
| 6/5/2010 | 5185 | 0.90 | 0.00 |
| 6/6/2010 | 5607 | 0.20 | 5679.00 |
| 6/7/2010 | 5944 | 1.90 | 6014.00 |