

30-015-35649-00-00

POLARIS B FEDERAL No. 006

**Company Name:** COG OPERATING LLC**Location:** Sec: 9 T: 17S R: 30E Spot:

Lat: 32.8450217211355 Long: -103.973848442934

**Property Name:** POLARIS B FEDERAL**County Name:** Eddy**String Information****Cement Information****Perforation Information**

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Sqz
0	0			

**Formation Information**

St Code	Formation	Depth
Prust	Rustler	322
Psal	Salado	585
Pbslt	Base of Salt	1092
Pyts	Yates	1246
Psr	Seven Rivers	1542
Psrbs	Bowers Sand	1912
Pqu	Queen	2142
Pgb	Grayburg	2554
Psa	San Andres	2868
Plvsd	Lovington Sand	2958
Pgl	Glorieta	4289
Py	Yeso Formation	4396
Pytu	Tubb	5840

Hole: Unknown

TD:

TVD: 99999

PBTD:

DISTRICT I  
1625 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 30-015-35649	Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 302547	Property Name POLARIS B FEDERAL	Well Number 6
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3697'

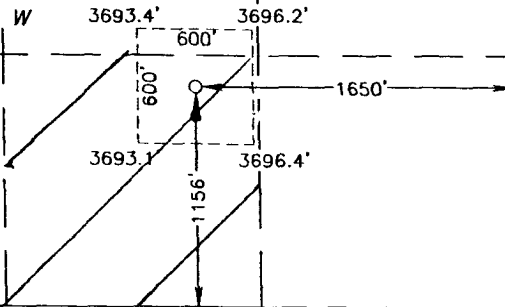
Surface Location

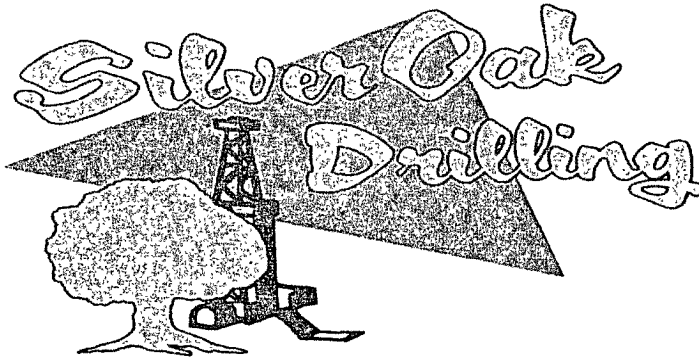
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	17-S	30-E		1156	SOUTH	1650	EAST	EDDY

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=671254.6 N X=610596.7 E  LAT.=32.844846° N LONG.=103.973224° 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><i>Jerry W. Sherrell</i> 12/13/06 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>NOVEMBER 21, 2006</p> <p>Date Surveyed LA Signature &amp; Seal of Professional Surveyor <i>Gary A. Eidsen</i> 12/07/06 06.11.1795 Certificate No. GARY EIDSON 12841</p>
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PO Box 1370  
Artesia, NM 88211-1370  
(505) 748-1288

August 23, 2007

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

RE: Polaris B Federal #6  
1156' FSL & 1650' FEL  
Sec. 9, 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>
202.00	0.50	3031.00	1.00
360.00	0.75	3321.00	1.00
534.00	0.50	3634.00	1.00
702.00	0.25	3925.00	0.75
1208.00	1.50	4211.00	1.00
1508.00	0.75	4493.00	1.50
1824.00	0.50	4816.00	1.00
2124.00	0.50	5105.00	0.75
2400.00	0.50	5398.00	1.00
2718.00	0.50	5706.00	1.00

Very truly yours,

Eddie LaRue  
Operations Manager

State of New Mexico }  
County of Eddy }

The foregoing was acknowledged before me this 23<sup>rd</sup> day of August, 2007.

  
Notary Public