

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



006 Operating LLC
 POLARIS B FEDERAL
 5752

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
 WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☒ Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

PHYLLIS A. EDWARDS
 Print or Type Name

Phyllis A. Edwards
 Signature

REGULATORY ANALYST
 Title

11/26/07
 Date

pedwards@conchoresources.com
 e-mail Address

RECEIVED
 2007 NOV 27 AM 9 08

**Polaris B Federal 17
Eddy County, NM**

COG proposes to drill a South ½, 40 acre spacing
Loco Hills; Glorieta-Yeso oil well
TD of approximately 5900'

1600' FSL & 1659' FWL Sec 9, T17S, R30E, Unit K

This well had to be drilled at a non-standard location due to sand dunes.

The plan for this well is to complete it in the Yeso formation.
We won't know the exact perms until we drill & log it, but it will be very similar to the Polaris B Federal #5 (330' FSL & 330' FWL, UL P) which was completed in November 2006.

The Polaris B Federal #5 completion broke the Yeso up into 4 perf/stimulation intervals. At this time, we assume the Polaris B Federal 17 should be very similar.

Polaris B Federal #5 has perms from: 4465' – 5782' overall, but broken up into 4 separate intervals, with 4 separate fracs

1st interval: 5569.5' – 5782',
acidized w/ 3000 gals,
frac'd w/ 97,104 gals gel, 8,174 # LiteProp, & 87,611# 16/30 sand.

2nd interval: 5258' – 5478',
acidized w/ 3000 gals,
frac'd w/ 108,600 gals 30# gel, 58,900 gals 40# gel, 8012# LiteProp, & 91,700# 16/30 sand.

3rd interval: 4942' – 5155',
acidized w/ 3000 gals,
frac'd w/ 94,710 gals gel, 7,985# LiteProp, & 90,837# 16/30 sand.

4th interval: 4465' – 4750',
acidized w/ 2500 gals,
frac'd w/ 32,545 gals 30# gel, 61,576 gals 30# gel, 91,820# 16/30 sand & 8023# LiteProp.

**Attachment 1
Plat**

**Attachment 2
Map & legend of offset wells.**

Attachment 3
Updated land plat showing that COG Operating LLC owns offset acreage.
The acreage we are encroaching on is the SE/4 of the SW/4 of Section 9.
COG owns all of the SW/4 of Section 9.
Interests are the same.

COG Operating LLC respectfully requests permission to have this NSL approved.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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 III
Rio Brazos Rd., Aztec, NM 87410

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-35932	Pool Code 96718	Pool Name <i>under</i> LOCO HILLS; GLORIETA-YESO
Property Code 302547	Property Name POLARIS B FEDERAL	Well Number 17
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3690'

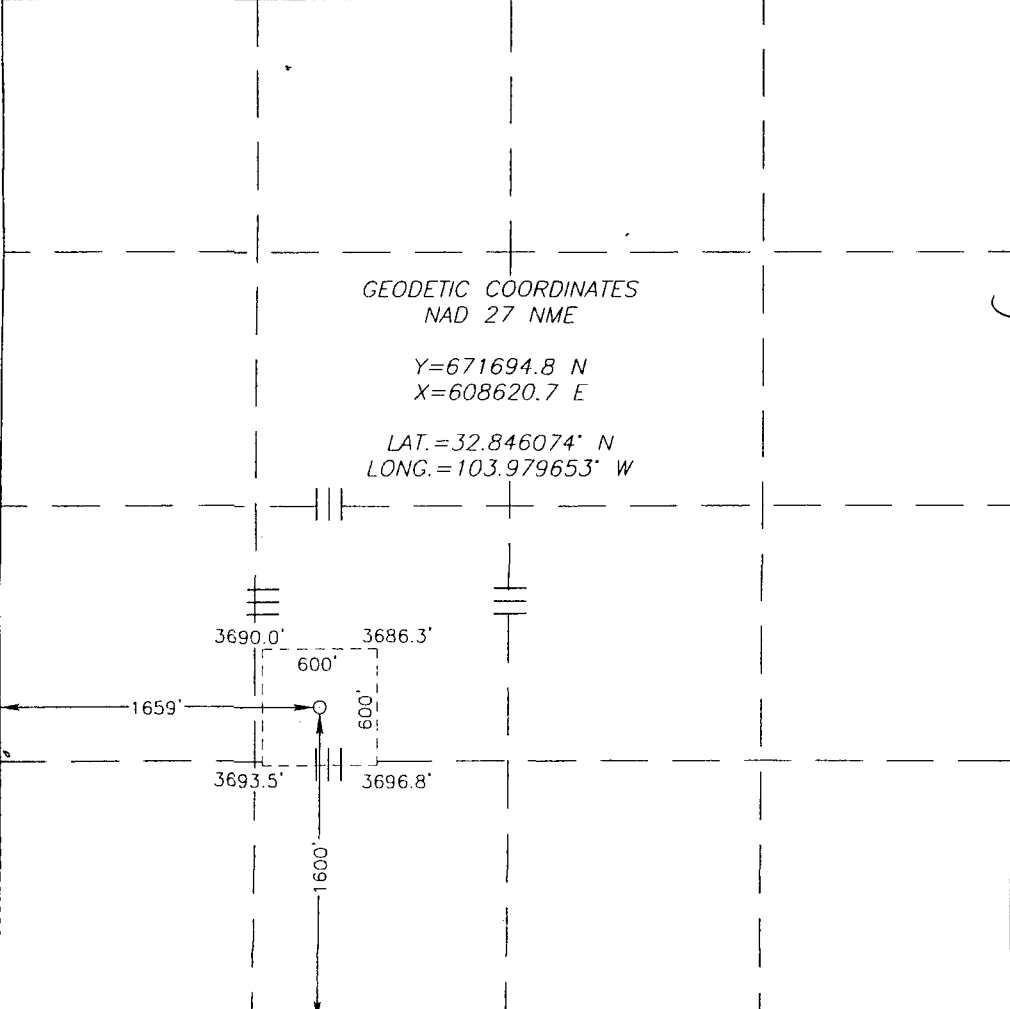
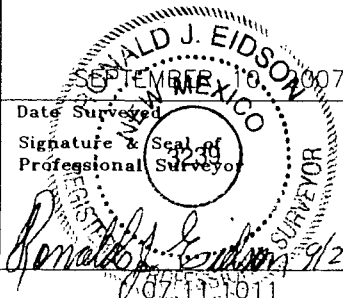
Surface Location

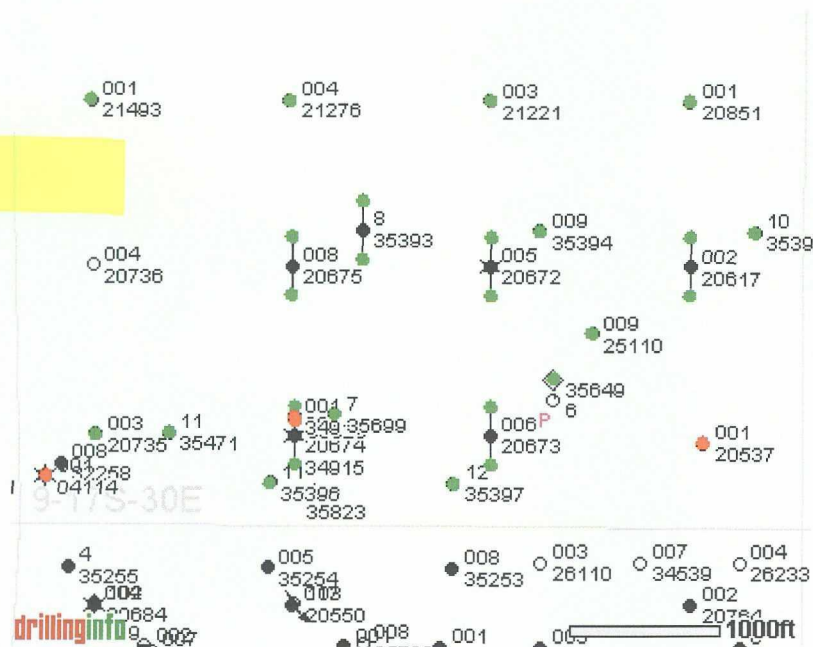
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	9	17-S	30-E		1600	SOUTH	1659	WEST	EDDY

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 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

GEODETIC COORDINATES NAD 27 NME Y=671694.8 N X=608620.7 E LAT.=32.846074° N LONG.=103.979653° W 	OPERATOR CERTIFICATION 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. <i>Phyllis A. Edwards</i> 9-26-07 Signature Date Phyllis A. Edwards-Regulatory Printed Name Analyst SURVEYOR CERTIFICATION 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.  Date Surveyed: 9/25/07 AR Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239
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Offset Wells to Polaris B Federal 17

API#	Operator	Lease	Well#	County	Legal	Last Prod.	Field Name	Reservoir Name	Total Well Depth	Status
30-015-20537	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	001	EDDY	S:9, T:17S, R:30E	Jun 2007	GRAYBURG JACKSON	SR-Q-G-SA	2,900	Injection Well
30-015-20617	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	002	EDDY	S:9, T:17S, R:30E	Apr 2005	GRAYBURG JACKSON	SR-Q-G-SA		Active
30-015-20617	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	002	EDDY	S:9, T:17S, R:30E	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Active
30-015-20672	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	005	EDDY	S:9, T:17S, R:30E	Sep 2004	GRAYBURG JACKSON	SR-Q-G-SA		Flowing
30-015-20672	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	005	EDDY	S:9, T:17S, R:30E	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Flowing
30-015-20673	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	006	EDDY	S:9, T:17S, R:30E	Aug 2007	GRAYBURG JACKSON	SR-Q-G-SA		Active
30-015-20673	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	006	EDDY	S:9, T:17S, R:30E	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Active
30-015-20674	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	007	EDDY	S:9, T:17S, R:30E	Dec 1982	GRAYBURG JACKSON	SR-Q-G-SA		Flowing
30-015-20674	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	007	EDDY	S:9, T:17S, R:30E	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Flowing
30-015-20675	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	008	EDDY	S:9, T:17S, R:30E	Dec 1977	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			Shut-in
30-015-20675	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	008	EDDY	S:9, T:17S, R:30E	Jun 2007	GRAYBURG JACKSON	SR-Q-G-SA		Shut-in
30-015-20851	SEELY OIL CO	ARCO FEDERAL	001	EDDY	S:9, T:17S, R:30E	Aug 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Active
30-015-21221	SEELY OIL CO	ARCO FEDERAL	003	EDDY	S:9, T:17S, R:30E	Aug 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Pumping
		ARCO			S:9,					

30-015-21221	SEELY OIL CO	FEDERAL	003	EDDY	T:17S, R:30E	Aug 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Pumping
30-015-21276	SEELY OIL CO	ARCO FEDERAL	004	EDDY	S:9, T:17S, R:30E	Aug 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Pumping
30-015-21436	SEELY OIL CO	ARCO FEDERAL	005	EDDY	S:9, T:17S, R:30E	Aug 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Pumping
30-015-21437	SEELY OIL CO	ARCO FEDERAL	006	EDDY	S:9, T:17S, R:30E	Aug 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Pumping
30-015-21493	SEELY OIL CO	PARKE G FEDERAL	001	EDDY	S:9, T:17S, R:30E	Apr 2007	SQUARE LAKE	GRAYBURG-SAN ANDRES	0	Pumping
30-015-25110	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	009	EDDY	S:9, T:17S, R:30E	Oct 2006	GRAYBURG JACKSON	SR-Q-G-SA		Shut-in
30-015-20735		HOLDER CB NCT B FEDERAL	003	EDDY	S:9, T:17S, R:30E		GRAYBURG JACKSON	SR-Q-G-SA		Active
30-015-04114		HOLDER CB NCT B FEDERAL	001	EDDY	S:9, T:17S, R:30E	Dec 1993	GRAYBURG JACKSON	SR-Q-G-SA		Active
30-015-35823	GRUY PETROLEUM MANAGEMENT CO.	STEWART 9 FEDERAL COM	1	EDDY	S:9, T:17S, R:30E		LOCO HILLS	MORROW (GAS)	11,650	Active Permit
30-015-34915	GRUY PETROLEUM MANAGEMENT CO.	STEWART 9 FEDERAL COM	001	EDDY	S:9, T:17S, R:30E		LOCO HILLS	MORROW (GAS)	11,650	Active Permit
30-015-34707	CHEVRON USA, INC.	POLARIS B FEDERAL	5	EDDY	S:9, T:17S, R:30E	Nov 2006	LOCO HILLS; GLORIETS YESO		5,985	Active Permit
30-015-35393	CHEVRON USA, INC.	POLARIS B FEDERAL	8	EDDY	S:9, T:17S, R:30E		LOCO HILLS	PADDOCK	5,970	Active
30-015-35394	CHEVRON USA, INC.	POLARIS B FEDERAL	009	EDDY	S:9, T:17S, R:30E		LOCO HILLS	PADDOCK	6,000	Active Permit
30-015-35395	CHEVRON USA, INC.	POLARIS B FEDERAL	10	EDDY	S:9, T:17S, R:30E		LOCO HILLS	PADDOCK	6,000	Active
30-015-35396	CHEVRON USA, INC.	POLARIS B FEDERAL	11	EDDY	S:9, T:17S, R:30E		LOCO HILLS	PADDOCK	6,000	Active

30-015-35397	CHEVRON USA, INC.	POLARIS B FEDERAL	12	EDDY	S:9, T:17S, R:30E	LOCO HILLS	PADDOCK	6,000	Active
30-015-34707	COG OPERATING LLC	POLARIS B FEDERAL	5	EDDY	S:9, T:17S, R:30E Aug 2007	LOCO HILLS	PADDOCK	5,985	Active Permit
30-015-35471	CHEVRON USA, INC.	HOLDER CB FEDERAL	11	EDDY	S:9, T:17S, R:30E	LOCO HILLS	PADDOCK	6,000	Active
30-015-35649	CHEVRON USA, INC.	POLARIS B FEDERAL	6	EDDY	S:9, T:17S, R:30E	LOCO HILLS	PADDOCK	6,000	Active
30-015-35699	CHEVRON USA, INC.	POLARIS B FEDERAL	7	EDDY	S:9, T:17S, R:30E	LOCO HILLS	PADDOCK	6,000	Active Permit
30-015-35393	COG OPERATING LLC	POLARIS B FEDERAL	8	EDDY	S:9, T:17S, R:30E	LOCO HILLS; GLORIETA YESO		5,970	Active

[illegible]