

ABOVE THIS LINE FOR DIVISION USE ONLY

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



C06
Polaris B Fed #14
5671

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

8-1-07
Date

432-685-4340

pedwards@conchoresources.com
e-mail Address

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2007 AUG 3 PM 12 03

Polaris B Federal #14

COG proposes to drill a NW / 4, 40 acre spacing
Loco Hills; Glorieta-Yeso oil well
TD of approximately 6500'

COG received BLM approval to drill this unorthodox location on 6-30-07.

Location:
1175' FNL & 1630' FWL Sec 17, T17S, R30E, Unit C Eddy County, NM

This well had to be drilled at a non-standard location due to electric line and pipeline constrictions.

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 Caddo Federal #2 (330' FNL & 2310' FEL, UL B) which was completed in May 2007.

The Caddo Federal #2 completion broke the Yeso up into 3 perf/stimulation intervals. At this time, we assume the Polaris B Federal #14 should be very similar.

Caddo Federal #2 has perms from: 4861' – 5702' overall, but broken up into 3 separate intervals, with 3 separate fracs.

1st interval: 4861' – 5172',
acidized w/ 2500 gals,
frac'd w/ 93,274 gals gel, 8,032 # LiteProp, & 91,360# 16/30 sand.

2nd interval: 5278' – 5381',
acidized w/ 1475 gals,
frac'd w/ 8006 gals gel, 8000# LiteProp, & 81,980# 16/30 sand.

3rd interval: 5520' – 5702',
acidized w/ 1375 gals,
frac'd w/ 82,467 gals gel, 8000# LiteProp, & 80,095# 16/30 sand.

Attachment 1

Permit, plat, & plat showing electric line and pipeline

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing COG Operating LLC acreage. The acreage we are encroaching on is the NW / 4 of the NW / 4 and the SE / 4 of the NW / 4 of Section 17. COG owns all of the NW / 4 of Section 17.

COG Operating LLC respectfully requests permission to produce this well after COG drills from this unorthodox location.

ATS-07471

OCD-ARTESIA

JUL - 3 2007

Form 3160-3
(April 2004)



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

880

OCD-ARTESIA

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a Type of work- ☒ DRILL ☐ REENTER		7 If Unit or CA Agreement, Name and No	
1b Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☐ Single Zone ☐ Multiple Zone		8, Lease Name and Well No. Polaris B Federal #14	
2 Name of Operator COG Operating LLC		9 API Well No. 30-015-35701	
3a Address 550 W. Texas, Suite 1300 Midland, TX 79701		10. Field and Pool, or Exploratory Loco Hills; Glorietta Yeso	
3b Phone No (include area code) (505)685-4372		11. Sec., T. R. M or Blk and Survey or Area Sec. 17 T17S R30E	
4 Location of Well (Report location clearly and in accordance with any State requirements*) At surface 1175 FNL & 1630 FWL At proposed prod. zone Roswell Controlled Water Basin		12 County or Parish Eddy	
14 Distance in miles and direction from nearest town or post office* 2 miles north of Loco Hills, NM		13 State NM	
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drlg unit line, if any) 145	16 No. of acres in lease 80	17. Spacing Unit dedicated to this well 40	
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 660	19. Proposed Depth 6500' perfor. 6180'	20. BLM/BIA Bond No on file NMB000215	
21 Elevations (Show whether DF, KDB, RT, GL, etc.) 3664' GR	22 Approximate date work will start* 7/4/07	23. Estimated duration 12 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form.

- | | |
|---|---|
| 1 Well plat certified by a registered surveyor | 4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2 A Drilling Plan | 5 Operator certification |
| 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6 Such other site specific information and/or plans as may be required by the authorized officer. |

25 Signature 	Name (Printed/Typed) Jerry W. Sherrell	Date 6/4/07
Title Production Clerk		
Approved by (Signature) /s/ James Stovall	Name (Printed/Typed) /s/ James Stovall	Date JUN 30 2007
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached

APPROVAL FOR TWO YEARS

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.

*(Instructions on page 2)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

NSL - Required to produce
Drill Only

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

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT III
1000 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 -35701		Pool Code 96718	Pool Name Loco Hills Glorieta Yeso
Property Code 302547	Property Name POLARID B FEDERAL		Well Number 14
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3664'

Surface Location

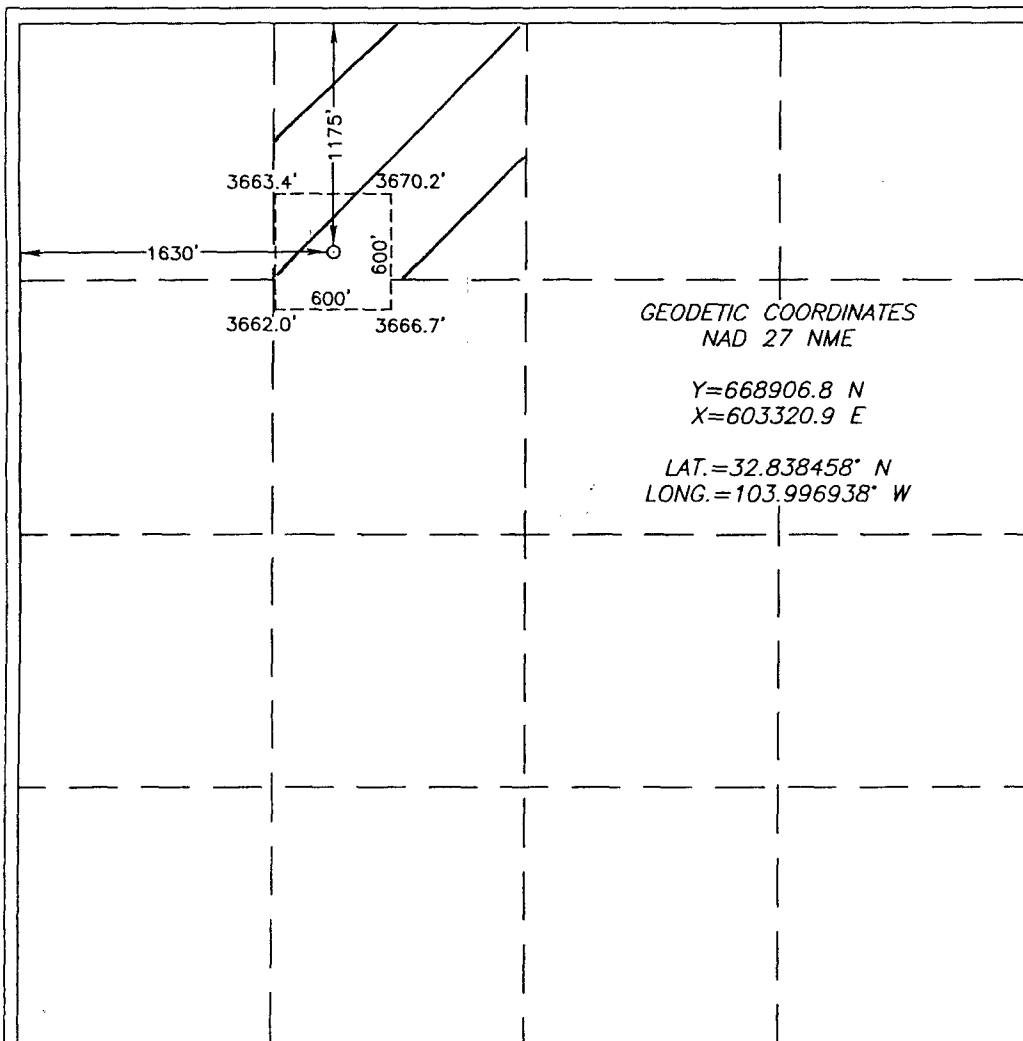
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	17	17-S	30-E		1175	NORTH	1630	WEST	EDDY

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
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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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



OPERATOR CERTIFICATION

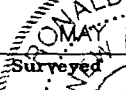
I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant 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.

James W. Shendell 6/4/07
Signature Date

Jerry W. Sherrell
Printed Name

SURVEYOR CERTIFICATION

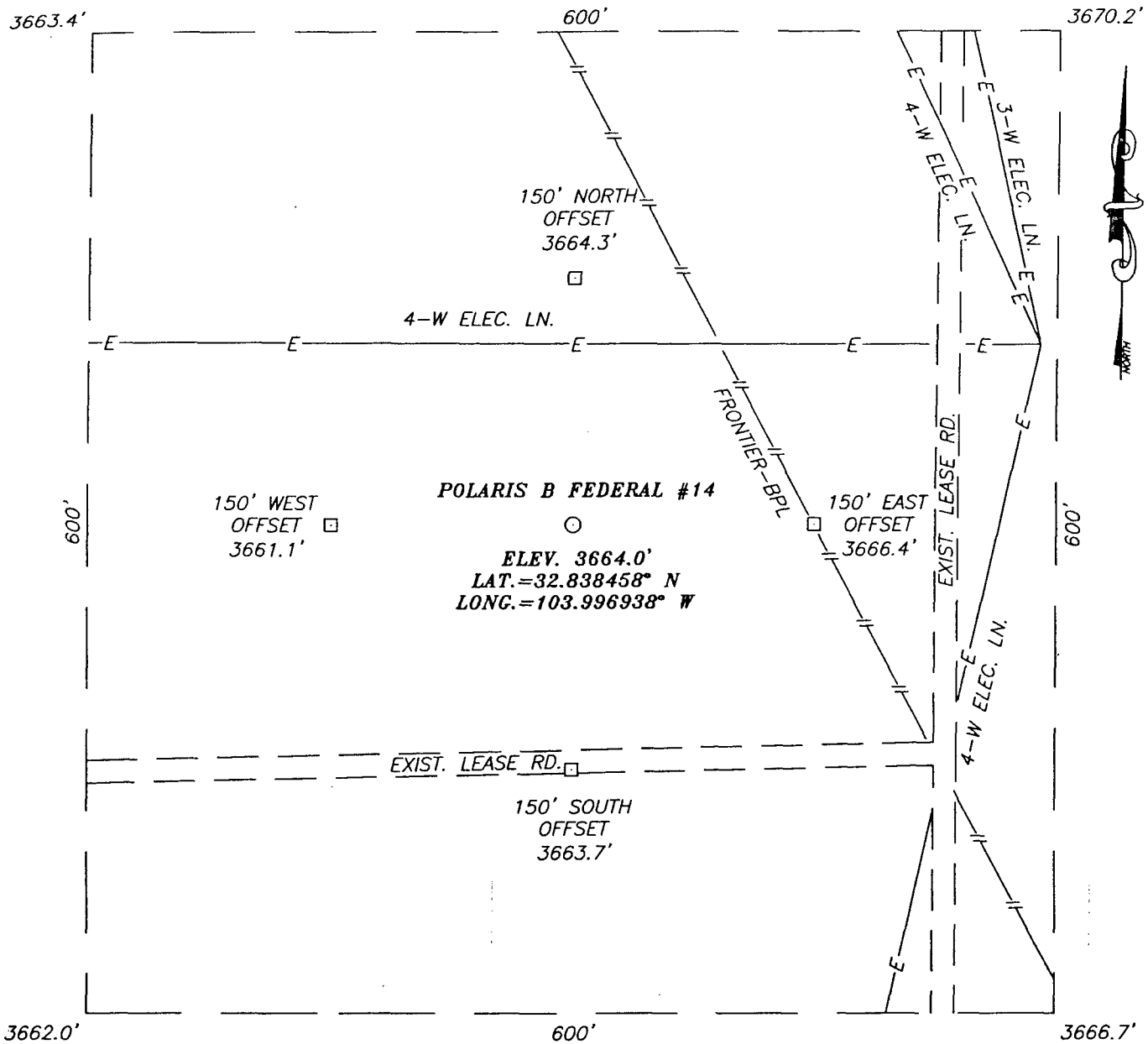
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.


 Date Surveyed: May 11 2000 AR
 Signature & Seal of
 Professional Surveyor 3220
Ronald J. Eidson 5/21/07
 07-TP0627

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

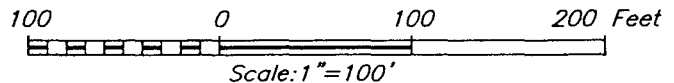
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Nov 23 2007



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF US. HWY. #82 AND CO. RD. #217 (HAGERMAN CUTOFF), GO NORTH ON CO. RD. #217 APPROX. 0.9 MILES TO LEASE RD. TURN LEFT AND GO WEST APPROX. 0.6 MILES TO CATTLE GUARD. TURN RIGHT AND GO NORTHEAST APPROX. 0.1 MILE. TURN LEFT AND GO WEST APPROX. 0.2 MILE TURN RIGHT AND GO NORTH APPROX. 0.1 MILE. THIS LOCATION IS WEST APPROX. 200 FEET.



COG OPERATING, LLC

POLARIS B FEDERAL #14 WELL
 LOCATED 1175 FEET FROM THE NORTH LINE
 AND 1630 FEET FROM THE WEST LINE OF SECTION 17,
 TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

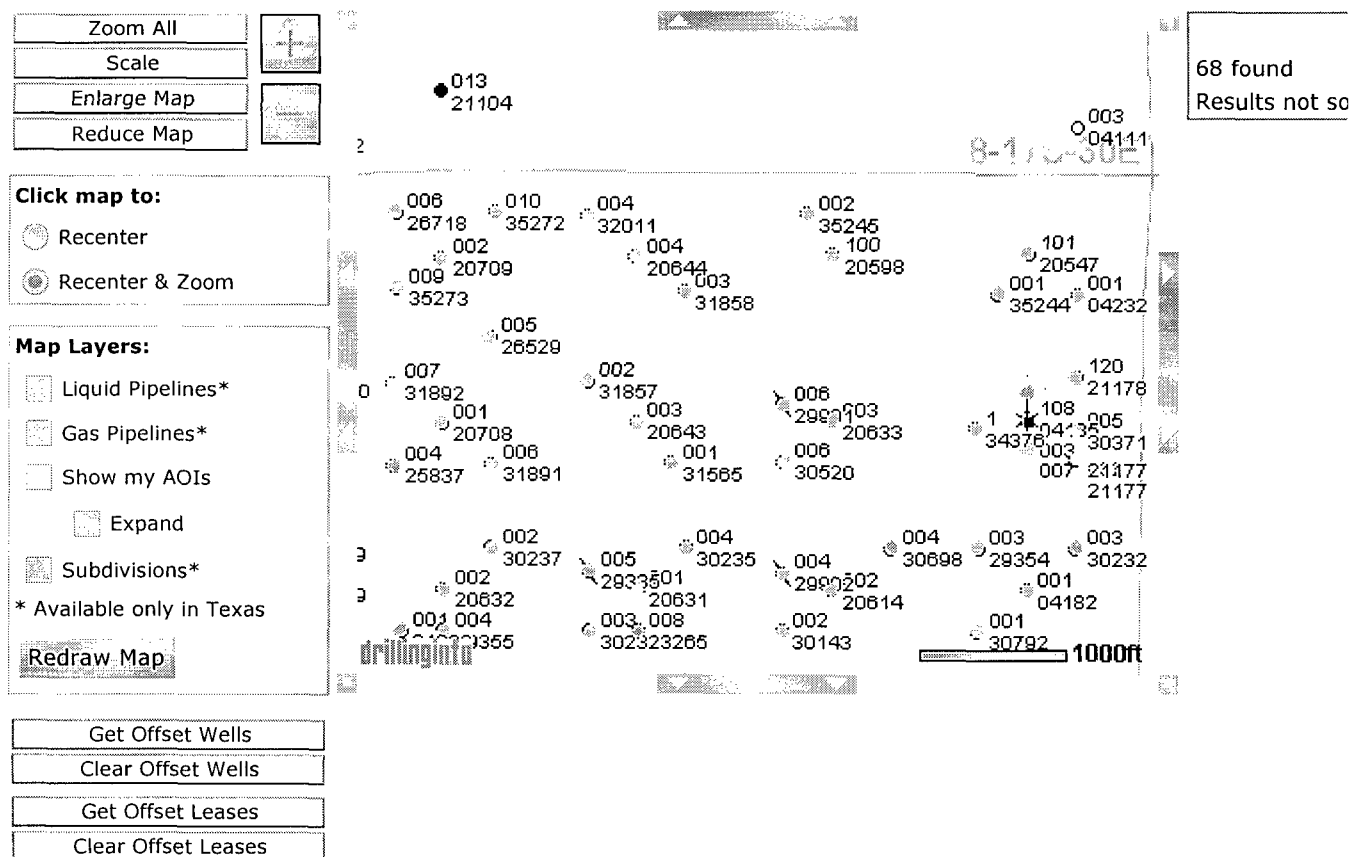
Survey Date: 05/11/07	Sheet 1 of 1 Sheets
W.O. Number: 07.11.0627	Dr By: AR
Date: 05/21/07	Disk: 07110627
	Rev 1: N/A
	Scale: 1"=100'



PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117

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Offset Wells to Polaris B Federal #14 - Change Title



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LOCO HILLS

Offset Wells to Polaris B Federal #14

API#	Company	Current Lease Name	Well Name	Well#	County	Legal	Depth	status	wellType	Shut In
30-015-04182	SOUTHLAND ROYALTIES INC		GOV MCINTYRE 1 FEDERAL 001	001	EDDY	S:17, T:17S, R:30E	0	Pumping	O	
30-015-04185	COG OPERATING LLC	ETZ STATE UNIT	ETZ STATE UNIT 108	108	EDDY	S:17, T:17S, R:30E	3251	Pumping	O	
30-015-30371	MARBOB ENERGY CORPORATION	BIRDIE FEDERAL	BIRDIE FEDERAL 005	005	EDDY	S:17, T:17S, R:30E	4850	Pumping	O	08/25/1
30-015-30520	MARBOB ENERGY CORPORATION	BIRDIE FEDERAL	BIRDIE FEDERAL 006	006	EDDY	S:17, T:17S, R:30E	4729	Pumping	O	06/16/1
30-015-30698	MARBOB ENERGY CORPORATION	RED FEDERAL	RED FEDERAL 004	004	EDDY	S:17, T:17S, R:30E	4765	Pumping	O	07/24/1
30-015-30231	MARBOB ENERGY CORPORATION	BIRDIE FEDERAL	BIRDIE FEDERAL 003	003	EDDY	S:17, T:17S, R:30E	4900	Pumping	O	05/10/1
30-015-30232	MARBOB ENERGY CORPORATION	RED FEDERAL	RED FEDERAL 003	003	EDDY	S:17, T:17S, R:30E	4821	Pumping	O	05/11/1
30-015-30235	MARBOB ENERGY CORPORATION	BIRDIE FEDERAL	BIRDIE FEDERAL 004	004	EDDY	S:17, T:17S, R:30E	4735	Pumping	O	06/02/1
30-015-30237	MARBOB ENERGY CORPORATION	BIRDIE FEDERAL	BIRDIE FEDERAL 002	002	EDDY	S:17, T:17S, R:30E	4723	Pumping	O	05/20/1
30-015-29901	SOUTHLAND ROYALTIES INC	ARCO FEDERAL	ARCO FEDERAL 006	006	EDDY	S:17, T:17S, R:30E		Cancelled	X	
30-015-29902	SOUTHLAND ROYALTIES INC	MCINTYRE FEDERAL	MCINTYRE FEDERAL 004	004	EDDY	S:17, T:17S, R:30E		Cancelled	X	
30-015-30143	MARBOB ENERGY CORPORATION	RED FEDERAL	RED FEDERAL 002	002	EDDY	S:17, T:17S, R:30E	4815	Pumping	O	04/10/1
30-015-29335	SOUTHLAND ROYALTIES INC	ARCO FEDERAL	ARCO FEDERAL 005	005	EDDY	S:17, T:17S, R:30E		Cancelled	X	
30-015-29354	SOUTHLAND ROYALTIES INC	MCINTYRE F	MCINTYRE F 003	003	EDDY	S:17, T:17S, R:30E		Unknown	PO	
30-015-29355	SOUTHLAND ROYALTIES INC	ARCO FEDERAL	ARCO FEDERAL 004	004	EDDY	S:17, T:17S, R:30E		Unknown	PO	
30-015-26529	COG OPERATING LLC	HOLDER CB FEDERAL	HOLDER CB FEDERAL 005	005	EDDY	S:17, T:17S, R:30E	0	Pumping	PO	12/13/1
30-015-25837	COG OPERATING LLC	HOLDER CB FEDERAL	HOLDER CB FEDERAL 004	004	EDDY	S:17, T:17S, R:30E		Pumping	O	11/30/1
30-015-20598	COG OPERATING LLC		ETZ STATE UNIT 100	100	EDDY	S:17, T:17S, R:30E	0	Pumping	O	
30-015-20614	SOUTHLAND ROYALTIES INC		GOV MCINTYRE 1 FEDERAL 002	002	EDDY	S:17, T:17S, R:30E	0	Pumping	O	10/21/1
30-015-21177	MACK ENERGY CORP	MCINTYRE D	MCINTYRE D 002	002	EDDY	S:17, T:17S, R:30E	0	Flowing	O	06/14/1
30-015-21178	COG OPERATING LLC	ETZ STATE UNIT	ETZ STATE UNIT 120	120	EDDY	S:17, T:17S, R:30E	0	Pumping	O	
30-015-20547	MACK ENERGY CORPORATION	ETZ STATE UNIT #101	ETZ STATE UNIT 101	101	EDDY	S:17, T:17S, R:30E	0	Plugged	I	01/21/1
30-015-20631	SOUTHLAND ROYALTIES INC		ARCO FEDERAL 001	001	EDDY	S:17, T:17S, R:30E	0	Pumping	O	02/18/1
30-015-20632	SOUTHLAND ROYALTIES INC		ARCO FEDERAL 002	002	EDDY	S:17, T:17S, R:30E	0	Pumping	O	01/17/1

30-015-20633	SOUTHLAND ROYALTIES INC		ARCO FEDERAL 003	003	EDDY	S:17, T:17S, R:30E 0	Pumping	O	01/21/1
30-015-20643	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	LOCO HILLS B FEDERAL 003	003	EDDY	S:17, T:17S, R:30E	Pumping	O	01/29/1
30-015-20644	CBS OPERATING CORPORATION	LOCO HILLS B FEDERAL	LOCO HILLS B FEDERAL 004	004	EDDY	S:17, T:17S, R:30E	Active	O	02/06/1
30-015-20708	COG OPERATING LLC		HOLDER CB FEDERAL 001	001	EDDY	S:17, T:17S, R:30E 0	Pumping	O	08/19/1
30-015-20709	COG OPERATING LLC		HOLDER CB FEDERAL 002	002	EDDY	S:17, T:17S, R:30E 0	Pumping	O	
30-015-30792	MARBOB ENERGY CORPORATION	RED FEDERAL	RED FEDERAL 001	001	EDDY	S:17, T:17S, R:30E 4740	Pumping	O	
30-015-31330	MARBOB ENERGY CORPORATION	BIRDIE FEDERAL	BIRDIE FEDERAL 001	001	EDDY	S:17, T:17S, R:30E 4772	Pumping	O	
30-015-31565	COG OPERATING LLC	POLARIS B FEDERAL	POLARIS B FEDERAL 001	001	EDDY	S:17, T:17S, R:30E 4740	Pumping	O	02/11/2
30-015-31857	COG OPERATING LLC	POLARIS B FEDERAL	POLARIS B FEDERAL 002	002	EDDY	S:17, T:17S, R:30E 4715	Pumping	O	07/21/2
30-015-31858	COG OPERATING LLC	POLARIS B FEDERAL	POLARIS B FEDERAL 003	003	EDDY	S:17, T:17S, R:30E 4765	Pumping	O	12/04/2
30-015-31892	COG OPERATING LLC	HOLDER CB FEDERAL	HOLDER CB FEDERAL 007	007	EDDY	S:17, T:17S, R:30E 4770	Pumping	O	11/19/2
30-015-31891	COG OPERATING LLC	HOLDER CB FEDERAL	HOLDER CB FEDERAL 006	006	EDDY	S:17, T:17S, R:30E 6211	Pumping	O	09/07/2
30-015-32011	MACK ENERGY CORP	POLARIS B FEDERAL	POLARIS B FEDERAL 004	004	EDDY	S:17, T:17S, R:30E	Active	O	
30-015-04232			PRE-ONGARD WELL 001	001	EDDY	S:17, T:17S, R:30E	Active	O	
30-015-23265			PRE-ONGARD WELL 008	008	EDDY	S:17, T:17S, R:30E	Unknown	PO	03/11/2
30-015-26718	ROGER C HANKS	PRE-ONGARD WELL	PRE-ONGARD WELL 006	006	EDDY	S:17, T:17S, R:30E	Active Permit	PO	
30-015-00000			MCINTYRE D 003	003	EDDY	S:17, T:17S, R:30E	Active	G	
30-015-00000	SINCLAIR OIL & GAS CO,		MCINTYRE D 007	007	EDDY	S:17, T:17S, R:30E	Active	O	
30-015-34376	BP AMERICA PRODUCTION COMPANY	GOLDFISH 17 FEDERAL	GOLDFISH 17 FEDERAL 1	1	EDDY	S:17, T:17S, R:30E 11250	Active Permit	G	
30-015-35245	COG OPERATING LLC	CADDO FEDERAL	CADDO FEDERAL 002	002	EDDY	S:17, T:17S, R:30E 6000	Active	PO	
30-015-35244	COG OPERATING LLC	CADDO FEDERAL	CADDO FEDERAL 001	001	EDDY	S:17, T:17S, R:30E 6000	Active Permit	PO	
30-015-35272	COG OPERATING LLC	HOLDER CB FEDERAL	HOLDER CB FEDERAL 010	010	EDDY	S:17, T:17S, R:30E 6000	Active Permit	PO	
30-015-35273	COG OPERATING LLC	HOLDER CB FEDERAL	HOLDER CB FEDERAL 009	009	EDDY	S:17, T:17S, R:30E 6000	Active Permit	PO	