

10-1-12 DATE IN	NA SUSPENSE	DB ENGINEER	LOGGED IN	NSL TYPE	ADKB1227562232 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



COG  
Petrus D#11

**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

6685

**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**

INTEREST ARE THE SAME

- [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.

Kelly J. Holly  
 Print or Type Name

Signature

Permitting Tech  
 Title

Date

(432) 685-4384  
 Phone Number

kholly@concho.com  
 E-mail Address

9-26-12

**Petrus D #11**  
**Lea County, NM**

COG proposes to drill a **VERTICAL** NE/4 SE/4, 40 acre spacing  
Maljamar; Grayburg-San Andres oil well  
TD of approximately 4725'

**Location:**  
1630' FSL & 990' FWL      Sec 11, T17S, R33E, Unit I

**This well had to be drilled at a non-standard location due to a buried pipeline too close to original location.**

The plan for this well is to complete it in the San Andres formation.

We won't know the exact perms until we drill & log it, but it will be very similar to the Mohawk Federal #2 (300' FSL & 990' FWL, Section 14, T17S, R30E, UL M) which was completed in 2008.

1<sup>st</sup> interval: 4300' – 4450',  
acidized w/ 5000 gals,  
frac'd w/ 95,000 gals linear gel; 100,000# 16/30 sand.

2<sup>nd</sup> interval: 4470' – 4600',  
acidized w/ 5000 gals,  
frac'd w/ 95,000 gals linear gel; 100,000# 16/30 sand.

**Attachment 1**

Plat & map

**Attachment 2**

Map & legend of offset wells.

**Attachment 3**

Updated land plat showing COG Operating LLC acreage.  
The acreage we are encroaching is Units J, O and P of Section 11.

Interests are the same.

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

**DISTRICT I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**DISTRICT III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**DISTRICT IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30-025-40745</b>	Pool Code <b>43329</b>	Pool Name <b>Maljamar; Grayburg-San Andres</b>
Property Code <b>302546</b>	Property Name <b>PETRUS D</b>	Well Number <b>11</b>
OGRID No. <b>229137</b>	Operator Name <b>COG OPERATING, LLC</b>	Elevation <b>4155'</b>

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>I</b>	<b>11</b>	<b>17-S</b>	<b>33-E</b>		<b>1630</b>	<b>SOUTH</b>	<b>990</b>	<b>EAST</b>	<b>LEA</b>

**Bottom Hole Location If Different From Surface**

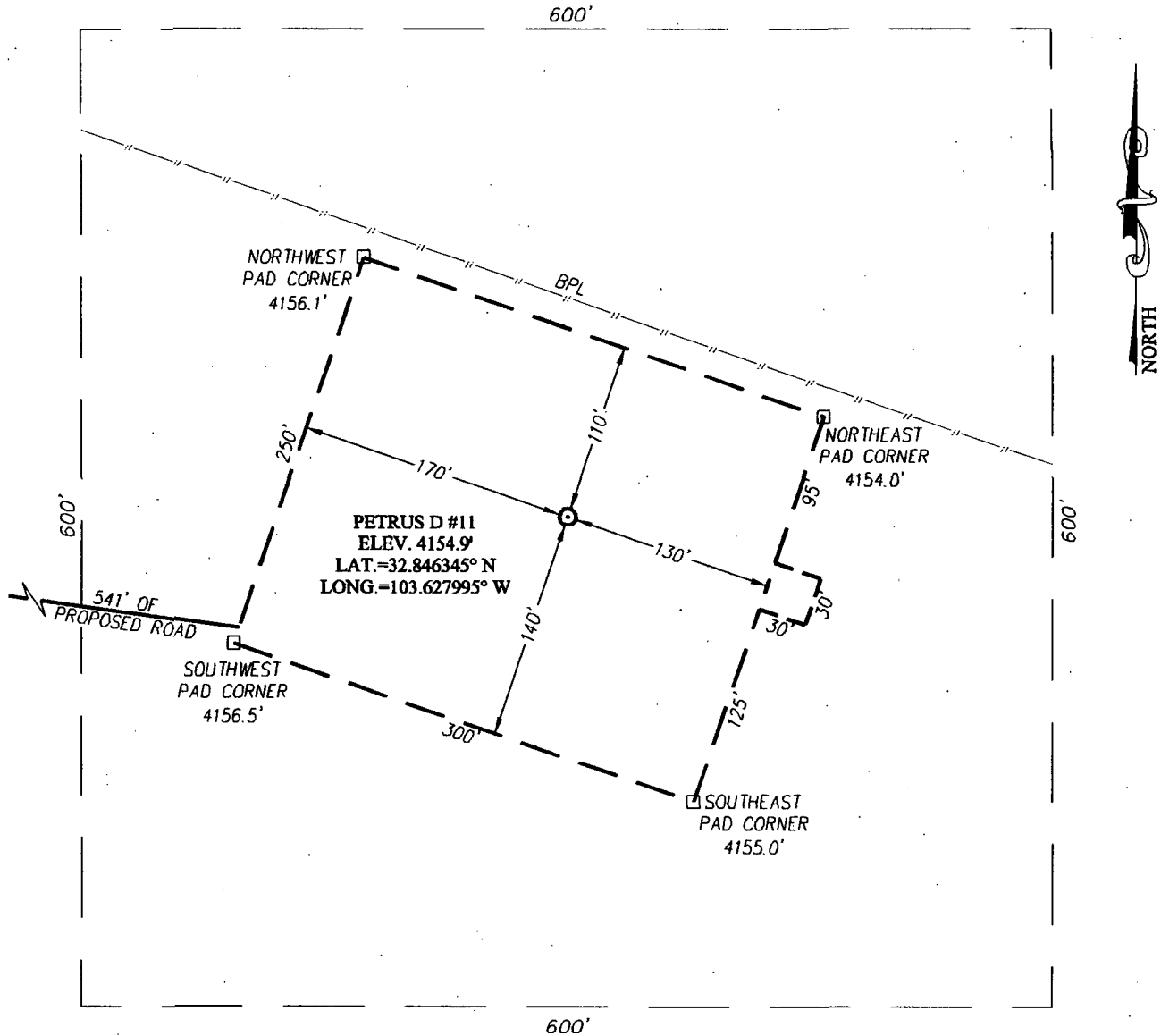
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres <b>40</b>	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

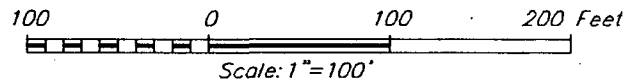
<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=672334.7 N X=716621.1 E</p> <p>LAT.=32.846345° N LONG.=103.627995° W</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization 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> Signature</p> <p><b>9-26-12</b> Date</p> <p><b>Kelly J. Holly</b> Printed Name</p> <p><b>kholly@concho.com</b> E-mail Address</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><b>AUGUST 17, 2012</b> Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor: </p>
	<p>Certificate Number: <b>12641</b> Gary J. Eidson</p> <p>Registration No. <b>3239</b> Ronald J. Eidson</p> <p>AF JWSC W.O.: 12.11.1454</p>

**SECTION 11, TOWNSHIP 17 SOUTH, RANGE 33 EAST, N.M.P.M.**  
**LEA COUNTY NEW MEXICO**



**DIRECTIONS TO LOCATION**

FROM THE INTERSECTION OF MESCALERO RD. AND L-125 (DERBY RD.) APPROX. 1.2 MILES TO THE DERBY RD. INTERSECTION. CONTINUE NORTH APPROX. 0.9 MILES. TURN LEFT AND GO NORTHWEST APPROX. 0.6 MILES. TURN LEFT AND GO WEST APPROX. 0.6 MILES. TURN RIGHT AND GO NORTH APPROX. 0.2 MILES. TURN RIGHT AND GO EAST APPROX. 1.5 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES. TURN LEFT @ CATTLE GUARD AND GO EAST APPROX. 0.1 MILES. TURN LEFT AND GO NORTH APPROX. 0.4 MILES TO A ROAD SURVEY, FOLLOW STAKES 541 FEET EAST TO THIS LOCATION.



**COG OPERATING, LLC**

**PETRUS D #11 WELL**  
**LOCATED 1630 FEET FROM THE SOUTH LINE**  
**AND 990 FEET FROM THE EAST LINE OF SECTION 11,**  
**TOWNSHIP 17 SOUTH, RANGE 33 EAST, N.M.P.M.,**  
**LEA COUNTY, NEW MEXICO**

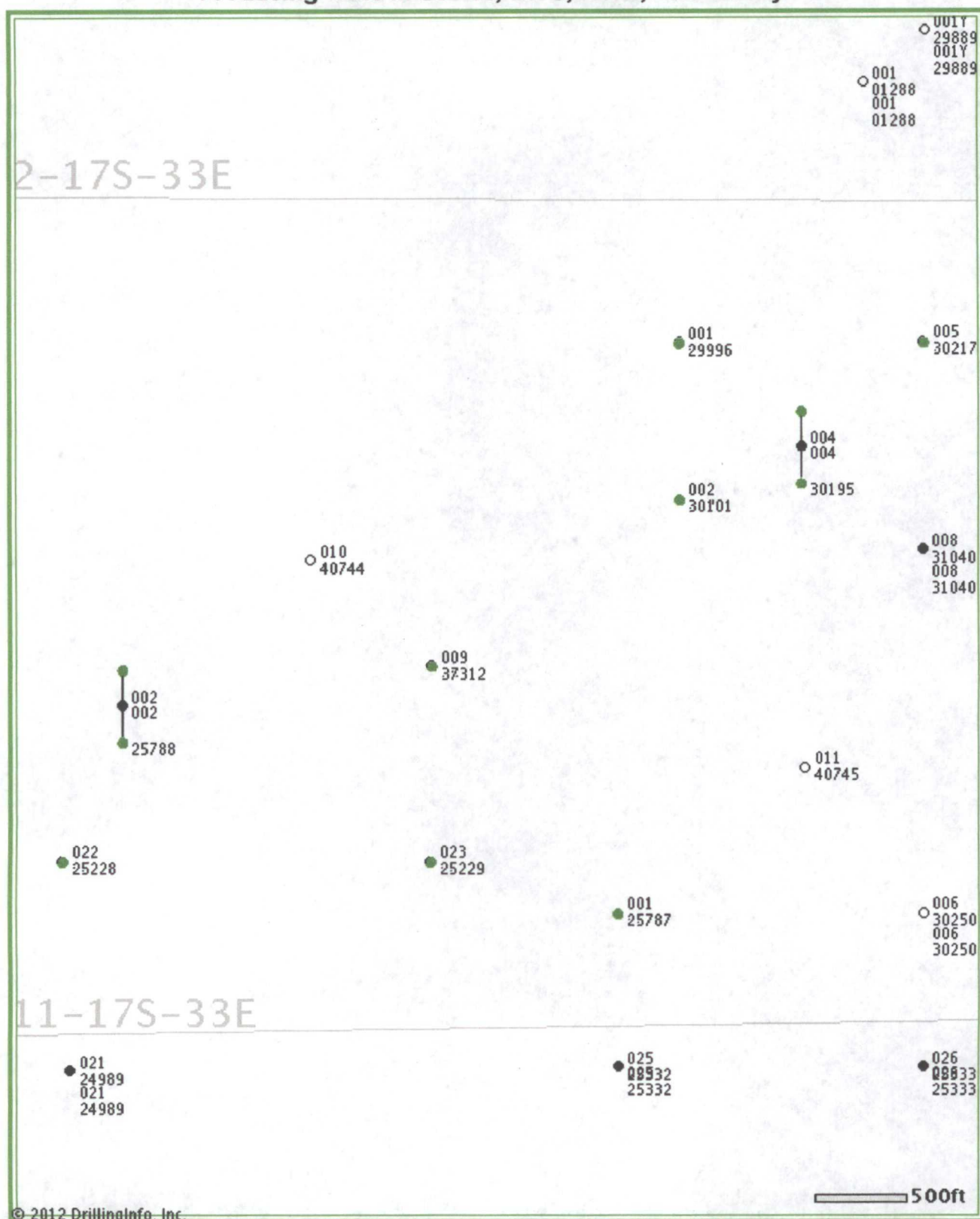
PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (575) 393-3117 www.jwsc.biz

Survey Date: 8/17/12	CAD Date: 8/27/12	Drawn By: AF
W.O. No.: 12111454	Rev: .	Rel. W.O.:
		Sheet 1 of 1

## Producing wells in Sec 11, T17S, R33E, Lea County

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-025-30217	COG OPERATING LLC	PETRUS D	005	LEA	S:11, T:17S, R:33E	3,840	O	Pumping	Feb 1988	Sep 2011	0.03
30-025-30101	SMITH & MARRS INC	PETRUS AEO STATE	002	LEA	S:11, T:17S, R:33E	3,900	O	Active	Nov 1987	Jun 2012	0.13
30-025-29996	SMITH & MARRS INC	PETRUS AEO STATE	001	LEA	S:11, T:17S, R:33E	3,900	O	Active	Sep 1987	Jun 2012	0.30
30-025-30195	COG OPERATING LLC	PETRUS D	004	LEA	S:11, T:17S, R:33E	4,700	O	Pumping	Feb 1988	Jun 2012	0.40
30-025-25229	CONOCOPHILLIPS COMPANY	PHILLIPS E STATE	023	LEA	S:11, T:17S, R:33E	4,618	O	Active	Mar 1976	Jun 2012	0.63
30-025-25228	CONOCOPHILLIPS COMPANY	PHILLIPS E STATE	022	LEA	S:11, T:17S, R:33E	4,571	O	Active	Mar 1976	Jun 2012	0.67
30-025-37312	COG OPERATING LLC	PETRUS D	009	LEA	S:11, T:17S, R:33E	4,792	PO	Active Permit	Sep 2005	Jun 2012	0.80
30-025-25787	COG OPERATING LLC	PETRUS D	001	LEA	S:11, T:17S, R:33E	4,715	O	Pumping	Jan 1979	Jun 2012	1.23
30-025-25788	COG OPERATING LLC	PETRUS D	002	LEA	S:11, T:17S, R:33E	4,623	O	Active	Jan 1979	Jun 2011	
30-025-25788	COG OPERATING LLC	PETRUS D	002	LEA	S:11, T:17S, R:33E	4,623	O	Active	Jan 1990	Jun 2011	
30-025-30195	COG OPERATING LLC	PETRUS D	004	LEA	S:11, T:17S, R:33E	4,700	O	Pumping	Sep 1990	Jun 2012	

## Producing wells in Sec 11, T17S, R33E, Lea County



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1 2006  
6330  
37 50  
ate  
1- CH. (S)

J. ANA  
Yates  
Pet.  
Sanmat-  
St.  
TD 5500

\$57710  
(Caza Pet.)  
Tex. Gulf-St.  
Tex Gulf  
State

(5AOR) WI  
Hoover-St.  
Miss. Acq

Well name: Petrus D #11  
Operator: COG Operating LLC  
Legal: SEC11 T17S-R33E UL-I OF  
LEA COUNTY NM

Petrus Oil  
COG O&G  
HBP  
B-2516 (Petrus)  
Oil)  
COG O&G  
HBP  
B-2516  
Chinook St.  
COG O&G  
B-2516

Petrus Oil  
COG O&G  
HBP  
B-2516

Yates  
Petrus-  
St.  
Yates Pet.  
(COG O&G)  
B-2516

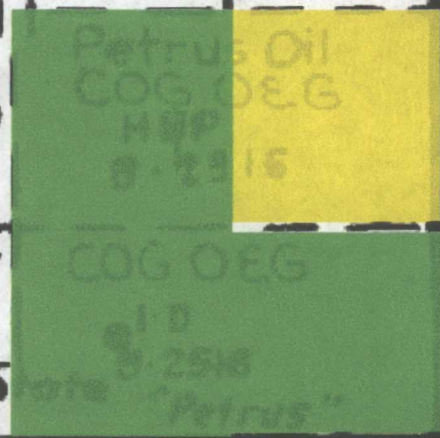
Yates Pet.  
Petrus St.

Marbab  
Petrus

Non Standard Locations  
Operator: COG Operating LLC  
Legal: SEC11 T17S-R33E UL-J, O, & P  
OF LEA COUNTY NM

(Shell-St.)  
TD 4400  
(D/A 7-18-42)  
ate  
Ld. & C+I (S)

Conoco-  
Phillips  
B-2229  
Phillips-St.



COG O&G  
Eddy  
Potash, Inc.

ConocoPhillips  
2229-E  
Patterson  
Arrowhead-  
St  
TD 13825  
D/A 7-17-99

ConocoPhillips  
B-2229  
E  
14  
13  
35  
28  
29  
33  
Phillips-St.  
State

COG O&G  
Cobeen  
State  
TD 483  
Conoco-  
Phillips  
B-2229  
Phillips-S  
Conoco Phil  
B-222  
E  
Phillips-  
Miss. Acq