

DATE IN <u>12-18-09</u>	SUSPENSE	ENGINEER <u>Bugs</u>	LOGGED IN <u>12-18</u>	TYPE <u>NSL</u>	PTGW APP NO. <u>0935254805</u>
-------------------------	----------	----------------------	------------------------	-----------------	-----------------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



COG

Tex Mac L 11 Feb 35

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 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.

ROBYN M. ODOM
Print or Type Name

Signature

REGULATORY ANALYST
Title

12/17/09
Date

(432) 685-4385
Phone Number

rododm@conchoresources.com
E-mail Address

**Tex Mack 11 Federal #35
Eddy County, NM**

VERTICAL Fren; Glorieta Yeso oil well
TD of approximately 7000'

Non-Standard Location:
920' FSL & 1024' FWL Sec 11, T17S, R31E, Unit M

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 similar to the

Willow State #8
330 FSL & 1650 FEL, Section 16, T17S, R31E, UL O
drilled in March 2006

The Willow State #8 Yeso completion has overall perforations from 5380.5' – 5845.5', but is divided into 2 perf/stimulation intervals. At this time, we assume the Tex-Mack 11 Federal 35 will be very similar.

1st Interval: 5650' – 5845.5', 67 total holes.
acidized w/ 2265 gals acid,
frac'd w/ 8000# LiteProp, 30,000 gals 30# gel, 54,663 gals 40# gel, & 90,560#
16/30 sand

2nd Interval: 5380.5' – 5544', 56 total holes.
acidized w/ 2550 gals acid,
frac'd w/ 8006# LiteProp, 30,000 gals 30# gel, 53,000 gals 40# gel, & 91,740#
16/30 sand

Attachment 1
Plat and map

Attachment 2
Map and legend of offset wells.

Attachment 3
Updated land plat showing that COG owns offset acreage.
The acreage we are encroaching on is the SE/4 SW/4 of Section 11.
COG Operating LLC owns all of Section 11.

Interests are common.

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

Form C-102

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

OIL CONSERVATION DIVISION

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

11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-	Pool Code 26770	Pool Name FREN; GLORIETA-YESO
Property Code 37516	Property Name TEX-MACK 11 FEDERAL	Well Number 35
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3929'

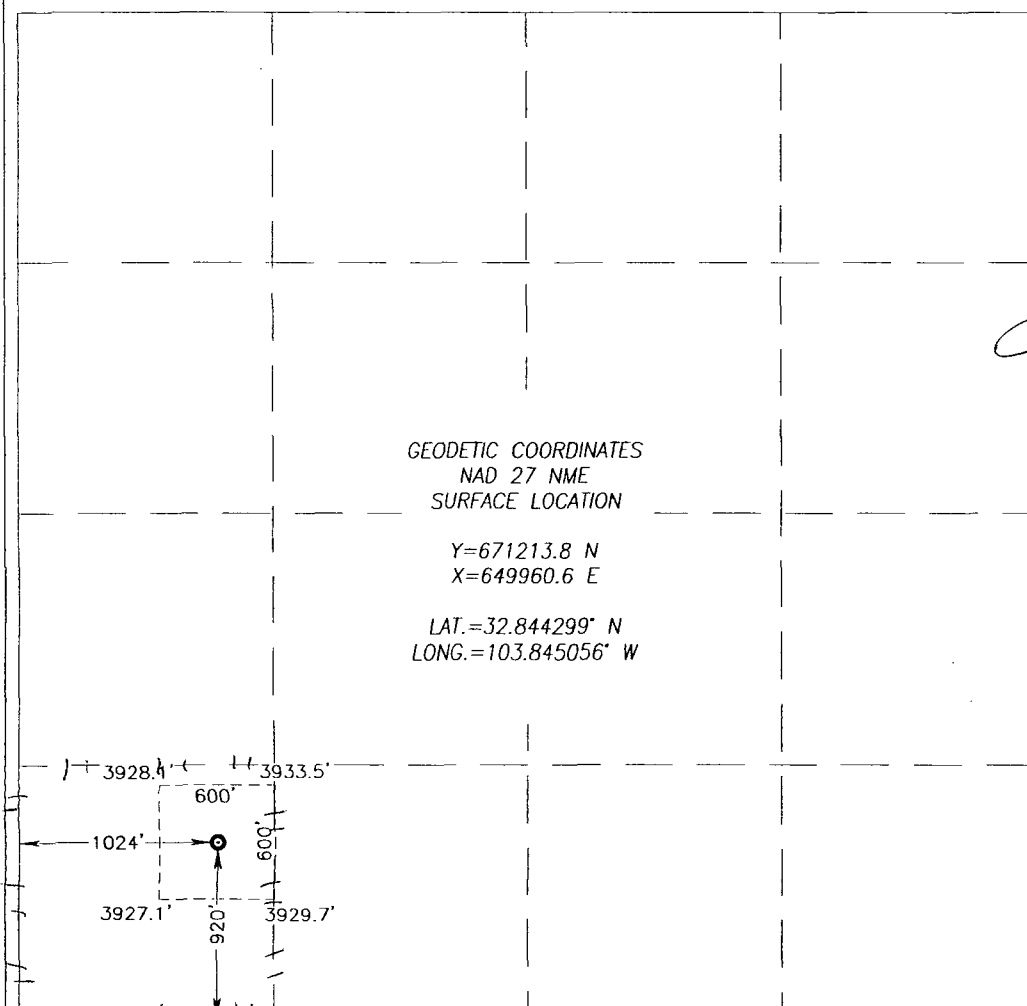
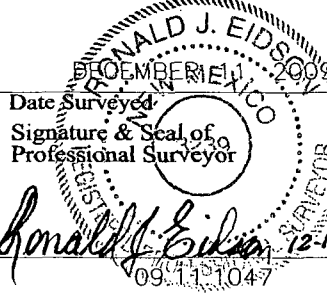
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	17-S	31-E		920	SOUTH	1024	WEST	EDDY

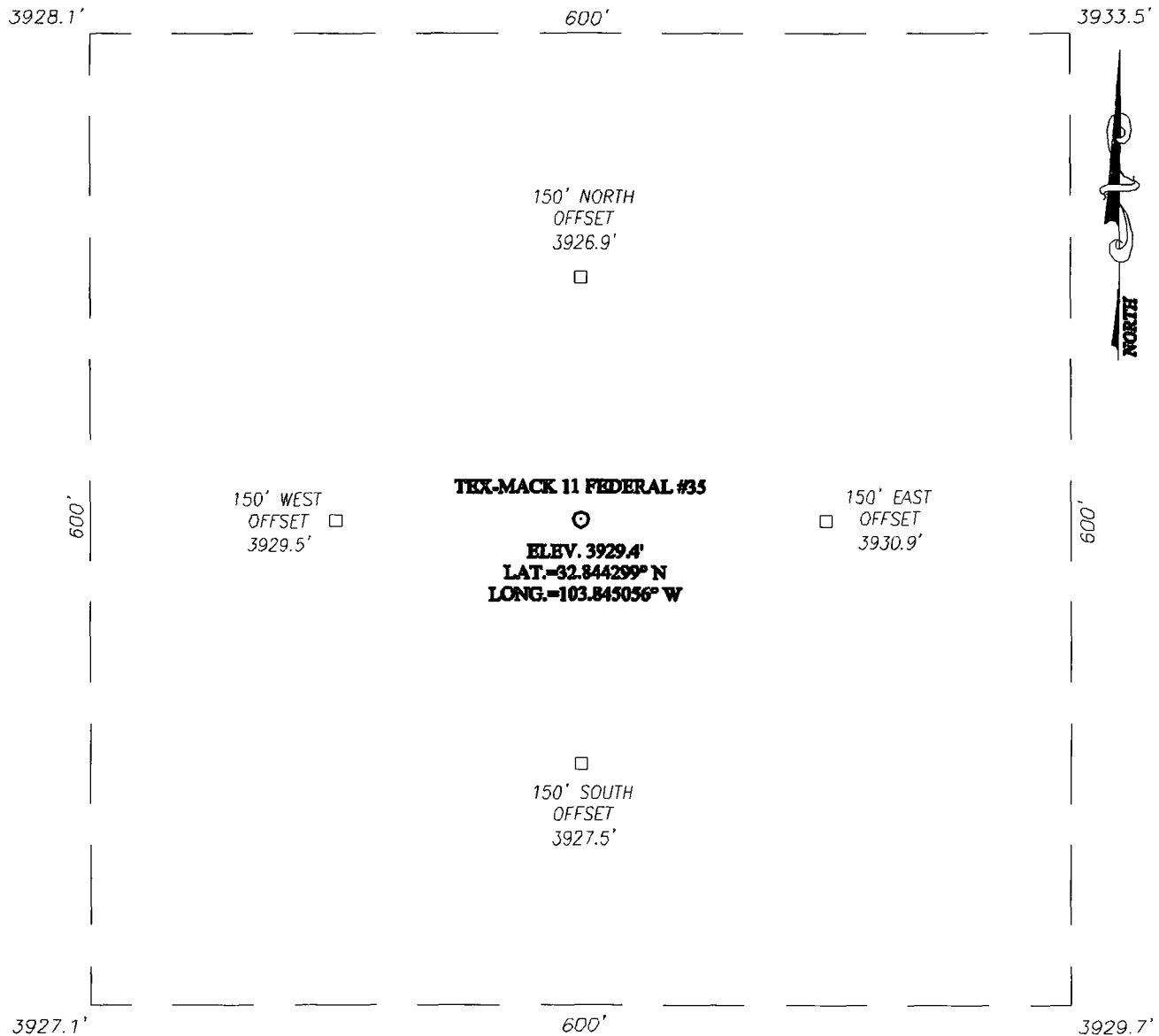
Bottom Hole Location If Different From Surface

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

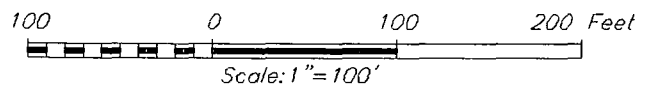
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=671213.8 N X=649960.6 E LAT.=32.844299° N LONG.=103.845056° W 	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest 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.  12/17/2009 Signature Date Robyn Odom 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.  12-15-09 Date Surveyed Signature & Seal of Professional Surveyor DSS Certificate No. GARY G. EIDSON 12841 RONALD J. EIDSON 3239
---	--

SECTION 11, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY NEW MEXICO



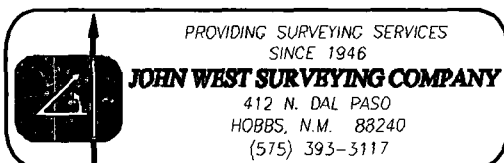
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #224 (RIPPLE ROAD), GO SOUTHWEST ON U.S. HWY. #82 APPROX. 1.2 MILES. TURN RIGHT AND GO NORTHWEST APPROX. 0.3 MILES. TURN RIGHT AND GO NORTH APPROX. 0.3 MILES. TURN RIGHT AND GO NORTHEAST APPROX. 0.4 MILES. VEER LEFT AND GO NORTH APPROX. 0.9 MILES. TURN LEFT AND GO WEST APPROX. 0.4 MILES. THIS LOCATION STAKE IS APPROX. 375 FEET NORTH OF LEASE RD.



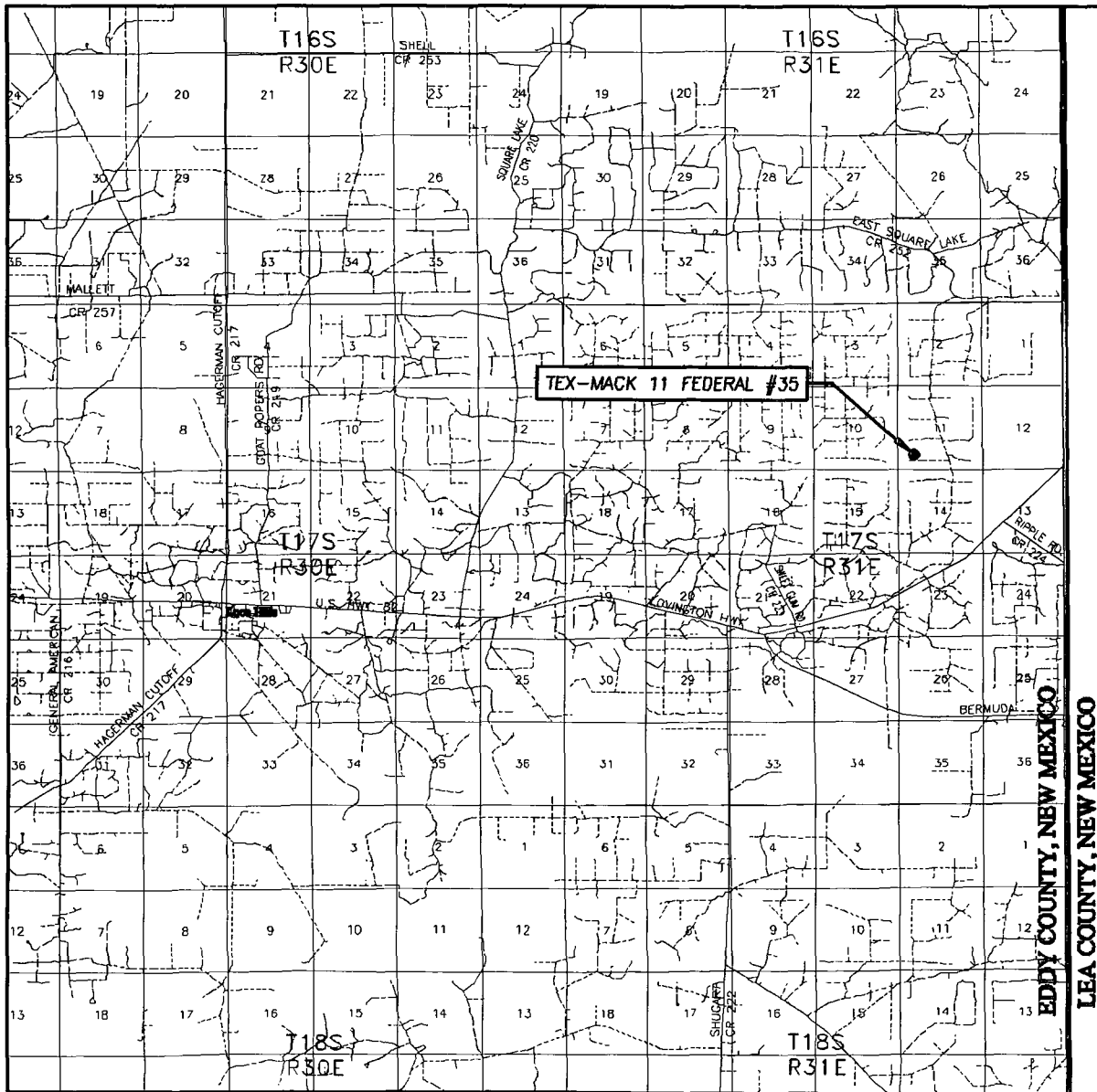
COG OPERATING, LLC

TEX-MACK 11 FEDERAL #35 WELL
LOCATED 920 FEET FROM THE SOUTH LINE
AND 1024 FEET FROM THE WEST LINE OF SECTION 11,
TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



Survey Date: 12/11/09		Sheet 1 of 1 Sheets	
W.O. Number: 09.11.1047		Dr By: DSS	Rev 1:N/A
Date: 12/14/09		09111047	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 11 TWP. 17-S RGE. 31-E

SURVEY _____ N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 920' FSL & 1024' FWL

ELEVATION 3929'

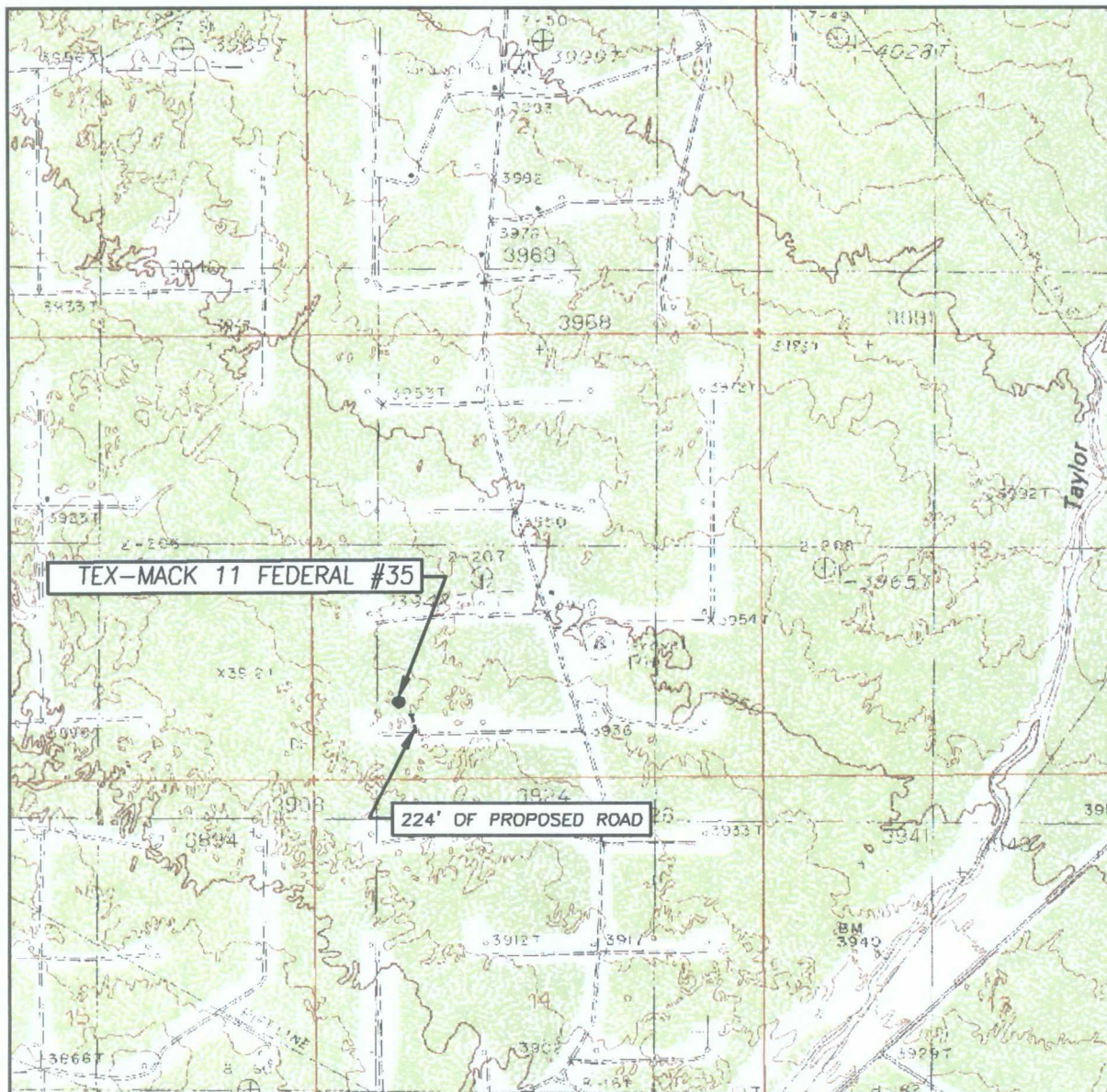
OPERATOR COG OPERATING, LLC

LEASE TEX-MACK 11 FEDERAL



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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

SEC. 11 TWP. 17-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 920' FSL & 1024' FWL

ELEVATION 3929'

OPERATOR COG OPERATING, INC.

LEASE TEX-MACK 11 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP
MALJAMAR, N.M.

PROVIDING SURVEYING SERVICES
SINCE 1946

JOHN WEST SURVEYING COMPANY

412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

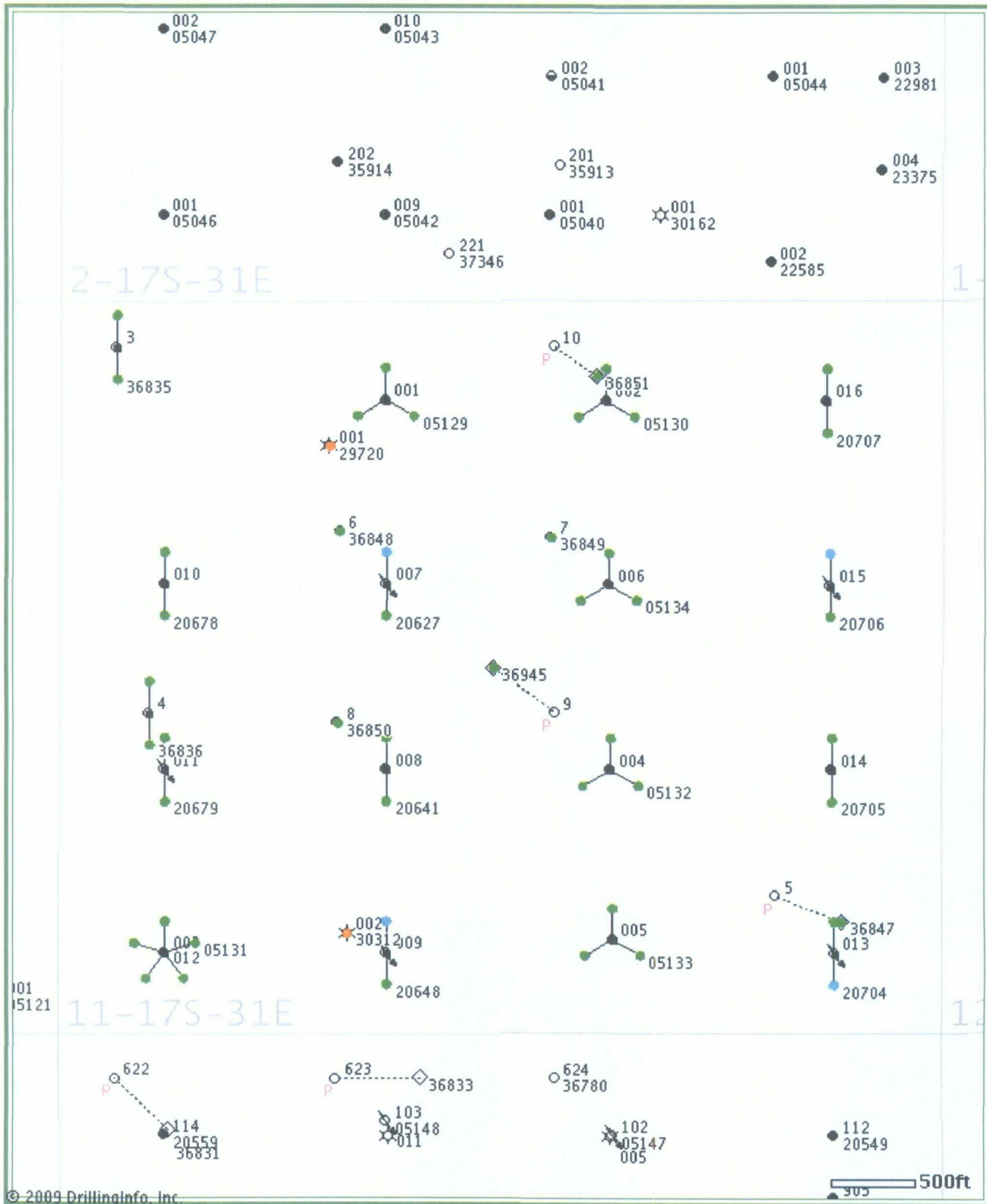
Offset Wells to Tex-Mack 11 Federal #35

API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Type	Well Status	First Prod.	Last Prod.
30-015-05129	WESTBROOK OIL CORP	LEA C	001	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA		O	Pumping	Jul 1959	Oct 2009
30-015-05129	WESTBROOK OIL CORP	LEA C	001	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			O	Pumping	Jan 1967	Dec 1977
30-015-05130	WESTBROOK OIL CORP	LEA C	002	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			O	Active	Jan 1967	Dec 1975
30-015-05130	WESTBROOK OIL CORP	LEA C	002	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA		O	Active	Oct 1959	Oct 2009
30-015-05131	WESTBROOK OIL CORP	LEA C	003	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	3,953	O	Temporarily Abandoned	Jan 1963	Sep 1991
30-015-05131	WESTBROOK OIL CORP	LEA C	003	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,953	O	Temporarily Abandoned	Jan 1967	Dec 1977
30-015-05132	WESTBROOK OIL CORP	LEA C	004	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	3,798	O	Temporarily Abandoned	Jan 1963	Oct 2009
30-015-05132	WESTBROOK OIL CORP	LEA C	004	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,798	O	Temporarily Abandoned	Jan 1967	Apr 1974
30-015-05133	WESTBROOK OIL CORP	LEA C	005	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			O	Active	Jan 1967	Dec 1977
30-015-05133	WESTBROOK OIL CORP	LEA C	005	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA		O	Active	Jan 1963	Oct 2009
30-015-05134	WESTBROOK OIL CORP	LEA C	006	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA		O	Active	Jan 1963	Oct 2009
30-015-05134	WESTBROOK OIL CORP	LEA C	006	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			O	Active	Jan 1967	Dec 1977
30-015-20627	WESTBROOK OIL CORP	LEA C	007	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	3,970	I	Temporarily Abandoned		
30-015-20627	WESTBROOK OIL CORP	LEA C	007	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,970	I	Temporarily Abandoned	May 1972	Apr 1974
30-015-20641	WESTBROOK OIL CORP	LEA C	008	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,920	O	Temporarily Abandoned	May 1972	Dec 1977
30-015-20641	WESTBROOK OIL CORP	LEA C	008	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	3,920	O	Temporarily Abandoned	Jan 1979	Oct 2009
30-015-20648	WESTBROOK OIL CORP	LEA C	009	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA		I	Temporarily Abandoned		
	WESTBROOK				S:11, T:17S,							

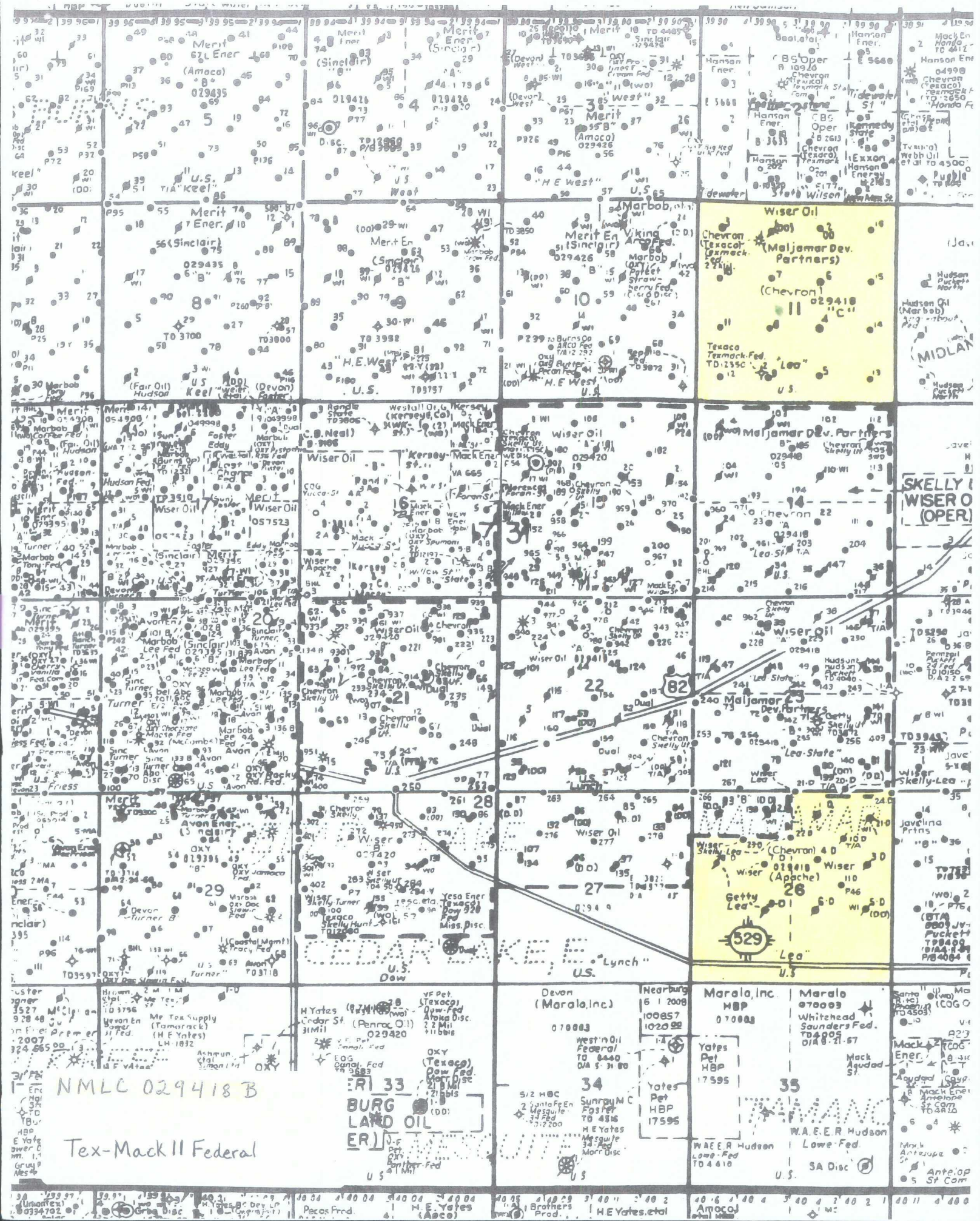
30-015-20648	OIL CORP	LEA C	009	EDDY	R-31E S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)			I	Temporarily Abandoned	May 1972	Apr 1974
30-015-20678	WESTBROOK OIL CORP	LEA C	010	EDDY	R-31E	GRAYBURG JACKSON	SR-Q-G-SA	3,954	O	Active	Jan 1979	Oct 2009
30-015-20678	WESTBROOK OIL CORP	LEA C	010	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,954	O	Active	Aug 1972	Dec 1977
30-015-20679	WESTBROOK OIL CORP	LEA C	011	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	3,930	I	Temporarily Abandoned	May 2007	Oct 2009
30-015-20679	WESTBROOK OIL CORP	LEA C	011	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,930	I	Temporarily Abandoned	Aug 1972	Dec 1975
30-015-20697	WESTBROOK OIL CORP	LEA C	012	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		3,995	O	Pumping	Sep 1972	Dec 1977
30-015-20697	WESTBROOK OIL CORP	LEA C	012	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	3,995	O	Pumping	Jan 1979	Oct 2009
30-015-20704	WESTBROOK OIL CORP	LEA C	013	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		4,000	I	Temporarily Abandoned	Oct 1972	Jun 1977
30-015-20704	WESTBROOK OIL CORP	LEA C	013	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	4,000	I	Temporarily Abandoned		
30-015-20705	WESTBROOK OIL CORP	LEA C	014	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		4,020	O	Temporarily Abandoned	Oct 1972	Dec 1977
30-015-20705	WESTBROOK OIL CORP	LEA C	014	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	4,020	O	Temporarily Abandoned	Jan 1979	Sep 1991
30-015-20706	WESTBROOK OIL CORP	LEA C	015	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	4,030	I	Temporarily Abandoned		
30-015-20706	WESTBROOK OIL CORP	LEA C	015	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		4,030	I	Temporarily Abandoned	Oct 1972	Jun 1977
30-015-20707	WESTBROOK OIL CORP	LEA C	016	EDDY	S:11, T:17S, R:31E	GRAYBURG JKSN SR-Q-G-SA(DO NOT USE)		4,060	O	Pumping	Oct 1972	Dec 1977
30-015-20707	WESTBROOK OIL CORP	LEA C	016	EDDY	S:11, T:17S, R:31E	GRAYBURG JACKSON	SR-Q-G-SA	4,060	O	Pumping	Jan 1979	Oct 2009
30-015-29720	CHEVRON U S A INC	TEXMACK 11 FEDERAL	001	EDDY	S:11, T:17S, R:31E	FREN	MORROW		G	Flowing	Nov 1997	Sep 2009
30-015-30312	TEXACO EXPLORATION & PRODUCTION INC	TEXMACK 11 FEDERAL	002	EDDY	S:11, T:17S, R:31E	FREN	MORROW	12,350	G	Active		
30-015-05129	SKELLY OIL CO.	LEA FED C	001	EDDY	S:11, T:17S, R:31E	ROBINSON GRAYBURG SA			O	Pumping	Jan 1960	Dec 1962
30-015-05130	SKELLY OIL CO.	LEA FED C	002	EDDY	S:11, T:17S, R:31E	ROBINSON GRAYBURG SA			O	Active	Jan 1960	Dec 1962

30-015-05131	SKELLY OIL CO.	LEA FED C	003	EDDY	T:17S, R:31E	ROBINSON GRAYBURG SA		3,953	O	Temporarily Abandoned	May 1960	Dec 1962
30-015-05132	SKELLY OIL CO.	LEA FED C	004	EDDY	S:11, T:17S, R:31E	ROBINSON GRAYBURG SA		3,798	O	Temporarily Abandoned	May 1961	Dec 1962
30-015-05133	SKELLY OIL CO.	LEA FED C	005	EDDY	S:11, T:17S, R:31E	ROBINSON GRAYBURG SA			O	Active	Jul 1961	Dec 1962
30-015-05134	SKELLY OIL CO.	LEA FED C	006	EDDY	S:11, T:17S, R:31E	ROBINSON GRAYBURG			O	Active	Apr 1962	Dec 1962
30-015-36835	COG OPERATING LLC	TEX MACK 11 FEDERAL	3	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,805	O	Active Permit	Jun 2009	Sep 2009
30-015-36836	COG OPERATING LLC	TEX MACK 11 FEDERAL	4	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,822	O	Active Permit		
30-015-36847	COG OPERATING LLC	TEX MACK 11 FEDERAL	5	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,631	PO	Active Permit		
30-015-36848	COG OPERATING LLC	TEX MACK 11 FEDERAL	6	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,600	PO	Active Permit		
30-015-36849	COG OPERATING LLC	TEX MACK 11 FEDERAL	7	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,600	PO	Active Permit		
30-015-36850	COG OPERATING LLC	TEX MACK 11 FEDERAL	8	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,650	PO	Active Permit		
30-015-36851	COG OPERATING LLC	TEX MACK 11 FEDERAL	10	EDDY	S:11, T:17S, R:31E	FREN	PADDOCK, EAST	6,618	PO	Active Permit		
30-015-36945	COG OPERATING LLC	TEX MACK 11 FEDERAL	9	EDDY	S:11, T:17S, R:31E	FREN (PADDOCK)	PADDOCK	6,543	PO	Active Permit		
30-015-36835	COG OPERATING LLC	TEX MACK 11 FEDERAL	3	EDDY	S:11, T:17S, R:31E	FREN	PENN (GAS)	6,805	O	Active Permit		
30-015-36836	COG OPERATING LLC	TEX MACK 11 FEDERAL	4	EDDY	S:11, T:17S, R:31E	FREN; GLORIETA-YESO		6,822	O	Active Permit		

Offset Wells to Tex-Mack 11 Federal #35



© 2009 Drilling Info, Inc. All rights reserved. All data and information is provided "As Is" and subject to the subscription agreement.



Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Tuesday, January 12, 2010 10:33 AM
To: 'Robyn Odom'
Cc: Kautz, Paul, EMNRD; Inge, Richard, EMNRD; Albers, Jeff J.; 'jay_spielman@nm.blm.gov'; 'llrwb@austin.rr.com'
Subject: NSL Applications: (1) Yucca State #6, Eddy County; (2) MC Federal #47, Lea County; (3) Tex-Mac #240, Eddy County; (4) Tex-Mac 11 Federal #35, Eddy County
Attachments: COG Yucca State #6.doc; COG MC Fed #47.doc; COG Tex-Mack #240.doc; COG Tex-Mack 11 Fed #35.doc

Dear Ms. Odom

The referenced NSL Applications were granted as follows:

Yucca State #6	Dec. 30, 2009	NSL-6129
MC Federal #47	Jan. 7, 2010	NSL-6130
Tex Mac #240	Jan. 8, 2010	NSL-6131
Tex Mac 11 Fed #35	Jan 8, 2010	NSL-6132

The signed original orders will be posted on OCD's website

Sincerely
David K. Brooks
Legal Examiner