

DATE IN 7/13/11	SUSPENSE	ENGINEER DB	LOGGED IN 7/13/11	TYPE NSL	APP NO 1119462618
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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
 Yale St #15
 6432

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 _____

2011 JUL 13 AM 11:05
 RECEIVED OOD
 COG
 Vertical well
 No API

[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

Kelly J. Holly
 Signature

Permitting Tech
 Title

7-12-11
 Date

(432) 685-4384
 Phone Number

kholly@conchoresources.com
 E-mail Address

**Yale State #15
Eddy County, NM**

COG is requesting to **vertically** drill a SE/4 SE/4 40 acre spacing
Loco Hills; Glorieta Yeso oil well
TD of approximately 6150'

Non-standard Location:
1045' FSL & 925' FEL Sec 2, T17S, R30E, Unit P

**This well had to be staked at a non-standard location due to a buried
pipeline.**

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 Electra Federal #10 which was recently drilled in January 2007 and is located
765' FSL 2310' FWL, Section 10, T17S, R30E, Unit N.

The Electra Federal #10 completion divided the Yeso up into 3 perf/stimulation
intervals and has perms from: 4920' – 5848.5' overall, with the following
breakdown:

1st interval: 5567' – 5848.5',
acidized w/ 2500 gals,
frac'd w/ 95,103 gals gel, 8321# LiteProp, & 85,970# 16/30 sand.

2nd interval: 5192.5' – 5475.5',
acidized w/ 2500 gals,
frac'd w/ 97,107 gals gel, 8215# LiteProp, & 87,106# 16/30 sand.

3rd interval: 4920' – 5107',
acidized w/ 2500 gals,
frac'd w/ 94,099 gals gel, 8448# LiteProp, & 87,526# 16/30 sand.

Attachment 1
Plat & map

Attachment 2
Map & legend of offset wells.

Attachment 3
Updated land plat showing that COG Operating LLC owns the SW/4 NW/4 and
the entire S/2 of Section 2.
The acreage we are encroaching on is the NW/4 SE/4 and the NE/4 SE/4 of
Section 2.

Interests are the same.

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

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

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 July 16, 2010
Submit to Appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015 - 39201	Pool Code 96718	Pool Name Loco Hills; Glorieta-Yeso
Property Code 37953	Property Name YALE STATE	Well Number 15
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3754'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	2	17-S	30-E		1045	SOUTH	925	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.
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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

LOT 1	LOT 3	LOT 2	LOT 1
39.90 AC.	39.87 AC.	39.83 AC.	39.80 AC.
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=676456.8 N X=621863.3 E LAT.=32.859034° N LONG.=103.936461° 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.

7-12-11
Signature Date

Kelly J. Holly
Printed Name

kholly@conchoresources.com
E-mail Address

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.

JUNE 28, 2011

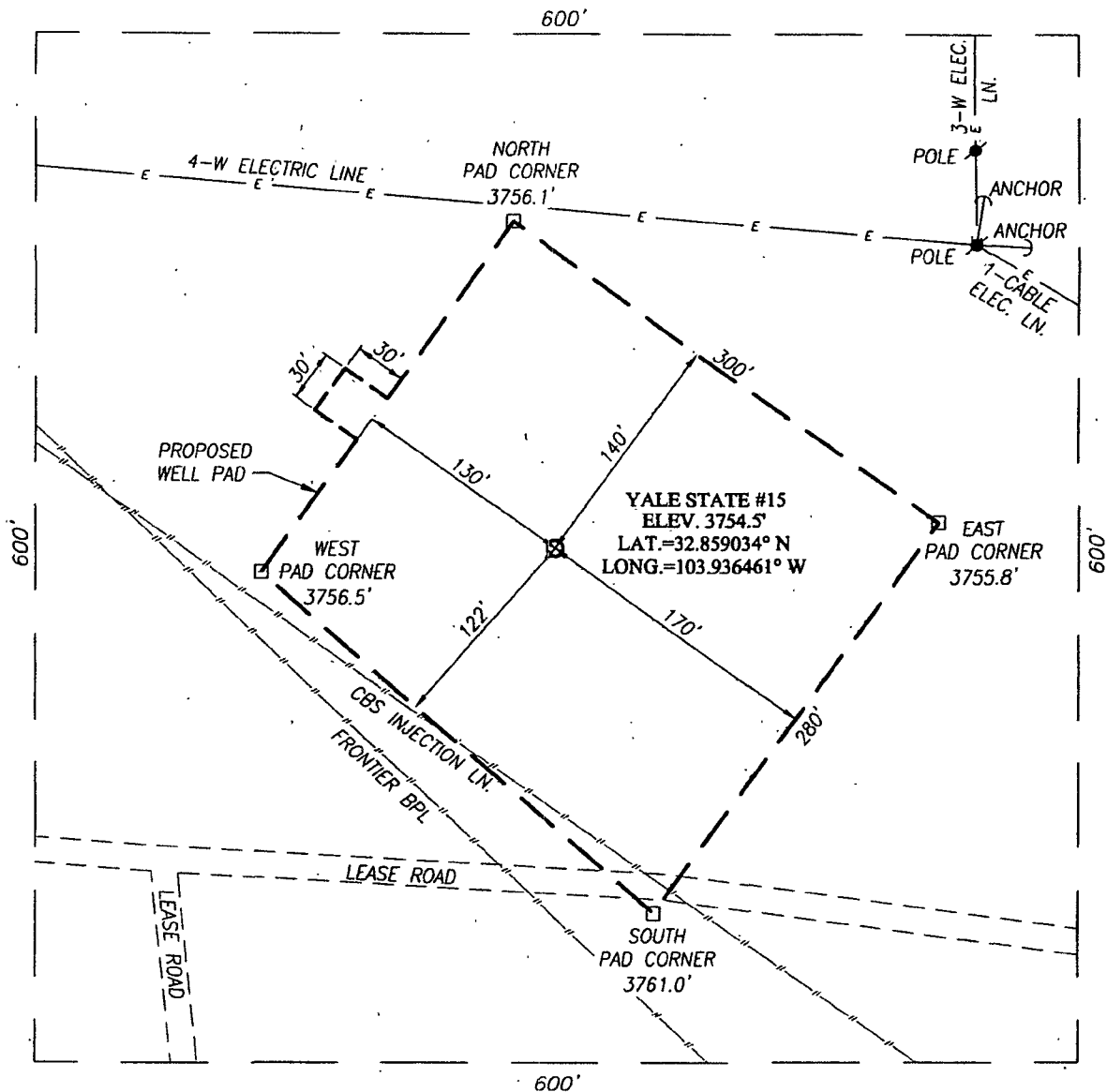
Date of Survey

Signature & Seal of Professional Surveyor:

Certificate Number: Gary C. Eidson 12641
Ronald J. Eidson 3239

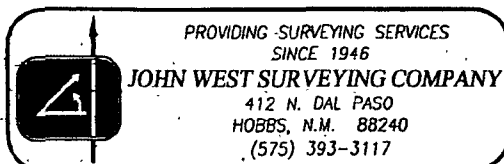
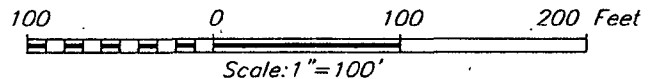
DSS WSC W.O.: 11.11.0241

SECTION 2, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CO. RD. #220 (SQUARE LAKE) AND CO. RD. #257 (MALLET RD.), GO WEST ON CO. RD. #257 APPROX. 1.2 MILES. CO. RD. #257 TURNS NORTH; CONTINUE WEST ON LEASE RD. APPROX. 500 FEET. TURN LEFT AND GO SOUTH APPROX. 0.5 MILES. TURN LEFT AND GO EAST APPROX. 0.3 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES. TURN LEFT AND GO EAST APPROX. 0.3 MILES. THIS LOCATION STAKE IS APPROX. 185 FEET NORTH OF LEASE ROAD.



COG OPERATING, LLC

YALE STATE #15 WELL
 LOCATED 1045 FEET FROM THE SOUTH LINE
 AND 925 FEET FROM THE EAST LINE OF SECTION 2,
 TOWNSHIP 17. SOUTH, RANGE 30 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

Survey Date: 6/28/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.0241	Dr By: DSS
Date: 7/8/11	Rev 1: N/A
11110241	Scale: 1"=100'

Producing Wells in Sec 2, T17S, R30E, Eddy County

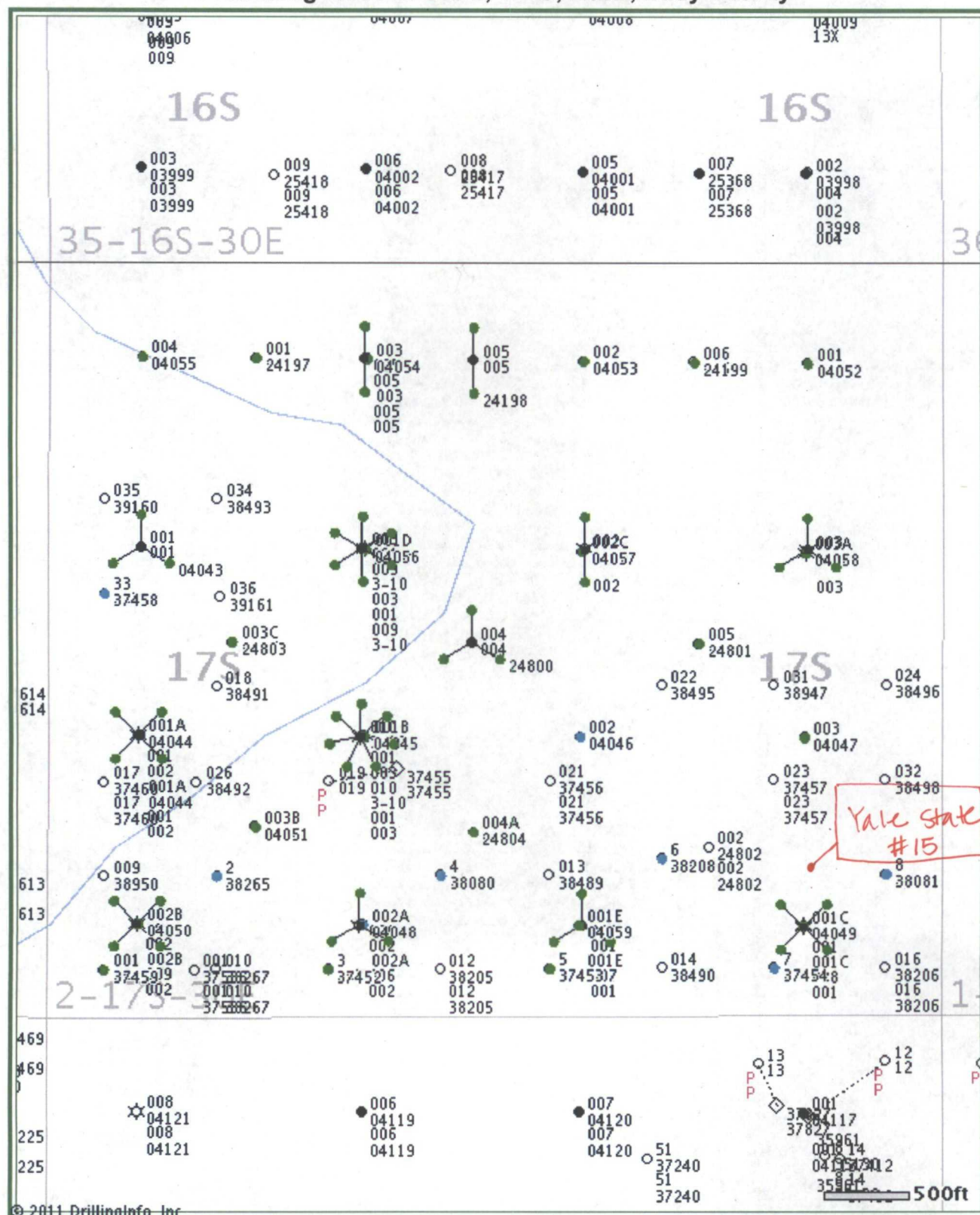
API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-00000	ANADARKO PROD CO	BURHAM GRAYBURG SAN ANDRES UNIT TRACT 5	002	EDDY	S:2, T:17S, R:30E		G	Active	Sep 1971	Dec 1971	0.00
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM A	007	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1969	Nov 1969	0.07
30-015-24800	BURNHAM OIL CO	STATE B 3635	004	EDDY	S:2, T:17S, R:30E	3,250	PO	Active	Jan 1960	Dec 1968	0.13
30-015-00000	BURNHAM OIL CO	STATE B3635	007	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1960	Dec 1968	0.16
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM B STATE	006	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1969	Jul 1969	0.16
30-015-00000	BURNHAM OIL CO.	ST.	008	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1947	Dec 1967	0.32
30-015-24803	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	003C	EDDY	S:2, T:17S, R:30E	3,250	PO	Pumping	May 1984	Apr 2011	0.40
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM B STATE	009	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1969	Aug 1969	0.42
30-015-04057	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002C	EDDY	S:2, T:17S, R:30E	3,198	O	Pumping	Jan 1973	Apr 2011	0.43
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM B STATE	002	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1969	Nov 1969	0.47
30-015-24800	BURNHAM OIL CO.	ST.	004	EDDY	S:2, T:17S, R:30E	3,250	PO	Active	Jan 1947	Dec 1967	0.48
30-015-00000	BURNHAM OIL CO.	ST.	007	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Dec 1967	0.48
30-015-00000	ANADARKO PROD CO	BURHAM GRAYBURG SAN ANDRES UNIT TRACT 1	003	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1971	Dec 1971	0.65
30-015-04059	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001E	EDDY	S:2, T:17S, R:30E	3,212	O	Active	Jan 1973	Apr 2011	0.80
30-015-04051	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	003B	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1993	Apr 2011	0.90
30-015-00000	KENNEDY OIL CO INC	RANDEL STATE	002	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1965	Dec 1969	0.97
30-015-00000	BURNHAM OIL CO	STATE B3635	008	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1960	Dec 1968	0.97
30-015-00000	KENNEDY OIL CO INC	RANDEL STATE	001	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1965	Dec 1969	1.03
30-015-00000	KENNEDY OIL CO INC	RANDEL STATE	003	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1965	Dec 1969	1.10
30-015-00000	BURNHAM OIL CO	STATE B8146	010	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1960	Dec 1968	1.16
30-015-04045	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001B	EDDY	S:2, T:17S, R:30E	3,199	O	Active	Jan 1973	Apr 2011	1.23
30-015-24800	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	004	EDDY	S:2, T:17S, R:30E	3,250	PO	Active	Jan 1958	Apr 2011	1.23
					S:2, T:17S,						

30-015-00000	RANDEL, O. H.	ST.	003	EDDY	R:30E		G	Active	Feb 1947	Dec 1964	1.26
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM B STATE	003	EDDY	S:2, T:17S, R:30E		G	Active	Jun 1969	Dec 1969	1.71
30-015-00000	ANADARKO PROD CO	BURHAM GRAYBURG SAN ANDRES UNIT TRACT 4	001	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1971	Dec 1971	1.87
30-015-24198	J CLEO THOMPSON	WEST SQUARE LAKE UNIT	005	EDDY	S:2, T:17S, R:30E	3,250	PO	Pumping	Jan 1993	Apr 2011	2.00
30-015-24804	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	004A	EDDY	S:2, T:17S, R:30E	3,250	PO	Active	May 1984	Apr 2011	2.03
30-015-00000	RANDEL, O. H.	ST.	002	EDDY	S:2, T:17S, R:30E		G	Active	Feb 1947	Dec 1964	2.03
30-015-00000	RANDEL O H	STATE	001	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1959	Dec 1964	2.03
30-015-04043	BURNHAM OIL CO -	STATE B3635	001	EDDY	S:2, T:17S, R:30E	3,060	O	Active	Jan 1960	Dec 1968	2.10
30-015-00000	BURNHAM OIL CO	STATE B8146	002	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1960	Dec 1968	2.10
30-015-00000	BURNHAM OIL CO	STATE B8146	006	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1960	Dec 1968	2.10
30-015-00000	BURNHAM OIL CO	STATE B8146	009	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1960	Dec 1968	2.10
30-015-04050	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002B	EDDY	S:2, T:17S, R:30E	3,207	O	Active	Jan 1973	Apr 2011	2.27
30-015-00000	BURNHAM OIL CO.	ST.	009	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1947	Dec 1967	2.61
30-015-04053	TEXAS CONSOLIDATED OILS	STATE	002	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Oct 1948	2.65
30-015-04052	TEXAS CONSOLIDATED OILS	STATE	001	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Oct 1948	2.68
30-015-04047	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	003	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1973	Apr 2011	2.70
30-015-00000	BURNHAM OIL CO.	ST.	002	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1947	Dec 1967	2.90
30-015-00000	BURNHAM OIL CO.	ST.	006	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1947	Dec 1967	2.90
30-015-24197	J CLEO THOMPSON	WEST SQUARE LAKE UNIT	001	EDDY	S:2, T:17S, R:30E	3,200	PO	Pumping	Jan 1993	Apr 2011	3.00
30-015-24199	J CLEO THOMPSON	WEST SQUARE LAKE UNIT	006	EDDY	S:2, T:17S, R:30E	0	PO	Pumping	Oct 1982	Apr 2011	3.00
30-015-00000		BURNHAM GRAYBURG SAN ANDRES UT TR 6	010	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1958	Dec 1993	3.00
30-015-04043	BURNHAM OIL COMPANY	STATE	001	EDDY	S:2, T:17S, R:30E	3,060	O	Active	Jan 1947	Dec 1961	3.16
30-015-04055	TEXAS CONSOLIDATED OILS	STATE	004	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Nov 1947	3.20
30-015-00000	ANADARKO PROD CO	BURHAM GRAYBURG SAN ANDRES UNIT TRACT 6	003	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1971	Dec 1971	3.39
30-015-24801	BURNHAM OIL CO.	ST.	005	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Dec 1956	3.42

30-015-04043	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001	EDDY	S:2, T:17S, R:30E	3,060	O	Active	Jan 1952	Apr 2011	3.73
30-015-00000	RANDEL, O. H.	ST.	001	EDDY	S:2, T:17S, R:30E		G	Active	Feb 1947	Dec 1961	3.87
30-015-04054	TEXAS CONSOLIDATED OILS	STATE	003	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Aug 1948	4.97
30-015-00000	ANADARKO PROD CO	BURNHAM GRAYBURG SAN ANDRES UNIT TRACT 5	001	EDDY	S:2, T:17S, R:30E		O	Active	Sep 1971	Dec 1971	5.61
30-015-00000	BURNHAM OIL CO.	ST.	003	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1947	Dec 1953	6.00
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM B STATE	010	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1969	May 1969	6.65
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM A	008	EDDY	S:2, T:17S, R:30E		G	Active	Jan 1969	Dec 1969	7.32
30-015-24198		HOVER STATE	005	EDDY	S:2, T:17S, R:30E	3,250	PO	Pumping	Nov 1982	Dec 1993	7.81
30-015-00000		WSLU TRACT 22	005	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1993	Dec 1993	7.81
30-015-00000		MERRIL STATE	005	EDDY	S:2, T:17S, R:30E		O	Active	Sep 1982	Jan 1993	8.00
30-015-00000	BURNHAM OIL CO	STATE B8146	003	EDDY	S:2, T:17S, R:30E		G	Active	Apr 1962	Nov 1968	9.33
30-015-00000	BURNHAM OIL COMPANY	STATE	'3-10	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1955	Dec 1957	9.90
30-015-00000	NASH, WINDFOHR & BROWN	JACKSON B	009	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1948	Dec 1949	10.97
30-015-37458	COG OPERATING LLC	YALE STATE	33	EDDY	S:2, T:17S, R:30E	6,222	O	Active Permit	Nov 2010	May 2011	15.03
30-015-37454	COG OPERATING LLC	YALE STATE	7	EDDY	S:2, T:17S, R:30E	6,245	O	Active Permit	Sep 2010	May 2011	16.16
30-015-37452	COG OPERATING LLC	YALE STATE	3	EDDY	S:2, T:17S, R:30E	6,232	O	Active Permit	Jul 2010	May 2011	16.42
30-015-37459	COG OPERATING LLC	YALE STATE	001	EDDY	S:2, T:17S, R:30E	6,200	PO	Active Permit	Jun 2010	May 2011	19.35
30-015-37453	COG OPERATING LLC	YALE STATE	5	EDDY	S:2, T:17S, R:30E	6,222	O	Active Permit	Aug 2010	May 2011	19.97
30-015-00000	BURNHAM OIL COMPANY	STATE	'3-10	EDDY	S:2, T:17S, R:30E		O	Active	Jan 1954	Dec 1954	26.03
30-015-38080	COG OPERATING LLC	YALE STATE	4	EDDY	S:2, T:17S, R:30E	6,154	O	Active Permit	Jan 2011	May 2011	26.65
30-015-38265	COG OPERATING LLC	YALE STATE	2	EDDY	S:2, T:17S, R:30E	6,175	O	Active Permit	Apr 2011	May 2011	57.65
30-015-38208	COG OPERATING LLC	YALE STATE	6	EDDY	S:2, T:17S, R:30E	6,150	O	Active Permit	Feb 2011	May 2011	68.23
30-015-38081	COG OPERATING LLC	YALE STATE	8	EDDY	S:2, T:17S, R:30E	6,181	O	Active Permit	Mar 2011	May 2011	95.58
30-015-04046	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002	EDDY	S:2, T:17S, R:30E		I	Flowing	Jan 2001	Apr 2011	
30-015-04048	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002A	EDDY	S:2, T:17S, R:30E	3,208	I	Pumping	Dec 1997	Apr 2011	

30-015-04049	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001C	EDDY	S:2, T:17S, R:30E		G	Flowing	Jan 1973	Apr 2011	
30-015-04056	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001D	EDDY	S:2, T:17S, R:30E	3,205	G	Flowing	Jan 1973	Apr 2011	
30-015-04058	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	003A	EDDY	S:2, T:17S, R:30E	3,230	G	Flowing	Feb 1973	May 2010	

Producing Wells in Sec 2, T17S, R30E, Eddy County



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