

DATE IN 8.31.10	SUSPENSE	ENGINEER DB.	LOGGED IN 8.31.10	TYPE A/SL	PGTW APP NO. 1024337948
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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 State #6

2010 AUG 30 A 11:03

ADMINISTRATIVE APPLICATION CHECKLIST 30-015-

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

Robyn Odom
Signature

REGULATORY ANALYST
Title

8/26/10
Date

(432) 685-4385
Phone Number

rododm@conchoresources.com
E-mail Address

**Yale State #6
Eddy County, NM**

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

Non-standard Location:
1105' FSL & 1650' FEL Sec 2, T17S, R30E, Unit O

**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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-	Pool Code 96718	Pool Name <i>under</i> LOCO HILLS; GLOREITA-YESO
Property Code 37953	Property Name YALE STATE	Well Number 6
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3755'

Surface Location

UL or lot No. 0	Section 2	Township 17-S	Range 30-E	Lot Idn	Feet from the 1105	North/South line SOUTH	Feet from the 1650	East/West line EAST	County EDDY
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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

LOT 4	LOT 3	LOT 2	LOT 1
39.90 AC	39.87 AC	39.83 AC	39.80 AC
GEODETTIC COORDINATES NAD 27 NME Y=676512.3 N X=621138.3 E LAT.=32.859194° N LONG.=103.938836° W			
1105'			
1650'			

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.

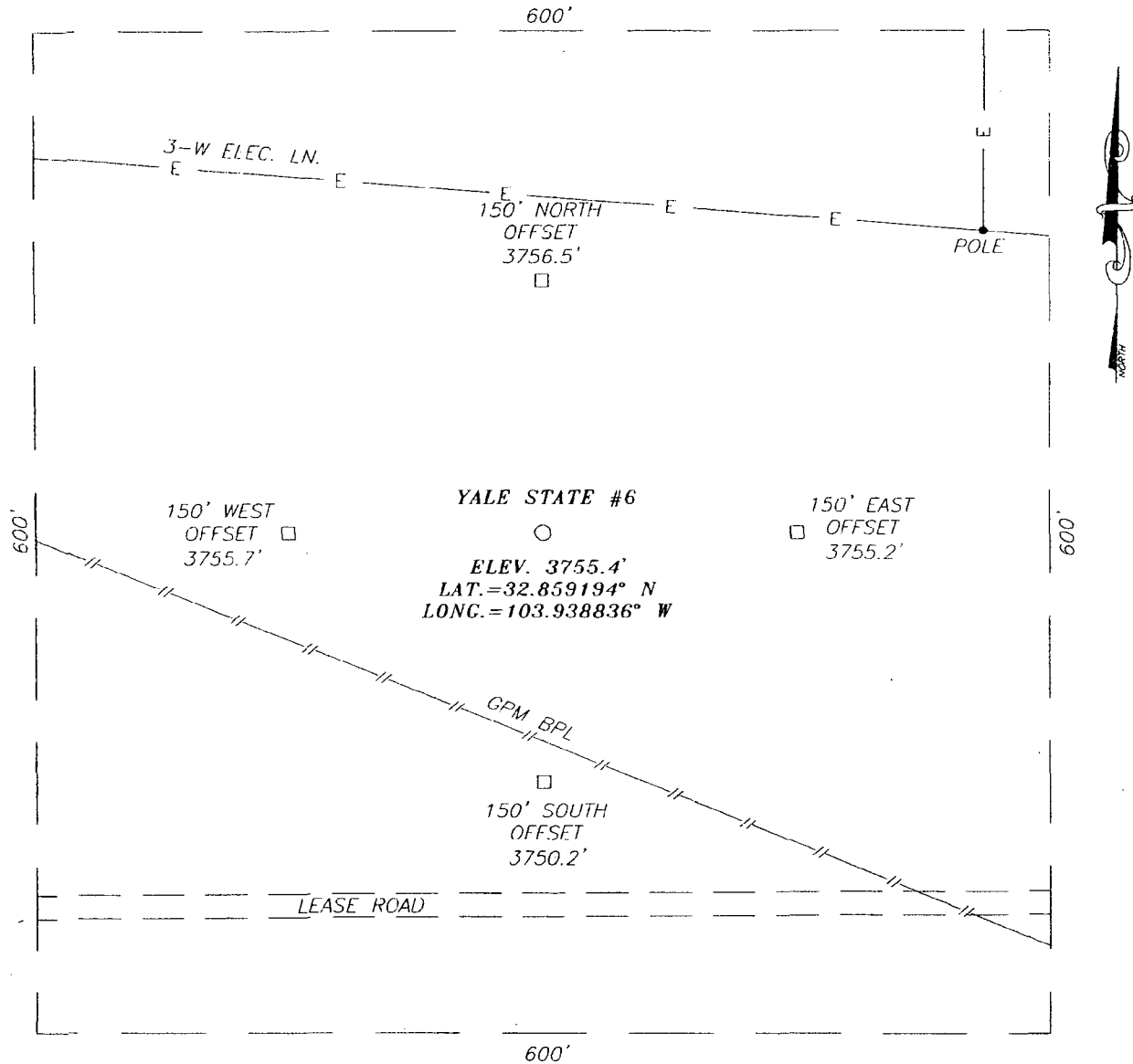
Robyn Odom 8/16/2010
Signature Date
Robyn Odom
Printed Name

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.

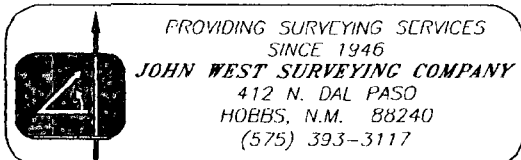
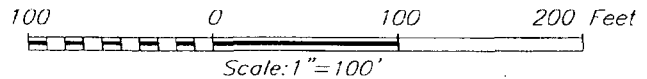
RONALD J. EIDSON
NEW MEXICO
3239
Date Surveyed 8/16/2010
Signature & Seal of Professional Surveyor
Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

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. #217
(HAGERMAN CUTOFF) AND CO. RD. #257 (MALLEY),
GO EAST ON CO. RD. #257 APPROX. 2.0 MILES.
TURN RIGHT AND GO SOUTH-SOUTHEAST APPROX.
1.1 MILE. TURN LEFT AND GO EAST APPROX. 0.4
MILES. THE LOCATION STAKE IS APPROX. 210 FEET
NORTH OF LEASE ROAD.



COG OPERATING, LLC

YALE STATE #6 WELL
LOCATED 1105 FEET FROM THE SOUTH LINE
AND 1650 FEET FROM THE EAST LINE OF SECTION 2,
TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

Survey Date: 7/28/10	Sheet 1 of 1 Sheets		
W.O. Number: 10.11.1101	Dr By: LA	Rev 1:N/A	
Date: 8/4/10		10111101	Scale: 1"=100'

Offset Wells to Yale State #6

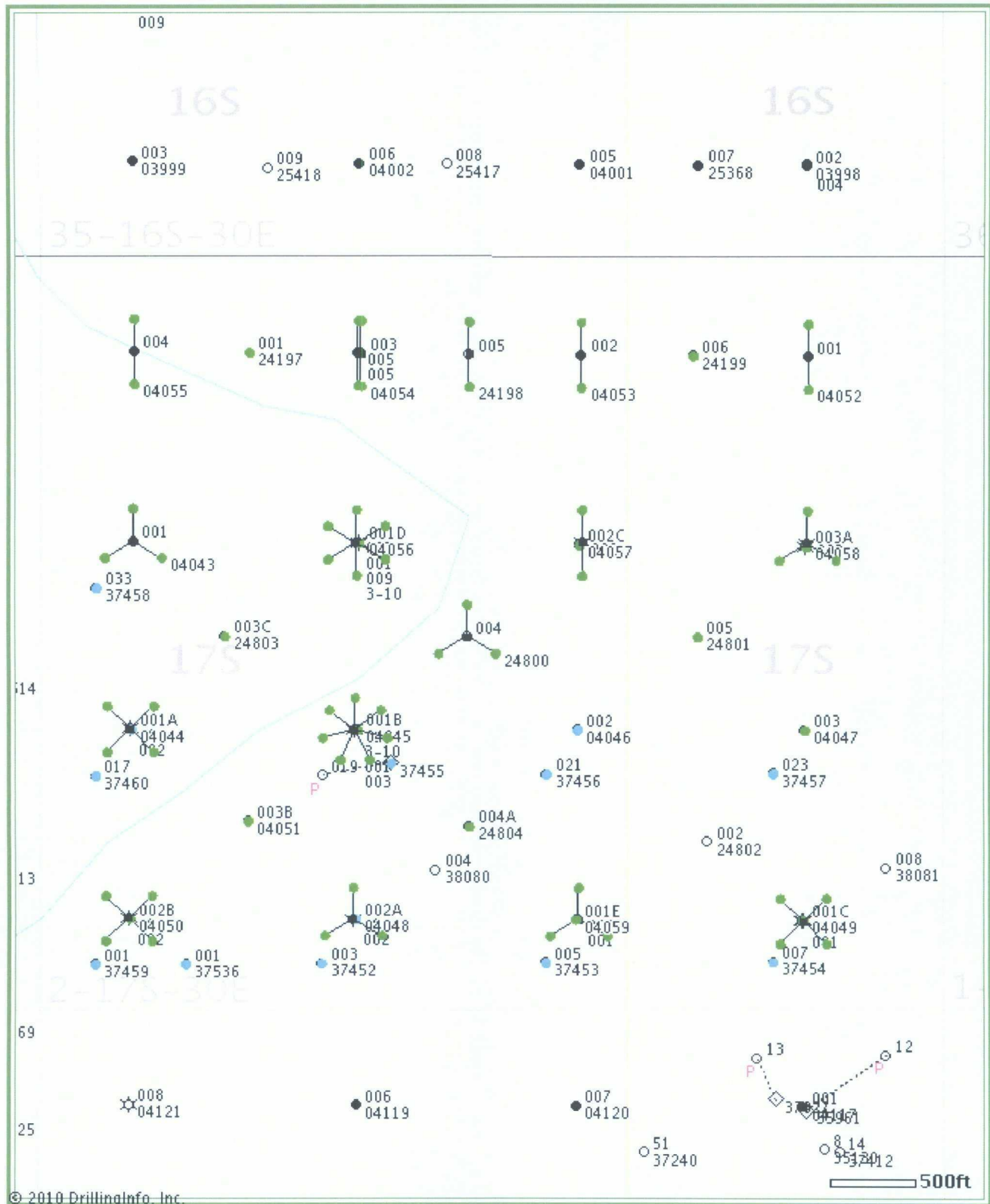
API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-00000	ANADARKO PROD CO	BURNHAM GRAYBURG SAN ANDRES UNIT TRACT 5	002	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	CANYON		G	Active	Sep 1971	Dec 1971	0.00
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM A	007	EDDY	S:2, T:17S, R:30E	SQUARE LAKE GRAYBURG SAN ANDRES G-SA			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	SQUARE LAKE GRAYBURG		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	SQUARE LAKE GRAYBURG			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
30-015-24800	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	004	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,250	PO	Active	Jan 1958	May 2010	0.19
30-015-04057	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002C	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,198	O	Pumping	Jan 1973	May 2010	0.23
30-015-00000	BURNHAM OIL CO	ST.	008	EDDY	S:2, T:17S, R:30E	SQUARE LAKE POOL			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	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,250	PO	Pumping	May 1984	May 2010	0.35
30-015-04045	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001B	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,199	O	Active	Jan 1973	May 2010	0.42
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
30-015-00000	ANADARKO PRODUCTION COMPANY	BURNHAM B STATE	002	EDDY	S:2, T:17S, R:30E	SQUARE LAKE GRAYBURG SAN ANDRES			G	Active	Jan 1969	Nov 1969	0.47
30-015-24800	BURNHAM OIL CO	ST.	004	EDDY	S:2, T:17S, R:30E	SQUARE LAKE POOL		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	SQUARE LAKE POOL			O	Active	Jan 1947	Dec 1967	0.48
30-015-00000	ANADARKO PROD CO	BURNHAM GRAYBURG SAN ANDRES UNIT TRACT 1	003	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	CANYON		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	SQUARE LAKE		GRAYBURG-SAN ANDRES	3,212	O	Active	Jan 1973	May 2010	0.68
30-015-04051	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	003B	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES		O	Active	Jan 1993	May 2010	0.77
30-015-24197	J CLEO THOMPSON	WEST SQUARE LAKE UNIT	001	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES	3,200	PO	Pumping	Jan 1993	May 2010	0.94
30-015-24198	J CLEO THOMPSON	WEST SQUARE LAKE UNIT	005	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES	3,250	PO	Pumping	Jan 1993	May 2010	0.94
30-015-00000	KENNEDY OIL CO INC	RANDEL STATE	002	EDDY	S:2, T:17S, R:30E	SQUARE LAKE GRAYBURG				G	Active	Jan 1965	Dec 1969	0.97
30-015-00000	BURNHAM OIL CO	STATE B3635	008	EDDY	S:2, T:17S, R:30E	SQUARE LAKE GRAYBURG				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	SQUARE LAKE GRAYBURG				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	SQUARE LAKE GRAYBURG				G	Active	Jan 1965	Dec 1969	1.10
30-015-00000	BURNHAM OIL CO	STATE B8146	010	EDDY	S:2, T:17S, R:30E	SQUARE LAKE GRAYBURG				G	Active	Jan 1960	Dec 1968	1.16
30-015-00000	RANDEL, O. H.	ST.	003	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		CANYON		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
30-015-24199	J CLEO THOMPSON	WEST SQUARE LAKE UNIT	006	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES	0	PO	Pumping	Oct 1982	May 2010	1.74
30-015-04043	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES	3,060	O	Active	Jan 1952	May 2010	1.77
30-015-24804	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	004A	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES	3,250	PO	Active	May 1984	May 2010	1.77
30-015-00000	ANADARKO PROD CO	BURNHAM GRAYBURG SAN ANDRES UNIT TRACT 4	001	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		CANYON		O	Active	Jan 1971	Dec 1971	1.87
30-015-04050	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002B	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		GRAYBURG-SAN ANDRES	3,207	O	Active	Jan 1973	May 2010	1.94
30-015-00000	RANDEL, O. H.	ST.	002	EDDY	S:2, T:17S, R:30E	SQUARE LAKE		CANYON		G	Active	Feb 1947	Dec 1964	2.03

30-015-00000	ANADARKO PROD CO	SAN ANDRES UNIT TRACT 5	001	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	CANYON				O	Active	Sep 1971	Dec 1971	5.61
30-015-00000	BURNHAM OIL CO.	ST.	003	EDDY	S:2, T:17S, R:30E	SQUARE LAKE POOL					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	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,250			PO	Pumping	Nov 1982	Dec 1993	7.81
30-015-00000		WSLU TRACT 22	005	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				O	Active	Jan 1993	Dec 1993	7.81
30-015-00000		MERRIL STATE	005	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				O	Active	Sep 1982	Jan 1993	8.00
30-015-00000	BURNHAM OIL CO	STATE B8146	003	EDDY	S:2, T:17S, R:30E	SQUARE LAKE GRAYBURG					G	Active	Apr 1962	Nov 1968	9.33
30-015-00000	BURNHAM OIL COMPANY	STATE	3-10	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	CANYON				O	Active	Jan 1955	Dec 1957	9.90
30-015-00000	NASH WINDFOHR & BROWN	JACKSON B	009	EDDY	S:2, T:17S, R:30E	PREMIER					O	Active	Jan 1948	Dec 1949	10.97
30-015-00000	BURNHAM OIL COMPANY	STATE	3-10	EDDY	S:2, T:17S, R:30E	SQUARE LAKE POOL					O	Active	Jan 1954	Dec 1954	26.03
30-015-04044	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001A	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				I	Flowing			
30-015-04046	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				I	Flowing	Jan 2001	May 2010	
30-015-04048	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	002A	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,208			I	Pumping	Dec 1997	May 2010	
30-015-04049	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001C	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				G	Flowing	Jan 1973	May 2010	
30-015-04056	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	001D	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,205			G	Flowing	Jan 1973	May 2010	
30-015-04058	CBS OPERATING CORP	BURNHAM GRAYBURG SAN ANDRES UNIT	003A	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES	3,230			G	Flowing	Feb 1973	May 2010	

30-015-04052		HOVER	001	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				O	Active		
30-015-04053		HOVER	002	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				O	Active		
30-015-04054		HOVER	003	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				O	Active		
30-015-04055		HOVER	004	EDDY	S:2, T:17S, R:30E	SQUARE LAKE	GRAYBURG-SAN ANDRES				O	Active		
30-015-37459	COG OPERATING LLC	YALE STATE	001	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37452	COG OPERATING LLC	YALE STATE	003	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37453	COG OPERATING LLC	YALE STATE	005	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37454	COG OPERATING LLC	YALE STATE	007	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37460	COG OPERATING LLC	YALE STATE	017	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37455	COG OPERATING LLC	YALE STATE	019	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37456	COG OPERATING LLC	YALE STATE	021	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37457	COG OPERATING LLC	YALE STATE	023	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37458	COG OPERATING LLC	YALE STATE	033	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,200			PO	Active Permit		
30-015-37536	CIMAREX ENERGY CO. OF COLORADO	CASTOR 2 STATE	001	EDDY	S:2, T:17S, R:30E	LOCO HILLS (PADDOCK)	PADDOCK	6,000			PO	Active Permit		

Offset Wells to Yale State #6



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LOCO HILLS