

DATE IN 1/19/12	SUSPENSE	ENGINEER DB	LOGGED IN 1/19/12	TYPE NSL	APP NO. 1201932068
-----------------	----------	-------------	-------------------	----------	--------------------

PTG W

COG 229137

me state #4

6555

J-23-175 -28E

RECEIVED OGD
JAN 19 P 2:44

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ADMINISTRATIVE APPLICATION CHECKLIST

30-015-39368

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.

Kelly J. Holly
 Print or Type Name

Signature

Permitting Tech
 Title

1-17-12
 Date

(432) 685-4384
 Phone Number

kholly@concho.com
 E-mail Address

**MC State #4
Eddy County, NM**

COG proposes to drill a **VERTICAL** NW/4 SE/4, 40 acre spacing
Empire; Glorieta-Yeso, East oil well
TD of approximately 5250'

Location:

1525' FSL & 1650' FEL Sec 23, T17S, R28E, Unit J

This well had to be drilled at a non-standard location due to buried pipelines.

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 Kool Aid State #3 (2160' FNL & 2310' FEL, Section 24, T17S, R28E, UL G) which was completed in March 2009.

The Kool Aid State #3 completion has Yeso perms from 4280' – 5070', divided into 3 perf/stimulation intervals.

1st interval: 4280' – 4480',
acidized w/ 2500 gals,
frac w/ 111,450 gal Slvr Stm gel, 140,141# White, & 33,172# CRC.

2nd interval: 4590' – 4790',
acidized w/ 2500 gals,
frac w/ 112,168 gal Slvr Stm gel, 132,583# White, & 34,283# CRC.

3rd interval: 4870' – 5070',
acidized w/ 2500 gals,
frac w/ 115,495 gal Slvr Stm gel, 143,285# White, & 36,640# CRC.

Attachment 1

Plat & map

Attachment 2

Map & legend of offset wells.

Attachment 3

Updated land plat showing that COG Operating LLC owns offset acreage.
The acreage we are encroaching on is SW/4 SE/4 and SE/4 SE/4 of Section 23.

All 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	Pool Code 37882	Pool Name Empire; Glorieta-Yeso
Property Code	Property Name MC STATE	Well Number 4
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3692'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	17-S	28-E		1525	SOUTH	1650	EAST	EDDY

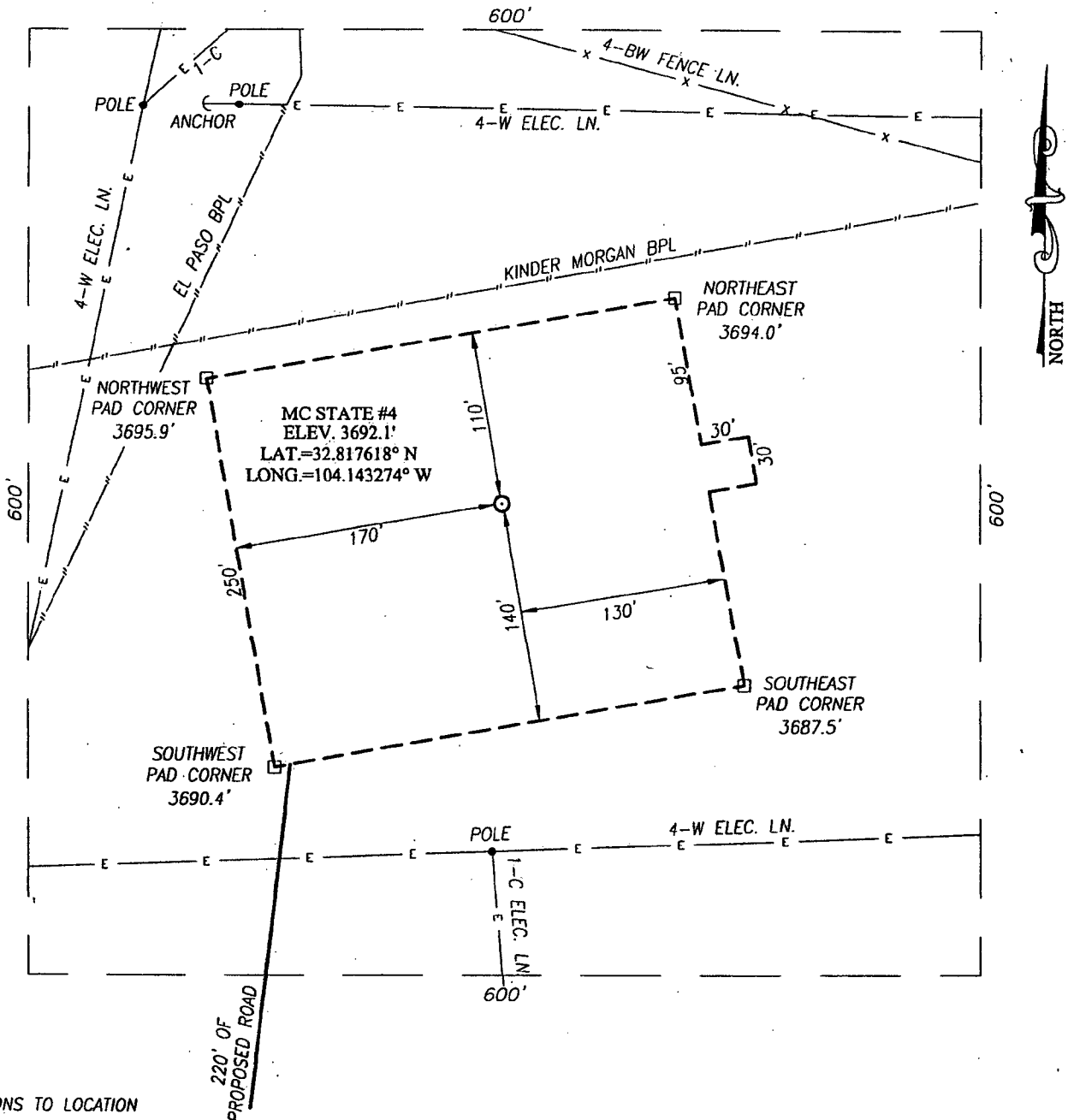
Bottom Hole Location If Different From Surface

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.						

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

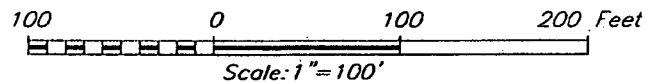
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=661213.0 N X=558388.7 E LAT.=32.817618° N LONG.=104.143274° W S.L. 1650' 1525'	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working 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. 8-29-11 Date Kelly J. Holly Printed Name kholly@concho.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. AUGUST 10, 2011 Date of Survey Signature & Seal of Professional Surveyor: Certificate Number... Gary Eidson 12641 Ronald J. Eidson 3239 LA JWSC W.O.: 11.11.1096

SECTION 23, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

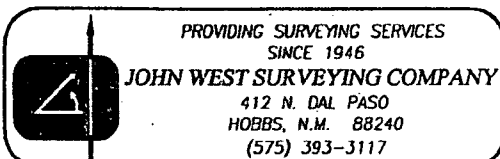
FROM THE INTERSECTION OF ST. HWY. #82 AND CO. RD. #209 (TURKEY TRACK RD.), TURN RIGHT AND GO NORTH APPROX. 128 FEET. TURN RIGHT AND GO NORTHEAST APPROX. 0.1 MILE. TURN LEFT AND GO NORTH APPROX. 0.8 MILES. TURN RIGHT AND GO EAST APPROX. 339 FEET. TURN LEFT AND GO EAST-NORTHEAST APPROX. 616 FEET. VEER RIGHT AND GO EAST APPROX. 229 FEET. TURN LEFT AND GO NORTH APPROX. 241 FEET TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY 416 NORTHEAST TO THIS LOCATION.



COG OPERATING, LLC

MC STATE #4 WELL
LOCATED 1525 FEET FROM THE SOUTH LINE
AND 1650 FEET FROM THE EAST LINE OF SECTION 23,
TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.

Survey Date: 8/10/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.1096	Dr. By: LA
Date: 8/17/11	11111096
	Scale: 1"=100'



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

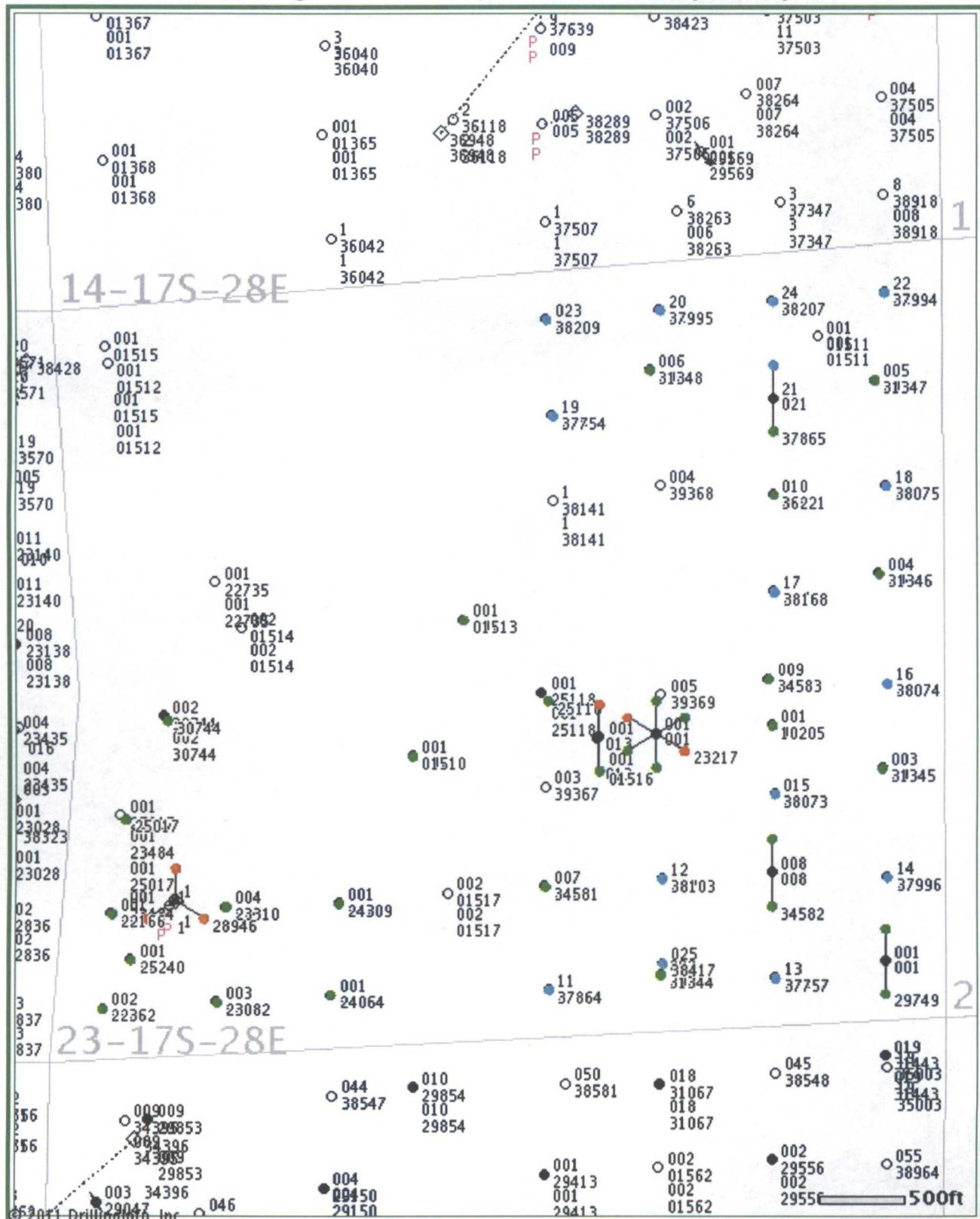
Producing Wells in Sec 23, T17S, R28E, Eddy County

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-28946	CONCHO EXPLORATION	DINAH 23 FEDERAL COM	1	EDDY	S:23, T:17S, R:28E	10,560	G	Salt Water Disposal	Dec 2000	Jun 2001	0.00
30-015-01510	FI-RO CORP	MALCO	001	EDDY	S:23, T:17S, R:28E	0	PO	Pumping	Jan 1961	Nov 2001	0.03
30-015-22166	C F M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	001	EDDY	S:23, T:17S, R:28E	0	O	Pumping	Jan 1979	May 2011	0.03
30-015-22362	C F M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	002	EDDY	S:23, T:17S, R:28E	802	O	Pumping	Jan 1993	May 2011	0.03
30-015-24064	C F M OIL CO DBA LOUIS AND JUDY FULTON	SRC STATE	001	EDDY	S:23, T:17S, R:28E	0	O	Pumping	Apr 1982	May 2011	0.03
30-015-01513	TANDEM ENERGY CORPORATION	HONDO FEDERAL	001	EDDY	S:23, T:17S, R:28E	2,149	PO	Pumping	Apr 1962	Jul 2010	0.06
30-015-23310	C F M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	004	EDDY	S:23, T:17S, R:28E	850	O	Pumping	Jan 1993	May 2011	0.06
30-015-23082	C F M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	003	EDDY	S:23, T:17S, R:28E	807	O	Pumping	Jan 1993	May 2011	0.10
30-015-01516		HUMBLE 23	001	EDDY	S:23, T:17S, R:28E	2,180	O	Active	Jan 1963	Feb 1979	0.25
30-015-10205	MARBOB ENERGY CORP	HUMBLE STATE 23	001	EDDY	S:23, T:17S, R:28E		O	Pumping	Aug 1993	Mar 1994	0.55
30-015-30744	MARBOB ENERGY CORP	MONCRIEF STATE	2	EDDY	S:23, T:17S, R:28E	4,025	PO	Pumping	Oct 1999	Aug 2011	0.55
30-015-25017	MARBOB ENERGY CORP	MONCRIEF STATE	1	EDDY	S:23, T:17S, R:28E	839	PO	Pumping	Oct 1984	Aug 2011	0.58
30-015-31347	COG OPERATING LLC	WHITE OAK STATE	005	EDDY	S:23, T:17S, R:28E	4,065	O	Pumping	Feb 2001	Aug 2011	0.65
30-015-29749	COG OPERATING LLC	WHITE OAK STATE	001	EDDY	S:23, T:17S, R:28E	7,924	O	Pumping	Apr 1998	Aug 2011	0.74
30-015-31344	COG OPERATING LLC	WHITE OAK STATE	002	EDDY	S:23, T:17S, R:28E	3,406	O	Pumping	Feb 2001	Aug 2011	0.74
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	11,000	D	Pumping	Apr 1981	Dec 1982	0.77
30-015-28946	CONCHO EXPLORATION	DINAH 23 FEDERAL COM	1	EDDY	S:23, T:17S, R:28E	10,560	G	Salt Water Disposal	Sep 1996	Nov 2000	0.97
30-015-31346	COG OPERATING LLC	WHITE OAK STATE	004	EDDY	S:23, T:17S, R:28E	4,072	O	Pumping	Dec 2000	Aug 2011	1.29
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	11,000	D	Pumping	Jan 1994	Jan 1994	1.71
30-015-31348	COG OPERATING LLC	WHITE OAK STATE	006	EDDY	S:23, T:17S, R:28E	4,020	O	Pumping	Apr 2001	Aug 2011	1.94
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	11,000	D	Pumping	Feb 1994	Mar 1994	2.03
30-015-34583	COG OPERATING LLC	WHITE OAK STATE	009	EDDY	S:23, T:17S, R:28E	5,512	O	Active Permit	Sep 2007	Aug 2011	5.19
	KINCAID AND WATSON				S:23, T:17S,						

30-015-01516	DRILLING CO	HUMBLE STATE	001	EDDY	R:28E	2,180	O	Active	Mar 1962	Dec 1962	6.74
30-015-34581	COG OPERATING LLC	WHITE OAK STATE	007	EDDY	S:23, T:17S, R:28E	5,260	O	Active Permit	Nov 2007	Aug 2011	9.03
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	11,000	D	Pumping	Jan 1984	Dec 1993	9.61
30-015-36221	COG OPERATING LLC	WHITE OAK STATE	010	EDDY	S:23, T:17S, R:28E	5,505	O	Active Permit	Feb 2009	Aug 2011	9.74
30-015-34582	COG OPERATING LLC	WHITE OAK STATE	008	EDDY	S:23, T:17S, R:28E	5,255	O	Active Permit	Nov 2006	Aug 2011	10.52
30-015-37754	COG OPERATING LLC	WHITE OAK STATE	19	EDDY	S:23, T:17S, R:28E	5,355	O	Active Permit	Dec 2010	Aug 2011	12.35
30-015-29749	MACK ENERGY CORP	WHITE OAK STATE	001	EDDY	S:23, T:17S, R:28E	7,924	O	Pumping	Oct 1997	Mar 1998	14.55
30-015-38103	COG OPERATING LLC	WHITE OAK STATE	12	EDDY	S:23, T:17S, R:28E	5,380	O	Active Permit	Mar 2011	Aug 2011	17.29
30-015-38209	COG OPERATING LLC	WHITE OAK STATE	23	EDDY	S:23, T:17S, R:28E	5,250	O	Active Permit	May 2011	Aug 2011	19.52
30-015-37995	COG OPERATING LLC	WHITE OAK STATE	20	EDDY	S:23, T:17S, R:28E	5,284	O	Active Permit	Jan 2011	Aug 2011	19.65
30-015-31345	COG OPERATING LLC	WHITE OAK STATE	003	EDDY	S:23, T:17S, R:28E	4,400	O	Pumping	Jan 2001	Aug 2011	20.35
30-015-37757	COG OPERATING LLC	WHITE OAK STATE	13	EDDY	S:23, T:17S, R:28E	5,354	O	Active Permit	Dec 2010	Aug 2011	21.06
30-015-37865	COG OPERATING LLC	WHITE OAK STATE	21	EDDY	S:23, T:17S, R:28E	5,350	O	Active	Sep 2010	Aug 2011	23.23
30-015-37864	COG OPERATING LLC	WHITE OAK STATE	11	EDDY	S:23, T:17S, R:28E	5,354	O	Active	Jan 2011	Aug 2011	30.84
30-015-38073	COG OPERATING LLC	WHITE OAK STATE	15	EDDY	S:23, T:17S, R:28E	5,360	O	Active Permit	Jun 2011	Aug 2011	36.87
30-015-38207	COG OPERATING LLC	WHITE OAK STATE	24	EDDY	S:23, T:17S, R:28E	5,281	O	Active Permit	Apr 2011	Aug 2011	41.61
30-015-37996	COG OPERATING LLC	WHITE OAK STATE	14	EDDY	S:23, T:17S, R:28E	5,360	O	Active Permit	Jun 2011	Aug 2011	48.16
30-015-37865	COG OPERATING LLC	WHITE OAK STATE	21	EDDY	S:23, T:17S, R:28E	5,350	O	Active	Sep 2010	Oct 2010	51.90
30-015-37994	COG OPERATING LLC	WHITE OAK STATE	22	EDDY	S:23, T:17S, R:28E	5,265	O	Active Permit	Jun 2011	Aug 2011	65.00
30-015-38074	COG OPERATING LLC	WHITE OAK STATE	16	EDDY	S:23, T:17S, R:28E	5,375	O	Active Permit	May 2011	Aug 2011	72.81
30-015-38168	COG OPERATING LLC	WHITE OAK STATE	17	EDDY	S:23, T:17S, R:28E	5,396	O	Active Permit	Apr 2011	Aug 2011	76.06
30-015-38417	COG OPERATING LLC	WHITE OAK STATE	25	EDDY	S:23, T:17S, R:28E	5,253	O	Active Permit	Jun 2011	Aug 2011	84.26
30-015-38075	COG OPERATING LLC	WHITE OAK STATE	18	EDDY	S:23, T:17S, R:28E	5,394	O	Active Permit	Jun 2011	Aug 2011	98.42
30-015-34582	COG OPERATING LLC	WHITE OAK STATE	008	EDDY	S:23, T:17S, R:28E	5,255	O	Active Permit	Nov 2006	Dec 2006	100.13
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	11,000	D	Pumping	Jan 1973	Dec 1993	

30-015-24309	MARBOB ENERGY CORP	SRC STATE	001	EDDY	S:23, T:17S, R:28E	3,494	O	Pumping	Dec 1982	Jan 2011	
30-015-25118	MARBOB ENERGY CORP	M.C. STATE	1	EDDY	S:23, T:17S, R:28E	3,525	PO	Pumping	Jan 1994	Aug 2011	
30-015-25240	MARBOB ENERGY CORP	TENNECO FEE	001	EDDY	S:23, T:17S, R:28E	3,025	O	Pumping	May 1985	Aug 2011	
30-015-28946	CHESAPEAKE OPERATING, INC.	DINAH 23 FEDERAL COM	1	EDDY	S:23, T:17S, R:28E	10,560	G	Salt Water Disposal	Jun 2001	Aug 2011	
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	11,000	D	Pumping	Jan 2003	Feb 2011	

Producing Wells in Sec 23, T17S, R28E, Eddy County



© 2011 Drilling Info, Inc. All rights reserved. All data and information is provided "As Is" and subject to the DI subscription agreement.

