

DATE IN 10-17-12	SUSPENSE NA	ENGINEER DB	LOGGED IN 10-17	TYPE NSL	APP NO. PDKB1229150900
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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
 Empire 23st #4
 8097

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.

Kelly J. Holly
 Print or Type Name

Signature

Permitting Tech
 Title

10-16-12
 Date

(432) 685-4384
 Phone Number

kholly@concho.com
 E-mail Address

**Empire 23 State #4
Eddy County, NM**

COG proposes to drill a **VERTICAL** SW/4 NW/4, 40 acre spacing
Empire; Glorieta-Yeso, oil well
TD of approximately 5500'

Non-Standard Location:

1560' FNL & 470' FWL Sec 23, T17S, R28E, Unit E

**This well had to be drilled at a non-standard location due to an existing
road too close to original location.**

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 COG Operating LLC owns the offset acreage.
The acreage we are encroaching is Unit D of Section 23.

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: (505) 393-4161 Fax: (505) 393-0720

DISTRICT II
411 S. First St., Artesia, NM 88210
Phone: (505) 746-1283 Fax: (505) 746-9720

DISTRICT III
1050 Rio Bravo Rd., Alamo, NM 87410
Phone: (505) 334-4178 Fax: (505) 334-4170

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 30-015-40655		Pool Code 96210	Pool Name EMPIRE; GLORIETTA-YESO
Property Code 38913	Property Name EMPIRE 23 STATE		Well Number 4
OGRID No. 229137	Operator Name COG OPERATING, LLC.		Elevation 3691.5'

Surface Location

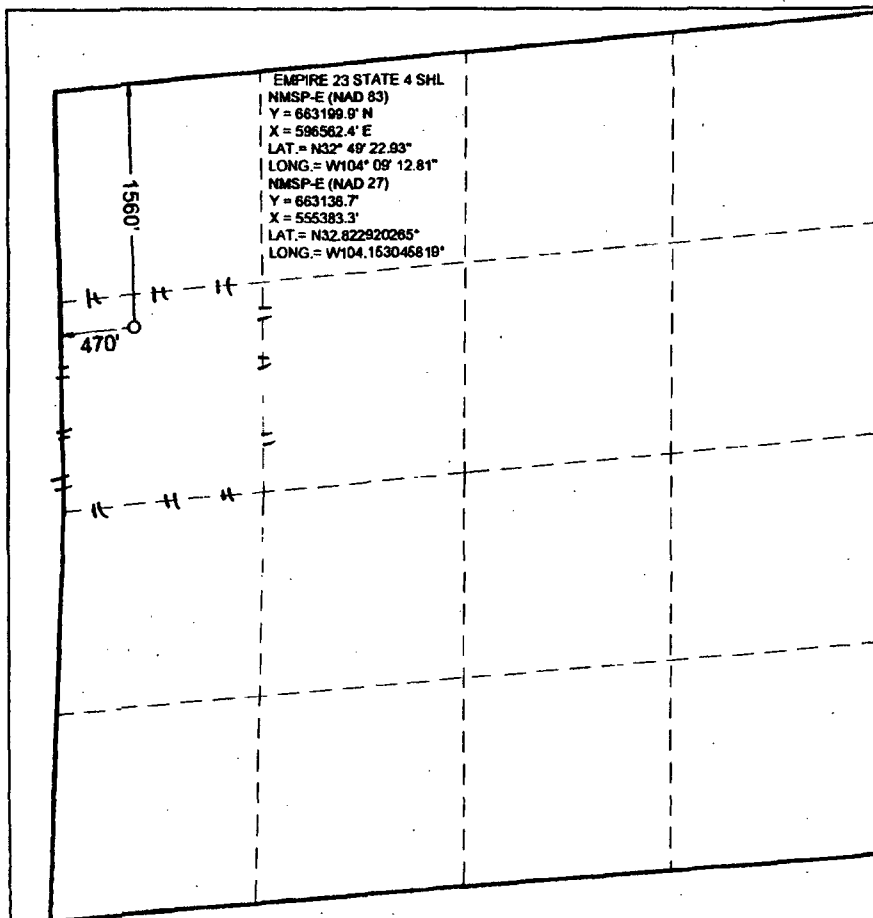
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	23	17 S	28 E		1560	NORTH	470	WEST	EDDY

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	Consolidated 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.



OPERATOR CERTIFICATION

I hereby certify that the information contained 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 a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

 **10-16-12**
Signature Date

Kelly J. Holly
Print Name

kholly@concho.com
E-mail Address

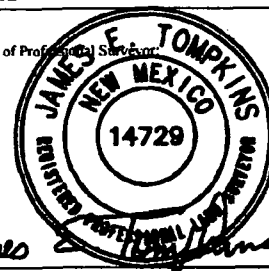
SURVEYORS CERTIFICATION

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 09, 2012

Date of Survey

Signature and Seal of Professional Surveyor



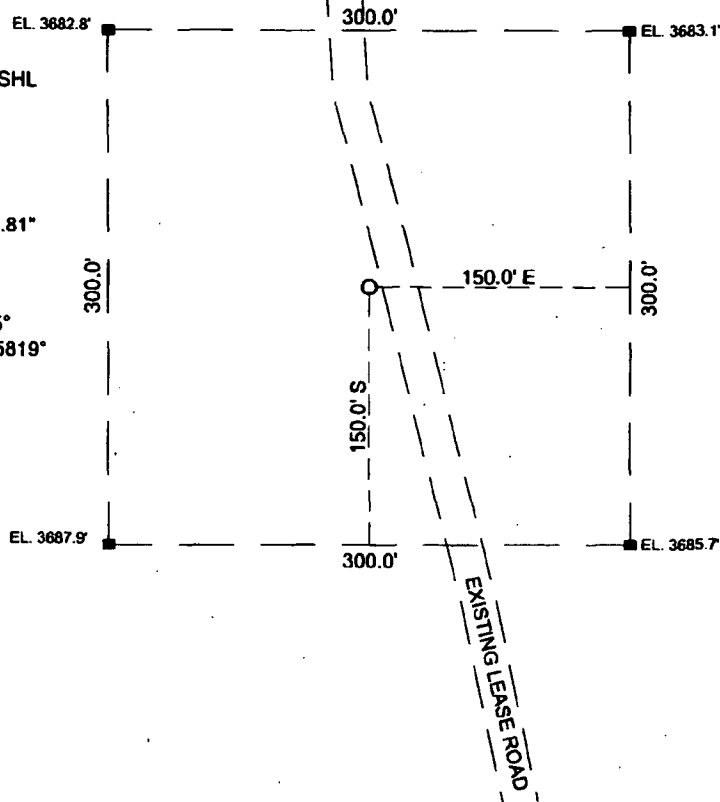
Job No. WTC48584

JAMES E. TOMPKINS 14729

Certificate Number

SITE LOCATION

EMPIRE 23 STATE 4 SHL
 ELEV. = 3691.5'
 NMSP-E (NAD 83)
 Y = 663199.9' N
 X = 596562.4' E
 LAT. = N32° 49' 22.93"
 LONG. = W104° 09' 12.81"
 NMSP-E (NAD 27)
 Y = 663136.7'
 X = 555383.3'
 LAT. = N32.822920265°
 LONG. = W104.153045819°



SCALE: 1" = 100'

SECTION 23, T 17 S, R 28 E, N.M.P.M.

COUNTY: EDDY STATE: NM

DESCRIPTION: 1560' FNL & 470' FWL

OPERATOR: COG OPERATING, LLC

WELL NAME: EMPIRE 23 STATE-4



DRIVING DIRECTIONS:

FROM THE JCT. OF HWY'S 529 AND 82 ABOUT 7.5 MILES WEST OF MALJAMAR, NM., GO WEST ON 82 FOR 14.2 MILES AND TURN RIGHT. GO NORTH 2.2 MILES TURN LEFT AND GO 0.4 MILES AND TURN RIGHT AND GO 0.1 MILES. LOCATION IS TO THE NORTH.



WEST TEXAS CONSULTANTS, INC.
 ENGINEERS PLANNERS SURVEYORS
 405 S.W. 1st STREET
 ANDREWS, TEXAS 79714
 (432) 623-2181



JOB No.: WTC48584

Producing wells in Sec 23, T17S, R28E

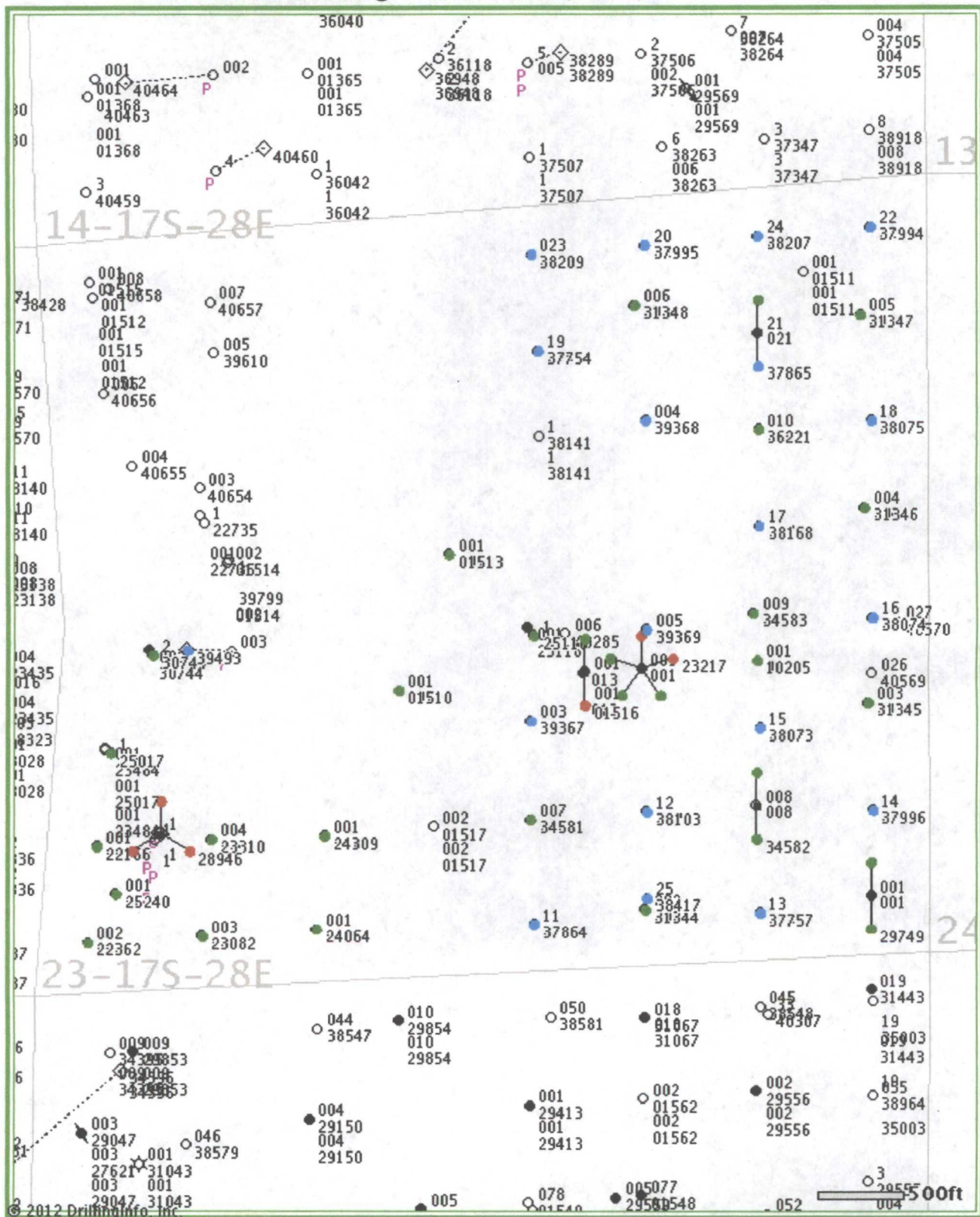
API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Prac. IP (MCF/D)
30-015-01510	FI-RO CORP	MALCO	001	EDDY	S:23, T:17S, R:28E	0	PO	Pumping	Jan 1961	Nov 2001	0.00
30-015-01513	TANDEM ENERGY CORPORATION	HONDO FEDERAL	001	EDDY	S:23, T:17S, R:28E	2,149	PO	Pumping	Apr 1962	Jul 2010	0.00
30-015-10205	MARBOB ENERGY CORP	HUMBLE STATE 23	001	EDDY	S:23, T:17S, R:28E		O	Pumping	Aug 1993	Mar 1994	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
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	0.00
30-015-25118	COG OPERATING LLC	M.C. STATE	1	EDDY	S:23, T:17S, R:28E	3,525	PO	Pumping	Jan 1994	Jul 2012	0.00
30-015-01516	KINCAID AND WATSON DRILLING CO	HUMBLE STATE	001	EDDY	S:23, T:17S, R:28E	2,180	O	Active	Mar 1962	Dec 1962	0.00
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	0.52
30-015-31346	COG OPERATING LLC	WHITE OAK STATE	004	EDDY	S:23, T:17S, R:28E	4,072	O	Pumping	Dec 2000	Jul 2012	0.61
30-015-31347	COG OPERATING LLC	WHITE OAK STATE	005	EDDY	S:23, T:17S, R:28E	4,065	O	Pumping	Feb 2001	Jul 2012	0.90
					S:23,						

30-015-38074	COG OPERATING LLC	WHITE OAK STATE	16	EDDY	T:17S, R:28E	5,375	O	Active Permit	May 2011	Jul 2012	1.80
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	1.89
30-015-31345	COG OPERATING LLC	WHITE OAK STATE	003	EDDY	S:23, T:17S, R:28E	4,400	O	Pumping	Jan 2001	Jul 2012	2.89
30-015-31348	COG OPERATING LLC	WHITE OAK STATE	006	EDDY	S:23, T:17S, R:28E	4,020	O	Pumping	Apr 2001	Jul 2012	5.55
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	6.13
30-015-31344	COG OPERATING LLC	WHITE OAK STATE	002	EDDY	S:23, T:17S, R:28E	3,406	O	Pumping	Feb 2001	Jul 2012	6.35
30-015-30744	COG OPERATING LLC	MONCRIEF STATE	2	EDDY	S:23, T:17S, R:28E	4,025	PO	Pumping	Oct 1999	Jul 2012	22.77
30-015-28946	THREE RIVERS OPERATING COMPANY LLC	DINAH 23 FEDERAL COM	1	EDDY	S:23, T:17S, R:28E	10,560	G	Salt Water Disposal	Jun 2001	May 2012	30.71
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	40.80
30-015-37864	COG OPERATING LLC	WHITE OAK STATE	11	EDDY	S:23, T:17S, R:28E	5,354	O	Active	Jan 2011	Jul 2012	51.75
30-015-34583	COG OPERATING LLC	WHITE OAK STATE	009	EDDY	S:23, T:17S, R:28E	5,512	O	Active Permit	Sep 2007	Jul 2012	52.06
30-015-37754	COG OPERATING LLC	WHITE OAK STATE	19	EDDY	S:23, T:17S, R:28E	5,355	O	Active Permit	Dec 2010	Jul 2012	54.03
30-015-38073	COG OPERATING LLC	WHITE OAK STATE	15	EDDY	S:23, T:17S, R:28E	5,360	O	Active Permit	Jun 2011	Jul 2012	60.58
30-015-39369	COG OPERATING LLC	M.C. STATE	005	EDDY	S:23, T:17S, R:28E	5,288	O	Active Permit	Dec 2011	Jul 2012	64.03
30-015-38207	COG OPERATING LLC	WHITE OAK STATE	24	EDDY	S:23, T:17S, R:28E	5,281	O	Active Permit	Apr 2011	Jul 2012	64.16
30-015-38417	COG OPERATING LLC	WHITE OAK STATE	25	EDDY	S:23, T:17S, R:28E	5,253	O	Active Permit	Jun 2011	Jul 2012	64.94
30-015-24309	COG OPERATING LLC	SRC STATE	001	EDDY	S:23, T:17S, R:28E	3,494	O	Pumping	Dec 1982	Jul 2012	66.87
					S:23,						

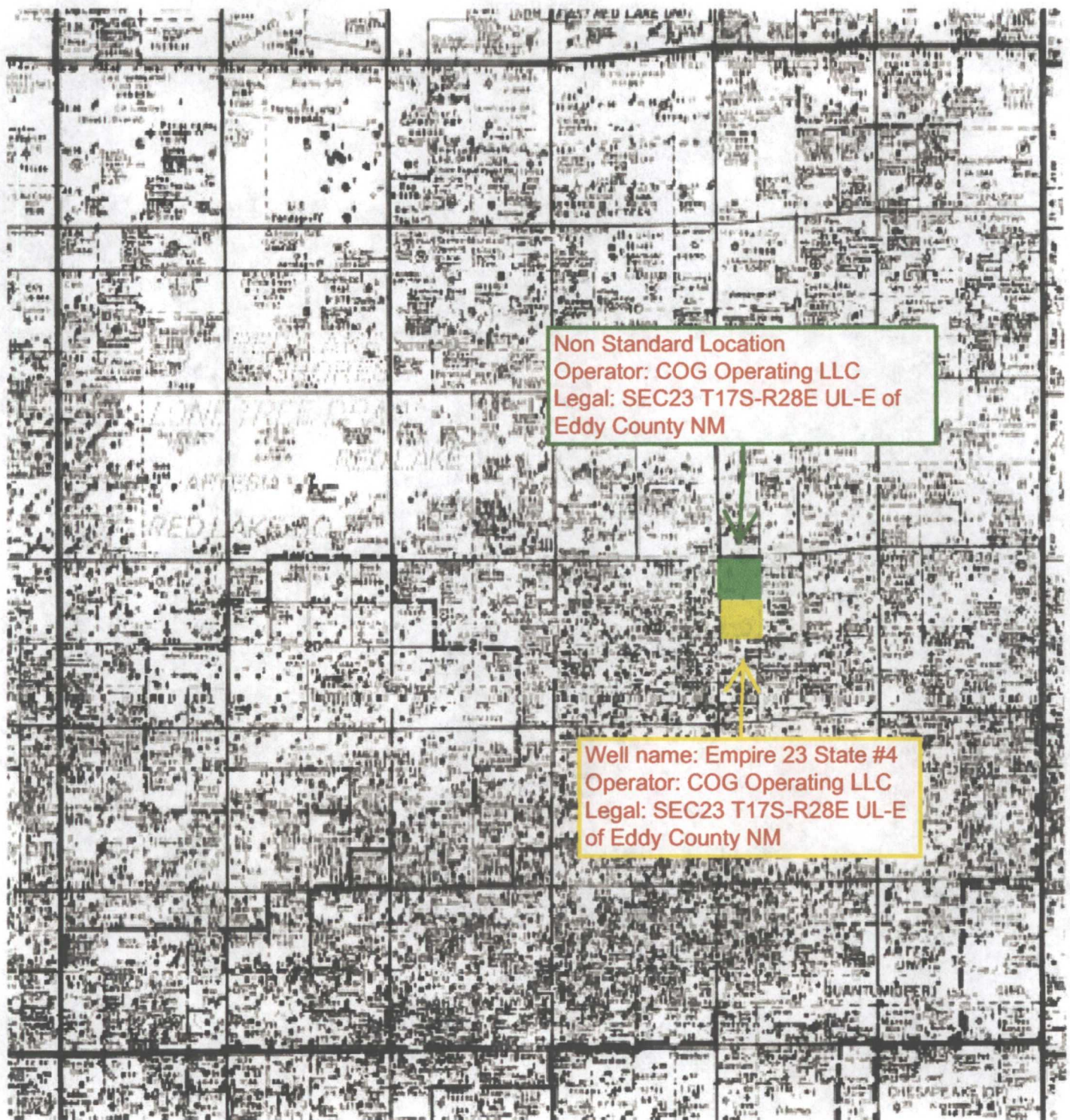
30-015-37996	COG OPERATING LLC	WHITE OAK STATE	14	EDDY	T:17S, R:28E	5,360	O	Active Permit	Jun 2011	Jul 2012	70.10
30-015-37865	COG OPERATING LLC	WHITE OAK STATE	21	EDDY	S:23, T:17S, R:28E	5,350	O	Active	Sep 2010	Oct 2010	74.74
30-015-37865	COG OPERATING LLC	WHITE OAK STATE	21	EDDY	S:23, T:17S, R:28E	5,350	O	Active	Sep 2010	Jul 2012	74.74
30-015-37994	COG OPERATING LLC	WHITE OAK STATE	22	EDDY	S:23, T:17S, R:28E	5,265	O	Active Permit	Jun 2011	Jul 2012	81.19
30-015-25017	COG OPERATING LLC	MONCRIEF STATE	1	EDDY	S:23, T:17S, R:28E	839	PO	Pumping	Oct 1984	Jul 2012	82.33
30-015-38168	COG OPERATING LLC	WHITE OAK STATE	17	EDDY	S:23, T:17S, R:28E	5,396	O	Active Permit	Apr 2011	Jul 2012	88.94
30-015-36221	COG OPERATING LLC	WHITE OAK STATE	010	EDDY	S:23, T:17S, R:28E	5,505	O	Active Permit	Feb 2009	Jul 2012	94.23
30-015-38075	COG OPERATING LLC	WHITE OAK STATE	18	EDDY	S:23, T:17S, R:28E	5,394	O	Active Permit	May 2011	Jul 2012	97.40
30-015-01516		HUMBLE 23	001	EDDY	S:23, T:17S, R:28E	2,180	O	Active	Jan 1963	Feb 1979	107.93
30-015-34581	COG OPERATING LLC	WHITE OAK STATE	007	EDDY	S:23, T:17S, R:28E	5,260	O	Active Permit	Nov 2007	Jul 2012	123.19
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	141.65
30-015-34582	COG OPERATING LLC	WHITE OAK STATE	008	EDDY	S:23, T:17S, R:28E	5,255	O	Active Permit	Nov 2006	Jul 2012	141.65
30-015-39493	COG OPERATING LLC	MONCRIEF STATE	003	EDDY	S:23, T:17S, R:28E	5,259	PO	Active Permit	Dec 2011	Jul 2012	148.77
30-015-37757	COG OPERATING LLC	WHITE OAK STATE	13	EDDY	S:23, T:17S, R:28E	5,354	O	Active Permit	Dec 2010	Jul 2012	158.42
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	168.76
30-015-39367	COG OPERATING LLC	M.C. STATE	003	EDDY	S:23, T:17S, R:28E	5,283	U	Active Permit	Feb 2012	Jul 2012	170.45
30-015-39368	COG OPERATING LLC	M.C. STATE	004	EDDY	S:23, T:17S, R:28E	5,275	U	Active Permit	Feb 2012	Jul 2012	176.10
					S:23,						

30-015-25240	COG OPERATING LLC	TENNECO FEE	001	EDDY	T:17S, R:28E	3,025	O	Pumping	May 1985	Jul 2012	182.07
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	337.00
30-015-29749	COG OPERATING LLC	WHITE OAK STATE	001	EDDY	S:23, T:17S, R:28E	7,924	O	Pumping	Apr 1998	Jul 2012	859.84
30-015-37995	COG OPERATING LLC	WHITE OAK STATE	20	EDDY	S:23, T:17S, R:28E	5,284	O	Active Permit	Jan 2011	Jul 2012	
30-015-38103	COG OPERATING LLC	WHITE OAK STATE	12	EDDY	S:23, T:17S, R:28E	5,380	O	Active Permit	Mar 2011	Jul 2012	
30-015-38209	COG OPERATING LLC	WHITE OAK STATE	023	EDDY	S:23, T:17S, R:28E	5,250	O	Active Permit	May 2011	Jul 2012	

Producing wells in Sec 23, T17S, R28E



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Non Standard Location
Operator: COG Operating LLC
Legal: SEC23 T17S-R28E UL-E of
Eddy County NM

Well name: Empire 23 State #4
Operator: COG Operating LLC
Legal: SEC23 T17S-R28E UL-E
of Eddy County NM