

DATE IN 8-6-10	SUSPENSE	ENGINEER DB	LOGGED IN 8-6-10	TYPE NSL	APP NO. PTB W 1021829731
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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 op.

White Oak State #13

RECEIVED OCD

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

Robyn M. Odom
Signature

REGULATORY ANALYST
Title

8/4/10
Date

(432) 685-4385
Phone Number

rododm@conchoresources.com
E-mail Address

**White Oak State #15
Eddy County, NM**

COG proposes to drill a **VERTICAL** SE/4, 40 acre spacing
Empire;Glorieta-Yeso, East oil well
TD of approximately 5350'

Location:

1595' FSL & 990' FEL Sec 23, T17S, R28E, Unit I

This well had to be drilled at a non-standard location due to electrical lines.

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 the SE/4 SE/4 and the SW/4 SE/4
of Section 23.

Interests are the same.

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

State of New Mexico

DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38073		Pool Code 96210	Pool Name EMPIRE; GLORIETA-YESO
Property Code 302584	Property Name WHITE OAK STATE		Well Number 15
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3698'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	23	17-S	28-E		1595	SOUTH	990	EAST	EDDY

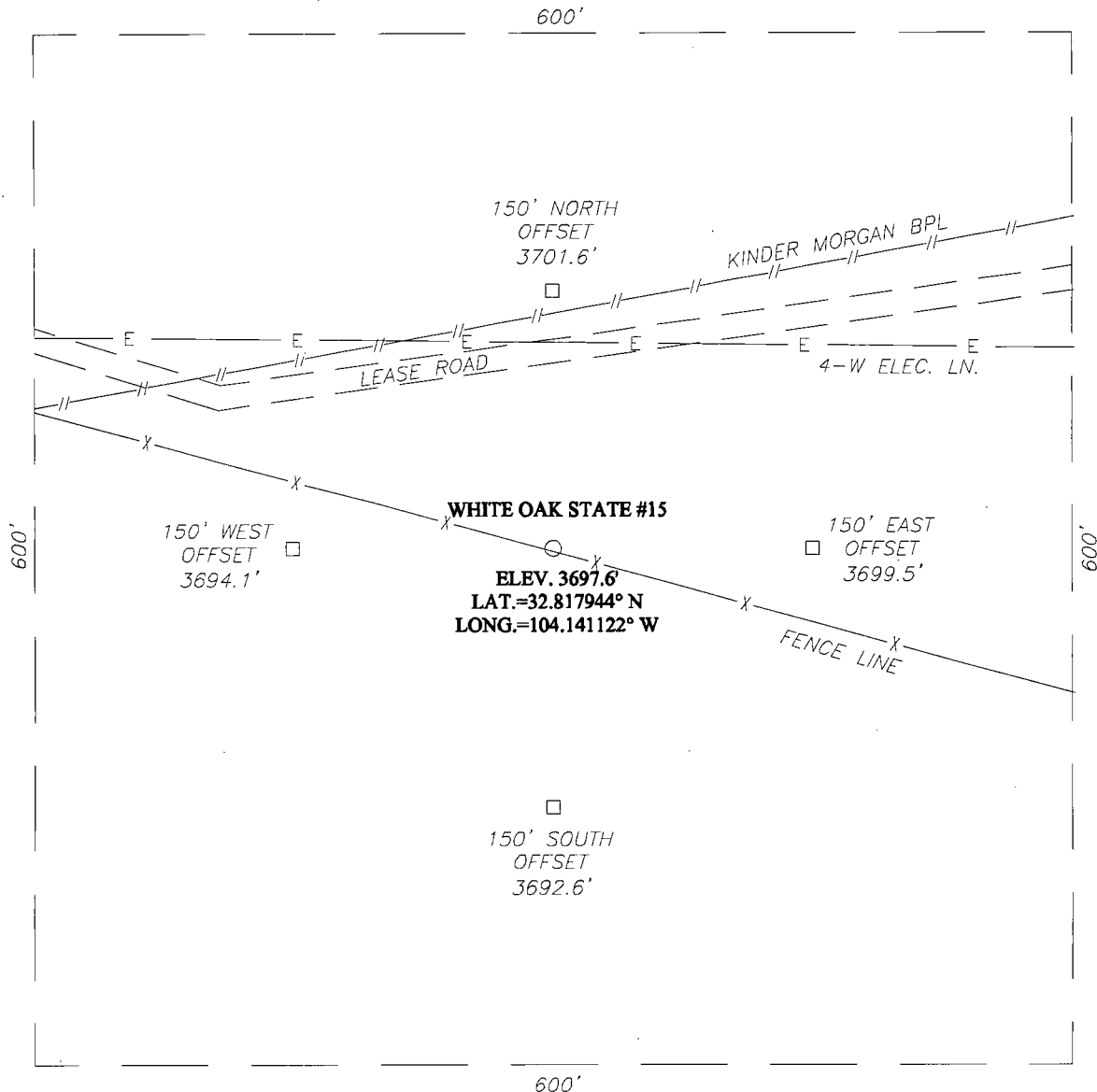
Bottom Hole Location If Different From Surface

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

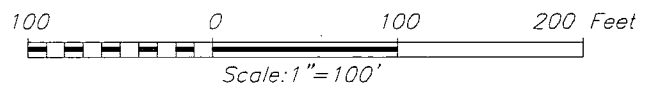
GEODETIC COORDINATES NAD 27 NME Y=661332.8 N X=559049.7 E LAT.=32.817944° N LONG.=104.141122° W	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral 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. <i>Robyn Odom</i> 8/4/2010 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.	
	DATE SURVEYED: 09/03/2010 Signature & Seal of Professional Surveyor 3239 <i>Ronald J. Eidson</i>	
	Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239	

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 TRACT); GO NORTH ON CO. RD. #209 APPROX. 1.3 MILES. TURN RIGHT AND GO NORTHEAST APPROX. 0.1 MILE. TURN RIGHT AND GO SOUTHEAST APPROX. 0.2 MILES. THE LOCATION STAKE IS APPROX. 105 FEET SOUTH OF LEASE ROAD.



COG OPERATING, LLC

WHITE OAK STATE #15 WELL
 LOCATED 1595 FEET FROM THE SOUTH LINE
 AND 990 FEET FROM THE EAST LINE OF SECTION 23,
 TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 7/23/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.1081	Dr By: LA
Date: 8/2/10	10111081
	Scale: 1" = 100'



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

Offset Wells to White Oak State #15

API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-28946	CONCHO EXPLORATION	DINAH 23 FEDERAL COM	1	EDDY	S:23, T:17S, R:28E	ANDERSON	WOLFCAMP	10,560	G	Salt Water Disposal	Dec 2000	Jun 2001	0.00
30-015-01510	FIRO CORP	MALCO	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	0	PO	Pumping	Jan 1961	Nov 2001	0.03
30-015-22166	CF M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	001	EDDY	S:23, T:17S, R:28E	EMPIRE	YATES-SEVEN RIVERS, EAST	0	O	Pumping	Jan 1979	May 2010	0.03
30-015-24064	CF M OIL CO DBA LOUIS AND JUDY FULTON	SRC STATE	001	EDDY	S:23, T:17S, R:28E	EMPIRE	YATES-SEVEN RIVERS, EAST	0	O	Pumping	Apr 1982	May 2010	0.03
30-015-22362	CF M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	002	EDDY	S:23, T:17S, R:28E	EMPIRE	YATES-SEVEN RIVERS, EAST	802	O	Pumping	Jan 1993	May 2010	0.06
30-015-23082	CF M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	003	EDDY	S:23, T:17S, R:28E	EMPIRE	YATES-SEVEN RIVERS, EAST	807	O	Pumping	Jan 1993	May 2010	0.06
30-015-23310	CF M OIL CO DBA LOUIS AND JUDY FULTON	WOLF	004	EDDY	S:23, T:17S, R:28E	EMPIRE	YATES-SEVEN RIVERS, EAST	850	O	Pumping	Jan 1993	May 2010	0.13
30-015-01513	TANDEM ENERGY CORPORATION	HONDO FEDERAL	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	2,149	PO	Pumping	Apr 1962	Jan 2010	0.23
30-015-01516		HUMBLE 23	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	2,180	O	Active	Jan 1963	Feb 1979	0.25
30-015-25118	MARBOR ENERGY CORP	M.C. STATE	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	3,525	O	Pumping	Jan 1994	Apr 2010	0.33
30-015-24309	MARBOR ENERGY CORP	SRC STATE	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	3,494	O	Pumping	Dec 1982	Nov 2009	0.47
30-015-10205	MARBOR ENERGY CORP	HUMBLE STATE 23	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA		O	Pumping			
30-015-25017	MARBOR ENERGY CORP	MONCRIEF STATE	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA		O	Pumping	Aug 1993	Mar 1994	0.55
30-015-23217	MARBOR ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S:23, T:17S, R:28E	EDDY UNDESIGNATED	ATOKA (GAS)	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	EMPIRE	ATOKA (GAS)	10,560	G	Salt Water Disposal	Sep 1996	Nov 2000	0.97
30-015-29749	COG OPERATING LLC	WHITE OAK STATE	001	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	7,924	O	Pumping	Apr 1998	May 2010	1.06
30-015-31344	COG OPERATING LLC	WHITE OAK STATE	002	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	3,406	O	Pumping	Feb 2001	May 2010	1.06
30-015-31346	COG OPERATING LLC	WHITE OAK STATE	004	EDDY	S:23, T:17S, R:28E	RED LAKE	QUEEN-GRAYBURG-SA	4,072	O	Pumping	Dec 2000	May 2010	1.23
30-015-31347	COG OPERATING LLC	WHITE OAK STATE	005	EDDY	S:23, T:17S, R:28E	EMPIRE	YESO	4,065	O	Pumping	Feb 2001	May 2010	1.26

30-015-31345	COG OPERATING LLC	OAK STATE	003	EDDY	T-17S, R-28E	RED LAKE	QUEEN-GRAYBURG-SA	4,400	O	Pumping	Jan 2001	May 2010	1.32
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S-23, T-17S, R-28E	EMPIRE	ABO	11,000	D	Pumping	Jan 1994	Jan 1994	1.71
30-015-30744	MARBOB ENERGY CORP	MONCRIEF STATE	002	EDDY	S-23, T-17S, R-28E	RED LAKE	QUEEN-GRAYBURG-SA	4,025	O	Pumping	Oct 1999	Apr 2010	1.80
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S-23, T-17S, R-28E	WILDCAT	GROUP 3 (DO NOT USE)	11,000	D	Pumping	Feb 1994	Mar 1994	2.03
30-015-25240	MARBOB ENERGY CORP	TENNECO FEE	001	EDDY	S-23, T-17S, R-28E	RED LAKE	QUEEN-GRAYBURG-SA	3,025	O	Pumping	May 1985	Apr 2010	2.63
30-015-34582	COG OPERATING LLC	WHITE OAK STATE	008	EDDY	S-23, T-17S, R-28E	EMPIRE	YESO	5,255	O	Active Permit	Nov 2006	May 2010	3.16
30-015-31348	COG OPERATING LLC	WHITE OAK STATE	006	EDDY	S-23, T-17S, R-28E	EMPIRE	YESO	4,020	O	Pumping	Apr 2001	May 2010	4.68
30-015-01516	KINCAID AND WATSON DRILLING CO	HUMBLE STATE	001	EDDY	S-23, T-17S, R-28E	RED LAKE GRAYBURG		2,180	O	Active	Mar 1962	Dec 1962	6.74
30-015-34583	COG OPERATING LLC	WHITE OAK STATE	009	EDDY	S-23, T-17S, R-28E	EMPIRE	YESO	5,512	O	Active Permit	Sep 2007	May 2010	7.00
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S-23, T-17S, R-28E	EMPIRE	ATOKA (GAS)	11,000	D	Pumping	Jan 1984	Dec 1993	9.61
30-015-34581	COG OPERATING LLC	WHITE OAK STATE	007	EDDY	S-23, T-17S, R-28E	EMPIRE	YESO	5,260	O	Active Permit	Nov 2007	May 2010	11.29
30-015-36221	COG OPERATING LLC	WHITE OAK STATE	010	EDDY	S-23, T-17S, R-28E	EMPIRE	YESO	5,505	O	Active Permit	Feb 2009	May 2010	13.87
30-015-29749	MACK ENERGY CORP	WHITE OAK STATE	001	EDDY	S-23, T-17S, R-28E	EMPIRE	ABO	7,924	O	Pumping	Oct 1997	Mar 1998	14.55
30-015-34582	COG OPERATING LLC	WHITE OAK STATE	008	EDDY	S-23, T-17S, R-28E	EMPIRE, YESO 96210		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	RED LAKE	QUEEN-GRAYBURG-SA	11,000	D	Pumping	Jan 1973	Dec 1993	
30-015-28946	CHESAPEAKE OPERATING, INC.	DINAH 23 FEDERAL COM	1	EDDY	S-23, T-17S, R-28E	EMPIRE	MORROW, SOUTH (GAS)	10,560	G	Salt Water Disposal	Jun 2001	Feb 2009	
30-015-23217	MARBOB ENERGY CORP	NEW MEXICO CY STATE	001	EDDY	S-23, T-17S, R-28E	SWD	PENN	11,000	D	Pumping	Jan 2003	Apr 2010	
30-015-29749	MACK ENERGY CORP	WHITE OAK STATE	001	EDDY	S-23, T-17S, R-28E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	7,924	O	Pumping			
30-015-01516		HUMBLE 23	001	EDDY	S-23, T-17S, R-28E	EMPIRE	YATES-SEVEN RIVERS, EAST	2,180	O	Active			
30-015-34583	COG OPERATING LLC	WHITE OAK STATE	009	EDDY	S-23, T-17S, R-28E	EMPIRE, GLORIETA-YESO 96210		5,512	O	Active Permit			
30-015-34581	COG OPERATING LLC	WHITE OAK STATE	007	EDDY	S-23, T-17S, R-28E	EMPIRE, GLORIETA-YESO		5,260	O	Active Permit			
	RICKS	DINAH 23			S-23,								

30-015-28946	EXPLORATION , INC.	FEDERAL COM	1	EDDY	T-17S, R-28E	EMPIRE; MORROW, SOUTH (GAS)	GAS		10,560	G	Salt Water Disposal		
30-015-28946	RICKS EXPLORATION, INC.	DINAH 23 FEDERAL COM	1	EDDY	S-23, T-17S, R-28E	ANDERSON; WOLF CAMP			10,560	G	Salt Water Disposal		
30-015-36221	TEST123	WHITE OAK STATE	010	EDDY	S-23, T-17S, R-28E	EMPIRE; GLORIETA-YESO			5,505	O	Active Permit		
30-015-37757	COG OPERATING LLC	WHITE OAK STATE	013	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active Permit		
30-015-37754	COG OPERATING LLC	WHITE OAK STATE	019	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active Permit		
30-015-37864	COG OPERATING LLC	WHITE OAK STATE	011	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active		
30-015-37865	COG OPERATING LLC	WHITE OAK STATE	021	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active		
30-015-37996	COG OPERATING LLC	WHITE OAK STATE	014	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active Permit		
30-015-37995	COG OPERATING LLC	WHITE OAK STATE	020	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active Permit		
30-015-37994	COG OPERATING LLC	WHITE OAK STATE	022	EDDY	S-23, T-17S, R-28E	EMPIRE (YESO)	YESO		5,350	PO	Active Permit		

