

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



*COG Operating LLC
Mimosa state #004*

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

- [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.

PHYLLIS A. EDWARDS
Print or Type Name

Phyllis A. Edwards
Signature

REGULATORY ANALYST
Title

10/23/07
Date

pedwards@conchoresources.com
e-mail Address

RECEIVED
2007 OCT 24 PM 3:49

**Mimosa State #4
Eddy County, NM
API #: 30-015 34691**

NW 1/4 SW 1/4
3B

VERTICAL Empire; Yeso oil well
TD of approximately 4600'
1403' FSL & 1103' FWL Sec 30, T17S, R29E, Unit K

This well had to be drilled at a non-standard location due to a buried gas pipeline.
COG originally planned a directional well,
but requests to drill **VERTICALLY** to be cost effective.

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 similar to the

Mimosa State #3
2160 FSL & 1919 FWL, Section 30, T17S, R29E, UL K
drilled in January 2004

The Mimosa State #3 completion broke the Yeso up into 1 Paddock
perf/stimulation interval. At this time, we assume the Mimosa State #3 will be
very similar. Mimosa State #3 has perms from: 3990.5' – 4289' with acid and
frac stimulations.

Interval: 3990.5' – 4289' (45'), 91 total holes.
acidized w/ 3000 gals acid,
frac'd w/ 54,000 gals 40# gel, & 32,000 gals 20% HCl
acidized w/ 5000 gals acid

Attachment 1

Permit, Plat and Map showing pipeline, APD Extension letter,
New Plat showing vertical location only,

Attachment 2

Map and legend of offset wells.

Attachment 3

Updated land plat showing that COG Operating LLC acreage in yellow.
The acreage we are encroaching on is the NW/4 of the SW/4 of Section 30.
COG owns all of Section 30.

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

District II
1301 W. Grand Ave., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720

State of New Mexico
Energy, Minerals and Natural Resources

Form C-101
Permit 25431

Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MACK ENERGY CORP PO BOX 960 ARTESIA, NM 882110960		2. OGRID Number 13837
		3. API Number 30-015-34691
4. Property Code 24229	5. Property Name MIMOSA STATE	6. Well No. 004

7. Surface Location

UL - Lot K	Section 30	Township 17S	Range 29E	Lot Idn K	Feet From 1650	N/S Line S	Feet From 1263	E/W Line W	County EDDY
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8. Pool Information

EMPIRE; YESO	96210
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3647
14. Multiple N	15. Proposed Depth 6000	16. Formation Yeso Formation	17. Contractor	18. Spud Date 3/20/2006
Depth to Ground water 115		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 3000 bbls Drilling Method: Closed Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	325	325	0
Int1	12.25	8.625	24	800	500	0
Prod	7.875	5.5	17	6000	1200	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill a 17 1/2 hole to 325', run 13 3/8 casing and cement. Drill a 12 1/4 hole to 800', run 8 5/8 casing and cement. Drill a 7 7/8 hole to 6000' test Yeso formation, run 5 1/2 casing and cement. Note: On production string a fluid caliper will be run and will figure cement with 25% excess, attempt to circulate.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	2000	2000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

Printed Name: Electronically filed by Jerry Sherrell

Title: Production Clerk

Email Address: jerrys@mackenergycorp.com

Date: 3/15/2006

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Approved By: Bryan Arrant

Title: Geologist

Approved Date: 3/15/2006

Expiration Date: 3/15/2007

Conditions of Approval Attached

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division**1220 S. St Francis Dr.****Santa Fe, NM 87505**Form C-102
Permit 25431**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-34691	2. Pool Code 96210	3. Pool Name EMPIRE; YESO
4. Property Code 24229	5. Property Name MIMOSA STATE	6. Well No. 004
7. OGRID No. 13837	8. Operator Name MACK ENERGY CORP	9. Elevation 3647

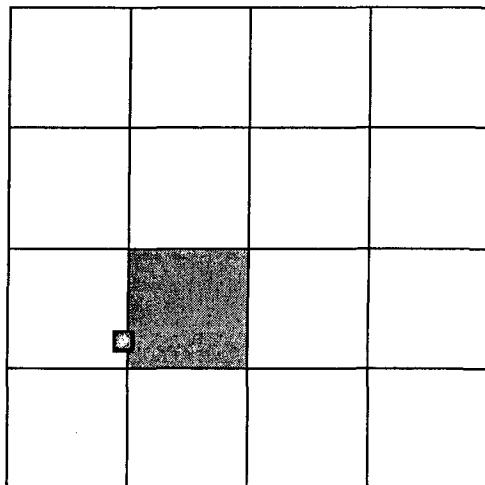
10. Surface Location

UL - Lot K	Section 30	Township 17S	Range 29E	Lot Idn	Feet From 1650	N/S Line S	Feet From 1263	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00	13. Joint or Infill		14. Consolidation Code			15. 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**

**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(s) 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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Jerry Sherrell

Title: Production Clerk

Date: 3/15/2006

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.

Surveyed By: Gary Eidson

Date of Survey: 3/13/2006

Certificate Number: 12641

Permit Conditions of Approval

Operator: MACK ENERGY CORP , 13837

Well: MIMOSA STATE #004

API: 30-015-34691

OCD Reviewer	Condition
BArrant	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
BArrant	Operator to drill surface hole with fresh water mud as noted.

Permit Comments

Operator: MACK ENERGY CORP , 13837

Well: MIMOSA STATE #004

API:

Created By	Comment	Comment Date
JWSHERRELL	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	3/15/2006

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-34691
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator Mack Energy Corporation		6. State Oil & Gas Lease No. OG-181
3. Address of Operator P. O. Box 960 Artesia, NM 88211-0960		7. Lease Name or Unit Agreement Name Mimosa State
4. Well Location Unit Letter <u>K</u> <u>1403</u> feet from the <u>South</u> line and <u>1103</u> feet from the <u>West</u> line Section <u>30</u> Township <u>17S</u> Range <u>29E</u> NMPM County <u>Eddy</u>		8. Well Number <u>4</u>
I 1. Elevation (Show whether DR, RKB, RT, GR, etc.) 3655' GR		9. OGRID Number 013837
Pit or Below-grade Tank Application ☐ or Closure ☐		10. Pool name or Wildcat Empire; Yeso
Pit type _____ Depth Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Move Location ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Mack Energy Corporation is proposing to change the footages for the Mimosa State #4 from 1650 FSL & 1263 FWL to 1403 FSL & 1103 FWL. These changes were made do to a buried gas line.

Note: this well will be directionally drilled to an orthodox location of 1650 FSL & 1262 FWL, Sec. 30 T17S R29E.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Jerry W. Sherrill TITLE Production Clerk DATE 3/28/2006

Type or print name Jerry W. Sherrill Email jerry@mackenergycorp.com Telephone No. (505)748-1288

For State Use Only District II Supervisor

APPROVED BY: _____ TITLE _____ DATE MAR 29 2006

Conditions of Approval (if any):

DISTRICT I

1625 N. FRENCH DR., ROSBOS, NM 88240

DISTRICT II

1301 V. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Asteo, NM 87410

DISTRICT IV

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

State of New Mexico

Energy, Minerals and Natural Resources Department

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 30-015-34691	Pool Code 96210	Pool Name Empire;Yeso
Property Code 24229	Property Name MIMOSA STATE	Well Number 4
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 3655'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	30	17-S	29-E		1403	SOUTH	1103	WEST	EDDY

Bottom Hole Location if Different From Surface

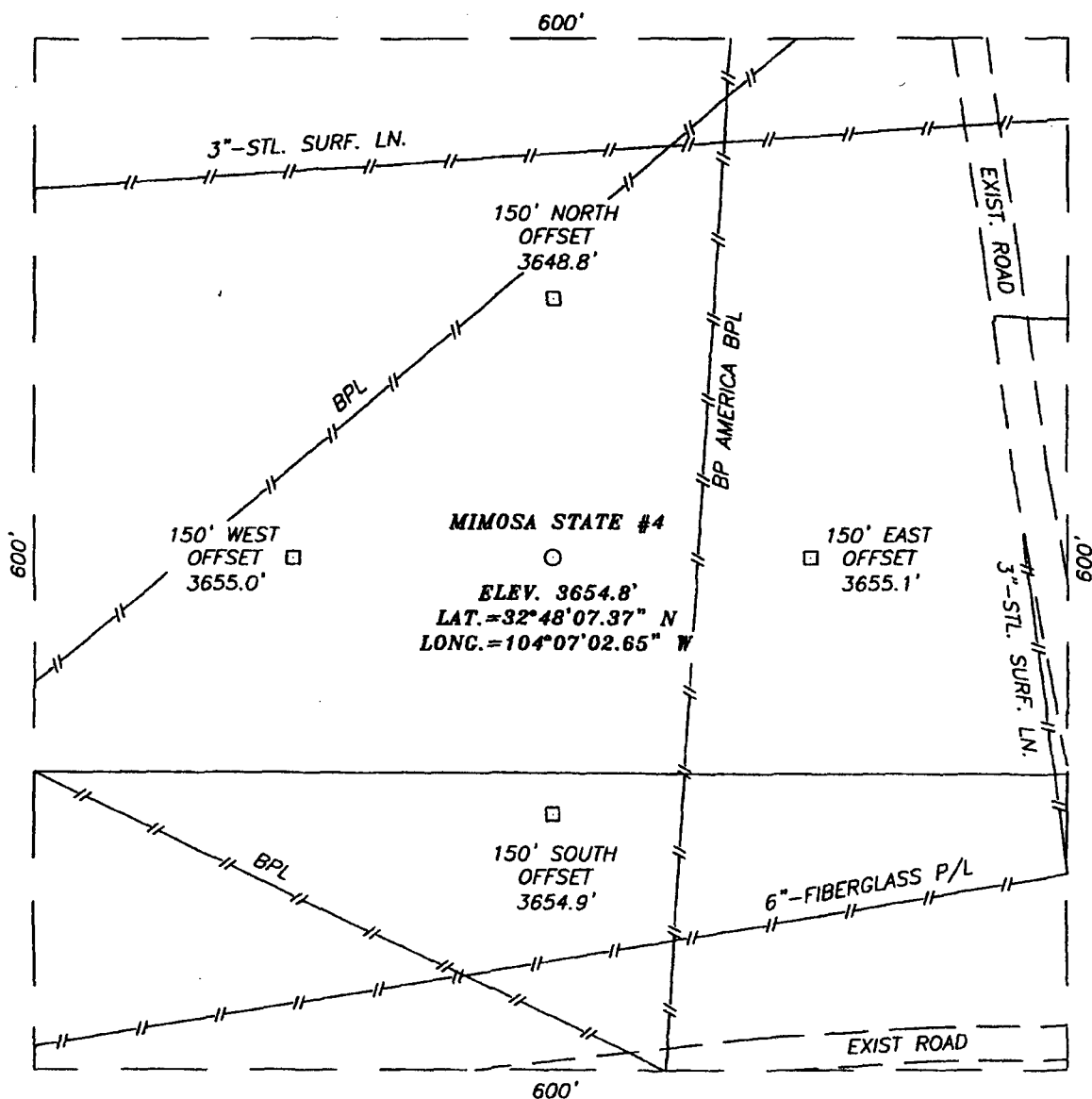
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	30	17-S	29-E		1650	SOUTH	1262	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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

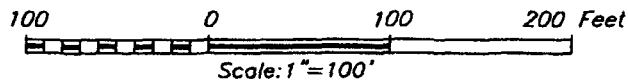
RECEIVED MAR 29 2006 JUD-ARTESIA	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location 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>Jerry W. Sherrell</i> 3/27/06 Signature Date Jerry W. Sherrell 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. MARCH 16, 2006 Date Surveyed JR Signature GARY HEDGON Professional Surveyor NEW MEXICO GARY HEDGON 3/27/06 06.11.049 Certificate No. GARY HEDGON 12641
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SECTION 30, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #211 (OLD LOCO RD.), GO WEST ON U.S. HWY. #82 FOR APPROX. 1.3 MILES. TURN LEFT AND GO SOUTH APPROX. 0.41 MILES. TURN LEFT AND GO EAST APPROX. 0.1 MILES. THIS LOCATION IS APPROX. 300 FEET NORTH.



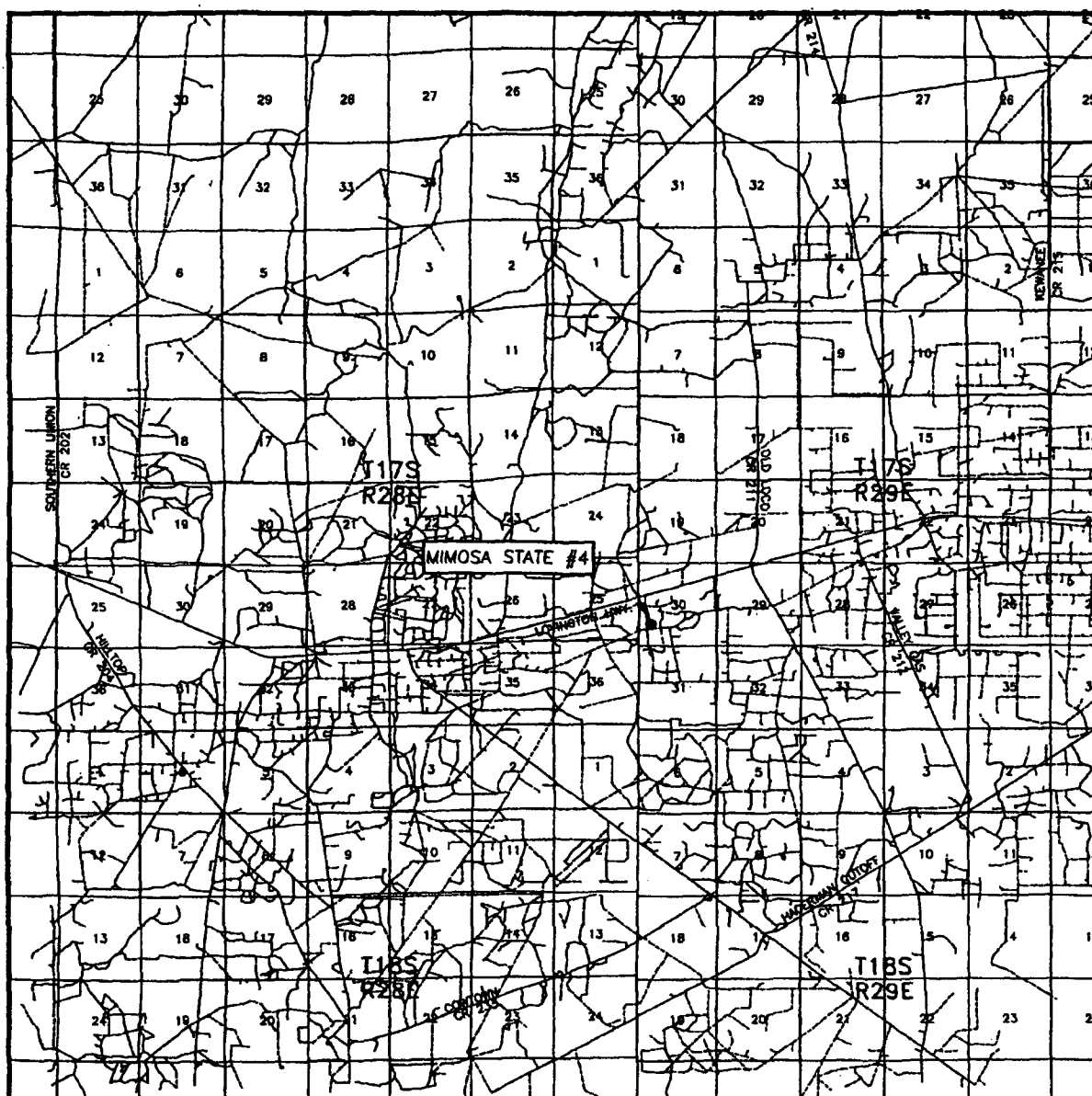
PROVIDING SURVEYING SERVICES
 SINCE 1948
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (505) 393-3117

MACK ENERGY CORPORATION

MIMOSA STATE #4
 LOCATED 1403 FEET FROM THE SOUTH LINE
 AND 1103 FEET FROM THE WEST LINE OF SECTION 30,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 3/16/06	Sheet 1 of 1 Sheets
W.O. Number: 06.11.0492	Dr By: J.R.
Date: 3/21/06	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 30 TWP. 17-S RGE. 29-E

SURVEY N.M.P.M.

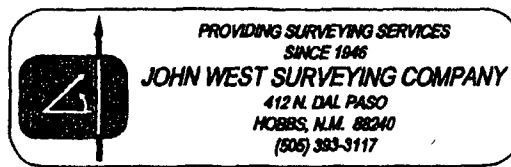
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1403' FSL & 1103' FWL

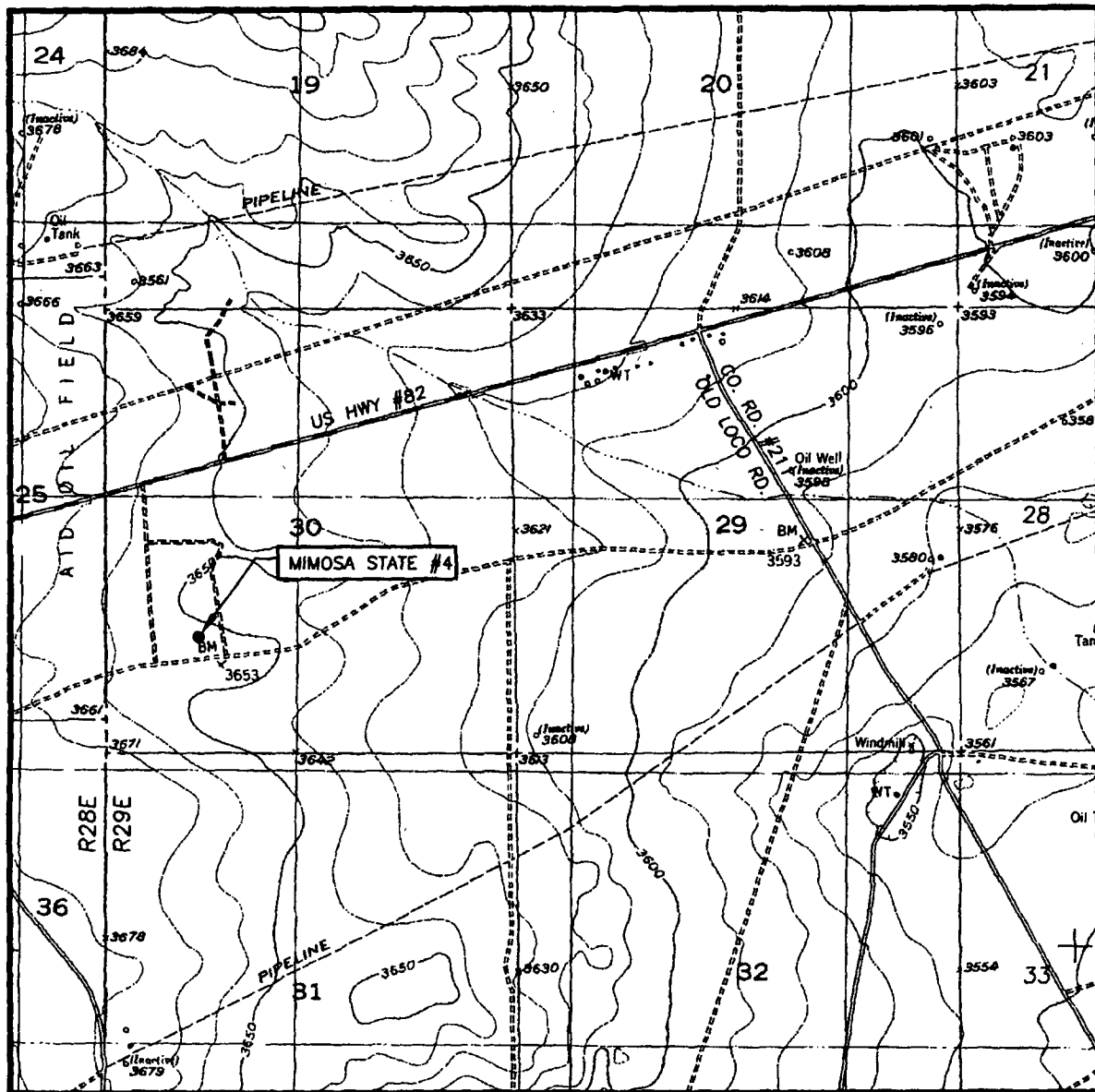
ELEVATION 3655'

OPERATOR MACK ENERGY CORPORATION

LEASE MIMOSA STATE



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
RED LAKE SE, N.M. - 10'

SEC. 30 TWP. 17-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 1403' FSL & 1103' FWL

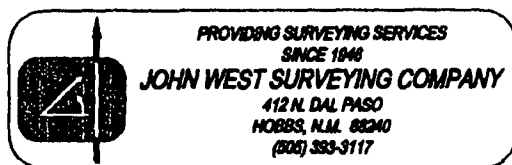
ELEVATION 3655'

OPERATOR MACK ENERGY CORPORATION

LEASE MIMOSA STATE

U.S.G.S. TOPOGRAPHIC MAP

RED LAKE SE, N.M.



Submit 3 Copies to Appropriate District
Office
District I

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-34691
Indicate Type of Lease STATE ☒ FEE ☐
State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name MIMOSA STATE
8. Well Number 004
9. OGRID Number 299137
10. Pool name or Wildcat Empire; Yesso

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator COG Operating LLC	
3. Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701	
Well Location Unit Letter K : 1403 feet from the South line and 1103 feet from the West line Section 30 Township 17S Range 29E NMPM County Eddy	

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3647' GR	
Pit or Below-grade Tank Application ☐ or Closure ☐	
Pit type _____	Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mll	Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: Request APD 1 year extension ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests permission
for a one year extension to this APD
scheduled to expire 3-15-07.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Phyllis A. Edwards TITLE Regulatory Analyst DATE 2/15/07

Type or print name Phyllis A. Edwards E-mail address: pedwards@conchoresources.com Telephone No. 432-685-4340
For State Use Only **BRYAN G.ARRANT**
DISTRICT II GEOLOGIST

APPROVED BY: _____ TITLE _____ DATE FEB 19 2007
Conditions of Approval (if any): _____

1625 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico

Energy; Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Free 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number		Pool Code	Pool Name
30-015-34691		96210	EMPIRE; YESO
Property Code	Property Name		Well Number
24229	MIMOSA STATE		4
OGRID No.	Operator Name		Elevation
229137	COG OPERATING, LLC		3655'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	30	17-S	29-E		1403	SOUTH	1103	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	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 1

27.71 AC

LOT 2

27.94 AC

LOT 3

28.17 AC

LOT 4

28.40 AC

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=655564.0 N
X=566348.5 E

LAT.=32°48'07.37" N
LONG.=104°07'02.65" W

1103'

170'

1403'

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.

Phyllis A. Edwards 10-23-07
Signature Date

Phyllis A. Edwards
Printed Name

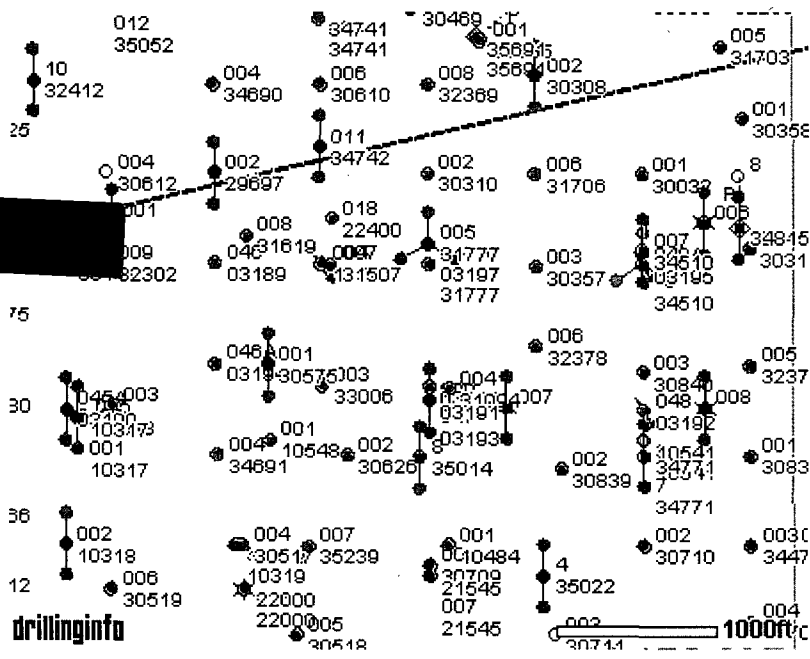
Regulatory Analyst

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.

MARCH 16 2006
DATE SURVEYED
NEW MEXICO
SIGNATURE & SEAL OF
PROFESSIONAL SURVEYOR
3239
Ronald E. Idson
7-1-3-1-4-100
10/19/07

Certificate No. GARY EIDSON 12641
RONALD EIDSON 3239



Untitled Search

API#	Operator	Lease	Well#	County	Legal	Field Name	Reservoir Name	Total Depth	Well Status
30-015-03188	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	045	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Active
30-015-03189	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	046	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Temporarily Abandoned
30-015-03190	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	045A	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Temporarily Abandoned
30-015-03191	HANSON ENERGY	LEONARD FEDERAL	009	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
30-015-03192	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	048	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Temporarily Abandoned
30-015-03193	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	047	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Active
30-015-03194	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	046A	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Pumping
30-015-03195	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	048A	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Injection Well
30-015-03197	BP AMERICA PRODUCTION COMPANY	EMPIRE ABO UNIT	047A	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Pumping
30-015-10317	MACK ENERGY CORP	CONTINENTAL E STATE	001	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
30-015-10318	MACK ENERGY CORP	CONTINENTAL B STATE	002	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
30-015-10319	COG OPERATING LLC	CONTINENTAL B STATE	003	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
30-015-10484	HANSON ENERGY	ATSEL FEDERAL	001	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
	MACK ENERGY	ATSEL			S:30,				

30-015-10541	CORP	FEDERAL	002	EDDY	T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
30-015-10542	MACK ENERGY CORP	CONTINENTAL E STATE	004	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Injection Well
30-015-10548	MACK ENERGY CORP	JOHNSON STATE	001	EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0	Pumping
30-015-22000	HARVEY E. YATES COMPANY	EMPIRE SOUTH DEEP UNIT	013	EDDY	S:30, T:17S, R:29E	EMPIRE	MORROW, SOUTH (GAS)	0	Flowing
30-015-25365	MACK ENERGY CORP	EAGLE FEDERAL	001	EDDY	S:30, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	0	Active
30-015-29696	COG OPERATING LLC	CONTINENTAL A STATE	001	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,260	Pumping
30-015-29697	COG OPERATING LLC	CONTINENTAL A STATE	002	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,287	Pumping
30-015-30032	COG OPERATING LLC	WESTERN FEDERAL	001	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,671	Pumping
30-015-30308	COG OPERATING LLC	GOLD STAR FEDERAL	002	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,375	Pumping
30-015-30309	COG OPERATING LLC	GOLD STAR FEDERAL	004	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,309	Pumping
30-015-30310	COG OPERATING LLC	WESTERN FEDERAL	002	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,170	Pumping
30-015-30311	COG OPERATING LLC	WESTERN FEDERAL	004	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,988	Pumping
30-015-30357	COG OPERATING LLC	WESTERN FEDERAL	003	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,200	Pumping
30-015-30358	COG OPERATING LLC	GOLD STAR FEDERAL	001	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,126	Pumping
30-015-30469	COG OPERATING LLC	GOLD STAR FEDERAL	003	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,255	Pumping
					S:30,				

30-015-30517	COG OPERATING LLC	CONTINENTAL B STATE	004	EDDY	T:17S, R:29E	EMPIRE	YESO	4,515	Pumping
30-015-30518	COG OPERATING LLC	CONTINENTAL B STATE	005	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,345	Active
30-015-30519	COG OPERATING LLC	CONTINENTAL B STATE	006	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,620	Pumping
30-015-30575	COG OPERATING LLC	MIMOSA STATE	001	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,333	Pumping
30-015-30610	COG OPERATING LLC	CONTINENTAL A STATE	006	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,220	Pumping
30-015-30613	COG OPERATING LLC	CONTINENTAL A STATE	005	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,422	Pumping
30-015-30626	COG OPERATING LLC	MIMOSA STATE	002	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,292	Pumping
30-015-30709	COG OPERATING LLC	CHEYENNE FEDERAL	001	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,400	Pumping
30-015-30710	COG OPERATING LLC	CHEYENNE FEDERAL	002	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,300	Pumping
30-015-30838	COG OPERATING LLC	NAVAHO FEDERAL	001	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	5,663	Pumping
30-015-30839	COG OPERATING LLC	NAVAHO FEDERAL	002	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,515	Pumping
30-015-30840	COG OPERATING LLC	NAVAHO FEDERAL	003	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,442	Pumping
30-015-31094	COG OPERATING LLC	NAVAHO FEDERAL	004	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,549	Pumping
30-015-31507	COG OPERATING LLC	CONTINENTAL A STATE	007	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,335	Pumping
30-015-31619	COG OPERATING LLC	CONTINENTAL A STATE	008	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,360	Pumping
					S:30,				

30-015-31703	COG OPERATING LLC	GOLD STAR FEDERAL	005	EDDY	T:17S, R:29E	EMPIRE	YESO	4,426	Pumping
30-015-31706	COG OPERATING LLC	WESTERN FEDERAL	006	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,310	Pumping
30-015-31777	COG OPERATING LLC	WESTERN FEDERAL	005	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,366	Pumping
30-015-32285	COG OPERATING LLC	GOLD STAR FEDERAL	006	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,275	Pumping
30-015-32302	COG OPERATING LLC	CONTINENTAL A STATE	009	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,376	Pumping
30-015-32369	COG OPERATING LLC	GOLD STAR FEDERAL	008	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,325	Active
30-015-32370	COG OPERATING LLC	NAVAHO FEDERAL	005	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,446	Active
30-015-32378	COG OPERATING LLC	NAVAHO FEDERAL	006	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,420	Active
30-015-32412	COG OPERATING LLC	CONTINENTAL A STATE	10	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,350	Active
30-015-33006	COG OPERATING LLC	MIMOSA STATE	003	EDDY	S:30, T:17S, R:29E	EMPIRE	YESO	4,405	Active
30-015-03195	ARCO PERMIAN	EMPIRE ABO UNIT	048A	EDDY	S:30, T:17S, R:29E	SWD	ABO	0	Injection Well
30-015-00000		EMPIRE ABO UNIT B	001	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO		Active
30-015-22400		SOUTH EMPIRE DEEP UNIT	018	EDDY	S:30, T:17S, R:29E	EMPIRE	MORROW, SOUTH (GAS)		Active
30-015-03195		EMPIRE ABO UNIT B	048A	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Injection Well
30-015-03190		EMPIRE ABO UNIT C	045A	EDDY	S:30, T:17S, R:29E	EMPIRE	ABO	0	Temporarily Abandoned
					S:30,				

30-015-10317	CONTINENTAL E STATE	001 EDDY	T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0 Pumping
30-015-10318	CONTINENTAL B STATE	002 EDDY	S:30, T:17S, R:29E	ARTESIA	QUEEN-GRAYBURG-SAN ANDRES	0 Pumping
30-015-21545	EMPIRE S DEEP UNIT	007 EDDY	S:30, T:17S, R:29E	EMPIRE	WOLFCAMP, SOUTH	Active
30-015-00000	CONTINENTAL OIL CO	001 EDDY	S:30, T:17S, R:29E	EMPIRE ABO		Active
30-015-31777	GENERAL AMERICAN OIL CO OF TEXAS	005 EDDY	S:30, T:17S, R:29E	EMPIRE ABO CTD		4,366 Pumping
30-015-30575	HUMBLE OIL AND REFINING CO	001 EDDY	S:30, T:17S, R:29E	EMPIRE ABO CTD		5,333 Pumping
30-015-03191	WESTERN DEVELOPMENT CO OF DELAWARE	009 EDDY	S:30, T:17S, R:29E	GRAYBURG JACKSON	SR-Q-G-SA	0 Pumping
30-015-00000	CONTINENTAL OIL CO	003 EDDY	S:30, T:17S, R:29E	EMPIRE	ATOKA (GAS)	Active
30-015-00000	GENERAL AMERICAN OIL CO OF TEXAS	006 EDDY	S:30, T:17S, R:29E	EMPIRE	ATOKA (GAS)	Active
30-015-00000	INTERNATIONAL OIL AND GAS CORP	007 EDDY	S:30, T:17S, R:29E	EMPIRE	ATOKA (GAS)	Active
30-015-00000	INTERNATIONAL OIL AND GAS CORP	008 EDDY	S:30, T:17S, R:29E	EMPIRE	ATOKA (GAS)	Active
30-015-31777	GENERAL AMERICAN OIL CO OF TEXAS	005 EDDY	S:30, T:17S, R:29E	EDDY		4,366 Pumping
30-015-00000	GENERAL AMERICAN OIL CO OF TEXAS	006 EDDY	S:30, T:17S, R:29E	EDDY		Active
30-015-00000	WESTERN DEVELOPMENT CO. OF DELAWARE	007 EDDY	S:30, T:17S, R:29E	EDDY UNDESIGNATED	GROUP 2	Active
30-015-00000	WESTERN DEVELOPMENT CO. OF	008 EDDY	S:30, T:17S,	EDDY UNDESIGNATED	GROUP 2	Active

30-015-29697	DELAWARE CONTINENTAL OIL CO HOBBS DIST	STATE S	002 EDDY	R:29E S:30, T:17S, R:29E	EMPIRE ABO CTD	4,287 Pumping
30-015-34472	COG OPERATING LLC	CHEYENNE FEDERAL	003Q EDDY	S:30, T:17S, R:29E	EMPIRE YESO	5,000 Active Permit
30-015-34510	COG OPERATING LLC	WESTERN FEDERAL	007 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	5,000 Active Permit
30-015-34510	MACK ENERGY CORP	WESTERN FEDERAL	007 EDDY	S:30, T:17S, R:29E	GRAYBURG JACKSON SR-Q-G-SA	5,000 Active Permit
30-015-34690	COG OPERATING LLC	CONTINENTAL A STATE	004 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	6,000 Active
30-015-34691	MACK ENERGY CORP	MIMOSA STATE	004 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	6,000 Active
30-015-34741	COG OPERATING LLC	CONTINENTAL A STATE	003 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	5,425 Active Permit
30-015-34742	COG OPERATING LLC	CONTINENTAL A STATE	011 EDDY	S:30, T:17S, R:29E	EMPIRE; YESO 96210	5,757 Active Permit
30-015-34815	COG OPERATING LLC	WESTERN FEDERAL	8 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	6,100 Active Permit
30-015-34771	COG OPERATING LLC	NAVAHO FEDERAL	7 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	5,415 Active Permit
30-015-35022	COG OPERATING LLC	CHEYENNE FEDERAL	4 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	5,800 Active Permit
30-015-35014	COG OPERATING LLC	NAVAHO FEDERAL	8 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	6,060 Active Permit
30-015-35052	COG OPERATING LLC	CONTINENTAL A STATE	012 EDDY	S:30, T:17S, R:29E	EMPIRE; YESO 96210	5,460 Active Permit
30-015-30308	CONTINENTAL OIL COMPANY	STATE S 30	002 EDDY	S:30, T:17S, R:29E		4,375 Pumping
30-015-35239	COG OPERATING CONTINENTAL		007 EDDY	S:30, T:17S,	EMPIRE YESO	5,500 Active Permit

LLC	B STATE		R:29E			
30-015-34742	COG OPERATING LLC	CONTINENTAL A STATE	011 EDDY	S:30, T:17S, R:29E	EMPIRE	YESO
30-015-34771	COG OPERATING LLC	NAVAHO FEDERAL	7 EDDY	S:30, T:17S, R:29E	EMPIRE	YESO
30-015-35014	COG OPERATING LLC	NAVAHO FEDERAL	8 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	
30-015-35052	COG OPERATING LLC	CONTINENTAL A STATE	012 EDDY	S:30, T:17S, R:29E	EMPIRE	YESO
30-015-34815	COG OPERATING LLC	WESTERN FEDERAL	8 EDDY	S:30, T:17S, R:29E	EMPIRE YESO 96210	
30-015-35691	COG OPERATING LLC	GOLD STAR FEDERAL	7 EDDY	S:30, T:17S, R:29E	EMPIRE	YESO
30-015-35022	COG OPERATING COMPANY LLC	CHEYENNE FEDERAL	4 EDDY	S:30, T:17S, R:29E	EMPIRE GLORIETA-YESO 96210	
30-015-32412	MACK ENERGY CORPORATION	CONTINENTAL A STATE	10 EDDY	S:30, T:17S, R:29E	EMPIRE YESO	
						5,757 Active Permit
						5,415 Active Permit
						6,060 Active Permit
						5,460 Active Permit
						6,100 Active Permit
						6,000 Active Permit
						5,800 Active Permit
						4,350 Active

