

DATE IN <u>6.9.11</u>	SUSPENSE	ENGINEER <u>DKB</u>	LOGGED IN <u>6.9.11</u>	TYPE <u>NSL</u>	APP NO <u>1116057315</u>
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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 operating
Dodd Fed #627
6405

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 _____

RECEIVED OCO
 2011 JUN -9 A 10:57

[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]
 Signature

Permitting Tech
 Title

6-8-11
 Date

(432) 685-4384
 Phone Number

kholly@conchoresources.com
 E-mail Address

**Dodd Federal Unit #627
Eddy County, NM**

COG is requesting to drill a vertical SE/4 NE/4, 40 acre spacing
Grayburg Jackson; SR-Q-G-SA oil well
TD of approximately 5500'

Non-standard Location:
2577' FNL & 1224' FEL Sec 14, T17S, R29E, Unit H

**This well had to be staked at a non-standard location due to an existing
well 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 G J West Coop Unit #149 which was drilled and is located 2310' FSL 2310'
FWL, Section 21, T17S, R29E, Unit K.

The G J West Coop Unit #149 completion divided the Yeso up into 3
perf/stimulation intervals:.

1st interval: 5153' – 5381',
acidized w/ 2500 gals,
frac'd w/ 6014 gals 40# gel, 30,777 gals 30# gel, 56,847 gals 40# gel, 8000#
LiteProp, 74,940# 16/30 White Sand, 15,920# SiberProp 16/30 sand.

2nd interval: 4914' – 5050',
acidized w/ 1975 gals,
frac'd w/ 6002 gals 40# gel, 30,757 gals 30# gel, 47,321 gals 40# gel, 8000#
LiteProp, 74,800# 16/30 sand & 15,700# SiberProp 16/30 sand.

3rd interval: 4613' – 4814',
acidized w/ 1850 gals,
frac'd w/ 93,882 gals gel, 8019# LiteProp, 74,900# 16/30 White Sand, 16,220#
SiberProp.

**Attachment 1
Plat & Map**

**Attachment 2
Map & legend of offset wells.**

Attachment 3
Updated land plat showing that COG owns the offset acreage.
The acreage we are encroaching on is the SW/4 NE/4, NW/4 SE/4 and NE/4
SE/4 of Section 14.

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 28509	Pool Name Grayburg Jackson; ST-Q-G-SA
Property Code 308195	Property Name DODD FEDERAL UNIT	Well Number 627
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3622'

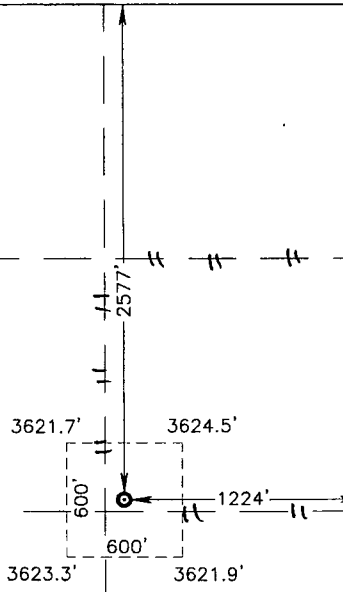
Surface Location

UL or lot No. H	Section 14	Township 17-S	Range 29-E	Lot Idn	Feet from the 2577	North/South line NORTH	Feet from the 1224	East/West line EAST	County EDDY
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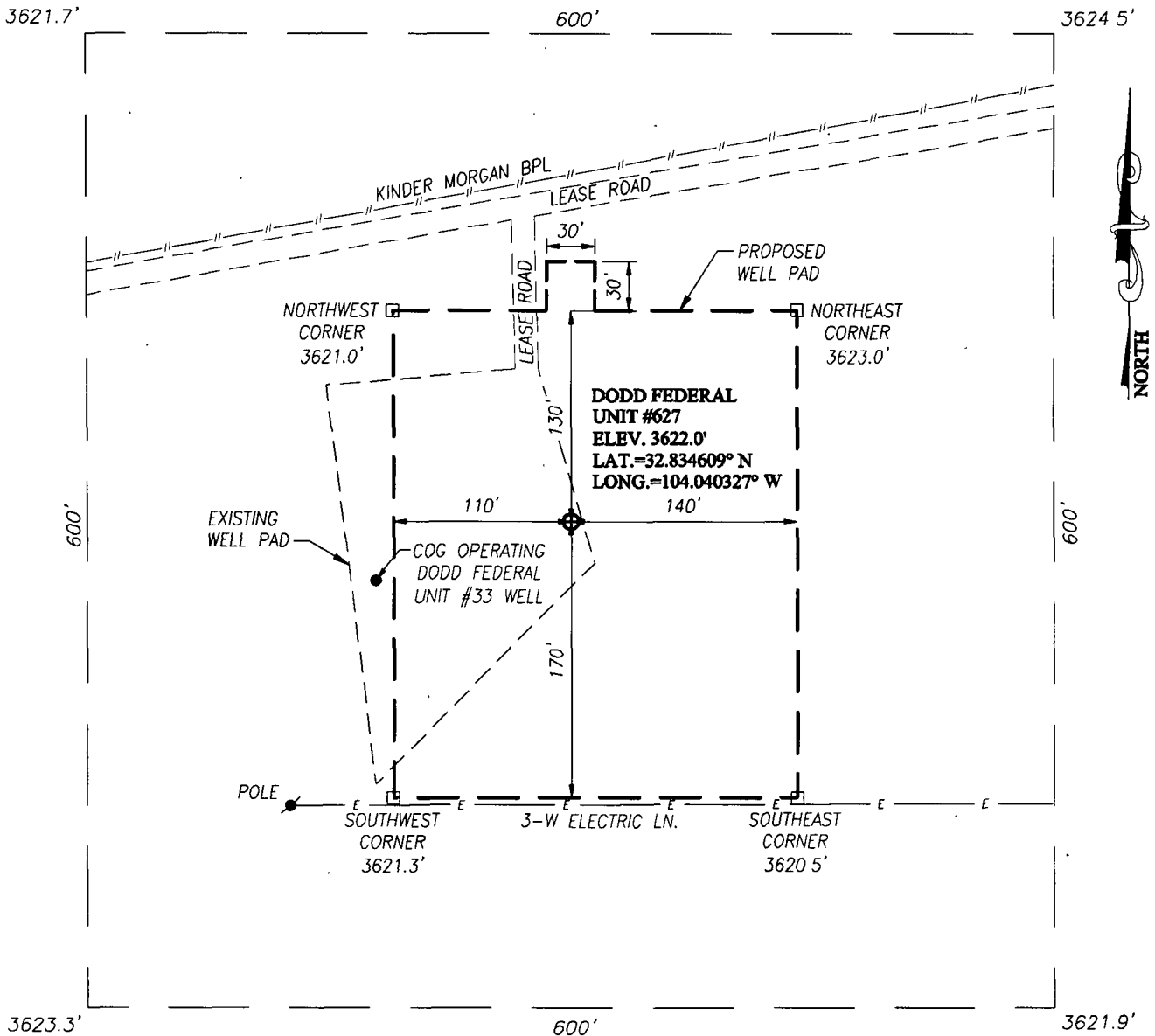
Bottom Hole Location If Different From Surface

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

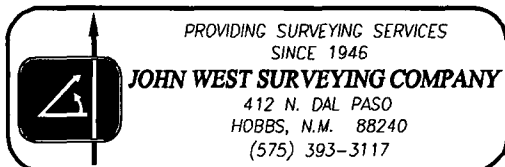
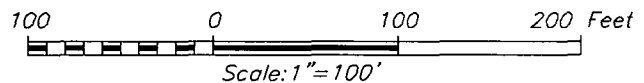
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=667466.8 N X=589998.2 E LAT.=32.834609° N LONG.=104.040327° W		OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest 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>Kelly J. Holly</i> 6-8-11 Signature Date Kelly J. Holly Printed Name kholly@conchoresources.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. MAY 27, 2011 Date of Survey Signature of Registered Professional Surveyor: <i>Ronald J. Eidson</i> 3239 Certificate Number 12641 DSS JWSC W.O.: 11.11.1135
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SECTION 14, 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. #215 (KEWANEE), GO NORTH ON CO. RD. #215 APPROX. 1.0 MILE. TURN LEFT AND GO SOUTHWEST APPROX. 0.3 MILES. TURN LEFT AND GO SOUTH APPROX. 100 FEET TO THE EXISTING COG OPERATING DODD FEDERAL UNIT #33 WELL. THIS LOCATION STAKE IS APPROX. 126 FEET NORTHEAST OF THE EXISTING WELL HEAD.



COG OPERATING, LLC

DODD FEDERAL UNIT #627 WELL
 LOCATED 2577 FEET FROM THE NORTH LINE
 AND 1224 FEET FROM THE EAST LINE OF SECTION 14,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

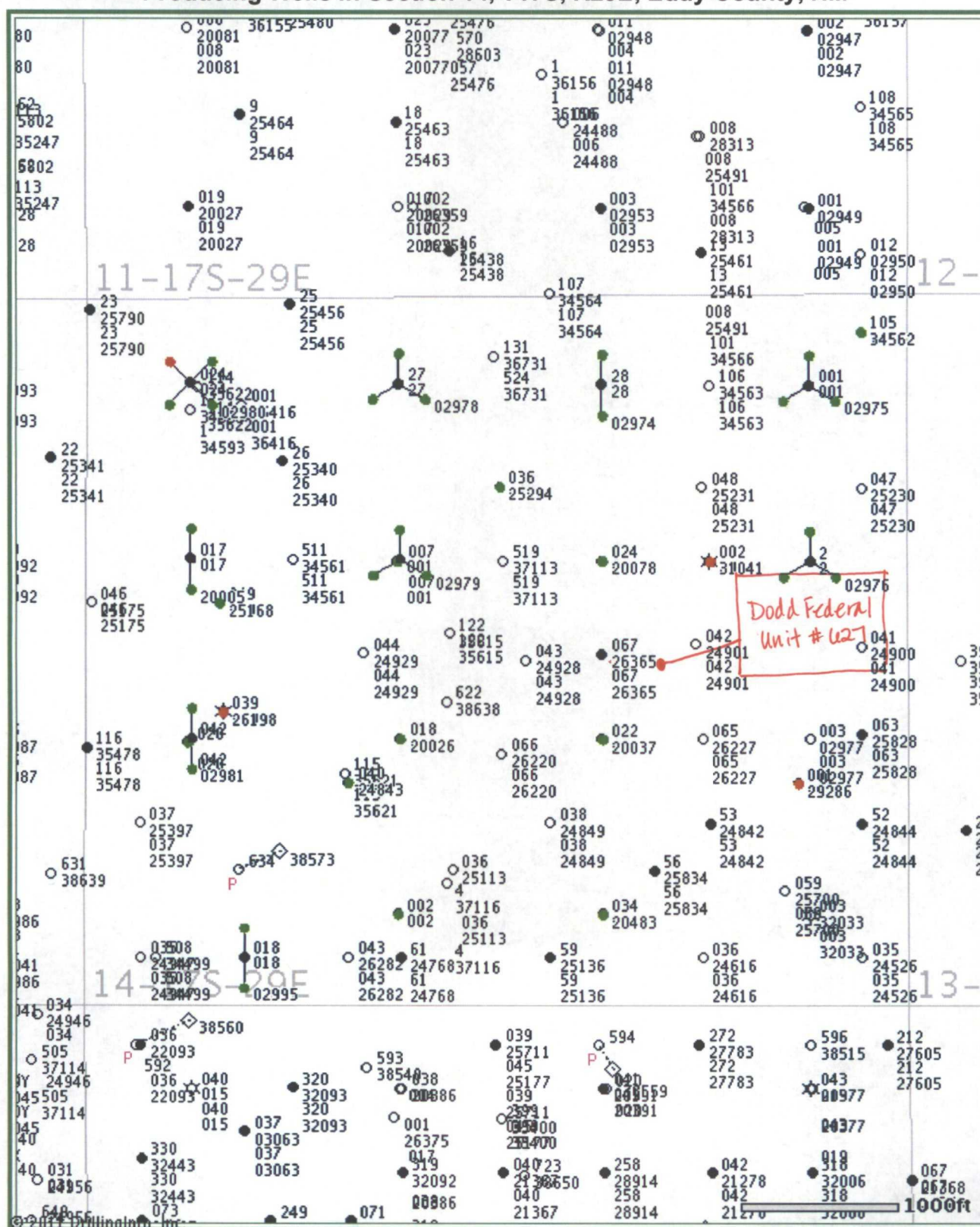
Survey Date: 5/27/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.1135	Dr By: DSS
Date: 6/3/11	Rel. W.O.: 11111135
	Scale: 1"=100'

Producing Wells in Section 14, T17S, R29E, Eddy County, NM

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-02975	MARBOB ENERGY CORP	M DODD B	001	EDDY	S:14, T:17S, R:29E	3,765	O	Pumping	Jan 1967	Sep 1975	0.00
30-015-02980	MARBOB ENERGY CORP	M DODD B	024	EDDY	S:14, T:17S, R:29E	3,580	PI	Injection Well	Jan 1967	Jun 1967	0.00
30-015-26198	MARBOB ENERGY CORP	M DODD A	039	EDDY	S:14, T:17S, R:29E	11,025	G	Pumping	Mar 1990	Aug 1996	0.00
30-015-02979		M DODD B	007	EDDY	S:14, T:17S, R:29E		O	Active	Jan 1956	Jun 1967	0.00
30-015-29286	MARBOB ENERGY CORP	M DODD B DEEP FEDERAL	001	EDDY	S:14, T:17S, R:29E	10,995	O	Pumping	Nov 1997	Nov 1998	0.03
30-015-02978	MARBOB ENERGY CORP	M DODD B	27	EDDY	S:14, T:17S, R:29E	4,441	O	Pumping	Jan 1967	Dec 1977	0.13
30-015-20483	MARBOB ENERGY CORP	M DODD B	034	EDDY	S:14, T:17S, R:29E	0	O	Pumping	Jan 1972	Dec 1977	0.13
30-015-02995	MARBOB ENERGY CORP	M DODD A	018	EDDY	S:14, T:17S, R:29E	0	O	Pumping	Jan 1959	Dec 1977	0.29
30-015-02976	MARBOB ENERGY CORP	M DODD B	2	EDDY	S:14, T:17S, R:29E	4,522	O	Pumping	Jan 1967	Aug 1967	0.52
30-015-02975	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	001	EDDY	S:14, T:17S, R:29E	3,765	O	Pumping	Jan 1958	Dec 1966	0.87
30-015-02976	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	2	EDDY	S:14, T:17S, R:29E	4,522	O	Pumping	Jan 1958	Dec 1966	0.87
30-015-02974	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	28	EDDY	S:14, T:17S, R:29E	4,506	O	Pumping	Jan 1958	Dec 1966	0.87
30-015-02978	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	27	EDDY	S:14, T:17S, R:29E	4,441	O	Pumping	Jan 1958	Dec 1966	0.87
30-015-02979	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	007	EDDY	S:14, T:17S, R:29E		O	Active	Jan 1958	Dec 1966	0.87
30-015-02980	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	024	EDDY	S:14, T:17S, R:29E	3,580	PI	Injection Well	Jan 1958	Dec 1966	0.87
					S:14,						

30-015-20005	MARBOB ENERGY CORP	M DODD B	017	EDDY	T:17S, R:29E	0	O	Temporarily Abandoned	Feb 1967	Dec 1977	1.10
30-015-31041	MARBOB ENERGY CORP	M DODD B DEEP FEDERAL	002	EDDY	S:14, T:17S, R:29E	11,185	G	Active	Jan 1958	Oct 2003	1.23
30-015-00000	SUNRAY DX OIL CO.	M DODD A FEDERAL	020	EDDY	S:14, T:17S, R:29E		AP	Unknown	Jan 1965	Dec 1965	2.10
30-015-20078	MARBOB ENERGY CORP	M DODD B	024	EDDY	S:14, T:17S, R:29E	11,900	O	Pumping	Sep 1967	Dec 1977	2.19
30-015-20005	MARBOB ENERGY CORP	M DODD B	017	EDDY	S:14, T:17S, R:29E	0	O	Temporarily Abandoned	Jan 1969	Mar 1990	2.61
30-015-00000	SUNRAY OIL CORPORATION	DODD B	002	EDDY	S:14, T:17S, R:29E		O	Active	Jan 1953	Dec 1954	2.77
30-015-25168	MARBOB ENERGY CORP	M DODD B	049	EDDY	S:14, T:17S, R:29E	3,522	O	Pumping	Jan 1993	May 2001	2.97
30-015-00000	BREEDING, D. ET AL	ROOT	001	EDDY	S:14, T:17S, R:29E		O	Active	Mar 1947	Dec 1952	3.00
30-015-02974	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	28	EDDY	S:14, T:17S, R:29E	4,506	O	Pumping	Jan 1947	Dec 1957	3.90
30-015-02978	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	27	EDDY	S:14, T:17S, R:29E	4,441	O	Pumping	Jan 1947	Dec 1957	3.90
30-015-02976	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	2	EDDY	S:14, T:17S, R:29E	4,522	O	Pumping	Jan 1947	Dec 1957	3.94
30-015-02975	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	001	EDDY	S:14, T:17S, R:29E	3,765	O	Pumping	Jan 1947	Dec 1957	4.00
30-015-02979	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	007	EDDY	S:14, T:17S, R:29E		O	Active	Nov 1948	Dec 1957	4.03
30-015-24843	MARBOB ENERGY CORP	M DODD B	040	EDDY	S:14, T:17S, R:29E	3,440	PO	Pumping	Jan 1972	Dec 1972	4.26
30-015-20026		M DODD B	018	EDDY	S:14, T:17S, R:29E		O	Active	Apr 1967	Dec 1972	4.26
30-015-02995	SUNRAY MID-CONTINENT OIL COMPANY	DODD A	018	EDDY	S:14, T:17S, R:29E	0	O	Pumping	Jan 1957	Dec 1957	4.81
30-015-02981	MARBOB ENERGY CORP	M DODD A	042	EDDY	S:14, T:17S, R:29E	0	PI	Injection Well	Jan 1959	Dec 1959	5.74
					S:14,						

30-015-25294	MARBOB ENERGY CORP	M DODD B	036	EDDY	T:17S, R:29E	4,533	PO	Pumping	Jan 1993	Mar 2008	5.97
30-015-02980	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	024	EDDY	S:14, T:17S, R:29E	3,580	PI	Injection Well	Jan 1957	Dec 1957	7.06
30-015-34562	MARBOB ENERGY CORP	DODD FEDERAL UNIT	105	EDDY	S:14, T:17S, R:29E	4,550	O	Active Permit	Oct 2006	Feb 2007	8.43
30-015-20037	MARBOB ENERGY CORP	M DODD B	022	EDDY	S:14, T:17S, R:29E	2,700	I	Pumping	May 1967	Jun 1967	9.07
30-015-02980	MARBOB ENERGY CORP	M DODD B	024	EDDY	S:14, T:17S, R:29E	3,580	PI	Injection Well	Jun 1956	Dec 1959	
30-015-02981	MARBOB ENERGY CORP	M DODD A	042	EDDY	S:14, T:17S, R:29E	0	PI	Injection Well	Jan 1957	Dec 1964	



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Dodd Federal Unit

Dodd Federal Unit
Eddy, Co., NM.
COG 100%

- NMLC-028731B
- NMLC-028731A
- NMLC-058362
- NMLC-125007