

DATE IN 8.30.11	SUSPENSE	ENGINEER DB	LOGGED 8.30.11	TYPE NSL	APP NO. 1124734462
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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



COC

Dodd Fed Unit #597

ADMINISTRATIVE APPLICATION CHECKLIST

30-015

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]

6477

[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

8-25-11
 Date

(432) 685-4384
 Phone Number

kholly@conchoresources.com
 E-mail Address

**Dodd Federal Unit #597
Eddy County, NM**

COG is requesting to drill a vertical NE/4 NE/4, 40 acre spacing
Grayburg Jackson; SR-Q-G-SA oil well
TD of approximately 4550'

Non-standard Location:
430' FNL & 1020' FEL Sec 15, T17S, R29E, Unit A

**This well had to be staked at a non-standard location due to a buried
pipeline.**

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 NW/4 NE/4 of Section 15.

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; SR-Q-G-SA
Property Code 308195	Property Name DODD FEDERAL UNIT	Well Number 597
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3617'

Surface Location

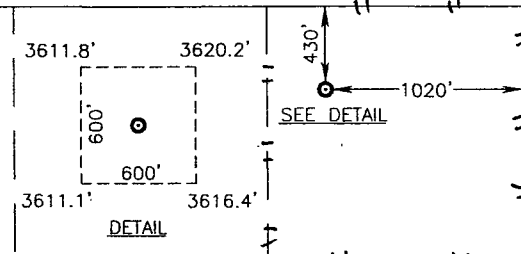
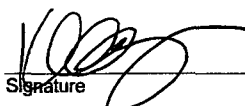
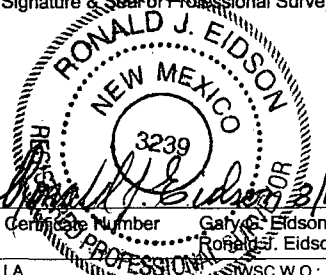
UL or lot No. A	Section 15	Township 17-S	Range 29-E	Lot Idn	Feet from the 430	North/South line NORTH	Feet from the 1020	East/West line EAST	County EDDY
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Bottom Hole Location If Different From Surface

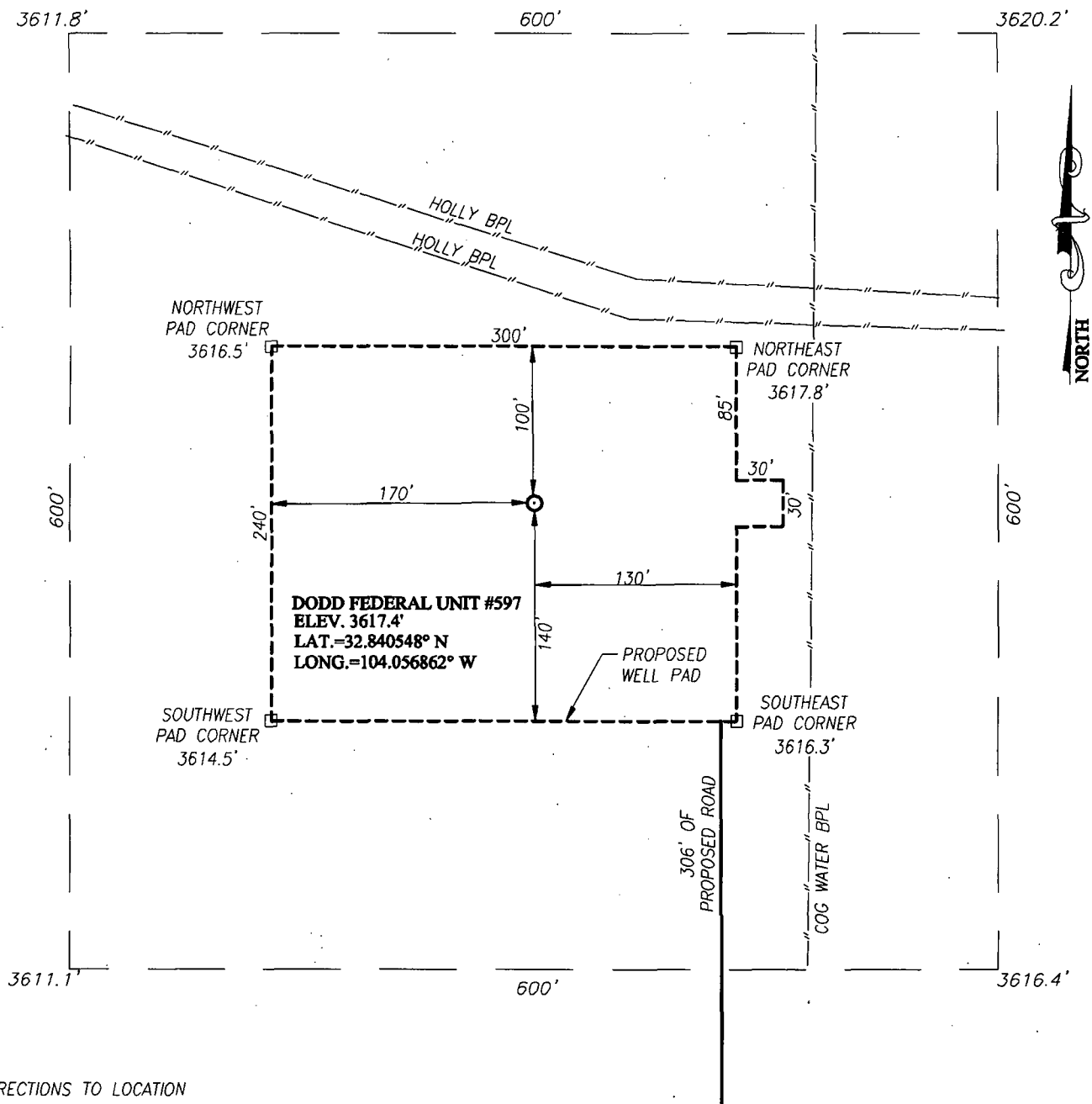
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

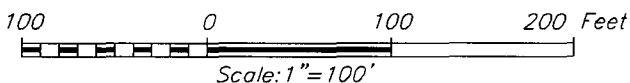
 DETAIL GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=669613.7 N X=584913.7 E LAT.=32.840548° N LONG.=104.056862° W 430' = 134,200 90,000 274,200 217,800	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this 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.  8-25-11 Signature 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. JULY 29, 2011 Date of Survey Signature & Seal of Professional Surveyor:  RONALD J. EIDSON NEW MEXICO 3239 3/11/2011 Certificate Number Gary C. Eidson 12641 Ronald J. Eidson 3239 LA WSC W.O.: 11.11.1021
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SECTION 15, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.
 EDDY COUNTY NEW MEXICO



DIRECTIONS TO LOCATION

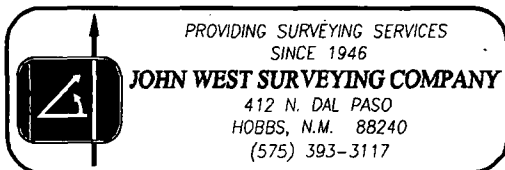
FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #214 (BARNAVAL DRAW), GO NORTHWEST ON CO. RD. #214 APPROX. 1.6 MILES. TURN RIGHT AND GO EAST APPROX. 0.8 MILES. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES. TURN RIGHT AND GO WEST APPROX. 300 FEET. TURN RIGHT AND GO NORTH APPROX. 0.2 MILES TO THE DODD FED. UNIT #119. FROM THE NORTHEAST CORNER OF THIS LOCATION. FOLLOW ROAD SURVEY STAKE 306 FEET NORTH TO THIS LOCATION.



COG OPERATING, LLC

DODD FEDERAL UNIT #597 WELL
 LOCATED 430 FEET FROM THE NORTH LINE
 AND 1020 FEET FROM THE EAST LINE OF SECTION 15,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

Survey Date: 7/29/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.1021	Dr By: LA Rev 1: N/A
Date: 8/9/11	Rel. W.O.: 11111021 Scale: 1"=100'

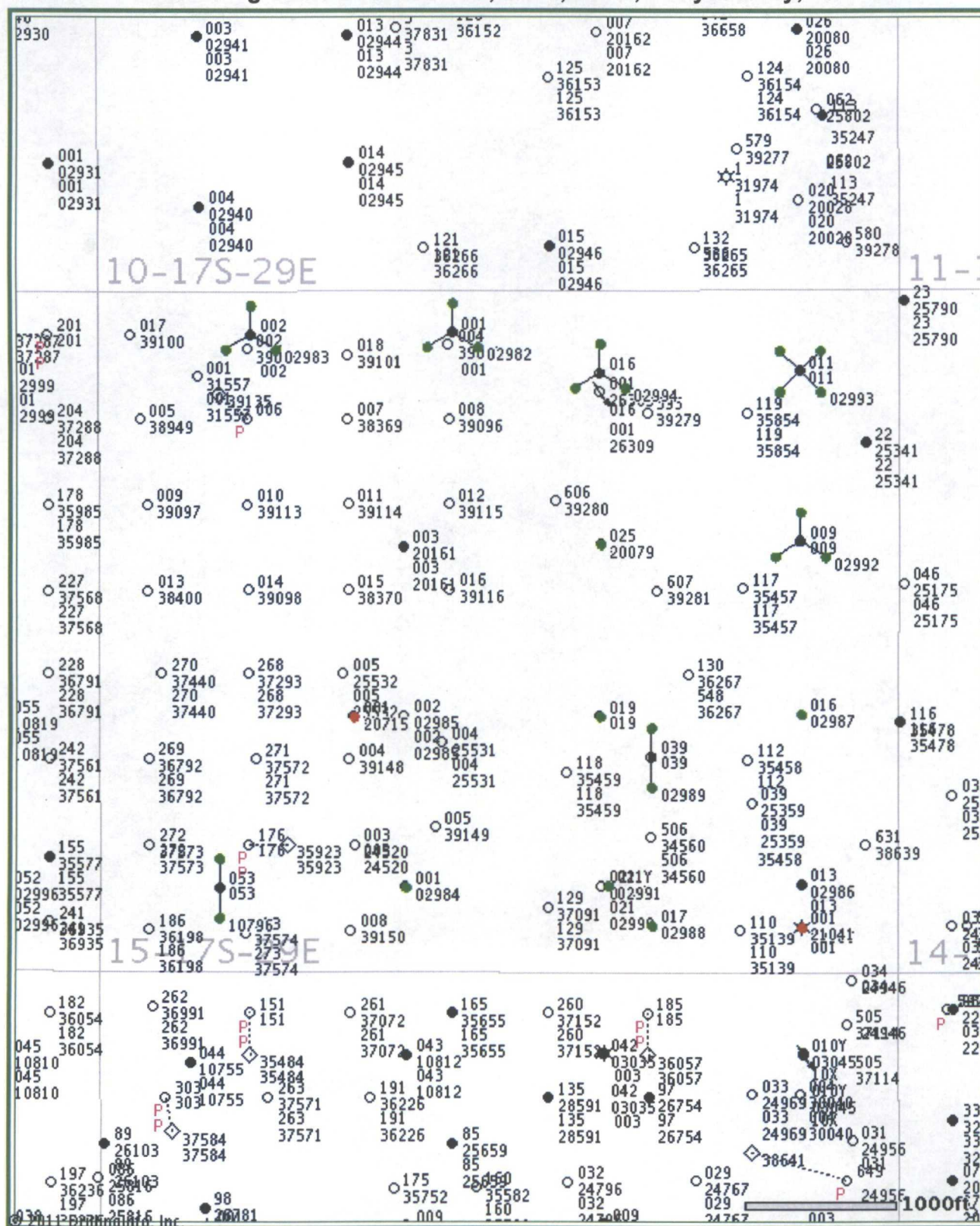


Producing Wells in Section 15, T17S, R29E, Eddy County, NM

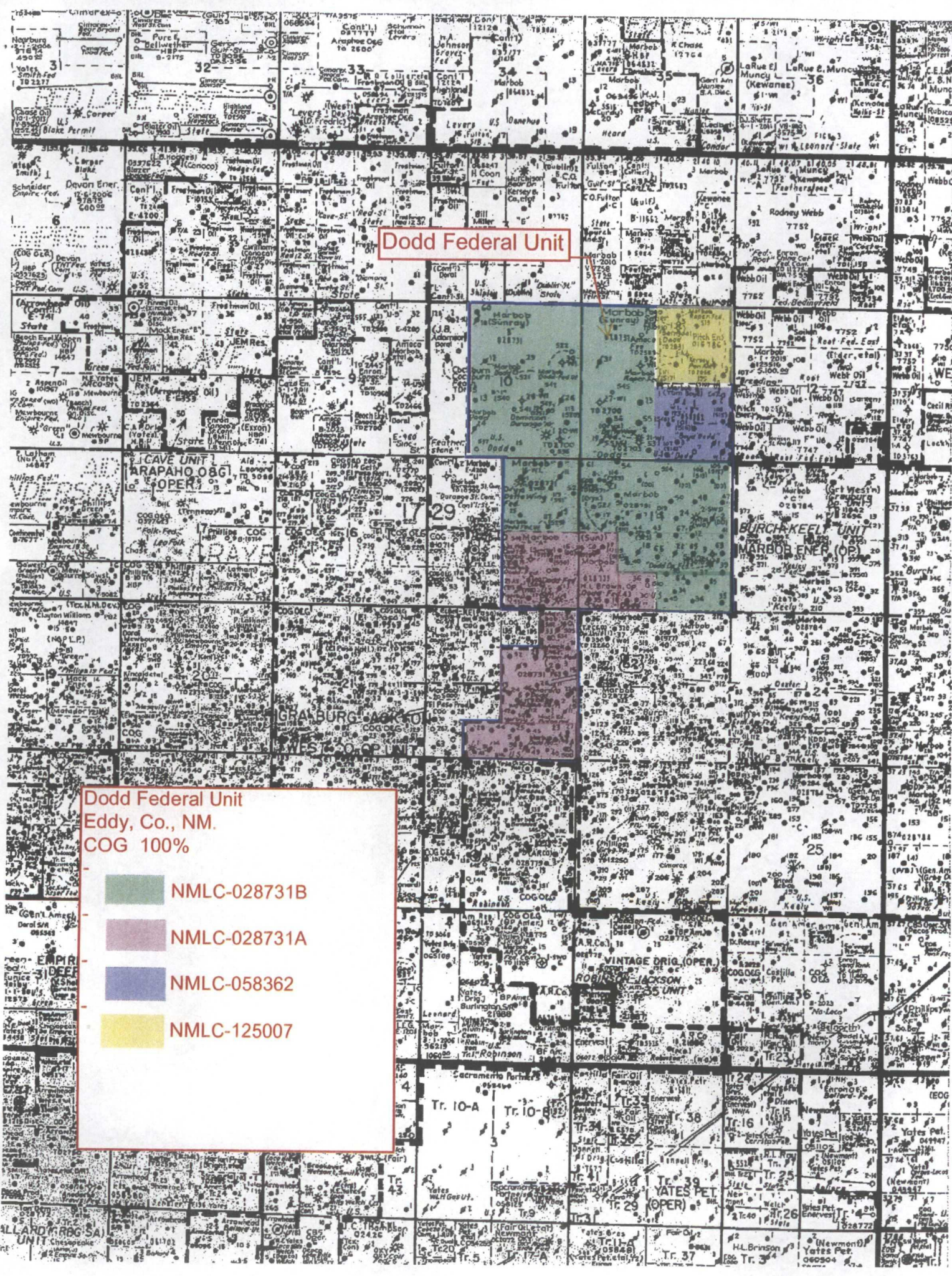
API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-21041	H L BROWN OPERATING, LLC	DODD FEDERAL	001	EDDY	S:15, T:17S, R:29E	0	G	Flowing	Jan 1977	Feb 2002	0.00
30-015-02992	SUNRAY MID CONTINENTAL OIL CO.	M DODD B FED	009	EDDY	S:15, T:17S, R:29E		O	Active	Jan 1958	Jan 1966	0.00
30-015-02982		CONTINENTAL U STATE	001	EDDY	S:15, T:17S, R:29E	2,690	O	Active	Jul 1958	Sep 1973	0.03
30-015-02982		CONTINENTAL U STATE	001	EDDY	S:15, T:17S, R:29E	2,690	O	Active	Jan 1969	Sep 1973	0.03
30-015-20715		CONOCO STATE COM	001	EDDY	S:15, T:17S, R:29E	11,110	O	Flowing	Jan 1977	May 1977	0.03
30-015-02987	MARBOB ENERGY CORP	M DODD A	016	EDDY	S:15, T:17S, R:29E	0	O	Pumping	Jan 1967	Mar 1976	0.06
30-015-02988	MARBOB ENERGY CORP	M DODD A	017	EDDY	S:15, T:17S, R:29E	0	O	Pumping	Jan 1959	Dec 1977	0.23
30-015-02994	MARBOB ENERGY CORP	M DODD B	016	EDDY	S:15, T:17S, R:29E	0	I	Plugged and Abandoned	Jan 1967	Jun 1967	0.27
30-015-02983		CONTINENTAL U STATE	002	EDDY	S:15, T:17S, R:29E	2,620	O	Active	Jan 1969	Sep 1973	0.50
30-015-02993	MARBOB ENERGY CORP	M DODD B	011	EDDY	S:15, T:17S, R:29E	0	O	Active	Jan 1958	Dec 2001	0.74
30-015-10796	COG OPERATING LLC	G J WEST COOP UNIT	053	EDDY	S:15, T:17S, R:29E	2,900	O	Pumping	Jan 1970	Apr 2007	0.83
30-015-02994	SUNRAY MID CONTINENTAL OIL CO.	M DODD B FED	016	EDDY	S:15, T:17S, R:29E	0	I	Plugged and Abandoned	Jun 1958	Dec 1966	0.87
30-015-02993	SUNRAY MID CONTINENTAL OIL CO.	M DODD B FED	011	EDDY	S:15, T:17S, R:29E	0	O	Active	Jan 1958	Dec 1966	0.90
30-015-02982	CONTINENTAL OIL CO	STATE U 15	001	EDDY	S:15, T:17S, R:29E	2,690	O	Active	Jan 1960	Mar 1966	1.10
30-015-02983	CONTINENTAL OIL CO	STATE U 15	002	EDDY	S:15, T:17S, R:29E	2,620	O	Active	Jan 1960	Mar 1966	1.13
					S:15,						

30-015-02991	MARBOB ENERGY CORP	M DODD A	021Y	EDDY	T:17S, R:29E	11,180	O	Pumping		Jan 1993	Jun 2003	1.23
30-015-02983		CONTINENTAL U STATE	002	EDDY	S:15, T:17S, R:29E	2,620	O	Active		May 1959	Dec 1963	1.55
30-015-02984	MARBOB ENERGY CORP	CONTINENTAL STATE	001	EDDY	S:15, T:17S, R:29E	0	O	Pumping		Jan 1967	Dec 1977	1.68
30-015-00000	SUNRAY DX OIL CO.	M DODD A FEDERAL	019	EDDY	S:15, T:17S, R:29E		AP	Unknown		Jan 1965	Dec 1965	2.10
30-015-02993	MARBOB ENERGY CORP	M DODD B	011	EDDY	S:15, T:17S, R:29E	0	O	Active		Jan 1967	Nov 1976	2.17
30-015-20079	MARBOB ENERGY CORP	M DODD B	025	EDDY	S:15, T:17S, R:29E	2,700	O	Pumping		Sep 1967	Jan 1973	3.32
30-015-10796	MACK ENERGY CORP	G J WEST COOP UNIT	053	EDDY	S:15, T:17S, R:29E	2,900	O	Pumping		Jan 1967	Aug 1971	3.74
30-015-02993	SUNRAY MID- CONTINENT OIL COMPANY	DODD B	011	EDDY	S:15, T:17S, R:29E	0	O	Active		Apr 1957	Dec 1957	4.65
30-015-02992		M DODD B	009	EDDY	S:15, T:17S, R:29E		O	Active		Jan 1958	Dec 1959	5.61
30-015-02989	MARBOB ENERGY CORP	M DODD A	039	EDDY	S:15, T:17S, R:29E	0	PI	Injection Well		Jan 1959	Dec 1959	5.77
30-015-02994	MARBOB ENERGY CORP	M DODD B	016	EDDY	S:15, T:17S, R:29E	0	I	Plugged and Abandoned		Jun 1958	Dec 1959	6.58
30-015-02992	SUNRAY MID- CONTINENT OIL COMPANY	DODD B	009	EDDY	S:15, T:17S, R:29E		O	Active		Feb 1957	Dec 1957	15.90
30-015-02989	MARBOB ENERGY CORP	M DODD A	039	EDDY	S:15, T:17S, R:29E	0	PI	Injection Well		Dec 1956	Dec 1964	

Producing Wells in Section 15, T17S, R29E, Eddy County, NM



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Dodd Federal Unit

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

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