

DATE IN 8.30.11	SUSPENSE	ENGINEER DB	LOGGED IN 8.30.11	TYPE NSL	APP NO. 1124234312
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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

Dodd Fed Unit #561

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]

6478

[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

2011 AUG 26 A 10:37
 RECEIVED OGD

[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 #561
Eddy County, NM**

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

Non-standard Location:
2360' FSL & 380' FWL Sec 11, T17S, R29E, Unit L

**This well had to be staked at a non-standard location due to water
drainage.**

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 NW/4 of Section 11 and SE/4
NE/4 of Section 10.

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 561
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3623'

Surface Location

UL or lot No. L	Section 11	Township 17-S	Range 29-E	Lot Idn	Feet from the 2360	North/South line SOUTH	Feet from the 380	East/West line WEST	County EDDY
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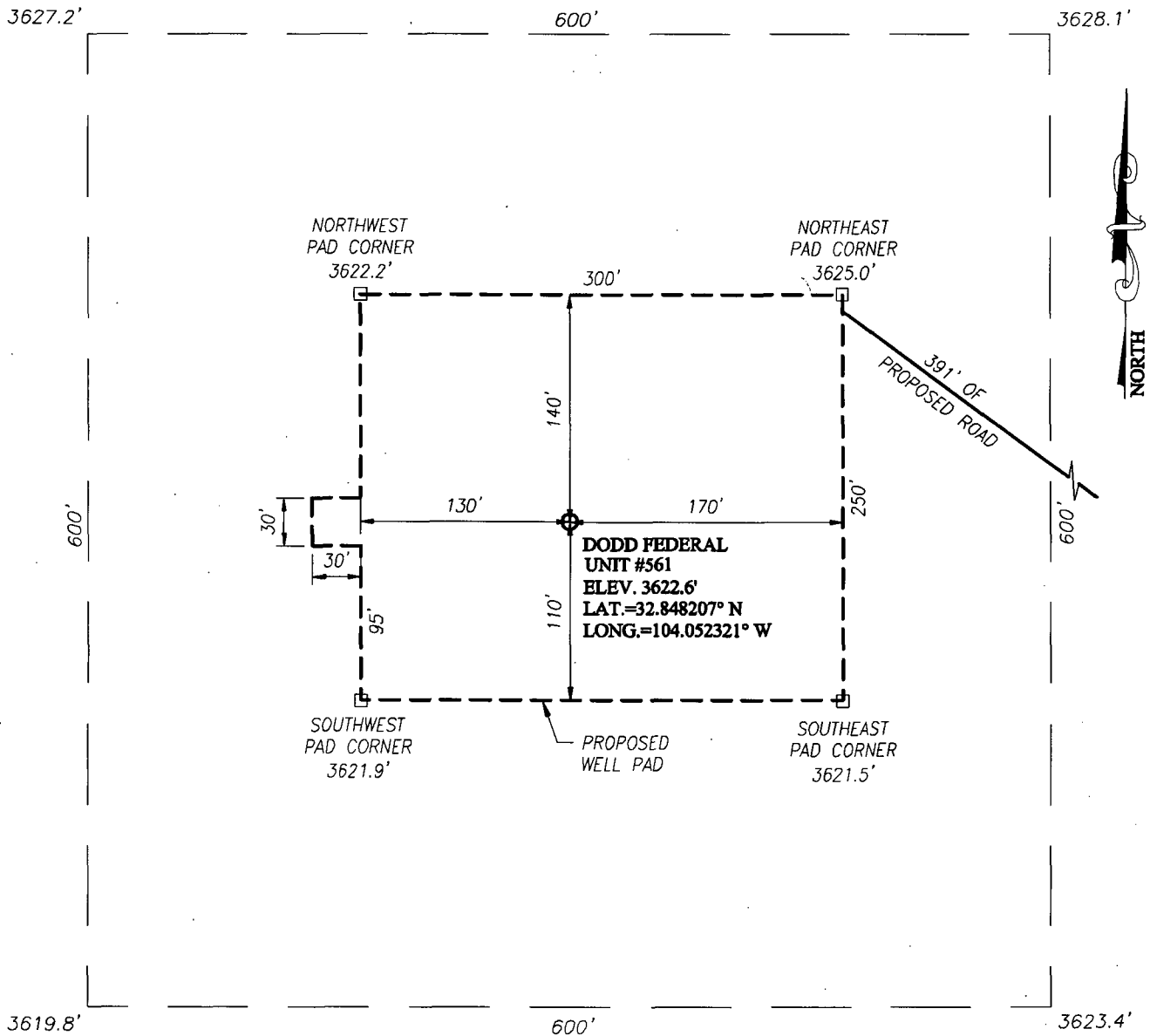
Bottom Hole Location If Different From Surface

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

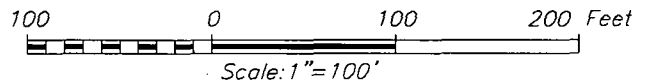
	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this 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>[Signature]</i> 8-24-11 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. AUGUST 5, 2011 Date of Survey Signature & Seal of Professional Surveyor: <i>[Signature]</i> RONALD J. EIDSON NEW MEXICO 3239 Certificate Number 12641 Professional Surveyor Ronald J. Eidson 3239 DSS JWSC W.O.: 11.11.1027

SECTION 11, 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. 1.5 MILES. TURN RIGHT AND GO EAST APPROX. 0.8 MILES. TURN LEFT AND GO NORTH APPROX. 0.35 MILES. TURN RIGHT AND GO EAST APPROX. 0.35 MILES. TURN LEFT AND GO NORTHWEST APPROX. 0.1 MILE TO THE EXISTING COG OPERATING DODD FEDERAL UNIT #126 WELL. FROM THE SOUTHWEST CORNER OF THE EXISTING WELL PAD, FOLLOW PROPOSED ROAD SURVEY STAKES NORTHWEST APPROX. 391 FEET TO THIS LOCATION.



COG OPERATING, LLC

DODD FEDERAL UNIT #561 WELL
 LOCATED 2360 FEET FROM THE SOUTH LINE
 AND 380 FEET FROM THE WEST LINE OF SECTION 11,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

Survey Date: 8/5/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.1027	Dr By: DSS
Date: 8/11/11	Rev 1: N/A
Rel. W.O.:	11111027
	Scale: 1"=100'

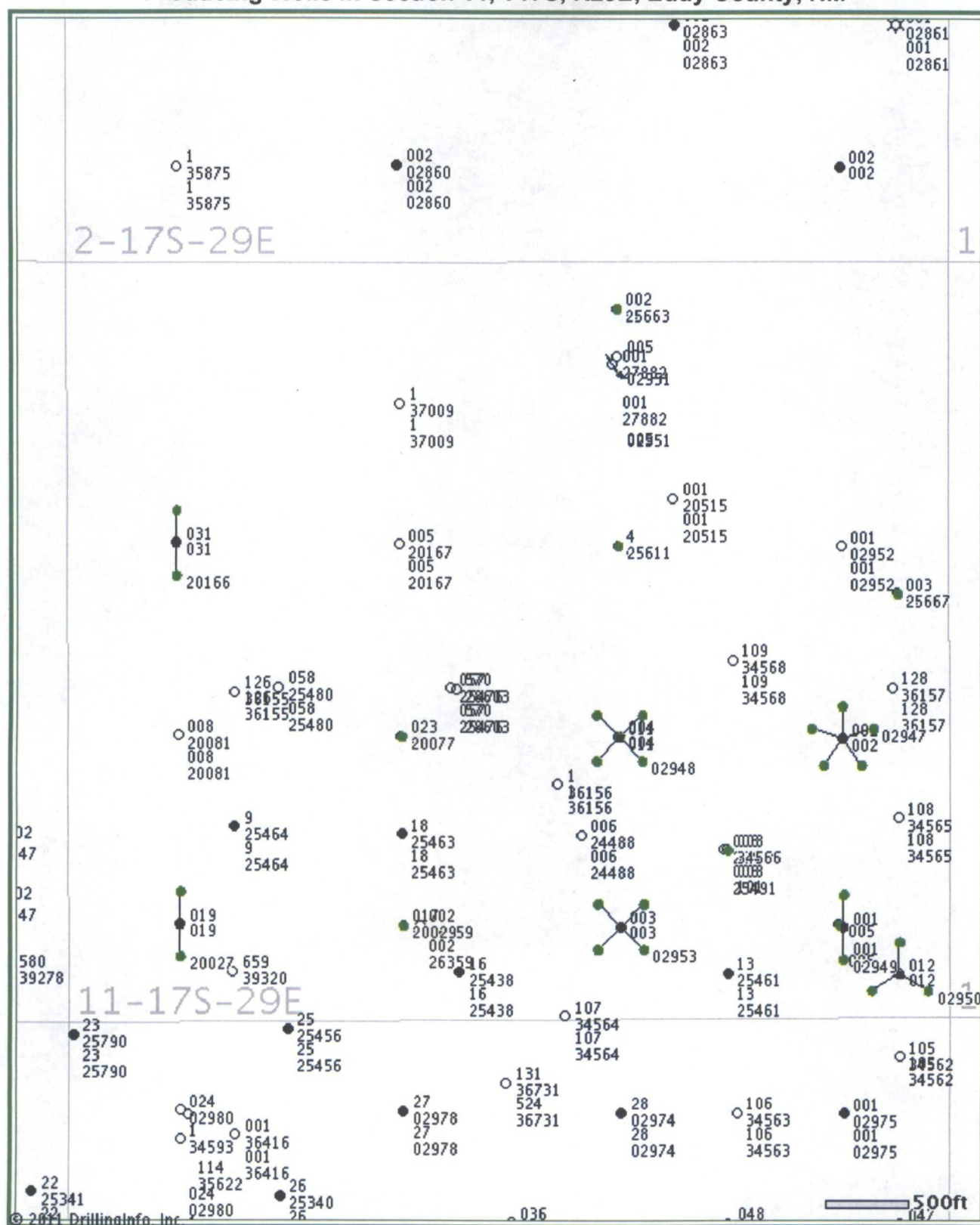
PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

Producing Wells in Section 11, T17S, R29E, Eddy County, NM

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-20166	MARBOB ENERGY CORP	M DODD B	031	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1972	Jul 1976	0.03
30-015-20027	MARBOB ENERGY CORP	M DODD B	019	EDDY	S:11, T:17S, R:29E	2,700	O	Pumping	May 1967	Dec 1977	0.13
30-015-20027	MARBOB ENERGY CORP	M DODD B	019	EDDY	S:11, T:17S, R:29E	2,700	O	Pumping	Jan 1969	Aug 2004	0.48
30-015-20166	MARBOB ENERGY CORP	M DODD B	031	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1969	Apr 2001	0.67
30-015-02953	BOYD TOM	DODD B FED	003	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1958	Dec 1965	1.52
30-015-00000	TOM BOYD	DODD B	005	EDDY	S:11, T:17S, R:29E		AP	Unknown	Jan 1965	Dec 1965	1.97
30-015-02949		DODD B FEDERAL	001	EDDY	S:11, T:17S, R:29E		O	Active	Jan 1963	Dec 1963	2.19
30-015-02950	TOM BOYD	DODD B	012	EDDY	S:11, T:17S, R:29E	2,535	PI	Injection Well	Jan 1966	Dec 1967	2.35
30-015-02947	TOM BOYD	DODD B	002	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1965	Dec 1967	2.39
30-015-02953	TOM BOYD	DODD B	003	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1966	Dec 1967	2.39
30-015-02948	TOM BOYD	DODD B	011	EDDY	S:11, T:17S, R:29E	2,521	PI	Injection Well	Jan 1966	Dec 1967	2.39
30-015-02949	BOYD, TOM	DODD B	001	EDDY	S:11, T:17S, R:29E		O	Active	Mar 1947	Feb 1951	2.43
30-015-02947	BOYD TOM	DODD B FED	002	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1958	Dec 1964	2.52
30-015-02950	BOYD TOM	DODD B FED	012	EDDY	S:11, T:17S, R:29E	2,535	PI	Injection Well	Nov 1958	Dec 1964	2.52
30-015-25611	MARBOB ENERGY CORP	RAPER FEDERAL	4	EDDY	S:11, T:17S, R:29E	4,560	O	Pumping	Jan 1987	Jan 2005	2.97
30-015-25663	MARBOB ENERGY CORP	RAPER FEDERAL	002	EDDY	S:11, T:17S, R:29E	4,510	O	Pumping	Jan 1987	Jan 2005	2.97
30-015-25667	MARBOB ENERGY CORP	RAPER FEDERAL	003	EDDY	S:11, T:17S, R:29E	4,590	O	Pumping	Sep 1987	Jan 2005	3.00
30-015-02948	BOYD, TOM	DODD B	011	EDDY	S:11, T:17S, R:29E	2,521	PI	Injection Well	May 1952	Dec 1957	3.48
30-015-02953	MARBOB ENERGY CORP	BOYD DODD B	003	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1969	Dec 1977	3.71
30-015-02947	MARBOB ENERGY CORP	BOYD DODD B	002	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1956	May 1994	4.26
30-015-02947	MARBOB ENERGY CORP	BOYD DODD B	002	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Jan 1969	Dec 1977	4.48
30-015-00000	TOM BOYD	DODD B	004	EDDY	S:11, T:17S, R:29E		AP	Unknown	Jan 1965	Dec 1965	5.42
	MARBOB ENERGY	DODD FEDERAL UNIT			S:11, T:17S, R:29E						

30-015-34566	CORP	NMNM111789X	101	EDDY	R:29E	4,550	O	Active Permit	Jun 2006	Nov 2006	6.23
30-015-20077	MARBOB ENERGY CORP	M DODD B	023	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Sep 1967	Dec 1977	6.48
30-015-02947	BOYD, TOM	DODD B	002	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Mar 1947	Dec 1957	6.94
30-015-02953	BOYD, TOM	DODD B	003	EDDY	S:11, T:17S, R:29E	0	O	Pumping	Apr 1951	Dec 1957	10.42
30-015-02948	BOYD TOM	DODD B FED	011	EDDY	S:11, T:17S, R:29E	2,521	PI	Injection Well	Jan 1958	Dec 1964	10.71
30-015-02948	MARBOB ENERGY CORP	BOYD DODD B	011	EDDY	S:11, T:17S, R:29E	2,521	PI	Injection Well	Jan 1956	Dec 1967	
30-015-02950	MARBOB ENERGY CORP	BOYD DODD B	012	EDDY	S:11, T:17S, R:29E	2,535	PI	Injection Well	Nov 1958	Dec 1967	
30-015-20029	MARBOB ENERGY CORP	M DODD B	017	EDDY	S:11, T:17S, R:29E	2,700	PI	Injection Well	May 1983	Sep 1983	

Producing Wells in Section 11, 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