

DATE IN 3.2.11 SUSPENSE ENGINEER DKB LOGGED IN 3.2.11 TYPE NSL APP NO. 1106128594

ABOVE THIS LINE FOR DIVISION USE ONLY

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



C 06-29137

Do dd Fed. Unit 631

ADMINISTRATIVE APPLICATION CHECKLIST

6353

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]

Fed
Eddy

[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 _____

Grayburg
Jackson

RECEIVED OGD
2011 MAR - 1 A 11:15

[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

INTEREST ARE THE SAME

[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

2-28-11
Date

(432) 685-4384
Phone Number

kholly@conchoresources.com
E-mail Address

**Dodd Federal Unit #631
Eddy County, NM**

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

Non-standard Location:
956' FSL & 206' FEL Sec 15, T17S, R29E, Unit P

This well had to be staked at a non-standard location due to buried pipe 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 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 SW/4 of Section 14 and NE/4 NE/4 of Section 22.

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 and Natural Resources Department

OIL CONSERVATION DIVISION
11885 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	Pool Code	Pool Name
30-015	28509	Grayburg Jackson; SR-Q-G-SA
Property Code	Property Name	Well Number
308195	DODD FEDERAL UNIT	631
OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3586'

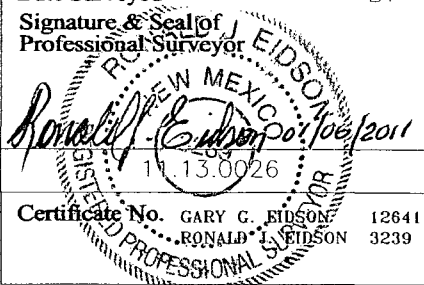
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	15	17-S	29-E		956	SOUTH	206	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	Joint or Infill	Consolidation Code	Order No.						
40									

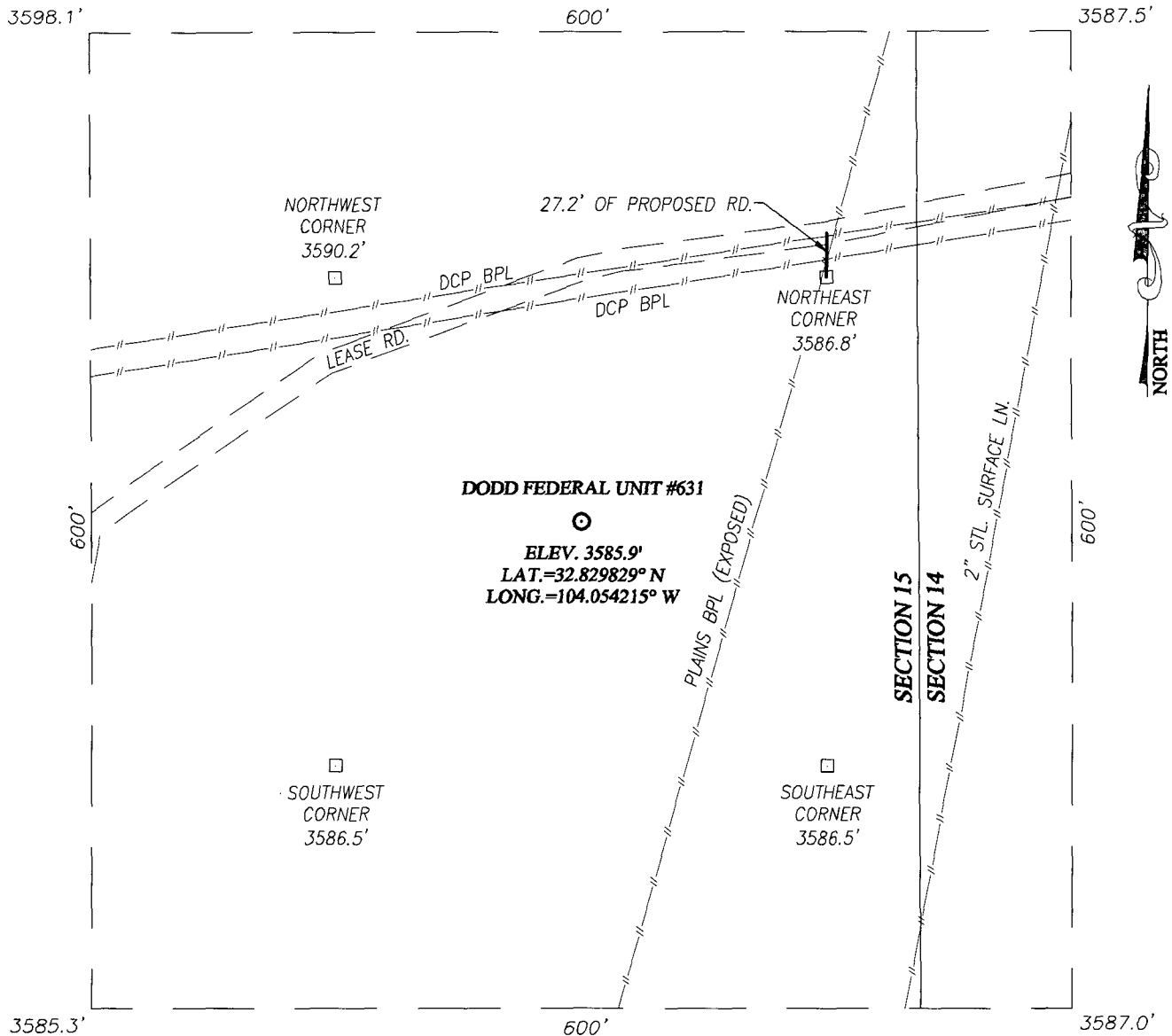
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETTIC COORDINATES NAD 27 NME SURFACE LOCATION Y=665716.1 N X=585737.0 E LAT.=32.829829° N LONG.=104.054215° 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.  02-28-2011 Signature Date Kelly J. Holly Printed Name	
DETAIL 3598.1' 3587.5' 600' 3585.3' 3587.0'				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. NOVEMBER 1, 2010 Date Surveyed LA Signature & Seal of Professional Surveyor  Certificate No. GARY G. EIDSON 12641 RONALD J. EIDSON 3239	
206x206= 42,436 364x364= 132,496 174,932				SEE DETAIL 206' 956'	

SECTION 15, TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.

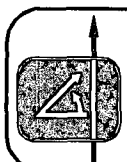
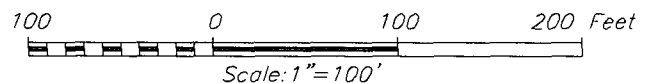
EDDY COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #214 (BARNAVAL DRAW RD.), GO NORTH ON CO. RD. #214 APPROX. 200 FEET. TURN RIGHT AND GO NORTHEAST APPROX. 0.4 MILES. TURN LEFT AND GO NORTH APPROX. 0.5 MILES. TURN RIGHT AND GO NORTHEAST APPROX. 0.1 MILE. TURN RIGHT AT PROPOSED ROAD SURVEY STAKES AND GO SOUTH APPROX. 27 FEET. THIS LOCATION STAKE IS APPROX. 212 FEET SOUTHWEST.



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

COG OPERATING, LLC

DODD FEDERAL UNIT #631 WELL
LOCATED 956 FEET FROM THE SOUTH LINE
AND 206 FEET FROM THE EAST LINE OF SECTION 15,
TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

Survey Date: 11/1/10	Sheet 1 of 1 Sheets
W.O. Number: 10.11.1485	Dr By: DSS
Date: 11/4/10	10111485
	Scale: 1"=100'

Producing Wells in Sec 15, T17S, R29E

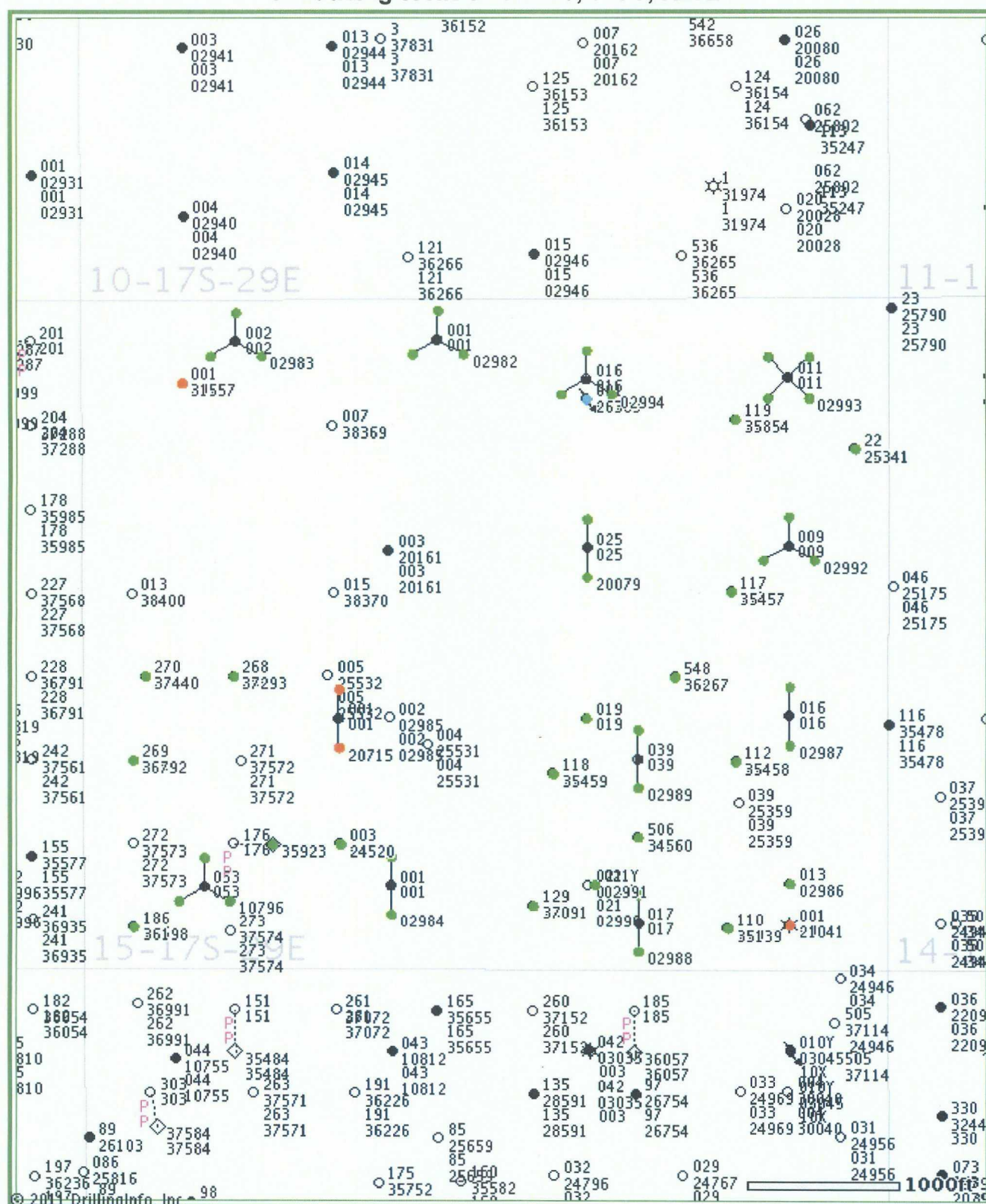
API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-21041	H L BROWN OPERATING, LLC	DODD FEDERAL	001	EDDY	S:15, T:17S, R:29E	0	G	Flowing	Jan 1977	Feb 2002	0.00
30-015-02992	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	009	EDDY	S:15, T:17S, R:29E		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
30-015-02984	MARBOB ENERGY CORP	CONTINENTAL STATE	001	EDDY	S:15, T:17S, R:29E	0	O	Pumping	Sep 1956	Oct 2010	0.19
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
30-015-24520	MARBOB ENERGY CORP	CONTINENTAL STATE	003	EDDY	S:15, T:17S, R:29E	3,400	PO	Pumping	Jan 1993	Oct 2010	0.65
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 CONTINENT 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 CONTINENT OIL CO.	M DODD B FED	011	EDDY	S:15, T:17S, R:29E	0	O	Active	Jan 1958	Dec 1966	0.90
					S:15,						

30-015-02982	CONTINENTAL OIL CO	STATE U 15	001	EDDY	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
30-015-02991	MARBOB ENERGY CORP	M DODD A	021Y	EDDY	S:15, 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
30-015-10796	COG OPERATING LLC	G J WEST COOP UNIT	053	EDDY	S:15, T:17S, R:29E	2,900	O	Pumping	Jan 2005	Oct 2010	2.29
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
30-015-36267	COG OPERATING LLC	DODD FEDERAL UNIT	548	EDDY	S:15, T:17S, R:29E	5,000	PO	Active Permit	Oct 2010	Oct 2010	3.71
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
30-015-20079	MARBOB ENERGY CORP	M DODD B	025	EDDY	S:15, T:17S, R:29E	2,700	O	Pumping	Jan 1969	Oct 2010	5.03
30-015-34560	MARBOB ENERGY CORP	DODD FEDERAL UNIT	506	EDDY	S:15, T:17S, R:29E	4,500	PO	Active Permit	Jun 2006	Oct 2010	5.10
30-015-35139	MARBOB ENERGY CORP	DODD FEDERAL UNIT	110	EDDY	S:15, T:17S, R:29E	5,005	O	Active Permit	Apr 2007	Oct 2010	5.10
30-015-35457	MARBOB ENERGY CORP	DODD FEDERAL UNIT	117	EDDY	S:15, T:17S, R:29E	4,480	O	Active Permit	Feb 2008	Oct 2010	5.10
30-015-35459	MARBOB ENERGY CORP	DODD FEDERAL UNIT	118	EDDY	S:15, T:17S, R:29E	4,480	O	Active Permit	Feb 2008	Oct 2010	5.10
					S:15,						

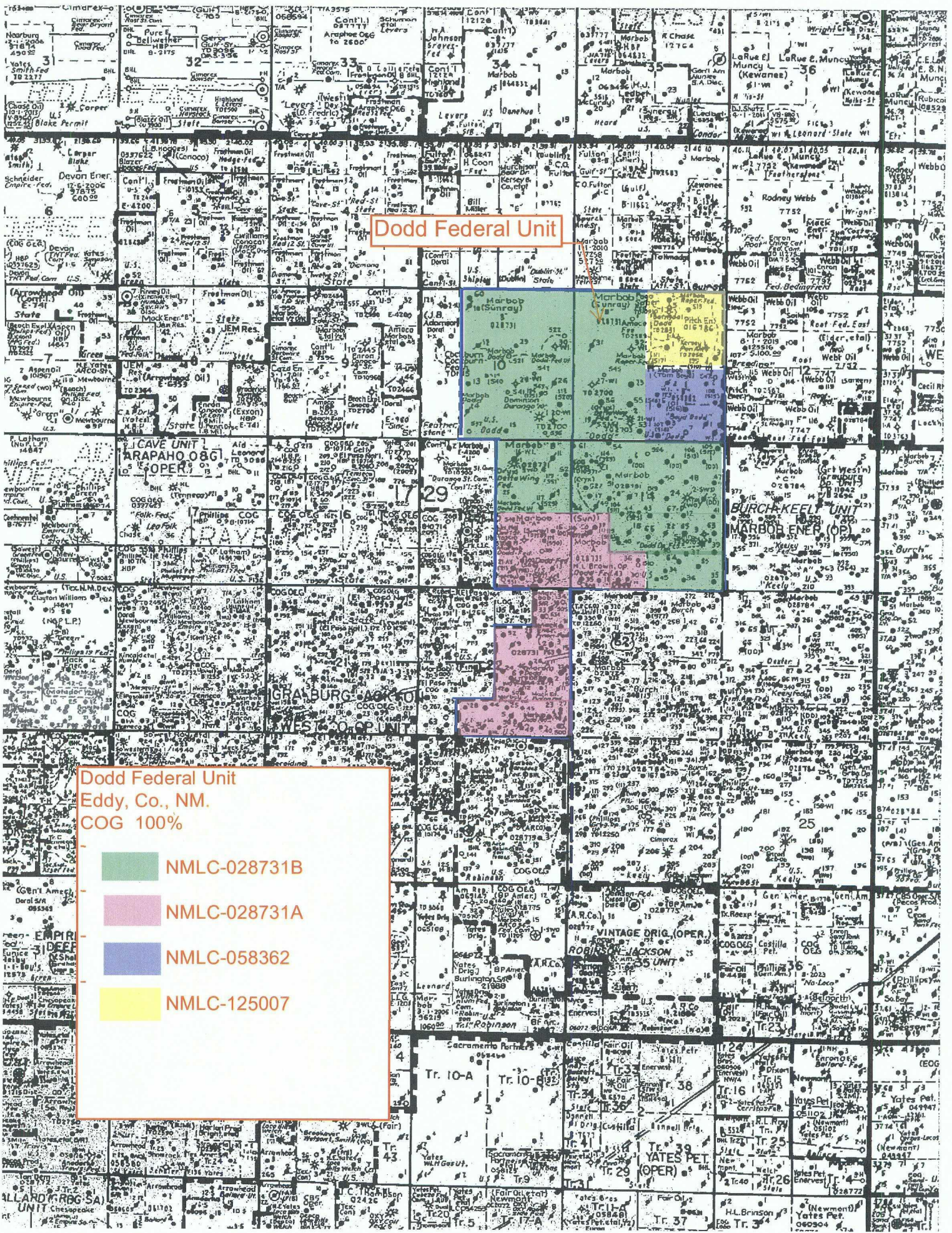
30-015-35458	MARBOB ENERGY CORP	DODD FEDERAL UNIT	112	EDDY	T:17S, R:29E	5,040	O	Active Permit	Sep 2007	Oct 2010	5.10
30-015-35854	MARBOB ENERGY CORP	DODD FEDERAL UNIT	119	EDDY	S:15, T:17S, R:29E	4,467	O	Active Permit	Mar 2008	Oct 2010	5.10
30-015-37091	COG OPERATING LLC	DODD FEDERAL UNIT	129	EDDY	S:15, T:17S, R:29E	5,000	O	Active Permit	Aug 2010	Oct 2010	5.10
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
30-015-36198	COG OPERATING LLC	G J WEST COOP UNIT	186	EDDY	S:15, T:17S, R:29E	5,454	O	Active Permit	Jun 2008	Oct 2010	6.16
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
30-015-02986	MARBOB ENERGY CORP	M DODD A	013	EDDY	S:15, T:17S, R:29E	0	O	Pumping	Mar 1956	Oct 2010	7.65
30-015-02987	MARBOB ENERGY CORP	M DODD A	016	EDDY	S:15, T:17S, R:29E	0	O	Pumping	Apr 1956	Oct 2010	7.65
30-015-02988	MARBOB ENERGY CORP	M DODD A	017	EDDY	S:15, T:17S, R:29E	0	O	Pumping	Jul 1956	Oct 2010	7.65
30-015-36792	COG OPERATING LLC	G J WEST COOP UNIT	269	EDDY	S:15, T:17S, R:29E	5,500	O	Active Permit	May 2009	Oct 2010	9.23
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
30-015-37293	COG OPERATING LLC	G J WEST COOP UNIT	268	EDDY	S:15, T:17S, R:29E	5,508	O	Active Permit	Feb 2010	Oct 2010	20.29
30-015-37440	COG OPERATING LLC	G J WEST COOP UNIT	270	EDDY	S:15, T:17S, R:29E	5,576	O	Active Permit	May 2010	Oct 2010	51.87
30-015-35923	COG OPERATING LLC	G J WEST COOP UNIT	176	EDDY	S:15, T:17S, R:29E	5,555	O	Active	May 2010	Oct 2010	144.48
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	
30-015-20715	CHESAPEAKE OPERATING, INC.	CONOCO STATE	001	EDDY	S:15, T:17S, R:29E	11,110	O	Flowing	Jan 1980	Aug 2010	
					S:15,						

30-015-25341	MARBOB ENERGY CORP	M DODD B	22	EDDY	T:17S, R:29E	4,518	O	Pumping	Jan 1993	Oct 2010	
30-015-26309	MARBOB ENERGY CORP	DELTA WING FEDERAL	001	EDDY	S:15, T:17S, R:29E	10,950	D	Salt Water Disposal	Jan 2001	Oct 2010	
30-015-31557	MARBOB ENERGY CORP	DURANGO 15 STATE COM	001	EDDY	S:15, T:17S, R:29E	10,900	U	Active	Jan 2005	Oct 2010	

Producing Wells in Sec 15, T17S, R29E



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Dodd Federal Unit

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

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

Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Wednesday, March 16, 2011 4:54 PM
To: 'Kelly Holly'
Subject: Dodd Fed Unit #631; NSL Application

Dear Ms. Holly

It seems that this proposed location encroaches diagonally toward the NW/4 SW/4 of Section 14. Division records indicate that COG is operator of that unit. Is working interest ownership in the NW/4 SW/4 of Section 14 identical to that in the SE/4 SE/4 of Section 15?

Sincerely

David Brooks

Brooks, David K., EMNRD

From: Kelly Holly [kholly@conchoresources.com]
Sent: Thursday, March 17, 2011 8:21 AM
To: Brooks, David K., EMNRD
Subject: RE: Dodd Fed Unit #631; NSL Application

Yes, we own all of Section 14.

From: Brooks, David K., EMNRD [<mailto:david.brooks@state.nm.us>]
Sent: Wednesday, March 16, 2011 5:54 PM
To: Kelly Holly
Subject: Dodd Fed Unit #631; NSL Application

Dear Ms. Holly

It seems that this proposed location encroaches diagonally toward the NW/4 SW/4 of Section 14. Division records indicate that COG is operator of that unit. Is working interest ownership in the NW/4 SW/4 of Section 14 identical to that in the SE/4 SE/4 of Section 15?

Sincerely

David Brooks