

5-6-11 DATE IN	SUSPENSE	ENGINEER DB	LOGGED IN	TYPE NSL	PTG-W APP NO. 1112942366
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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 #534
 6386

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

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

5-5-11
 Date

(432) 685-4384
 Phone Number

kholly@conchoresources.com
 E-mail Address

**Dodd Federal Unit #534
Eddy County, NM**

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

Non-standard Location:
2330' FNL & 1650' FEL Sec 10, T17S, R29E, Unit G

This well had to be staked at a non-standard location due 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 SE/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 534
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3599'

Surface Location

UL or lot No. G	Section 10	Township 17-S	Range 29-E	Lot Idn	Feet from the 2330	North/South line NORTH	Feet from the 1650	East/West line EAST	County EDDY
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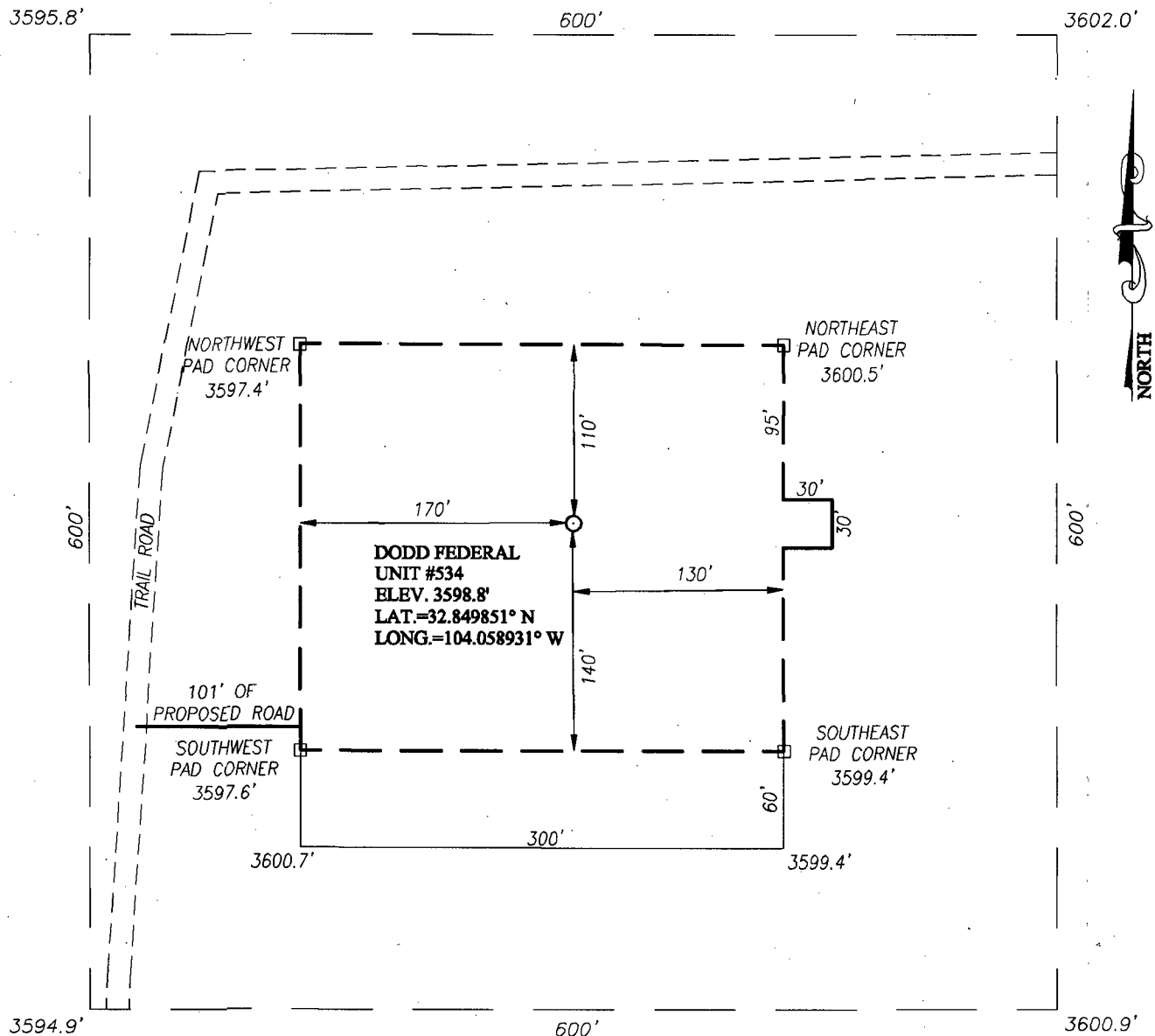
Bottom Hole Location If Different From Surface

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

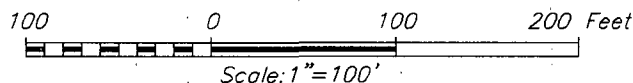
	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this 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. Signature: <i>Kelly J. Holly</i> Date: 5-2-11 Printed Name: Kelly J. Holly E-mail Address: kholly@conchoresources.com
	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. APRIL 14, 2011 Date of Survey Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> REGIST. 3239 Certificate Number: Gary G. Eidson 12641, Ronald J. Eidson 3239 LA JWSC W.O.: 11.11.0111

SECTION 10, 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. 0.5 MILES. TURN LEFT AND GO NORTH APPROX. 0.6 MILES. THE LOCATION STAKE IS APPROX. 275 FEET EAST OF TWO TRACK ROAD.



COG OPERATING, LLC

DODD FEDERAL UNIT #534 WELL
 LOCATED 2330 FEET FROM THE NORTH LINE
 AND 1650 FEET FROM THE EAST LINE OF SECTION 10,
 TOWNSHIP 17 SOUTH, RANGE 29 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO

Survey Date: 4/14/11	Sheet 1 of 1 Sheets
W.O. Number: 11.11.0111	Dr By: LA
Date: 4/21/11	Rel. W.O.: 11110111
	Scale: 1"=100'

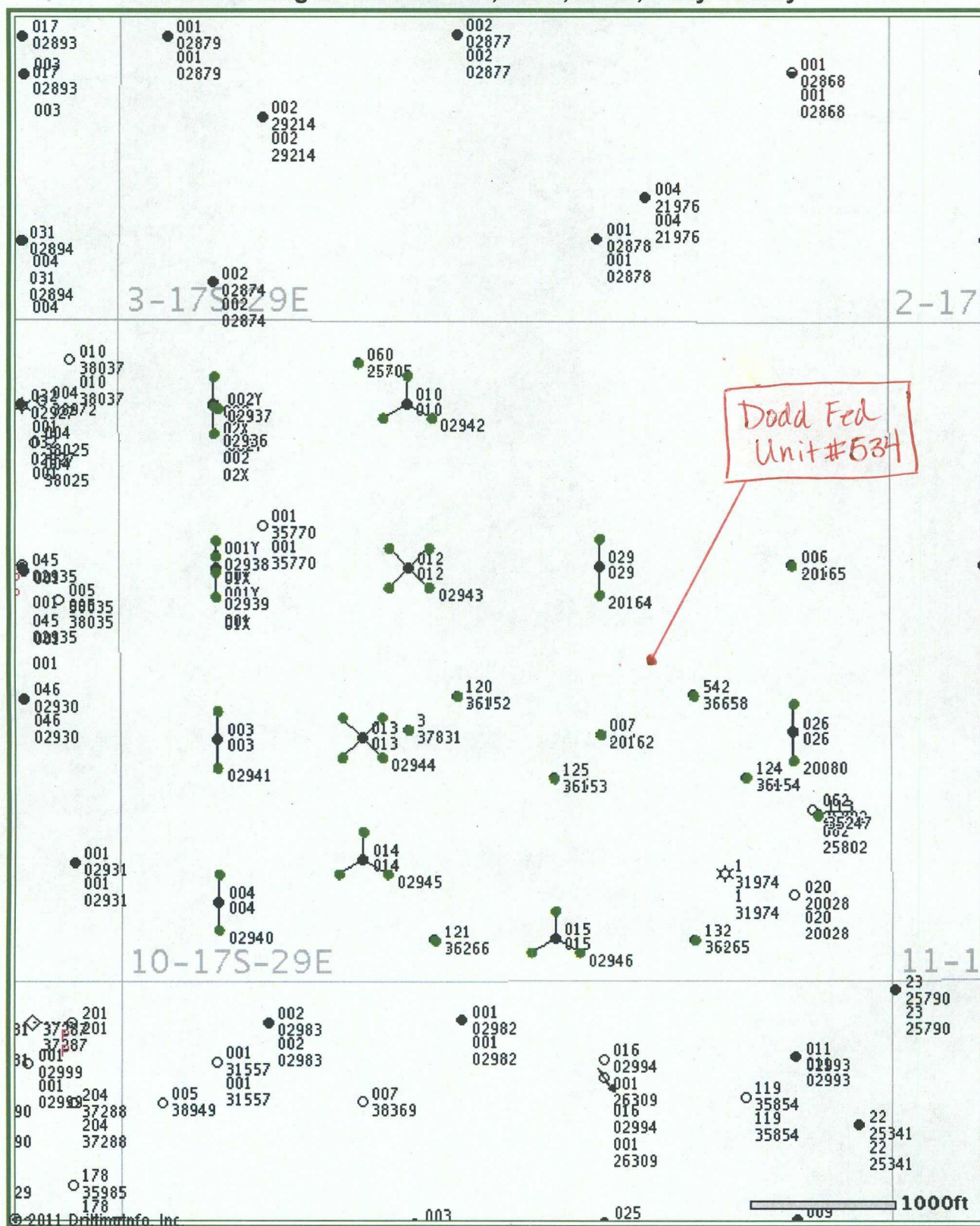
PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

Producing Wells in Sec 10, T17S, R29E, Eddy County

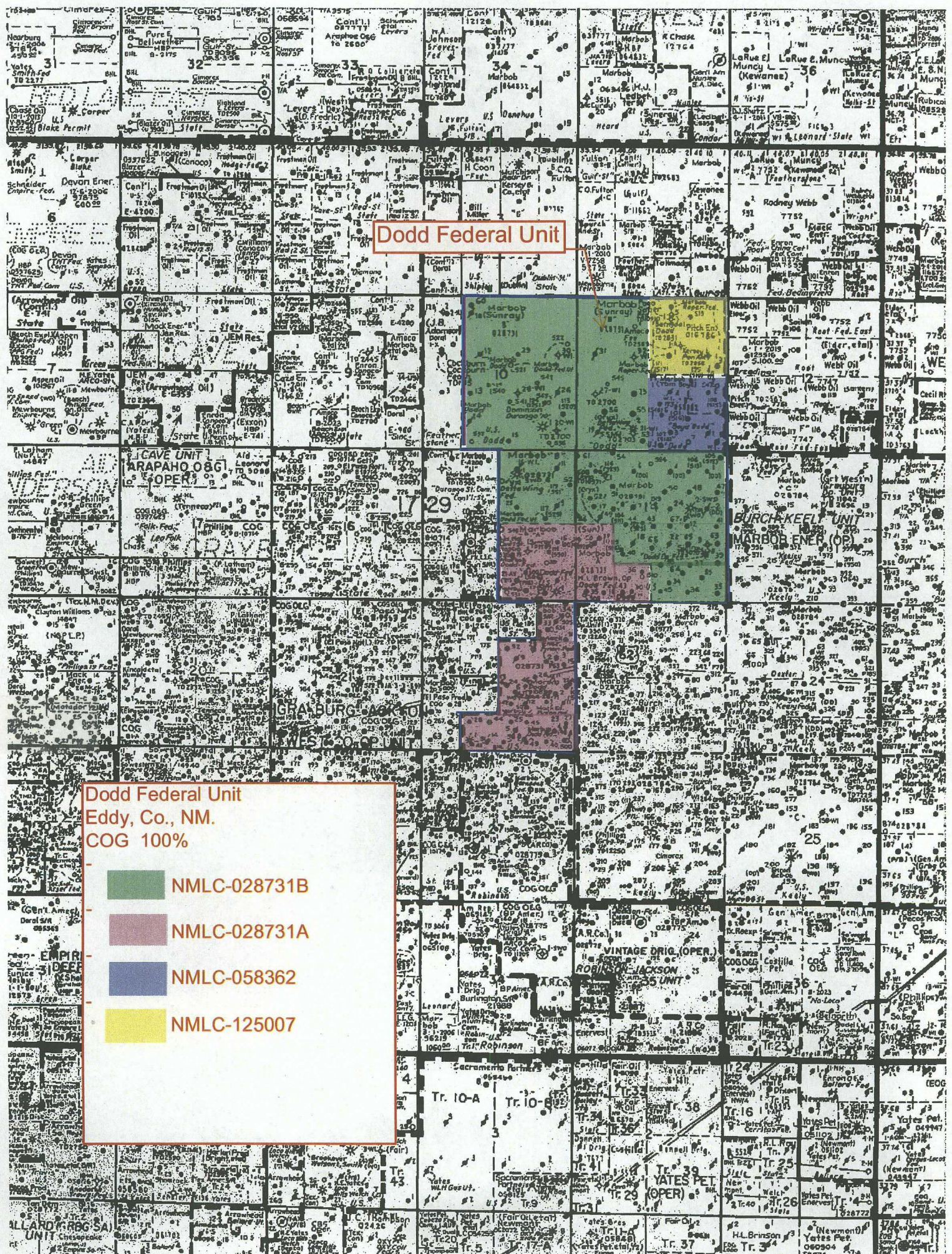
API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-02944	MARBOB ENERGY CORP	M DODD B	013	EDDY	S:10, T:17S, R:29E	2,478	O	Active	Jan 1967	Dec 1976	0.06
30-015-02945	MARBOB ENERGY CORP	M DODD B	014	EDDY	S:10, T:17S, R:29E	2,475	O	Active	Jan 1967	Dec 1977	0.06
30-015-02943	MARBOB ENERGY CORP	M DODD B	012	EDDY	S:10, T:17S, R:29E	2,482	O	Pumping	Jan 1967	Dec 1977	0.13
30-015-02939	COCKBURN MAGGIE SUETTA EXECUTRIX	COCKBURN FEATHERSTONE	001	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1958	Dec 1964	0.42
30-015-02936	COCKBURN MAGGIE SUETTA EXECUTRIX	COCKBURN FEATHERSTONE	002	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1958	Dec 1964	0.42
30-015-02937	DORAL ENERGY CORP.	FEATHERSTONE	002Y	EDDY	S:10, T:17S, R:29E	0	O	Pumping	Jan 1973	Dec 2010	0.52
30-015-02938	DORAL ENERGY CORP.	FEATHERSTONE	001Y	EDDY	S:10, T:17S, R:29E	0	O	Pumping	Jan 1973	Dec 2010	0.52
30-015-02941	DORAL ENERGY CORP.	FEATHERSTONE	003	EDDY	S:10, T:17S, R:29E	0	O	Active	Jan 1958	Dec 2010	0.52
30-015-02946	MARBOB ENERGY CORP	M DODD B	015	EDDY	S:10, T:17S, R:29E	2,456	O	Pumping	May 1958	Jan 2011	0.61
30-015-25705	MARBOB ENERGY CORP	M DODD B	060	EDDY	S:10, T:17S, R:29E	4,675	PO	Pumping	Jan 1993	Jan 2011	0.61
30-015-35247	MARBOB ENERGY CORP	DODD FEDERAL UNIT	113	EDDY	S:10, T:17S, R:29E	5,000	O	Active	Dec 2007	Jan 2011	0.61
30-015-36152	MARBOB ENERGY CORP	DODD FEDERAL UNIT	120	EDDY	S:10, T:17S, R:29E	4,480	O	Active Permit	Jul 2008	Jan 2011	0.61
30-015-36266	COG OPERATING LLC	DODD FEDERAL UNIT	121	EDDY	S:10, T:17S, R:29E	5,000	O	Active Permit	Mar 2010	Jan 2011	0.61
30-015-20080	MARBOB ENERGY CORP	M DODD B	026	EDDY	S:10, T:17S, R:29E	2,700	O	Active	Jan 1969	Apr 2002	0.63
30-015-02944	MARBOB ENERGY CORP	M DODD B	013	EDDY	S:10, T:17S, R:29E	2,478	O	Active	Jan 1958	Dec 2002	0.71
30-015-02945	MARBOB ENERGY CORP	M DODD B	014	EDDY	S:10, T:17S, R:29E	2,475	O	Active	Feb 1958	Dec 2002	0.71
30-015-02943	MARBOB ENERGY CORP	M DODD B	012	EDDY	S:10, T:17S, R:29E	2,482	O	Pumping	Jan 1958	Apr 2000	0.83
30-015-02942	SUNRAY MID CONTINENT OIL CO.	M DODD B	010	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1958	Sep 1983	0.83
30-015-02942	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	010	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1958	Dec 1966	0.87
30-015-02943	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	012	EDDY	S:10, T:17S, R:29E	2,482	O	Pumping	Jan 1958	Dec 1966	0.90
30-015-02944	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	013	EDDY	S:10, T:17S, R:29E	2,478	O	Active	Jan 1958	Dec 1966	0.90
30-015-02945	SUNRAY MID CONTINENT OIL CO.	M DODD B FED	014	EDDY	S:10, T:17S, R:29E	2,475	O	Active	Feb 1958	Dec 1966	0.90

30-015-02946	OIL CO.	M DODD B FED	015	EDDY	R:29E	2,456	O	Pumping	May 1958	Dec 1966	0.90
30-015-02940	DORAL ENERGY CORP.	FEATHERSTONE	004	EDDY	S:10, T:17S, R:29E	0	O	Pumping	Jan 1958	Dec 2010	0.94
30-015-20080	MARBOB ENERGY CORP	M DODD B	026	EDDY	S:10, T:17S, R:29E	2,700	O	Active	Sep 1967	Dec 1977	1.06
30-015-20164	MARBOB ENERGY CORP	M DODD B	029	EDDY	S:10, T:17S, R:29E	2,760	O	Pumping	Jan 1972	Dec 1977	1.10
30-015-20164	MARBOB ENERGY CORP	M DODD B	029	EDDY	S:10, T:17S, R:29E	2,760	O	Pumping	Jan 1971	Mar 1995	1.16
30-015-02936	MAGGIE SUETTA COCKBURN	FEATHERSTONE	002	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1965	Dec 1971	4.58
30-015-36658	COG OPERATING LLC	DODD FEDERAL UNIT	542	EDDY	S:10, T:17S, R:29E	5,000	PO	Active Permit	Jul 2010	Jan 2011	5.35
30-015-02939	MAGGIE SUETTA COCKBURN	FEATHERSTONE	001	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1965	Dec 1971	6.06
30-015-02946	MARBOB ENERGY CORP	M DODD B	015	EDDY	S:10, T:17S, R:29E	2,456	O	Pumping	Jan 1967	Dec 1977	10.81
30-015-02942	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	010	EDDY	S:10, T:17S, R:29E		O	Active	Apr 1957	Dec 1957	15.65
30-015-36153	MARBOB ENERGY CORP	DODD FEDERAL UNIT	125	EDDY	S:10, T:17S, R:29E	5,000	O	Active Permit	Sep 2009	Jan 2011	17.55
30-015-02943	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	012	EDDY	S:10, T:17S, R:29E	2,482	O	Pumping	Mar 1957	Dec 1957	22.68
30-015-36154	MARBOB ENERGY CORP	DODD FEDERAL UNIT	124	EDDY	S:10, T:17S, R:29E	5,000	O	Active Permit	Sep 2009	Jan 2011	30.74
30-015-02944	SUNRAY MID-CONTINENT OIL COMPANY	DODD B	013	EDDY	S:10, T:17S, R:29E	2,478	O	Active	Oct 1957	Dec 1957	35.06
30-015-00000	COCKBURN. BARNEY	COCKBRN. FEATH.	01X	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1957	Dec 1957	37.00
30-015-00000	COCKBURN. BARNEY	COCKBRN. FEATH.	02X	EDDY	S:10, T:17S, R:29E		O	Active	Jan 1957	Dec 1957	37.00
30-015-02941	COCKBURN. BARNEY	COCKBRN. FEATH.	003	EDDY	S:10, T:17S, R:29E	0	O	Active	Jul 1957	Dec 1957	37.00
30-015-02940	COCKBURN. BARNEY	COCKBRN. FEATH.	004	EDDY	S:10, T:17S, R:29E	0	O	Pumping	Nov 1957	Dec 1957	37.00
30-015-36265	COG OPERATING LLC	DODD FEDERAL UNIT	132	EDDY	S:10, T:17S, R:29E	5,010	O	Active Permit	Oct 2010	Jan 2011	103.45
30-015-20162	MARBOB ENERGY CORP	M DODD B	007	EDDY	S:10, T:17S, R:29E	0	PI	Injection Well	Feb 1984	Feb 1984	
30-015-20165	MARBOB ENERGY CORP	M DODD B	006	EDDY	S:10, T:17S, R:29E	0	PI	Injection Well	Jul 1971	Feb 1984	
30-015-37831	COG OPERATING LLC	EMPIRE FEDERAL SWD	3	EDDY	S:10, T:17S, R:29E	9,200	U	Active Permit	Nov 2010	Jan 2011	

Producing Wells in Sec 10, T17S, R29E, Eddy County



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Brooks, David K., EMNRD

From: Brooks, David K., EMNRD
Sent: Wednesday, June 01, 2011 5:16 PM
To: 'Kelly Holly'
Subject: Dodd Federal Unit #534; NSL Application

Dear Ms. Holly

On this application, which was filed May 6, I failed previously to note that there is a diagonal encroachment toward the NE/4 SE/4 of Section 10 which is not addressed in your application.

Is ownership the same in the NE/4 SE/4 as in the NW/4 SE/4 and SW/4 NE/4?

David Brooks

Brooks, David K., EMNRD

From: Kelly Holly [kholly@conchoresources.com]
Sent: Thursday, June 02, 2011 8:11 AM
To: Brooks, David K., EMNRD
Subject: RE: Dodd Federal Unit #534; NSL Application

Yes, we own 100% of NE/4 SE/4 of Section 10.

From: Brooks, David K., EMNRD [<mailto:david.brooks@state.nm.us>]
Sent: Wednesday, June 01, 2011 6:16 PM
To: Kelly Holly
Subject: Dodd Federal Unit #534; NSL Application

Dear Ms. Holly

On this application, which was filed May 6, I failed previously to note that there is a diagonal encroachment toward the NE/4 SE/4 of Section 10 which is not addressed in your application.

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David Brooks