

CASE # 1352314669

Revised March 23, 2017

RECEIVED: 5/8/2017	REVIEWER: LRL	TYPE: NSL	APP NO: PLE1712855246
--------------------	---------------	-----------	-----------------------

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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



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

NSL-

Applicant: COG Operating LLC	OGRID Number: 229137
Well Name: Dodd Federal Unit #917H	API: 30-015-44128
Pool: Dodd; Glorieta-Upper Yeso	Pool Code: 97917

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

NSL-7534

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
- A. Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for [I] or [II]
- [I] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
- [II] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.
- A. ☐ Offset operators or lease holders
 B. ☐ Royalty, overriding royalty owners, revenue owners
 C. ☐ Application requires published notice
 D. ☐ Notification and/or concurrent approval by SLO
 E. ☐ Notification and/or concurrent approval by BLM
 F. ☐ Surface owner
 G. ☐ For all of the above, proof of notification or publication is attached, and/or,
 H. ☒ No notice required

FOR OCD ONLY	
☐	Notice Complete
☐	Application Content Complete

- 3) **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.

Robyn Russell

 Print or Type Name

 Signature

05/05/2017

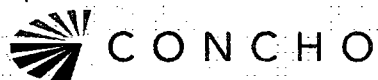
 Date

(432) 685-4385

 Phone Number

Russell@concho.com

 e-mail Address



May 5, 2017

New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Dodd Federal Unit #917H NSL

To Whom It May Concern,

COG Operating LLC respectfully requests approval of a non-standard project area for the following wells:

Dodd Federal Unit #917H - API# 3001544128
SHL 1035 FNL 230 FEL, UL A, Sec 15, T17S, R29E
BHL 990 FNL 10 FEL, UL A, Sec 14, T17S, R29E

This non-standard location is requested to maximize the production of this well and reduce waste of the reserves when drilling horizontally in a west/east orientation.

COG Operating LLC is the operator of the offset Yeso wells in UL D & E, Sec 20, T17S, R29E and no notification is needed.

Please contact me should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Robyn Russell".

Robyn Russell
Regulatory Analyst
COG Operating, LLC
(432) 685-4385
Russell@concho.com



COG Operating LLC

Eddy County, NM (NAD-27 2015)

Dodd Federal Unit #917H

SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A

PP: 969' FNL, 330' FWL, Sec 14, T17S, R29E, Unit D

BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A

Plan: Design #1

Standard Planning Report

03 May, 2017



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A
Company:	COG Operating LLC	TVD Reference:	KB @ 3630.00usft (Patriot 6)
Project:	Eddy County, NM (NAD-27 2015)	MD Reference:	KB @ 3630.00usft (Patriot 6)
Site:	Dodd Federal Unit #917H	North Reference:	Grid
Well:	SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A		
Design:	Design #1		

Project	Eddy County, NM (NAD-27 2015)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Dodd Federal Unit #917H		
Site Position:		Northing:	669,009.70 usft
From:	Map	Easting:	585,704.90 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	32° 50' 19.976 N
		Longitude:	104° 3' 15.449 W
		Grid Convergence:	0.15 °

Well	SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A		
Well Position	+N/-S	0.00 usft	Northing: 669,009.70 usft
	+E/-W	0.00 usft	Easting: 585,704.90 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 50' 19.976 N
		Longitude:	104° 3' 15.449 W
		Ground Level:	3,612.00 usft

Wellbore	BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	05/02/17	(°)
			7.24
			Dip Angle
			(°)
			60.55
			Field Strength
			(nT)
			48,263

Design	Design #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			89.56

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,329.21	0.00	0.00	4,329.21	0.00	0.00	0.00	0.00	0.00	0.00	
5,156.48	91.00	83.39	4,850.00	61.00	526.44	11.00	11.00	0.00	83.39	
5,510.13	91.00	90.46	4,843.82	79.95	879.30	2.00	0.00	2.00	89.95	
10,135.29	91.00	90.46	4,763.18	42.50	5,503.60	0.00	0.00	0.00	0.00	Plat BHL (DFU#917H,

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A
Company:	COG Operating LLC	TVD Reference:	KB @ 3630.00usft (Patriot 6)
Project:	Eddy County, NM (NAD-27, 2015)	MD Reference:	KB @ 3630.00usft (Patriot 6)
Site:	Dodd Federal Unit #917H	North Reference:	Grid
Well:	SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,329.21	0.00	0.00	4,329.21	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 11.00									
4,350.00	2.29	83.39	4,349.99	0.05	0.41	0.41	11.00	11.00	0.00
4,400.00	7.79	83.39	4,399.78	0.55	4.77	4.78	11.00	11.00	0.00
4,450.00	13.29	83.39	4,448.92	1.60	13.85	13.86	11.00	11.00	0.00
4,500.00	18.79	83.39	4,496.96	3.19	27.57	27.59	11.00	11.00	0.00
4,550.00	24.29	83.39	4,543.45	5.31	45.79	45.83	11.00	11.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A
Company:	COG Operating LLC	TVD Reference:	KB @ 3630.00usft (Patriot 6)
Project:	Eddy County, NM (NAD-27-2015)	MD Reference:	KB @ 3630.00usft (Patriot 6)
Site:	Dodd Federal Unit #917H	North Reference:	Grid
Well:	SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
4,600.00	29.79	83.39	4,587.97	7.92	68.36	68.42	11.00	11.00	0.00
4,650.00	35.29	83.39	4,630.10	11.02	95.06	95.15	11.00	11.00	0.00
4,700.00	40.79	83.39	4,669.47	14.56	125.66	125.76	11.00	11.00	0.00
4,750.00	46.29	83.39	4,705.70	18.52	159.85	159.99	11.00	11.00	0.00
4,800.00	51.79	83.39	4,738.47	22.87	197.35	197.52	11.00	11.00	0.00
4,850.00	57.29	83.39	4,767.46	27.55	237.78	237.99	11.00	11.00	0.00
4,900.00	62.79	83.39	4,792.43	32.54	280.80	281.04	11.00	11.00	0.00
4,950.00	68.29	83.39	4,813.12	37.78	325.99	326.27	11.00	11.00	0.00
5,000.00	73.79	83.39	4,829.37	43.22	372.94	373.27	11.00	11.00	0.00
5,050.00	79.29	83.39	4,841.00	48.81	421.23	421.59	11.00	11.00	0.00
5,100.00	84.79	83.39	4,847.93	54.51	470.40	470.80	11.00	11.00	0.00
5,150.00	90.29	83.39	4,850.07	60.26	520.00	520.45	11.00	11.00	0.00
5,156.48	91.00	83.39	4,850.00	61.00	526.44	526.89	11.00	11.00	0.00
Start DLS 2.00 TFO 89.95									
5,200.00	91.00	84.26	4,849.24	65.68	569.70	570.19	2.00	0.00	2.00
5,300.00	91.00	86.26	4,847.49	73.94	669.33	669.89	2.00	0.00	2.00
5,400.00	91.00	88.26	4,845.75	78.72	769.20	769.78	2.00	0.00	2.00
5,500.00	91.00	90.26	4,844.00	80.01	869.17	869.76	2.00	0.00	2.00
5,510.13	91.00	90.46	4,843.82	79.95	879.30	879.89	2.00	0.00	2.00
Start 4625.16 hold at 5510.13 MD									
5,600.00	91.00	90.46	4,842.26	79.22	969.15	969.74	0.00	0.00	0.00
5,700.00	91.00	90.46	4,840.51	78.41	1,069.13	1,069.71	0.00	0.00	0.00
5,800.00	91.00	90.46	4,838.77	77.60	1,169.12	1,169.68	0.00	0.00	0.00
5,900.00	91.00	90.46	4,837.03	76.79	1,269.10	1,269.65	0.00	0.00	0.00
6,000.00	91.00	90.46	4,835.28	75.98	1,369.08	1,369.62	0.00	0.00	0.00
6,100.00	91.00	90.46	4,833.54	75.17	1,469.06	1,469.60	0.00	0.00	0.00
6,200.00	91.00	90.46	4,831.80	74.36	1,569.04	1,569.57	0.00	0.00	0.00
6,300.00	91.00	90.46	4,830.05	73.55	1,669.02	1,669.54	0.00	0.00	0.00
6,400.00	91.00	90.46	4,828.31	72.74	1,769.00	1,769.51	0.00	0.00	0.00
6,500.00	91.00	90.46	4,826.57	71.93	1,868.99	1,869.49	0.00	0.00	0.00
6,600.00	91.00	90.46	4,824.82	71.12	1,968.97	1,969.46	0.00	0.00	0.00
6,700.00	91.00	90.46	4,823.08	70.31	2,068.95	2,069.43	0.00	0.00	0.00
6,800.00	91.00	90.46	4,821.33	69.50	2,168.93	2,169.40	0.00	0.00	0.00
6,900.00	91.00	90.46	4,819.59	68.69	2,268.91	2,269.38	0.00	0.00	0.00
7,000.00	91.00	90.46	4,817.85	67.88	2,368.89	2,369.35	0.00	0.00	0.00
7,100.00	91.00	90.46	4,816.10	67.08	2,468.88	2,469.32	0.00	0.00	0.00
7,200.00	91.00	90.46	4,814.36	66.27	2,568.86	2,569.29	0.00	0.00	0.00
7,300.00	91.00	90.46	4,812.62	65.46	2,668.84	2,669.26	0.00	0.00	0.00
7,400.00	91.00	90.46	4,810.87	64.65	2,768.82	2,769.24	0.00	0.00	0.00
7,500.00	91.00	90.46	4,809.13	63.84	2,868.80	2,869.21	0.00	0.00	0.00
7,600.00	91.00	90.46	4,807.39	63.03	2,968.78	2,969.18	0.00	0.00	0.00
7,700.00	91.00	90.46	4,805.64	62.22	3,068.76	3,069.15	0.00	0.00	0.00
7,800.00	91.00	90.46	4,803.90	61.41	3,168.75	3,169.13	0.00	0.00	0.00
7,900.00	91.00	90.46	4,802.15	60.60	3,268.73	3,269.10	0.00	0.00	0.00
8,000.00	91.00	90.46	4,800.41	59.79	3,368.71	3,369.07	0.00	0.00	0.00
8,100.00	91.00	90.46	4,798.67	58.98	3,468.69	3,469.04	0.00	0.00	0.00
8,200.00	91.00	90.46	4,796.92	58.17	3,568.67	3,569.01	0.00	0.00	0.00
8,300.00	91.00	90.46	4,795.18	57.36	3,668.65	3,668.99	0.00	0.00	0.00
8,400.00	91.00	90.46	4,793.44	56.55	3,768.64	3,768.96	0.00	0.00	0.00
8,500.00	91.00	90.46	4,791.69	55.74	3,868.62	3,868.93	0.00	0.00	0.00
8,600.00	91.00	90.46	4,789.95	54.93	3,968.60	3,968.90	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A
Company:	COG Operating LLC	TVD Reference:	KB @ 3630.00usft (Patriot 6)
Project:	Eddy County, NM (NAD-27 2015)	MD Reference:	KB @ 3630.00usft (Patriot 6)
Site:	Dodd Federal Unit #917H	North Reference:	Grid
Well:	SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,700.00	91.00	90.46	4,788.21	54.12	4,068.58	4,068.88	0.00	0.00	0.00
8,800.00	91.00	90.46	4,786.46	53.31	4,168.56	4,168.85	0.00	0.00	0.00
8,900.00	91.00	90.46	4,784.72	52.50	4,268.54	4,268.82	0.00	0.00	0.00
9,000.00	91.00	90.46	4,782.98	51.69	4,368.52	4,368.79	0.00	0.00	0.00
9,100.00	91.00	90.46	4,781.23	50.88	4,468.51	4,468.77	0.00	0.00	0.00
9,200.00	91.00	90.46	4,779.49	50.07	4,568.49	4,568.74	0.00	0.00	0.00
9,300.00	91.00	90.46	4,777.74	49.26	4,668.47	4,668.71	0.00	0.00	0.00
9,400.00	91.00	90.46	4,776.00	48.45	4,768.45	4,768.68	0.00	0.00	0.00
9,500.00	91.00	90.46	4,774.26	47.64	4,868.43	4,868.65	0.00	0.00	0.00
9,600.00	91.00	90.46	4,772.51	46.83	4,968.41	4,968.63	0.00	0.00	0.00
9,700.00	91.00	90.46	4,770.77	46.02	5,068.39	5,068.60	0.00	0.00	0.00
9,800.00	91.00	90.46	4,769.03	45.21	5,168.38	5,168.57	0.00	0.00	0.00
9,900.00	91.00	90.46	4,767.28	44.40	5,268.36	5,268.54	0.00	0.00	0.00
10,000.00	91.00	90.46	4,765.54	43.60	5,368.34	5,368.52	0.00	0.00	0.00
10,100.00	91.00	90.46	4,763.80	42.79	5,468.32	5,468.49	0.00	0.00	0.00
10,135.29	91.00	90.46	4,763.18	42.50	5,503.60	5,503.76	0.00	0.00	0.00
TD at 10135.29									

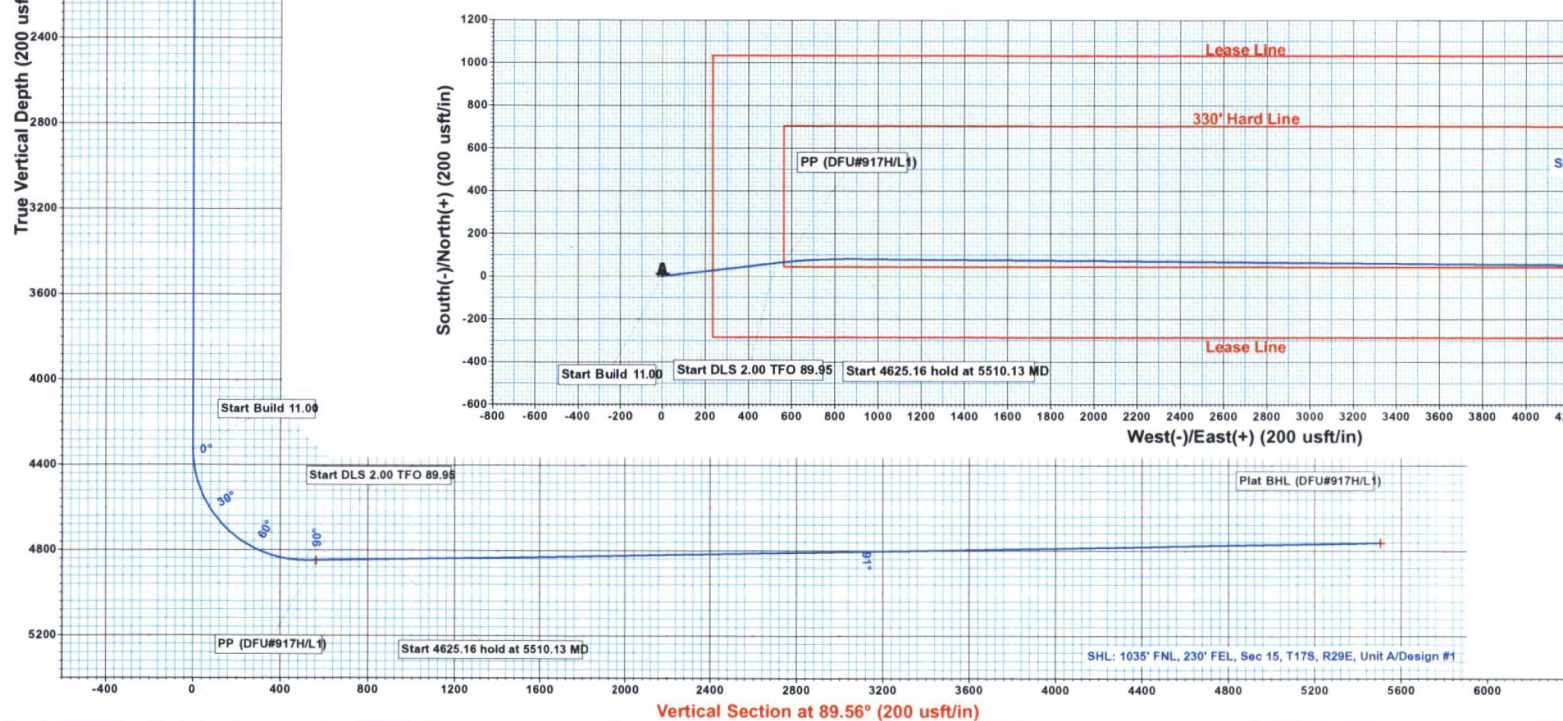
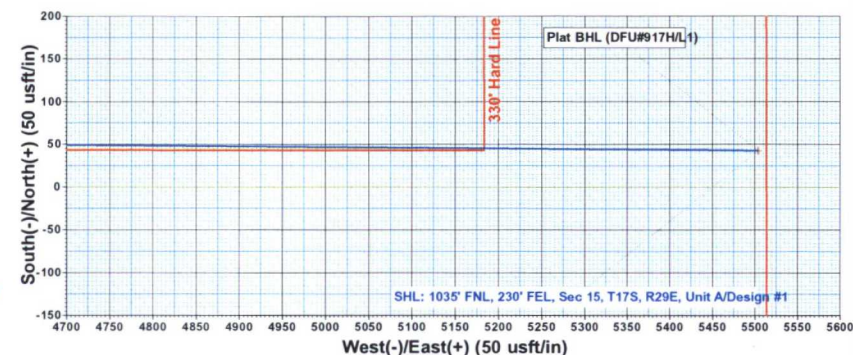
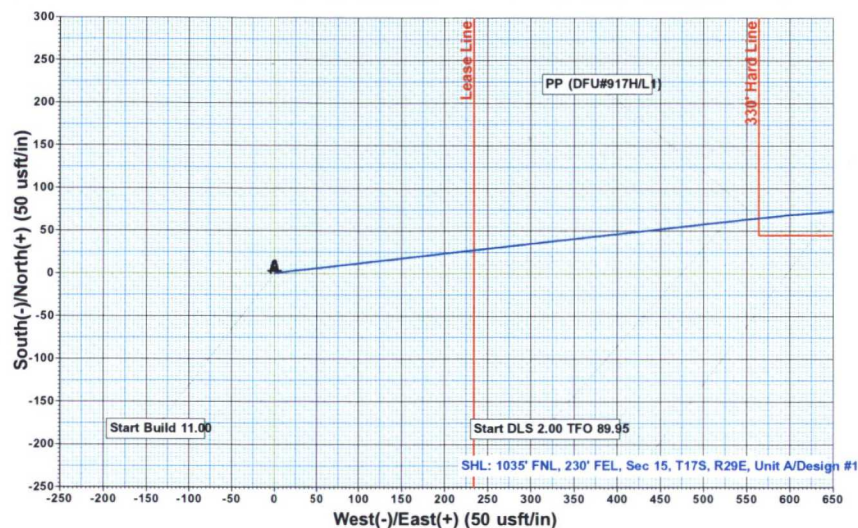
Design Targets									
Target Name	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Plat BHL (DFU#917H/L1)	0.00	0.00	4,763.18	42.50	5,503.60	669,052.20	591,208.50	32° 50' 20.248 N	104° 2' 10.940 W
- plan hits target center									
- Point									
PP (DFU#917H/L1)	0.00	0.00	4,849.34	65.13	564.23	669,074.83	586,269.13	32° 50' 20.606 N	104° 3' 8.833 W
- plan hits target center									
- Point									

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
4,329.21	4,329.21	0.00	0.00	Start Build 11.00	
5,156.48	4,850.00	61.00	526.44	Start DLS 2.00 TFO 89.95	
5,510.13	4,843.82	65.13	564.23	Start 4625.16 hold at 5510.13 MD	
10,135.29	4,763.18	79.95	879.30	TD at 10135.29	

Well: SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A
Wellbore: BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A

Plan: Design #1 (SHL: 1035' FNL, 230' FEL, Sec 15, T17S, R29E, Unit A/BHL: 990' FNL, 10' FEL, Sec 14, T17S, R29E, Unit A)

Section Details										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00			0.00	0.00	0.00	
2	4329.21	0.00	0.00	4329.21	0.00	0.00	0.00	0.00	0.00	
3	5156.48	91.00	83.39	4850.00	61.00	526.44	11.00	83.39	526.89	
4	5510.13	91.00	90.46	4843.82	79.95	879.30	2.00	89.95	879.89	
5	10135.29	91.00	90.46	4763.18	42.50	5503.60	0.00	0.00	5503.76	Plat BHL (DFU#917H/L1)-



Azimuths to Grid North
True North: -0.15°
Magnetic North: 7.09°

Magnetic Field
Strength: 48262.5nT
Dip Angle: 60.55°
Date: 05/02/2017
Model: IGRF2015



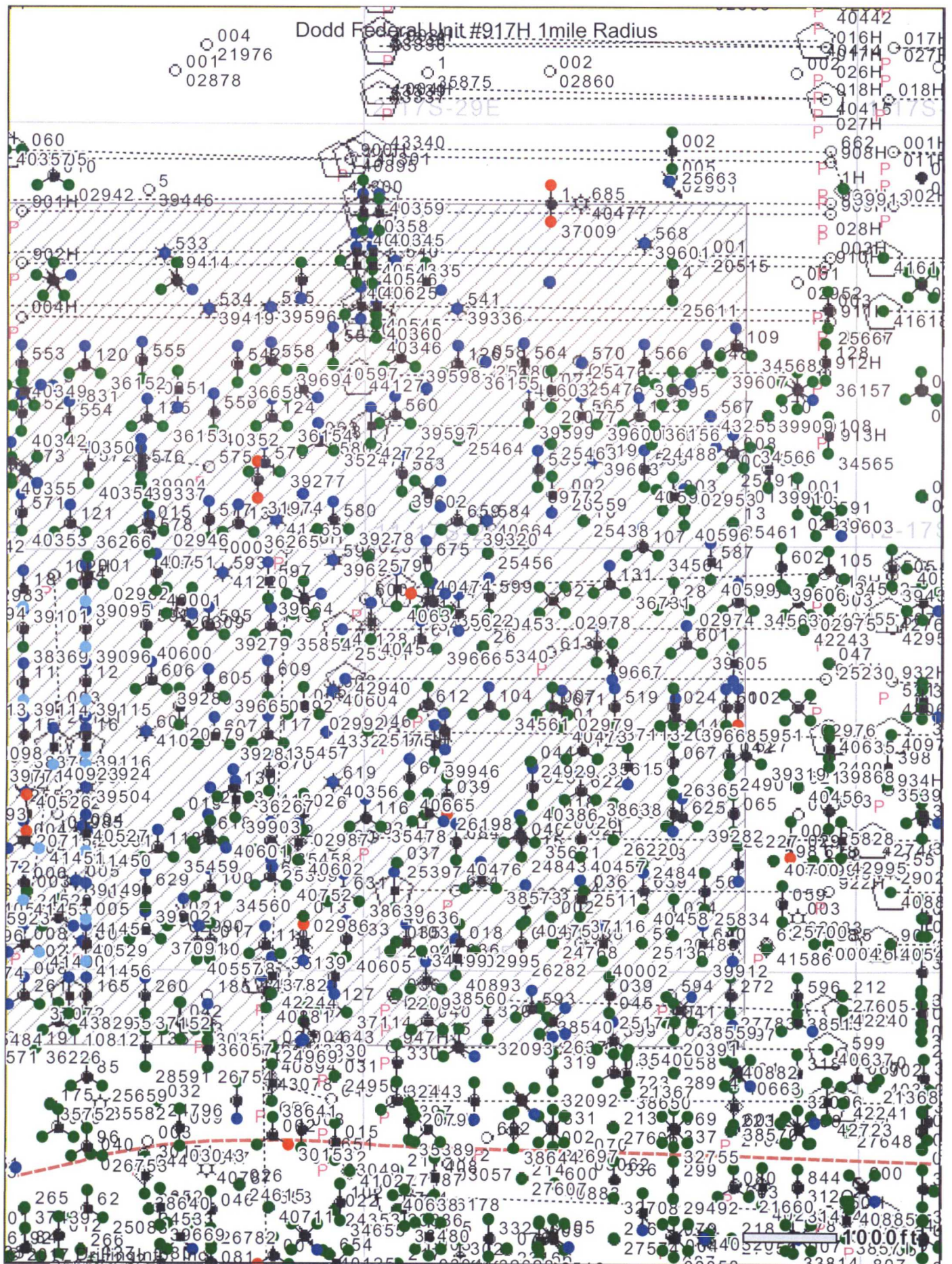
Terra Directional Services LLC
3705 South County Road 1210, Midland, TX 79706
Phone: 432-618-1210

Ground Elevation:: 3612.00
RKB Elevation: KB @ 3630.00usft (Patriot 6)

Northing	Easting	Latitude	Longitude
669009.70	585704.90	32° 50' 19.976 N	104° 3' 15.449 W

PROJECT DETAILS: Eddy County, NM (NAD-27 2015)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

Dodd Federal Unit #917H 1mile Radius



Dodd Federal Unit #917H 1mile Radius List

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Total Depth	Well Type	Well Status	Target Formation
30-015-02991	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	M DODD A	021Y	12/10/82	3,439		11,180	O	Plugged and Abandoned	
30-015-20027	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	M DODD B	19	01/01/70			2,700	O	Plugged and Abandoned	
30-015-20386	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	38	01/01/70			0	I	Plugged and Abandoned	
30-015-20715	BIRD CREEK LLC	EDDY	S:15, T:17S, R:29E	CONOCO STATE	1	01/01/03	0		11,110	O	Inactive	
30-015-21041	H.L. BROWN OPERATING L.L.C. or H L BROWN OPERATING, LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL	1	06/01/01	0		0	G	Plugged and Abandoned	
30-015-22093	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	36	09/01/77	0		3,525	O	Inactive	
30-015-24488	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	BOYD DODD B	6	12/01/84			3,491	O	Inactive	
30-015-24520	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	3	11/01/85			3,400	O	Inactive	
30-015-24616	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	36	03/01/84			3,445	O	Plugged and Abandoned	
30-015-24768	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD A	30	04/01/84			3,467	O	Inactive	
30-015-24842	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	37	05/01/84			3,460	G	Inactive	
30-015-24843	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	40	05/01/85			3,440	O	Inactive	
30-015-24849	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	38	05/01/84			3,450	O	Inactive	
30-015-24901	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	42	10/01/84			3,450	O	Inactive	
30-015-24928	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	47	12/01/84			3,495	PO	Inactive	
30-015-24929	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	44	01/01/85			3,500	O	Inactive	
30-015-24946	MARBOB ENERGY CORP	EDDY	S:22, T:17S, R:29E	M DODD A	34	12/01/84			3,518	O	Inactive	
30-015-24947	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD A	35	10/01/84			3,450	O	Inactive	
30-015-25113	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD A	36	01/01/85			3,493	O	Inactive	
30-015-25136	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	45	01/01/85			4,630	O	Inactive	
30-015-25168	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	49	03/01/85	0		3,522	O	Plugged and Abandoned	
30-015-25175	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	46	03/01/85			4,511	O	Inactive	
30-015-25231	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	48	11/01/85			4,462	O	Plugged and Abandoned	
30-015-25294	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	50	11/01/85			4,533	O	Plugged and Abandoned	
30-015-25340	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	51	12/01/85			5,838	O	Inactive	
30-015-25341	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	M DODD B	52	12/01/85			4,580	O	Inactive	
30-015-25397	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD A	37	11/01/85			4,427	O	Inactive	
30-015-25438	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	M DODD B	53	12/01/85			4,555	O	Inactive	
30-015-25456	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	54	12/01/86			4,560	G	Inactive	
30-015-25461	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	BOYD DODD B	7	01/01/86			4,565	O	Inactive	
30-015-25463	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	M DODD B	55	01/01/86			4,540	O	Inactive	
30-015-25464	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	M DODD B	56	02/01/87			4,517	O	Inactive	
30-015-25611	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	RAPER FEDERAL	1	04/16/86			4,560	O	Inactive	
30-015-25711	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	39	12/31/86			4,600	O	Inactive	
30-015-25790	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	61	12/01/87			4,496	G	Inactive	
30-015-25834	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	64	02/01/88			4,580	O	Inactive	
30-015-26198	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD A	39	09/20/96			11,025	O	Inactive	
30-015-26220	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	66	01/01/90			0	O	Inactive	
30-015-26227	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	65	01/01/90			4,585	O	Inactive	
30-015-26282	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD A	43	06/01/90			4,555	O	Inactive	
30-015-26309	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DELTA WING FEDERAL	1	09/17/96			10,950	D	Salt Water Disposal	

Dodd Federal Unit #917H 1mile Radius List

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Total Depth	Well Type	Well Status	Target Formation
30-015-26359	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	DELTA WING FEDERAL	2	07/01/91			10,910	G	Inactive	
30-015-26365	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B	67	03/10/94			4,535	O	Inactive	
30-015-27783	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	272	03/17/97			4,718	O	Inactive	
30-015-28603	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	M DODD B	570	02/10/99				PO	Unknown	
30-015-31041	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B DEEP FEDERAL	2	03/20/00	5,000		11,185	G	Inactive	
30-015-31557	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DURANGO 15 STATE COM	1	06/21/01			10,900	G	Inactive	
30-015-31974	DOMINION OKLAHOMA TEXAS EXPL. & PROD INC	EDDY	S:10, T:17S, R:29E	DURANGO 10 FEDERAL	1	08/28/01			10,925	G	Inactive	
30-015-32093	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	320	11/06/01			4,540	O	Inactive	
30-015-25359	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:15, T:17S, R:29E	PRE-ONGARD WELL	39	01/01/70				PO	Unknown	
30-015-25476	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:11, T:17S, R:29E	PRE-ONGARD WELL	57	01/01/70				PO	Unknown	
30-015-25480	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:11, T:17S, R:29E	PRE-ONGARD WELL	58	01/01/70				PO	Unknown	
30-015-25491	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:11, T:17S, R:29E	PRE-ONGARD WELL	8	01/01/70				PO	Unknown	
30-015-25531	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:15, T:17S, R:29E	PRE-ONGARD WELL	4	01/01/70				PO	Unknown	
30-015-25532	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:15, T:17S, R:29E	PRE-ONGARD WELL	5	01/01/70				PO	Unknown	
30-015-25802	STEVENS OPERATING CORPORATION or HANAGAN PETROLEUM CORP	EDDY	S:10, T:17S, R:29E	PRE-ONGARD WELL	62	01/01/70				PO	Unknown	
30-015-26375	HANAGAN PETROLEUM CORP	EDDY	S:23, T:17S, R:29E	PRE-ONGARD WELL	1	01/01/70				PO	Unknown	
30-015-02938	HANSON ENERGY	EDDY	S:10, T:17S, R:29E	FEATHERSTONE	001Y	05/01/03	0		0	O	Inactive	
30-015-02940	HANSON ENERGY	EDDY	S:10, T:17S, R:29E	FEATHERSTONE	4	05/01/03	0		0	O	Inactive	
30-015-02941	HANSON ENERGY	EDDY	S:10, T:17S, R:29E	FEATHERSTONE	3	05/01/03	0		0	O	Inactive	
30-015-31041	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	M DODD B DEEP FEDERAL	2	09/30/00			11,185	G	Inactive	
30-015-34499	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	508	12/21/05	5,000		4,520	G	Inactive	
30-015-34560	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	506	12/21/05	5,000		4,500	G	Inactive	
30-015-34561	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	511	12/20/05	5,000		4,550	G	Inactive	
30-015-34563	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	513	12/14/05	5,000		4,562	G	Inactive	
30-015-34564	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	514	12/14/05	5,000		4,550	G	Inactive	
30-015-34566	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	516	12/14/05	5,000		4,550	G	Inactive	
30-015-34568	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	518	11/02/05	5,000		4,550	G	Inactive	
30-015-34593	OXY USA WTP LIMITED PARTNERSHIP	EDDY	S:14, T:17S, R:29E	OXY PACU FEDERAL COM	1	02/03/06	11,000		11,000	G	Unknown	MORROW
30-015-35139	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	507	09/09/06	5,000		5,005	G	Inactive	
30-015-35247	MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	520	11/21/06	5,000		5,000	G	Inactive	
30-015-35400	MARBOB ENERGY CORP	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	977	01/17/07	4,800		4,568	G	Inactive	
30-015-35457	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	529	03/02/07	5,000		4,480	G	Inactive	
30-015-35458	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	530	03/02/07	5,000		5,040	G	Inactive	
30-015-35459	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	532	02/27/07	5,000		4,480	G	Inactive	
30-015-35615	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	525	05/11/07	5,000		5,010	G	Inactive	
30-015-35621	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	526	05/11/07	5,000		4,600	G	Inactive	
30-015-35622	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	523	05/11/07	5,000		5,000	G	Inactive	
30-015-35484	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	G J WEST COOP UNIT	151	03/21/07	5,600		5,628	G	Inactive	

Dodd Federal Unit #917H 1mile Radius List

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Total Depth	Well Type	Well Status	Target Formation
30-015-35655	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	G J WEST COOP UNIT	165	06/07/07	5,600		5,622	G	Inactive	
30-015-35770	OXY USA WTP LIMITED PARTNERSHIP	EDDY	S:10, T:17S, R:29E	OXY SALAMANDER FEDERAL	1	08/23/07	11,000		11,000	G	Plugged and Abandoned	GAS
30-015-31557	DOMINION OKLAHOMA TEXAS EXPL. & PROD INC. or LOUIS DREYFUS NATURAL GAS CORPORATION	EDDY	S:15, T:17S, R:29E	DURANGO "15" STATE COM	1	01/18/01	11,000		10,900	G	Inactive	GAS
30-015-35854	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	551	10/02/07	5,000		4,467	G	Inactive	
30-015-35478	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	528	01/05/07	5,000		4,540	G	Inactive	
30-015-35923	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	G J WEST COOP UNIT	176	11/13/07	5,550		5,555	O	Inactive	
30-015-36057	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	G J WEST COOP UNIT	185	01/22/08	5,450		5,528	G	Inactive	
30-015-36152	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	540	02/26/08	5,000		4,480	G	Inactive	
30-015-36153	MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	541	02/26/08	5,000		5,000	G	Inactive	
30-015-36156	MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	546	02/26/08	5,000		5,700	G	Inactive	
30-015-36154	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	543	02/26/08	5,000		5,000	G	Inactive	
30-015-36155	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	545	02/26/08	5,000		5,000	G	Inactive	
30-015-36267	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	548	04/01/08	5,000		5,020	G	Inactive	
30-015-36265	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	536	01/03/08	5,000		5,010	G	Inactive	
30-015-36266	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	537	04/01/08	5,000		5,000	G	Inactive	
30-015-36416	MEWBOURNE OIL COMPANY	EDDY	S:14, T:17S, R:29E	PACU 14 FED COM	1	07/01/08	11,000		10,970	G	Plugged and Abandoned	MORROW
30-015-36658	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	542	07/11/08	5,000		5,000	O	Inactive	
30-015-36731	MARBOB ENERGY CORPORATION or MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	524	10/18/08	5,000		5,010	G	Inactive	
30-015-37072	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	G J WEST COOP UNIT	261	05/15/09	5,550		5,507	G	Inactive	
30-015-37072	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	G J WEST COOP UNIT	261	05/15/09	5,550		5,507	G	Inactive	
30-015-37091	MARBOB ENERGY CORP	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	531	05/19/09	5,000		5,000	G	Inactive	
30-015-37113	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	519	06/10/09	5,000		5,000	O	Inactive	
30-015-37114	MARBOB ENERGY CORP	EDDY	S:22, T:17S, R:29E	DODD FEDERAL UNIT	505	06/10/09	5,000		5,000	G	Inactive	
30-015-37116	MARBOB ENERGY CORP	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	510	06/10/09	5,000		5,651	G	Inactive	
30-015-37152	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	G J WEST COOP UNIT	260	07/09/09	5,550		5,524	G	Inactive	
30-015-37293	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	G J WEST COOP UNIT	268	09/30/09	5,550		5,508	G	Inactive	
30-015-37572	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	G J WEST COOP UNIT	271	02/10/10	5,550		5,536	G	Inactive	
30-015-37574	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	G J WEST COOP UNIT	273	02/10/10	5,550		5,560	G	Inactive	
30-015-37831	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	EMPIRE FEDERAL SWD	3	05/05/10	9,200		9,200	G	Inactive	
30-015-38369	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	7	01/03/11	5,500		5,510	G	Inactive	
30-015-38370	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	15	01/03/11	5,500		5,523	G	Inactive	
30-015-38540	COG OPERATING LLC	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	593	02/22/11	4,800		4,578	G	Inactive	
30-015-38559	COG OPERATING LLC	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	594	02/24/11	4,807	4,800	4,821	G	Inactive	
30-015-38560	COG OPERATING LLC	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	592	02/24/11	4,829	4,800	5,031	G	Inactive	
30-015-38573	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	634	03/01/11	5,470	5,450	4,565	G	Inactive	
30-015-38638	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	622	03/14/11	4,550		4,571	G	Inactive	
30-015-38639	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	631	03/14/11	4,550		4,554	G	Inactive	
30-015-39094	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	2	06/01/11	5,600		5,640	G	Inactive	SR-Q-G-SA

Dodd Federal Unit #917H 1mile Radius List

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Total Depth	Well Type	Well Status	Target Formation
30-015-39095	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	4	05/31/11	5,600		5,612	G	Inactive	SR-Q-G-SA
30-015-39096	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	8	06/01/11	5,600		5,630	G	Inactive	SR-Q-G-SA
30-015-39098	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	14	05/31/11	5,600		5,633	G	Inactive	SR-Q-G-SA
30-015-39101	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	18	05/31/11	5,600		5,545	G	Inactive	SR-Q-G-SA
30-015-39113	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	10	06/08/11	5,600		5,634	G	Inactive	SR-Q-G-SA
30-015-39114	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	11	06/08/11	5,600		5,630	G	Inactive	SR-Q-G-SA
30-015-39115	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	12	06/08/11	5,600		5,620	G	Inactive	SR-Q-G-SA
30-015-39116	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	16	06/08/11	5,600		5,610	G	Inactive	SR-Q-G-SA
30-015-39135	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CONTINENTAL STATE	6	06/14/11	5,600		5,635	G	Inactive	SR-Q-G-SA
30-015-39148	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3ROC	4	06/21/11	5,500		5,500	G	Unknown	7RVS-QN-GB-GLORIETA-YESO
30-015-39149	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3ROC	5	06/21/11	5,500		5,500	G	Unknown	7RVS-QN-GB-GLORIETA-YESO
30-015-39150	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3ROC	8	06/21/11	5,500		5,500	G	Unknown	7RVS-QN-GB-GLORIETA-YESO
30-015-39277	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	579	08/01/11	4,530		4,492	G	Inactive	SR-Q-G-SA
30-015-39278	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	580	08/01/11	4,550		4,482	G	Inactive	SR-Q-G-SA
30-015-39279	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	595	08/01/11	5,500		4,470	G	Inactive	SR-Q-G-SA
30-015-39280	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	606	08/01/11	5,500		4,480	G	Inactive	SR-Q-G-SA
30-015-39281	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	607	08/03/11	4,550		4,481	G	Inactive	SR-Q-G-SA
30-015-39282	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	625	08/03/11	4,550		4,535	G	Inactive	SR-Q-G-SA
30-015-39319	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	627	08/04/11	4,550		4,566	G	Inactive	SR-Q-G-SA
30-015-39320	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	659	08/04/11	4,550		4,574	G	Inactive	SR-Q-G-SA
30-015-39335	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	540	08/12/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39336	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	541	08/12/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39337	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	576	08/11/11	4,550		4,545	G	Inactive	SR-Q-G-SA
30-015-39414	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	533	09/13/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39419	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	534	09/13/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39504	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3ROC	1	10/17/11	5,500		5,500	G	Unknown	7RVS-QN-GB-GLORIETA-YESO
30-015-39596	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	535	10/27/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39601	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	568	10/27/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39602	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	583	10/27/11	4,550		4,610	G	Inactive	SR-Q-G-SA
30-015-39604	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	596	10/27/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39605	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	601	10/27/11	4,550		4,560	G	Inactive	SR-Q-G-SA
30-015-39607	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	648	10/27/11	4,550		4,586	G	Inactive	SR-Q-G-SA
30-015-39597	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	560	10/27/11	4,550		4,567	G	Inactive	SR-Q-G-SA
30-015-39598	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	561	10/27/11	4,550		4,590	G	Inactive	SR-Q-G-SA
30-015-39599	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	563	10/27/11	4,550		4,583	G	Inactive	SR-Q-G-SA
30-015-39600	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	565	10/27/11	4,550		4,577	G	Inactive	SR-Q-G-SA
30-015-39663	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	519	10/28/11	4,550		4,550	G	Unknown	SR-Q-G-SA
30-015-39664	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	597	10/28/11	4,550		4,568	G	Inactive	SR-Q-G-SA
30-015-39665	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	605	10/28/11	4,550		4,584	G	Inactive	SR-Q-G-SA
30-015-39666	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	611	10/28/11	4,550		4,565	G	Inactive	SR-Q-G-SA
30-015-39667	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	613	10/28/11	4,590	4,550	4,580	G	Inactive	SR-Q-G-SA
30-015-39668	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	614	10/28/11	4,550		4,575	G	Inactive	SR-Q-G-SA
30-015-39694	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	558	11/21/11	4,550		4,600	G	Inactive	SR-Q-G-SA
30-015-39695	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	566	11/21/11	4,550		4,591	G	Inactive	SR-Q-G-SA
30-015-39772	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	585	12/08/11	4,550		4,560	G	Inactive	SR-Q-G-SA
30-015-39771	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3ROC	9	12/13/11	9,450		9,450	G	Completed	CISCO-CANYON, GLORIETA-YESO
30-015-39902	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	629	01/30/12	4,550		4,579	G	Inactive	SR-Q-G-SA
30-015-39903	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	667	01/30/12	4,574	4,550	4,618	G	Inactive	SR-Q-G-SA
30-015-39904	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	575	01/30/12	4,631	4,550	4,651	G	Inactive	SR-Q-G-SA
30-015-39912	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	640	01/25/12	4,550		4,581	G	Inactive	SR-Q-G-SA

Dodd Federal Unit #917H 1mile Radius List

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Total Depth	Well Type	Well Status	Target Formation
30-015-39946	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	612	02/08/12	4,579	4,550	4,588	G	Inactive	SR-Q-G-SA
30-015-40000	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	577	02/28/12	4,550		4,430	G	Inactive	SR-Q-G-SA
30-015-40001	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	594	02/28/12	4,550		4,558	G	Inactive	SR-Q-G-SA
30-015-40002	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	638	02/27/12	4,561	4,550	4,565	G	Inactive	SR-Q-G-SA
30-015-40342	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	552	05/23/12	4,400		4,426	G	Inactive	GLORIETA-UPPER YESO
30-015-40343	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	002H	05/23/12	7,517	4,100	7,480	G	Inactive	GLORIETA-UPPER YESO
30-015-40344	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT 10	004H	05/23/12	8,095	4,700	8,095	G	Unknown	GLORIETA-UPPER YESO
30-015-40345	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT 11	002H	05/23/12	8,799	4,200	8,717	G	Inactive	GLORIETA-UPPER YESO
30-015-40346	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT 11	004H	05/23/12	9,425	4,800	9,331	G	Inactive	GLORIETA-UPPER YESO
30-015-40349	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	553	05/23/12	4,400		4,410	G	Inactive	GLORIETA-UPPER YESO
30-015-40350	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	554	05/23/12	4,400		4,416	G	Inactive	GLORIETA-UPPER YESO
30-015-40351	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	555	05/23/12	4,400		4,421	G	Inactive	GLORIETA-UPPER YESO
30-015-40352	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	556	05/23/12	4,400		4,403	G	Inactive	GLORIETA-UPPER YESO
30-015-40353	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	571	05/23/12	4,400		4,440	G	Inactive	GLORIETA-UPPER YESO
30-015-40354	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	572	05/23/12	4,400		4,445	O	Inactive	GLORIETA-UPPER YESO
30-015-40355	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	573	05/23/12	4,400		4,453	O	Completed	GLORIETA-UPPER YESO
30-015-40356	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	619	05/23/12	4,550		4,550	G	Unknown	GLORIETA-UPPER YESO
30-015-40360	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	SUBMARINE 11 FEDERAL COM	004H	05/23/12	9,925	5,300	9,810	O	Inactive	GLORIETA-UPPER YESO
30-015-40386	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	623	06/05/12	4,585	4,550	4,578	G	Inactive	GLORIETA-UPPER YESO
30-015-40453	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	599	07/06/12	4,550		4,563	G	Inactive	GLORIETA-UPPER YESO
30-015-40454	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	600	07/06/12	4,564	4,550	4,606	G	Inactive	GLORIETA-UPPER YESO
30-015-40457	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	624	07/06/12	4,550		4,577	G	Completed	GLORIETA-UPPER YESO
30-015-40458	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	639	07/06/12	4,550		4,551	G	Completed	GLORIETA-UPPER YESO
30-015-40473	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	671	07/10/12	4,550		4,575	G	Inactive	GLORIETA-UPPER YESO
30-015-40474	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	675	07/10/12	4,550		4,576	O	Completed	GLORIETA-UPPER YESO
30-015-40475	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	683	07/10/12	4,550		4,575	O	Completed	GLORIETA-UPPER YESO
30-015-40476	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	684	07/10/12	4,550		4,553	G	Completed	GLORIETA-UPPER YESO
30-015-40526	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3 ROC	2	07/30/12	5,500		5,500	G	Unknown	SR-Q-G-SA
30-015-40527	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3 ROC	3	07/30/12	5,500		5,500	G	Unknown	SR-Q-G-SA
30-015-40528	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3 ROC	6	07/30/12	5,500		5,500	G	Unknown	SR-Q-G-SA
30-015-40529	THREE RIVERS OPERATING COMPANY LLC	EDDY	S:15, T:17S, R:29E	STATE 151729 3 ROC	7	07/30/12	5,500		5,500	G	Unknown	SR-Q-G-SA
30-015-40541	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	SIDEMARINE 10 FEDERAL	1H	07/26/12	9,123	4,700	9,123	G	Unknown	GLORIETA-UPPER YESO
30-015-40542	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	SIDEMARINE 10 FEDERAL	2H	07/26/12	9,117	4,700	9,076	G	Inactive	GLORIETA-UPPER YESO
30-015-40543	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	SUBMARINE 10 FEDERAL COM	003H	07/26/12	9,868	5,200	9,894	G	Inactive	GLORIETA-UPPER YESO, EAST,
30-015-40545	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	SUBMARINE 10 FEDERAL COM	004H	07/26/12	9,914	5,200	9,941	G	Inactive	GLORIETA-UPPER YESO
30-015-40546	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	SUBMARINE 11 FEDERAL COM	003H	07/26/12	9,972	5,300	9,869	G	Inactive	GLORIETA-UPPER YESO
30-015-40557	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	630	07/27/12	4,450		4,452	G	Completed	GLORIETA-UPPER YESO
30-015-40595	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	510	08/07/12	4,550		4,559	G	Inactive	GLORIETA-UPPER YESO
30-015-40596	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	521	08/07/12	4,550		4,561	G	Inactive	GLORIETA-UPPER YESO
30-015-40597	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	557	08/07/12	4,400		4,440	G	Inactive	GLORIETA-UPPER YESO
30-015-40598	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	586	08/08/12	4,550		4,551	O	Completed	GLORIETA-UPPER YESO
30-015-40599	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	587	08/08/12	4,550		4,557	O	Completed	GLORIETA-UPPER YESO
30-015-40600	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	592	08/08/12	4,450		4,490	G	Completed	GLORIETA-UPPER YESO
30-015-40601	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	618	08/08/12	4,550		4,550	O	Completed	GLORIETA-UPPER YESO
30-015-40602	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	620	08/08/12	4,569	4,550	4,555	G	Completed	GLORIETA-UPPER YESO
30-015-40603	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	564	08/08/12	4,550		4,580	G	Inactive	GLORIETA-UPPER YESO
30-015-40604	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	608	08/08/12	4,450		4,450	G	Unknown	GLORIETA-UPPER YESO
30-015-40605	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	633	08/08/12	4,450		4,477	G	Completed	GLORIETA-UPPER YESO
30-015-40624	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	902	07/26/12	8,049	4,700	8,008	O	Completed	GLORIETA-UPPER YESO

Dodd Federal Unit #917H 1mile Radius List

API#	Operator	County	Legal	Lease	Well#	Date Issued	Permitted Depth	Permit TVD	Total Depth	Well Type	Well Status	Target Formation
30-015-40625	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	910H	07/26/12	9,469	4,800	9,276	G	Inactive	GLORIETA-UPPER YESO
30-015-40634	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	916H	08/28/12	9,272	4,778	9,221	G	Inactive	GLORIETA-UPPER YESO
30-015-40636	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	922H	08/28/12	9,269	4,778	9,275	G	Inactive	GLORIETA-UPPER YESO
30-015-40664	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	584	09/05/12	4,550		4,550	G	Unknown	GLORIETA-UPPER YESO
30-015-40665	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	677	09/05/12	4,550		4,554	O	Completed	GLORIETA-UPPER YESO
30-015-40751	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	578	09/21/12	4,400		4,420	G	Completed	GLORIETA-UPPER YESO
30-015-40752	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	632	09/21/12	4,450		4,460	O	Completed	GLORIETA-UPPER YESO
30-015-40881	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	DODD FEDERAL UNIT	642	12/05/12	4,551	4,550	4,578	G	Inactive	GLORIETA-UPPER YESO
30-015-40882	COG OPERATING LLC	EDDY	S:23, T:17S, R:29E	BURCH KEELY UNIT	597	12/05/12	4,800		4,767	O	Completed	GLORIETA-UPPER YESO
30-015-40892	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	609	12/07/12	4,550		4,565	O	Completed	GLORIETA-UPPER YESO
30-015-40893	COG OPERATING LLC	EDDY	S:14, T:17S, R:29E	DODD FEDERAL UNIT	636	12/07/12	4,556	4,550	4,581	O	Completed	GLORIETA-UPPER YESO
30-015-40923	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC 15 STATE	001H	12/21/12	7,009		5,478	U	Completed	GLORIETA-YESO, EAST
30-015-40924	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC 15 STATE	002H	12/21/12	6,990		5,410	U	Completed	GLORIETA-YESO, EAST
30-015-41026	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	604	01/23/13	4,450		4,450	G	Unknown	GLORIETA-UPPER YESO
30-015-41220	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	593	03/13/13	4,450		4,450	G	Unknown	GLORIETA-UPPER YESO
30-015-41302	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FED UNIT	670	04/26/13	4,450		4,570	G	Completed	GLORIETA-UPPER YESO
30-015-41465	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	574	06/04/13	4,400		4,400	G	Unknown	GLORIETA-UPPER YESO
30-015-41450	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC STATE	3	06/20/13	5,450		5,450	U	Completed	GLORIETA-YESO
30-015-41451	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC STATE	4	06/20/13	5,450		5,450	U	Completed	GLORIETA-YESO
30-015-41452	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC STATE	5	06/20/13	5,450		5,463	U	Completed	GLORIETA-YESO
30-015-41453	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC STATE	6	06/20/13	5,450		5,446	U	Completed	GLORIETA-YESO
30-015-41456	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC STATE	7	06/20/13	5,450		5,450	U	Completed	GLORIETA-YESO
30-015-41490	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	CADILLAC STATE	8	06/27/13	5,450		5,450	U	Completed	GLORIETA-YESO
30-015-42244	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	DODD FEDERAL UNIT	926H	03/19/14	9,993	4,766	9,951	O	Completed	GLORIETA-UPPER YESO
30-015-42722	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	913H	10/03/14	9,565	4,824	9,520	G	Completed	GLORIETA-UPPER YESO
30-015-42940	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	918H	01/27/15	9,771	4,770	9,771	PO	Unknown	GLORIETA-UPPER YESO
30-015-43255	COG OPERATING LLC	EDDY	S:11, T:17S, R:29E	DODD FEDERAL UNIT	567	07/21/15	4,550		4,550	PO	Active Permit	GLORIETA-UPPER YESO
30-015-43329	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	610	08/17/15	4,550		4,550	PO	Active Permit	GLORIETA-UPPER YESO
30-015-43330	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	DODD FEDERAL UNIT	643	08/14/15	4,569	4,550	4,569	PO	Active Permit	GLORIETA-UPPER YESO
30-015-43782	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	DODD FEDERAL UNIT	930H	05/10/16	9,437	4,725	9,437	PO	Active Permit	GLORIETA-UPPER YESO
30-015-43829	COG OPERATING LLC	EDDY	S:22, T:17S, R:29E	CADILLAC 15 STATE	102H	06/23/16	9,784		9,707	U	Completed	7RV5-QN-GB-GLORIETA-YESO
30-015-44127	COG OPERATING LLC	EDDY	S:10, T:17S, R:29E	DODD FEDERAL UNIT	912H	04/07/16	9,601	4,722	9,601	PO	Active Permit	GLORIETA-UPPER YESO
30-015-44128	COG OPERATING LLC	EDDY	S:15, T:17S, R:29E	DODD FEDERAL UNIT	917H	04/07/17	9,816	4,769	9,816	PO	Active Permit	GLORIETA-UPPER YESO

Lowe, Leonard, EMNRD

From: Robyn Russell <Rrussell@concho.com>
Sent: Wednesday, May 10, 2017 7:52 AM
To: Lowe, Leonard, EMNRD
Cc: Jones, William V, EMNRD
Subject: RE: First and last Perf: NSL Application for Dodd Federal Unit No. 917H
Attachments: Dodd Federal Unit 917H C102.pdf

Dear Mr. Lowe,

Attached is the revised C102 for this NSL application. Please let me know if you need anything else for approval of this application.

Thank you,

Robyn Russell
Regulatory Analyst
(432) 685-4385

From: Lowe, Leonard, EMNRD [mailto:Leonard.Lowe@state.nm.us]
Sent: Monday, May 08, 2017 5:41 PM
To: Robyn Russell
Cc: Jones, William V, EMNRD
Subject: [External] First and last Perf: NSL Application for Dodd Federal Unit No. 917H
Importance: High

**** External email. Use caution. ****

Robyn Russell,

Good afternoon,

OCD has received your NSL application for the above subject well.

Your application is NOT clear in specifying the First and Last take points of your NSL request.

Your application is currently suspended until a complete application is received at the OCD Santa Fe office. Additional information may be sent to this e-mail.

The information below was taken from our NSL/NSP Administrative Application Instructions, attached to our Administrative Application online.

Lowe, Leonard, EMNRD

From: Lowe, Leonard, EMNRD
Sent: Monday, May 8, 2017 4:41 PM
To: 'Russell@concho.com'
Cc: Jones, William V, EMNRD
Subject: First and last Perf: NSL Application for Dodd Federal Unit No. 917H

Importance: High

Robyn Russell,

Good afternoon,

OCD has received your NSL application for the above subject well.

Your application is NOT clear in specifying the First and Last take points of your NSL request.

Your application is currently suspended until a complete application is received at the OCD Santa Fe office. Additional information may be sent to this e-mail.

The information below was taken from our NSL/NSP Administrative Application Instructions, attached to our Administrative Application online.

Provide the following information:

- 1) A signed "Administrative Application Checklist"
- 2) A statement/letter indicating;
 - a) Reason for the NSL/NSP request
 - b) API number and well information
 1. SHL
 2. FTP
 3. LTP
 4. BHL
- 3) Pool name and Pool code
- 4) C-102
- 5) Plat surrounding spacing unit
- 6) Ensure proper "Public Notice" was given to all affected parties

I will be out of the office tomorrow, Tuesday May 9, 2017. I will be in the office on Wednesday, May 10, 2017.



CONCHO

May 19, 2017

New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: **Dodd Federal Unit #917H NSL**

To Whom It May Concern,

COG Operating LLC respectfully requests approval of a non-standard project area for the following wells:

Dodd Federal Unit #917H - API# 3001544128
SHL: 1035 FNL 230 FEL, UL A, Sec 15, T17S, R29E
BHL: 990 FNL 10 FEL, UL A, Sec 14, T17S, R29E
TVD: 4850'

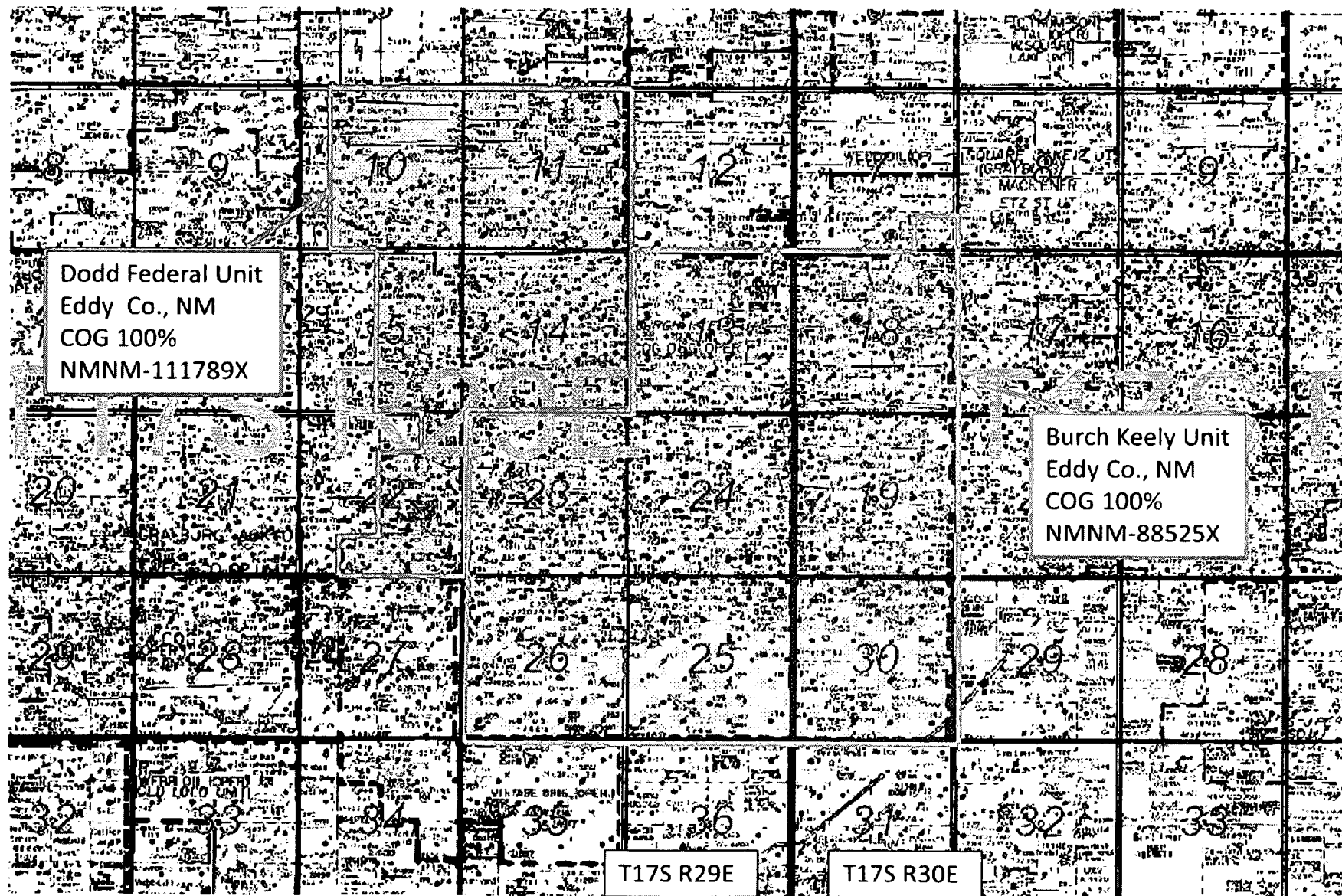
The purpose of this NSL request is to satisfy the approved BLM Sundry for drilling to 990' FNL and 10' FEL. The granting of this NSL will optimize the completed lateral length of this wellbore, reducing waste while protecting correlative rights, and improving well economics and increasing revenue to the State of New Mexico and the federal government.

Attached to this application is a plat showing this well's location, a map and legend of offset wells within 1 mile and an updated land plat showing that COG Operating LLC owns and operates the offset Yeso wells in UL A & H of Sec 15, T17S, R29E; UL D & E of Sec 13, T17S, R29E. All interests are the same in these offsets and no notification is needed.

Please contact me should you have any questions.

Sincerely,

Robyn Russell
Regulatory Analyst
COG Operating, LLC
(432) 685-4385
Russell@concho.com



Dodd Federal Unit
Eddy Co., NM
COG 100%
NMNM-111789X

Burch Keely Unit
Eddy Co., NM
COG 100%
NMNM-88525X

T17S R29E

T17S R30E



Memorandum

To: Michael McMillan
Engineering Bureau
New Mexico Oil Conservation Division

From: Bryan Montgomery
Reservoir Engineering Supervisor, NM Shelf Team
COG Operating LLC

Date: May 22, 2017

Subject: Dodd Federal Unit #917H NSL Engineer Statement

COG Operating LLC (COG) is requesting a non-standard location exception (NSL) for this horizontal well to be able to access and drain Yeso reserves that would otherwise be left in the reservoir, thereby preventing waste of an economic resource. The Yeso is a very low permeability reservoir that does not sufficiently drain a great distance from wellbores and their hydraulic fractures. In addition, it would not be economical to try to access these reserves with a vertical well.

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Time: 09:40 AM

Page 1 of 2

Run Date: 05/19/2017

01-02-25-1920;041STAT0437;30USC181

Case Type 318220: O&G SECONDARY UNIT

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Total Acres

5,129.440

Serial Number

NMNM-- - 088525X

Serial Number: NMNM-- - 088525X

Name & Address			Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD	0.000000000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATOR	100.000000000

Serial Number: NMNM-- - 088525X

Mer Twp Rng Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0170S 0290E 012	ALIQ		SESE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 013	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 023	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 024	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 025	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 026	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 018	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 019	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0300E 030	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 088525X

Act Date	Code	Action	Action Remark	Pending Office
06/03/1993	387	CASE ESTABLISHED	DESIGNATION RECEIVED	
06/03/1993	500	GEOGRAPHIC NAME	BURCH-KEELY;	
06/23/1993	519	AGRMT/EXPANSION DESIG	AGREEMENT	
07/08/1993	680	AGREEMENT FILED		
07/19/1993	334	AGRMT APPROVED		
08/01/1993	516	FORMATION	/B/	
08/01/1993	526	ACRES-FED INT 100%	5129.44;100.00%	
08/01/1993	868	EFFECTIVE DATE	/A/ UNIT AGREEMENT	
08/20/1993	974	AUTOMATED RECORD VERIF	MO/MO	
07/01/1994	600	RECORDS NOTED		
02/23/1995	421	PLAN OPER/EXPL/DEV FILED	/1/	
02/28/1995	422	PLAN OPER/EXPL/DEV APPV	/1/	
10/01/2010	672	SUCCESSOR OPERATOR	MARBOB/COG	
01/31/2011	519	AGRMT/EXPANSION DESIG	/C/	

Serial Number: NMNM-- - 088525X

Line Nr	Remarks
0002	/A/ EXHIBIT C EFFECTIVE 08/01/1993
0003	LEASE SERIAL NO TR# PH 1% PH 2% PH 3%
0004	NMLC 0 28784A 1 9.72270
0005	NMLC 0 28793A 2 12.68260
0006	NMLC 0 28784B 3A 15.95490
0007	NMLC 0 28784B 3B 14.45700
0008	NMLC 0 28793C 4 20.35470
0009	NMLC 0 28784C 5 25.98970
0010	NMLC 0 54406 6 .83840
0011	/B/ UNITIZATION WILL BE LIMITED TO THE FOLLOWING

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Time: 09:40 AM

Page 2 of 2

Run Date: 05/19/2017

0012 INTERVAL: THAT INTERVAL UNDERLYING THE UNIT AREA,
0013 THE VERTICAL LIMITS OF WHICH EXTEND FROM THE TOP OF
0014 THE SEVEN RIVERS FORMATION TO THE BASE OF THE SAN
0015 ANDRES FORMATION OR 5,000' BENEATH THE SURFACE,
0016 WHICHEVER IS THE LESSER. THE UNITIZED FORMATION
0017 WAS EXPANDED, EFFECTIVE AS OF FEBRUARY 22, 1994, TO
0018 INCLUDE THE TOP 500 FEET OF THE PADDOCK FORMATION.
0019 /C/ UNIT TO COMPRISE THAT INTERVAL UNDERLYING THE
0020 UNIT AREA FROM THE TOP OF THE SEVEN RIVERS TO A TRUE
0021 VERTICAL DEPTH OF 5000 FEET BELOW THE SURFACE.
0022 EFFECTIVE 01/31/2001.

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Time: 09:41 AM

Page 1 of 2

Run Date: 05/19/2017

01 02-25-1920;041STAT0437;30USC181

Case Type 318220: O&G SECONDARY UNIT

Commodity 459: OIL & GAS

Case Disposition: AUTHORIZED

Total Acres
2,400.000

Serial Number
NMNM-- - 111789X

Serial Number: NMNM-- - 111789X

Name & Address			Int Rel	% Interest
BLM CARLSBAD FO	620 E GREENE ST	CARLSBAD NM 88220	OFFICE OF RECORD	0.000000000
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATOR	100.000000000

Serial Number: NMNM-- - 111789X

Mer Twp. Rng Sec.	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0170S 0290E 010	ALIQ		E2,E2W2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 011	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 014	ALL		ENTIRE SECTION	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 015	ALIQ		E2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0170S 0290E 022	ALIQ		E2NE,SWNE,SESW,SE;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 111789X

Act Date	Code	Action	Action Remark	Pending Office
08/11/2004	387	CASE ESTABLISHED	DESIGNATION RECEIVED	
08/11/2004	500	GEOGRAPHIC NAME	DODD FEDERAL;	
08/13/2004	519	AGRMT/EXPANSION DESIG	AGREEMENT	
08/13/2004	974	AUTOMATED RECORD VERIF	MO	
12/21/2004	680	AGREEMENT FILED		
01/01/2005	516	FORMATION	/B/	
01/01/2005	526	ACRES-FED INT 100%	2400.00;100.00%	
01/01/2005	690	AGRMT VALIDATED		
01/01/2005	868	EFFECTIVE DATE	/A/UNIT AGREEMENT	
01/05/2005	334	AGRMT APPROVED		
01/06/2005	974	AUTOMATED RECORD VERIF	MO	
10/01/2010	672	SUCCESSOR OPERATOR	MARBOB/COG	

Serial Number: NMNM-- - 111789X

Line Nr	Remarks
0002	/A/EXHIBIT C EFFECTIVE 01/01/2005
0003	LEASE SERIAL NO TR# PH 1 % PH 2 % PH 3 %
0004	NMLC 0 28731A 1 .40140
0005	NMLC 0 28731A 1A .14329
0006	NMLC 0 28731B 2 .38974
0007	NMLC 0 58362 3 .03977
0008	NMNM 0 16786 4 .02581
0009	TR4,17S,29E,S11,NE
0010	/B/WATERFLOODING WILL BE LIMITED TO THE FOLLOWING
0011	INTERVAL: THAT INTERVAL UNDERLYING THE UNIT AREA,
0012	THE VERTICAL LIMITS OF WHICH EXTEND FROM THE TOP OF
0013	THE SEVEN RIVERS FORMATION TO THE BASE OF THE
0014	YESO/PADDOCK FORMATION AS REFLECTED ON THE SPECTRAL
0015	DENSITY DUAL SPACED NEUTRON LOG FOR THE MARBOB
0016	ENERGY CORPORATION'S MARY DODD "B" DEEP NO. 2 WELL

NO WARRANTY IS MADE BY BLM FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page

Run Time: 09:41 AM

Page 2 of 2

Run Date: 05/19/2017

0017	LOCATED 1980 FSL AND 1295 FEL OF SECTION 14,
0018	T. 17 S., R. 29 E., NMPM, EDDY COUNTY, NEW MEXICO.
0019	ALL LEASES AND INTERESTS FULLY COMMITTED BY
0020	STATUTORY ORDER NBR R-12228.
0021	LEASE NMNM125007 ADDED TO CASE; WAS SEGREGATED OUT
0022	OF NMNM016786 1/1/2005 BUT NOT ADDED TO CASE
0023	LETTER FILE WITH UNIT AGREEMENT 01/26/2012
0024	CLARIFICATION OF THE VERTICAL DEPTH OF THE UNIT
0025	ALL PARTIE INVOLVED HAVE SIGNED/AGRT TO THE FOLLOW:
0026	UNIT EXTENDS FROM THE TOP OF THE SEVEN RIVERS
0027	FORMATION TO A SUBSURFACE DEPTH OF 5,000 FEET