

DATE IN 6.7.12	SUSPENSE	ENGINEER DB	LOGGED IN 6.7.12	TYPE NSL	APP NO. 1216027665
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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



C 06 229137

Packet 13 Fed Com #64

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 _____

2012 JUL 7 11:05
 RECEIVED OGD
 B-13-17S-31E
 Fed/Eddy

[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

6-6-12
 Date

(432) 685-4384
 Phone Number

kholly@concho.com
 E-mail Address

**Puckett 13 Federal Com #6H
Eddy County, NM**

Fren; Glorieta-Yeso, East oil well
TVD of approximately 6600'

Non-standard location due to a Road too close to original location.

SHL: 36' FNL & 1627' FEL
BHL: 330' FSL & 1650' FEL

Sec 13, T17S, R31E, Unit B
Sec 13, T17S, R31E, Unit O

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 similar to the

Willow State #8
330 FSL & 1650 FEL, Section 16, T17S, R31E, UL O
drilled in March 2006

The Willow State #8 Yeso completion has overall perforations from 5380.5' – 5845.5', but is divided into 2 perf/stimulation intervals. At this time, we assume the Skelly Unit 605 will be very similar.

1st Interval: 5650' – 5845.5', 67 total holes.
acidized w/ 2265 gals acid,
frac'd w/ 8000# LiteProp, 30,000 gals 30# gel, 54,663 gals 40# gel, & 90,560#
16/30 sand

2nd Interval: 5380.5' – 5544', 56 total holes.
acidized w/ 2550 gals acid,
frac'd w/ 8006# LiteProp, 30,000 gals 30# gel, 53,000 gals 40# gel, & 91,740#
16/30 sand

Attachment 1
Plat and map

Attachment 2
Map and legend of offset wells.

Attachment 3
Updated land plat showing that COG owns offset acreage.
The acreage we are encroaching on is the NE/4 NE/4 of Section 13 and SE/4
SE/4 of Section 12.

Interests are common.

COG Operating LLC respectfully requests permission to have this NSL approved.

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III

1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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 August 1, 2011

Submit one copy to appropriate
District Office

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 97213	Pool Name <i>under</i> Fren; Glorieta Yeso, East
Property Code	Property Name PUCKETT 13 FEDERAL COM	Well Number 6H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3963'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	13	17-S	31-E		36	NORTH	1627	EAST	EDDY

Bottom Hole Location If Different From Surface

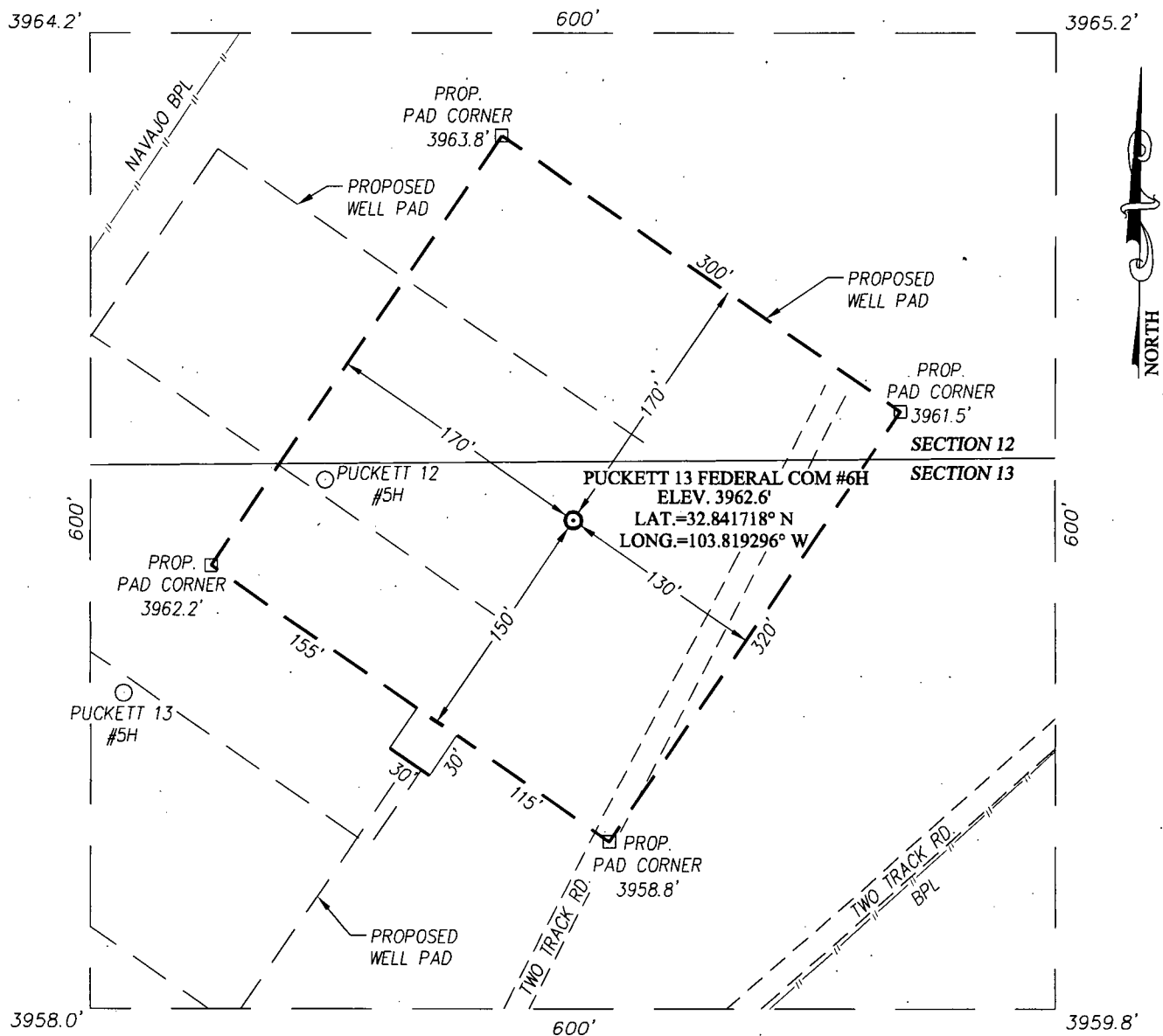
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	17-S	31-E		330	SOUTH	1650	EAST	EDDY

Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

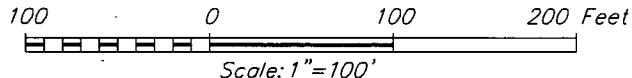
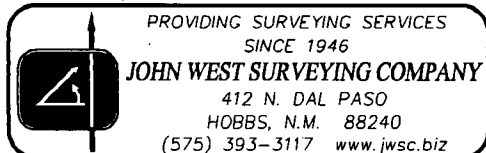
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=670312.4 N X=657876.9 E LAT.=32.841718° N LONG.=103.819296° W BOTTOM HOLE LOCATION Y=665398.5 N X=657882.2 E CORNER COORDINATES TABLE Ⓐ - Y=670340.7 N, X=656865.1 E Ⓑ - Y=670350.6 N, X=658184.2 E Ⓒ - Y=665061.6 N, X=656892.2 E Ⓓ - Y=665070.9 N, X=658213.0 E	Estimated Completed Interval: 330 FNL + 1428 FEL DETAIL 3964.2' 3965.2' 600' 3958.0' 3959.8' GRID: AZ. = 179°56'16" HORIZ. DIST. = 4915.2' 330' 1650'	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> 6-6-12 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. FEBRUARY 24, 2012 Date of Survey <i>[Signature]</i> Signature & Seal of Professional Surveyor 3239 Certificate Number Gary G. Eidson 12641 Ronald J. Eidson 3239 AF JWSC W.O.: 11.11.2409
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SECTION 13, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY **NEW MEXICO**



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #224 (RIPPLE RD.) GO NORTHEAST ON U.S. HWY. #82 APPROX. 0.6 MILES. TURN LEFT AND GO NORTHWEST APPROX. 0.1 MILES. TURN RIGHT AND GO NORTHEAST APPROX. 230 FEET. THE LOCATION STAKE IS APPROX. 390 FEET NORTH OF THE LEASE ROAD.



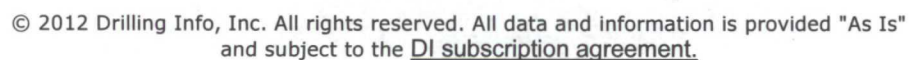
COG OPERATING, LLC

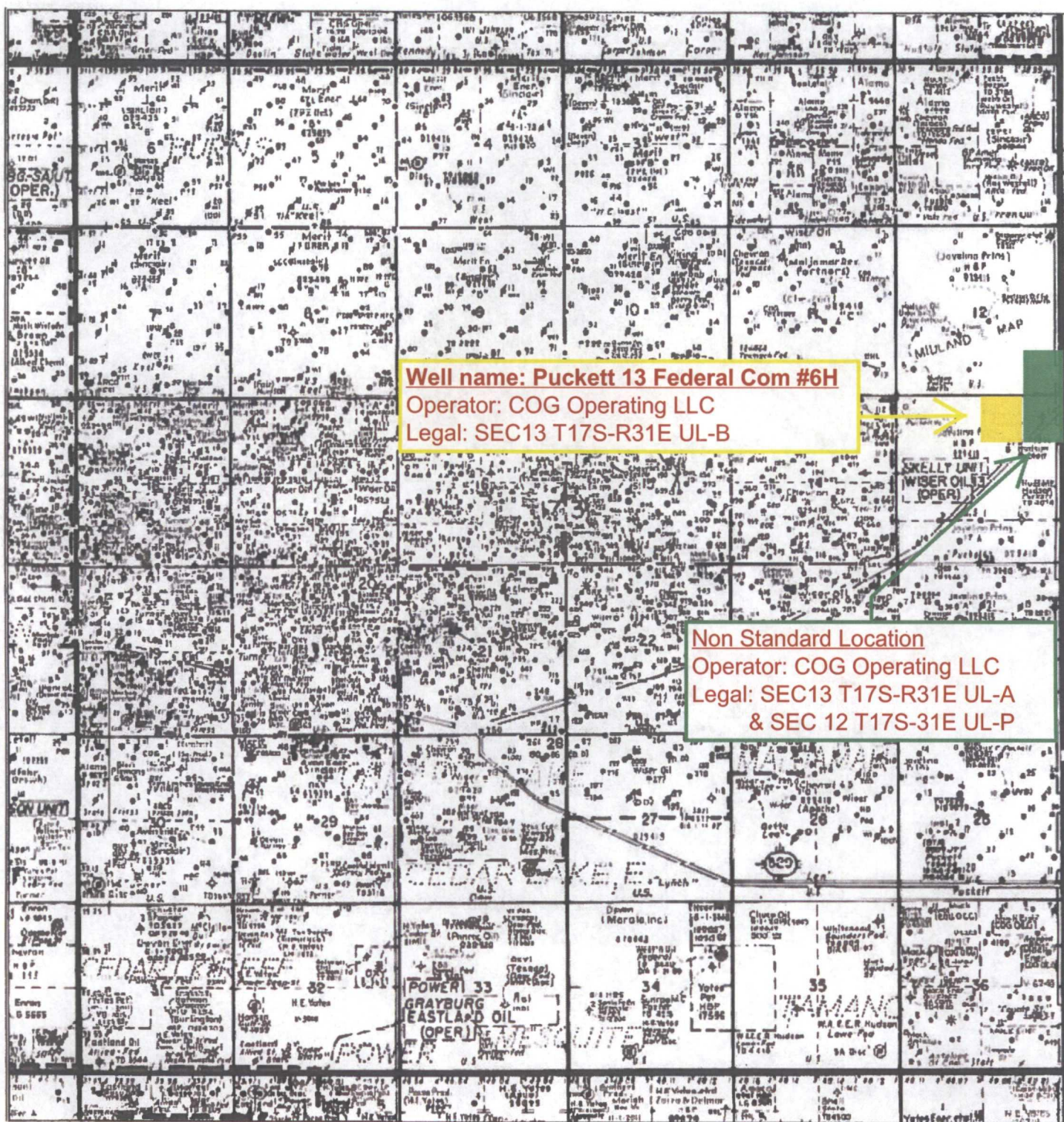
**PUCKETT 13 FEDERAL COM #6H WELL
 LOCATED 36 FEET FROM THE NORTH LINE
 AND 1627 FEET FROM THE EAST LINE OF SECTION 13,
 TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO**

Survey Date: 02/24/12	CAD Date: 03/08/12	Drawn By: AF
W.O. No.: 11112409	Rev.:	Rel. W.O.:
		Sheet 1 of 1

Producing Wells in Sec 13, T17S, R31E, Eddy County

API#	Operator	Lease	Well#	County	Legal	Total Depth	Well Type	Well Status	First Prod.	Last Prod.	Avg. (BO/D)
30-015-05136	HUDSON OIL COMPANY OF TEXAS	PUCKETT A	015	EDDY	S:13, T:17S, R:31E	0	O	Pumping	Apr 1948	Feb 2012	1.00
30-015-05137	HUDSON OIL COMPANY OF TEXAS	PUCKETT A	017	EDDY	S:13, T:17S, R:31E	0	O	Pumping	Apr 1960	Feb 2012	1.00
30-015-05138	HUDSON OIL COMPANY OF TEXAS	PUCKETT A	018	EDDY	S:13, T:17S, R:31E	0	O	Pumping	May 1960	Feb 2012	1.00
30-015-10303	HUDSON OIL COMPANY OF TEXAS	PUCKETT A	025	EDDY	S:13, T:17S, R:31E	3,958	O	Pumping	Sep 1975	Feb 2012	1.00
30-015-05135	HUDSON OIL COMPANY OF TEXAS	PUCKETT A	014	EDDY	S:13, T:17S, R:31E	0	O	Pumping	Jan 1953	Feb 2012	1.03
30-015-32008	HUDSON OIL COMPANY OF TEXAS	PUCKETT B	37	EDDY	S:13, T:17S, R:31E	12,600	O	Pumping	Jun 2002	Feb 2012	1.72
30-015-31304	HUDSON OIL COMPANY OF TEXAS	PUCKETT A LL	001	EDDY	S:13, T:17S, R:31E	4,045	O	Pumping	Dec 2000	Feb 2012	2.00
30-015-31306	HUDSON OIL COMPANY OF TEXAS	PUCKETT A LL	003	EDDY	S:13, T:17S, R:31E	4,023	O	Pumping	Feb 2001	Feb 2012	2.00
30-015-00000	EMPEROR IOL CO.	PUCKETT A	014	EDDY	S:13, T:17S, R:31E		O	Active	Jan 1947	Dec 1952	10.48
30-015-37161	HUDSON OIL COMPANY OF TEXAS	PUCKETT NORTH	7	EDDY	S:13, T:17S, R:31E	4,296	O	Active Permit	Mar 2010	Feb 2012	15.83
30-015-00000	WORTH DRILLING CO.	MALCO A	003	EDDY	S:13, T:17S, R:31E		O	Active	Jan 1949	Dec 1949	30.94
30-015-37911	HUDSON OIL COMPANY OF TEXAS	PUCKETT NORTH	9	EDDY	S:13, T:17S, R:31E	4,316	O	Active Permit	Dec 2010	Nov 2011	





COG Operating LLC

Eddy County, NM

Puckett 13 Federal Com 6H

Puckett 13 Federal Com 6H

Wellbore #1

Surface: 36' FNL, 1627' FEL, Sec 13, T17S, R31E, Unit B

BHL: 330' FSL, 1650' FEL, Sec 13, T17S, R31E, Unit O

PP: 330' FNL, 1628' FEL, Sec 13 T17S R31E, Unit B

Plan: Plan #1

Standard Planning Report

12 April, 2012

Crescent Directional Drilling

Planning Report

Database:	R5000 Houston DB	Local Co-ordinate Reference:	Site Puckett 13 Federal Com 6H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3981.00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3981.00ft (Original Well Elev)
Site:	Puckett 13 Federal Com 6H	North Reference:	Grid
Well:	Puckett 13 Federal Com 6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Project	Eddy County, NM		
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	Puckett 13 Federal Com 6H		
Site Position:	Northing:	670,312.40 ft	Latitude: 32° 50' 30.17 N
From: Map	Easting:	657,876.90 ft	Longitude: 103° 49' 9.48 W
Position Uncertainty:	0.00 ft	Slot Radius: 13.200 in	Grid Convergence: 0.28 °

Well	Puckett 13 Federal Com 6H		
Well Position	+N/-S	0.00 ft	Northing: 670,312.40 ft
	+E/-W	0.00 ft	Easting: 657,876.90 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	Ground Level: 3,963.00 ft

Wellbore:	Wellbore #1		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/3/2012	7.65	60.70	48,877

Design	Plan #1		
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Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	179.94

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,122.54	0.00	0.00	6,122.54	0.00	0.00	0.00	0.00	0.00	0.00	
6,872.54	90.00	179.94	6,600.00	-477.46	0.51	12.00	12.00	0.00	179.94	
11,308.97	90.00	179.94	6,600.00	-4,913.90	5.30	0.00	0.00	0.00	0.00	PBHL (Puckett 13 Fed

Crescent Directional Drilling

Planning Report

Database:	R5000 Houston DB	Local Co-ordinate Reference:	Site Puckett 13 Federal Com 6H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3981.00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3981.00ft (Original Well Elev)
Site:	Puckett 13 Federal Com 6H	North Reference:	Grid
Well:	Puckett 13 Federal Com 6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,122.54	0.00	0.00	6,122.54	0.00	0.00	0.00	0.00	0.00	0.00
KOP - Start Build @ 12.00°/100'									
6,200.00	9.30	179.94	6,199.66	-6.27	0.01	6.27	12.00	12.00	0.00
6,300.00	21.30	179.94	6,295.94	-32.60	0.04	32.60	12.00	12.00	0.00
6,400.00	33.30	179.94	6,384.65	-78.38	0.08	78.38	12.00	12.00	0.00
6,500.00	45.30	179.94	6,461.89	-141.59	0.15	141.59	12.00	12.00	0.00
6,600.00	57.30	179.94	6,524.31	-219.49	0.24	219.49	12.00	12.00	0.00
6,684.23	67.40	179.94	6,563.35	-294.00	0.32	294.00	12.00	12.00	0.00
PP @ 6684.23 MD, 6563.35 TVD, 67.40 INC, 179.94 AZ, 294.00 VS									
6,700.00	69.30	179.94	6,569.16	-308.66	0.33	308.66	12.00	12.00	0.00
6,800.00	81.30	179.94	6,594.50	-405.21	0.44	405.21	12.00	12.00	0.00
6,872.54	90.00	179.94	6,600.00	-477.46	0.51	477.46	12.00	12.00	0.00
Landing Point - Hold @ 90.00° INC, 179.94° AZ									
6,900.00	90.00	179.94	6,600.00	-504.93	0.54	504.93	0.00	0.00	0.00
7,000.00	90.00	179.94	6,600.00	-604.93	0.65	604.93	0.00	0.00	0.00
7,100.00	90.00	179.94	6,600.00	-704.93	0.76	704.93	0.00	0.00	0.00
7,200.00	90.00	179.94	6,600.00	-804.93	0.87	804.93	0.00	0.00	0.00
7,300.00	90.00	179.94	6,600.00	-904.93	0.98	904.93	0.00	0.00	0.00
7,400.00	90.00	179.94	6,600.00	-1,004.93	1.08	1,004.93	0.00	0.00	0.00
7,500.00	90.00	179.94	6,600.00	-1,104.93	1.19	1,104.93	0.00	0.00	0.00
7,600.00	90.00	179.94	6,600.00	-1,204.93	1.30	1,204.93	0.00	0.00	0.00
7,700.00	90.00	179.94	6,600.00	-1,304.93	1.41	1,304.93	0.00	0.00	0.00
7,800.00	90.00	179.94	6,600.00	-1,404.93	1.52	1,404.93	0.00	0.00	0.00
7,900.00	90.00	179.94	6,600.00	-1,504.93	1.62	1,504.93	0.00	0.00	0.00
8,000.00	90.00	179.94	6,600.00	-1,604.93	1.73	1,604.93	0.00	0.00	0.00
8,100.00	90.00	179.94	6,600.00	-1,704.93	1.84	1,704.93	0.00	0.00	0.00
8,200.00	90.00	179.94	6,600.00	-1,804.93	1.95	1,804.93	0.00	0.00	0.00
8,300.00	90.00	179.94	6,600.00	-1,904.93	2.05	1,904.93	0.00	0.00	0.00
8,400.00	90.00	179.94	6,600.00	-2,004.93	2.16	2,004.93	0.00	0.00	0.00
8,500.00	90.00	179.94	6,600.00	-2,104.93	2.27	2,104.93	0.00	0.00	0.00
8,600.00	90.00	179.94	6,600.00	-2,204.93	2.38	2,204.93	0.00	0.00	0.00
8,700.00	90.00	179.94	6,600.00	-2,304.93	2.49	2,304.93	0.00	0.00	0.00
8,800.00	90.00	179.94	6,600.00	-2,404.93	2.59	2,404.93	0.00	0.00	0.00
8,900.00	90.00	179.94	6,600.00	-2,504.93	2.70	2,504.93	0.00	0.00	0.00
9,000.00	90.00	179.94	6,600.00	-2,604.93	2.81	2,604.93	0.00	0.00	0.00
9,100.00	90.00	179.94	6,600.00	-2,704.93	2.92	2,704.93	0.00	0.00	0.00
9,200.00	90.00	179.94	6,600.00	-2,804.93	3.03	2,804.93	0.00	0.00	0.00
9,300.00	90.00	179.94	6,600.00	-2,904.93	3.13	2,904.93	0.00	0.00	0.00
9,400.00	90.00	179.94	6,600.00	-3,004.93	3.24	3,004.93	0.00	0.00	0.00
9,500.00	90.00	179.94	6,600.00	-3,104.93	3.35	3,104.93	0.00	0.00	0.00
9,600.00	90.00	179.94	6,600.00	-3,204.93	3.46	3,204.93	0.00	0.00	0.00
9,700.00	90.00	179.94	6,600.00	-3,304.93	3.56	3,304.93	0.00	0.00	0.00
9,800.00	90.00	179.94	6,600.00	-3,404.93	3.67	3,404.93	0.00	0.00	0.00
9,900.00	90.00	179.94	6,600.00	-3,504.93	3.78	3,504.93	0.00	0.00	0.00
10,000.00	90.00	179.94	6,600.00	-3,604.93	3.89	3,604.93	0.00	0.00	0.00
10,100.00	90.00	179.94	6,600.00	-3,704.93	4.00	3,704.93	0.00	0.00	0.00
10,200.00	90.00	179.94	6,600.00	-3,804.93	4.10	3,804.93	0.00	0.00	0.00
10,300.00	90.00	179.94	6,600.00	-3,904.93	4.21	3,904.93	0.00	0.00	0.00
10,400.00	90.00	179.94	6,600.00	-4,004.93	4.32	4,004.93	0.00	0.00	0.00
10,500.00	90.00	179.94	6,600.00	-4,104.93	4.43	4,104.93	0.00	0.00	0.00
10,600.00	90.00	179.94	6,600.00	-4,204.93	4.54	4,204.93	0.00	0.00	0.00
10,700.00	90.00	179.94	6,600.00	-4,304.93	4.64	4,304.93	0.00	0.00	0.00
10,800.00	90.00	179.94	6,600.00	-4,404.93	4.75	4,404.93	0.00	0.00	0.00

Crescent Directional Drilling

Planning Report

Database:	R5000 Houston DB	Local Co-ordinate Reference:	Site Puckett 13 Federal Com 6H
Company:	COG Operating LLC	TVD Reference:	WELL @ 3981.00ft (Original Well Elev)
Project:	Eddy County, NM	MD Reference:	WELL @ 3981.00ft (Original Well Elev)
Site:	Puckett 13 Federal Com 6H	North Reference:	Grid
Well:	Puckett 13 Federal Com 6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,900.00	90.00	179.94	6,600.00	-4,504.93	4.86	4,504.93	0.00	0.00	0.00
11,000.00	90.00	179.94	6,600.00	-4,604.93	4.97	4,604.93	0.00	0.00	0.00
11,100.00	90.00	179.94	6,600.00	-4,704.93	5.07	4,704.93	0.00	0.00	0.00
11,200.00	90.00	179.94	6,600.00	-4,804.93	5.18	4,804.93	0.00	0.00	0.00
11,300.00	90.00	179.94	6,600.00	-4,904.93	5.29	4,904.93	0.00	0.00	0.00
11,308.97	90.00	179.94	6,600.00	-4,913.90	5.30	4,913.90	0.00	0.00	0.00
TD @ 11308.97' MD, 6600.00' TVD - PBHL (Puckett 13 Federal Com 6H Plan 1)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Puckett 13 Feder	0.00	0.00	6,600.00	-4,913.90	5.30	665,398.50	657,882.20	32° 49' 41.55 N	103° 49' 9.70 W
- plan hits target center									
- Point									

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6,122.54	6,122.54	0.00	0.00	KOP - Start Build @ 12.00°/100'
6,684.23	6,563.35	-294.00	0.32	PP @ 6684.23 MD, 6563.35 TVD, 67.40 INC, 179.94 AZ, 294.00 VS
6,872.54	6,600.00	-477.46	0.51	Landing Point - Hold @ 90.00° INC, 179.94° AZ
11,308.97	6,600.00	-4,913.90	5.30	TD @ 11308.97' MD, 6600.00' TVD