

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No
NMLC029415A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.
PUCKETT 13 FEDERAL COM 5H9. API Well No.
30-015-39657-00-X110. Field and Pool, or Exploratory
MAR LOCO11. County or Parish, and State
EDDY COUNTY, NM**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

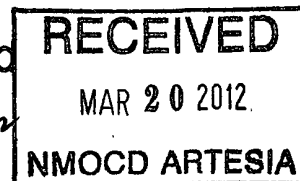
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests permission to change the name of this well to:
Puckett 13 Federal Com #5H

COG Operating LLC submitted APD for this well at this location:
SHL: 140' FNL & 1907' FEL, Unit B
BHL: 330' FSL & 1980' FEL, Unit O

COG Operating LLC respectfully requests permission to change the BHL to:
SHL: 140' FNL & 1907' FEL, Unit B
BHL: 330' FSL & 2310' FEL, Unit O

Subject to
Like Approval
Accepted for record
NMOCD
JCS 3/20/2012



Additional cement may be needed on all strings

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #131667 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by DEBORAH MCKINNEY on 02/27/2012 (12DLM0623SE)	
Name (Printed/Typed) KELLY J HOLLY	Title PERMITTING TECH
Signature (Electronic Submission)	Date 02/27/2012
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By	Title
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	
Office	Date
WESLEY W. INGRAM PETROLEUM ENGINEER	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #131667 that would not fit on the form

32. Additional remarks, continued

A revised C-102 and Directional Plan is attached for your review.

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 30-015-39657	Pool Code 97866	Pool Name MAR LOCO-Glorieta Yeso
Property Code	Property Name PUCKETT 13 FEDERAL COM	Well Number 5H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3961'

Surface Location

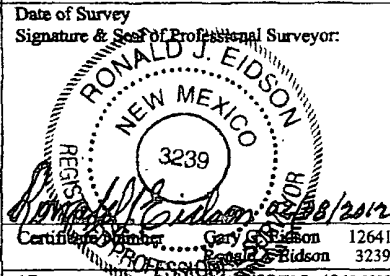
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	13	17-S	31-E		140	NORTH	1907	EAST	EDDY

Bottom Hole Location If Different From Surface

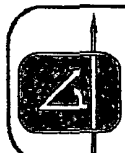
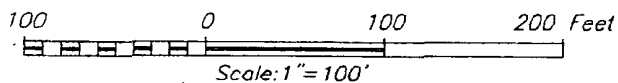
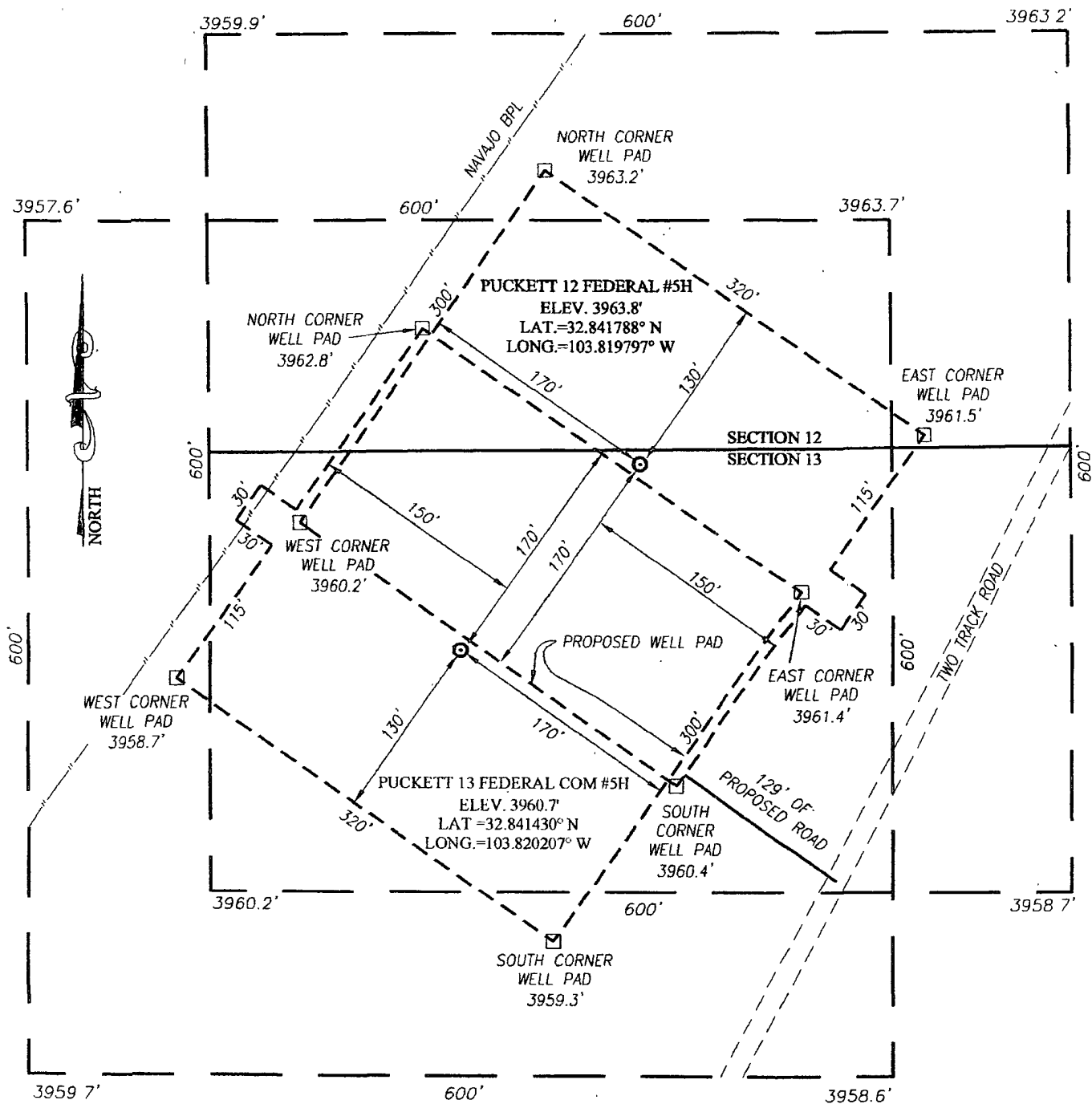
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	17-S	31-E		330	SOUTH	2310	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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 <u>SURFACE LOCATION</u> Y=670206.3 N X=657597.5 E LAT.=32.841430° N LONG.=103.820207° W <u>BOTTOM HOLE LOCATION</u> Y=665393.9 N X=657222.4 E SECTION, QUARTER & SIXTEENTH CORNER COORDINATES (A) - Y=670340.7, X=656865.1 E (B) - Y=670350.6, X=658184.2 E (C) - Y=665061.6, X=656892.2 E (D) - Y=665070.9, X=658212.9 E Producing Area Project Area GRID AZ = 184°27'24" HORIZ. DIST. = 4828.3' SEE DETAIL 140' 1907' 3957.6' 3963.7' 3959.7' 3958.6' 600' 600' DETAIL 330' 2310'	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 unless 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.  2-27-12 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. JUNE 22, 2011 Date of Survey Signature & Seal of Professional Surveyor:  Ronald J. Eidson 12641 Gary S. Eidson 3239 Certified Surveyor PROFESSIONAL SURVEYOR AF WSC W.O. 12.13.0229
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SECTIONS 12 & 13, TOWNSHIP 17 SOUTH, RANGE 31 EAST, N.M.P.M.
 EDDY COUNTY NEW MEXICO



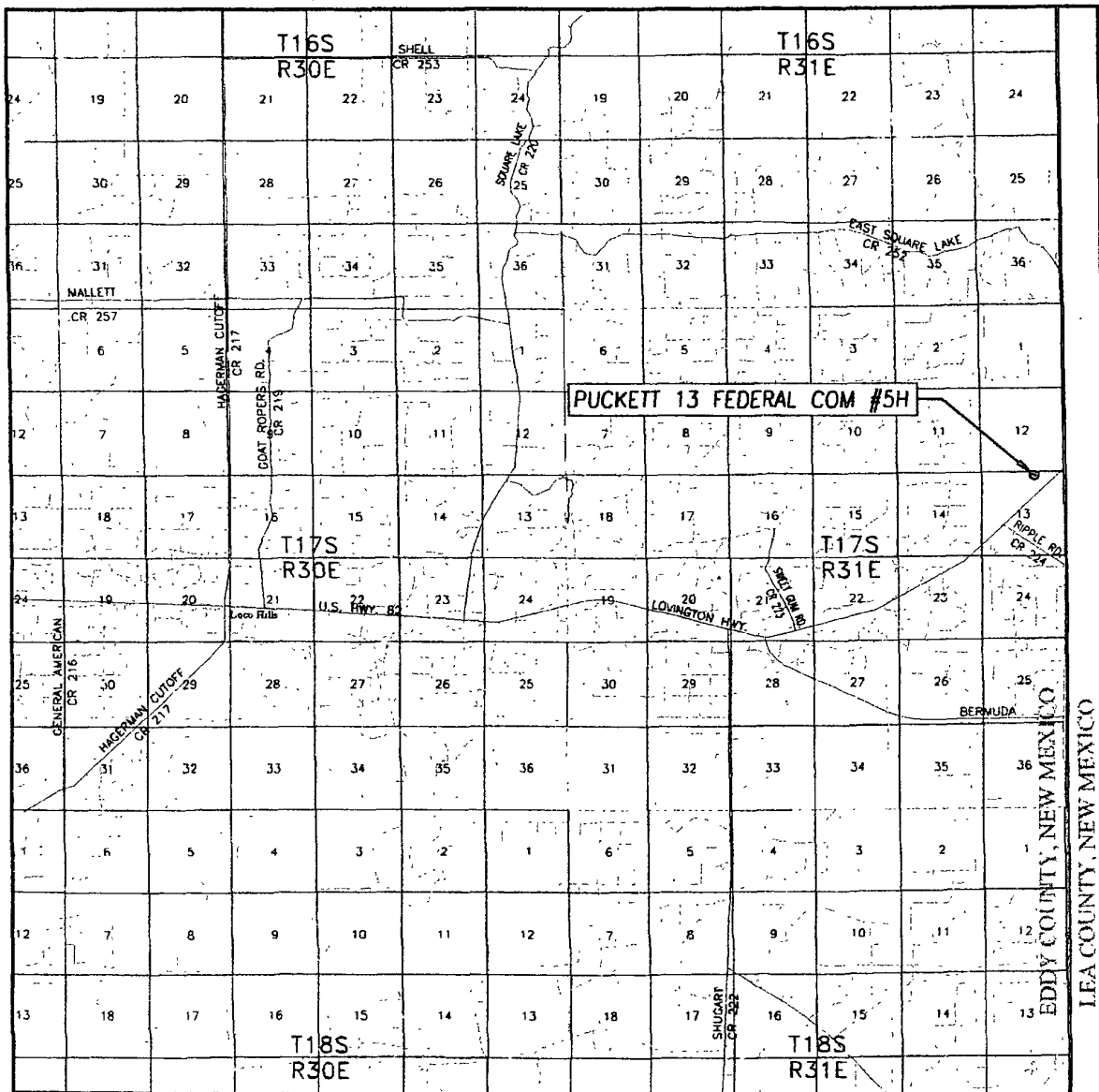
PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

COG OPERATING, LLC

PUCKETT 12 & 13 FEDERAL #5H WELLS
 IN SECTIONS 12 & 13, TOWNSHIP 17 SOUTH,
 RANGE 31 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 6/22/11	Sheet 1 of 1 Sheets
W.O. Number. 11.13 1807	Dr By. LA
Date: 8/29/11	11131807
	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 13 TWP. 17-S RGE. 31-E

SURVEY N.M.P.M.

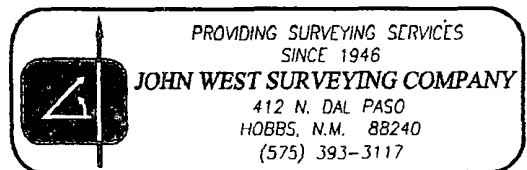
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 140' ENL & 1907' FEL

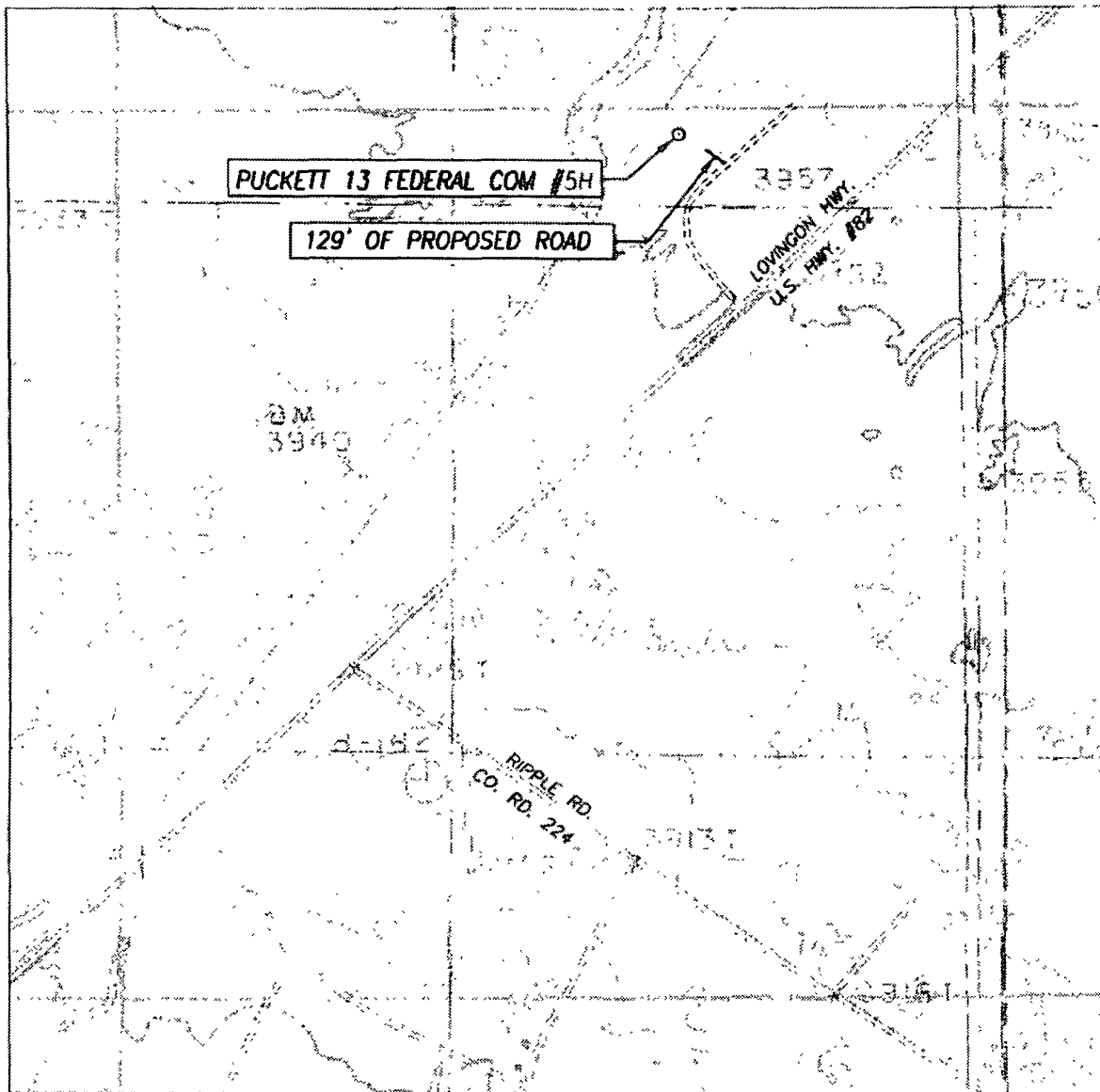
ELEVATION 3961'

OPERATOR COG OPERATING, LLC

LEASE PUCKETT 13 FEDERAL COM



LOCATION VERIFICATION MAP



SCALE: 1" = 1000'

CONTOUR INTERVAL:
MALJAMAR, N.M. - 10'

SEC. 13 TWP. 17-S RGE. 31-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

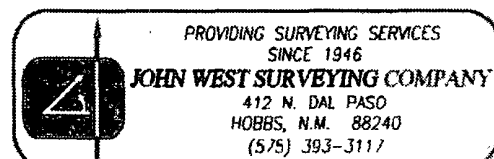
DESCRIPTION 140' FNL & 1907' FEL

ELEVATION 3961'

OPERATOR COG OPERATING, LLC

LEASE PUCKETT 13 FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP
MALJAMAR, N.M.





COG Operating LLC

Eddy County, NM (NAN27 NME)

Puckett 13 Federal #5H

Puckett 13 Federal #5H

OH

Plan: Plan #3 8-3/4" Hole

SHL = 140' FNL & 1907' FEL

PP = 330' FNL & 1907' FEL

BHL = 330' FSL & 2310' FEL

Standard Planning Report

24 February, 2012





PBHL-Puckett 13 #5H									
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,022.54	0.00	0.00	6,022.54	0.00	0.00	0.00	0.00	0.00	0.00
6,772.54	90.00	184.46	6,500.00	-476.02	-37.10	12.00	12.00	0.00	184.46
11,122.07	90.00	184.46	6,500.00	-4,812.40	-375.10	0.00	0.00	0.00	0.00 PBHL-Puckett 13 #5H



SDI
Planning Report



EDM 5000.1 Single User Db.
COG Operating LLC
Eddy County, NM (NAN27 NME)
Puckett 13 Federal #5H
Puckett 13 Federal #5H
OH
Plan #3 - 8-3/4" Hole

Site Puckett 13 Federal #5H
GL Elev @ 3881.00usft
GL Elev @ 3881.00usft
Grid
Minimum Curvature

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,022.54	0.00	0.00	6,022.54	0.00	0.00	0.00	0.00	0.00	0.00
KOP Start Build 12.00"/100"									
6,100.00	9.30	184.46	6,099.66	-6.25	-0.49	6.27	12.00	12.00	0.00
6,200.00	21.30	184.46	6,195.94	-32.50	-2.53	32.60	12.00	12.00	0.00
6,300.00	33.30	184.46	6,284.65	-78.14	-6.09	78.38	12.00	12.00	0.00
6,400.00	45.30	184.46	6,361.89	-141.17	-11.00	141.59	12.00	12.00	0.00
6,464.80	53.07	184.46	6,404.21	-190.02	-14.81	190.59	12.00	12.00	0.00
PP=330' PNL, Puckett 13 #5H									
6,500.00	57.30	184.46	6,424.31	-218.83	-17.06	219.49	12.00	12.00	0.00
6,600.00	69.30	184.46	6,469.16	-307.73	-23.99	308.66	12.00	12.00	0.00
6,700.00	81.30	184.46	6,494.50	-403.98	-31.49	405.21	12.00	12.00	0.00
6,772.54	90.00	184.46	6,500.00	-476.03	-37.10	477.47	12.00	12.00	0.00
Land EOC hold 90.00"									
6,800.00	90.00	184.46	6,500.00	-503.40	-39.24	504.93	0.00	0.00	0.00
6,900.00	90.00	184.46	6,500.00	-603.10	-47.01	604.93	0.00	0.00	0.00
7,000.00	90.00	184.46	6,500.00	-702.80	-54.78	704.93	0.00	0.00	0.00
7,100.00	90.00	184.46	6,500.00	-802.50	-62.55	804.93	0.00	0.00	0.00
7,200.00	90.00	184.46	6,500.00	-902.19	-70.32	904.93	0.00	0.00	0.00
7,300.00	90.00	184.46	6,500.00	-1,001.89	-78.09	1,004.93	0.00	0.00	0.00
7,400.00	90.00	184.46	6,500.00	-1,101.59	-85.86	1,104.93	0.00	0.00	0.00
7,500.00	90.00	184.46	6,500.00	-1,201.29	-93.63	1,204.93	0.00	0.00	0.00
7,600.00	90.00	184.46	6,500.00	-1,300.98	-101.40	1,304.93	0.00	0.00	0.00
7,700.00	90.00	184.46	6,500.00	-1,400.68	-109.18	1,404.93	0.00	0.00	0.00
7,800.00	90.00	184.46	6,500.00	-1,500.38	-116.95	1,504.93	0.00	0.00	0.00
7,900.00	90.00	184.46	6,500.00	-1,600.08	-124.72	1,604.93	0.00	0.00	0.00
8,000.00	90.00	184.46	6,500.00	-1,699.77	-132.49	1,704.93	0.00	0.00	0.00
8,100.00	90.00	184.46	6,500.00	-1,799.47	-140.26	1,804.93	0.00	0.00	0.00
8,200.00	90.00	184.46	6,500.00	-1,899.17	-148.03	1,904.93	0.00	0.00	0.00
8,300.00	90.00	184.46	6,500.00	-1,998.87	-155.80	2,004.93	0.00	0.00	0.00
8,400.00	90.00	184.46	6,500.00	-2,098.56	-163.57	2,104.93	0.00	0.00	0.00
8,500.00	90.00	184.46	6,500.00	-2,198.26	-171.34	2,204.93	0.00	0.00	0.00
8,600.00	90.00	184.46	6,500.00	-2,297.96	-179.11	2,304.93	0.00	0.00	0.00
8,700.00	90.00	184.46	6,500.00	-2,397.66	-186.88	2,404.93	0.00	0.00	0.00
8,800.00	90.00	184.46	6,500.00	-2,497.36	-194.66	2,504.93	0.00	0.00	0.00
8,900.00	90.00	184.46	6,500.00	-2,597.05	-202.43	2,604.93	0.00	0.00	0.00
9,000.00	90.00	184.46	6,500.00	-2,696.75	-210.20	2,704.93	0.00	0.00	0.00
9,100.00	90.00	184.46	6,500.00	-2,796.45	-217.97	2,804.93	0.00	0.00	0.00
9,200.00	90.00	184.46	6,500.00	-2,896.15	-225.74	2,904.93	0.00	0.00	0.00
9,300.00	90.00	184.46	6,500.00	-2,995.84	-233.51	3,004.93	0.00	0.00	0.00
9,400.00	90.00	184.46	6,500.00	-3,095.54	-241.28	3,104.93	0.00	0.00	0.00
9,500.00	90.00	184.46	6,500.00	-3,195.24	-249.05	3,204.93	0.00	0.00	0.00
9,600.00	90.00	184.46	6,500.00	-3,294.94	-256.82	3,304.93	0.00	0.00	0.00
9,700.00	90.00	184.46	6,500.00	-3,394.63	-264.59	3,404.93	0.00	0.00	0.00
9,800.00	90.00	184.46	6,500.00	-3,494.33	-272.36	3,504.93	0.00	0.00	0.00
9,900.00	90.00	184.46	6,500.00	-3,594.03	-280.13	3,604.93	0.00	0.00	0.00
10,000.00	90.00	184.46	6,500.00	-3,693.73	-287.91	3,704.93	0.00	0.00	0.00
10,100.00	90.00	184.46	6,500.00	-3,793.42	-295.68	3,804.93	0.00	0.00	0.00
10,200.00	90.00	184.46	6,500.00	-3,893.12	-303.45	3,904.93	0.00	0.00	0.00
10,300.00	90.00	184.46	6,500.00	-3,992.82	-311.22	4,004.93	0.00	0.00	0.00
10,400.00	90.00	184.46	6,500.00	-4,092.52	-318.99	4,104.93	0.00	0.00	0.00
10,500.00	90.00	184.46	6,500.00	-4,192.21	-326.76	4,204.93	0.00	0.00	0.00
10,600.00	90.00	184.46	6,500.00	-4,291.91	-334.53	4,304.93	0.00	0.00	0.00

EDM 5000.1 Single User DB									
COG Operating LLC									
Eddy County, NM (NANZ7 NME)									
Puckett 13 Federal #5H									
OH									
Plan #3 8-3/4" Hole									
Site Puckett 13 Federal #5H									
GL Elev @ 3981.00usft									
GL Elev @ 3981.00usft									
GHD									
Minimum Curvature									
10,700.00	184.46	6,500.00	-4,391.61	-342.30	4,404.93	0.00	0.00	0.00	0.00
10,800.00	184.46	6,500.00	-4,491.31	-350.07	4,504.93	0.00	0.00	0.00	0.00
10,900.00	184.46	6,500.00	-4,591.00	-357.84	4,604.93	0.00	0.00	0.00	0.00
11,000.00	184.46	6,500.00	-4,690.70	-365.61	4,704.93	0.00	0.00	0.00	0.00
11,100.00	184.46	6,500.00	-4,790.40	-373.39	4,804.93	0.00	0.00	0.00	0.00
11,122.07	184.46	6,500.00	-4,812.40	-375.10	4,827.00	0.00	0.00	0.00	0.00
PBHL-Puckett 13 #5H									
- Point									
- plan hits target center									
0.00	0.01	6,404.20	-190.00	-14.81	670,016.31	657,582.70	32° 50' 27.270 N	103° 49' 12.931 W	PP=330' FNL, Puckett 1,
0.00	0.00	6,500.00	-4,812.40	-375.10	665,383.90	657,222.40	32° 49' 41.549 N	103° 49' 17.416 W	PBHL-Puckett 13 #5H
- Point									
- plan hits target center									
6,022.54	6,022.54	0.00	0.00	0.00	KOP Start Build 12.00"/100'	6,022.54			
6,772.54	6,500.00	-476.03	-37.10	0.00	Land EOC hold 90.00"	6,772.54			

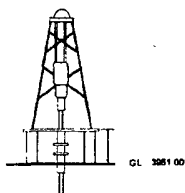


SDI
Planning Report





Puckett 13 Federal #5H
Eddy County, NM (NAN27 NME)
Northing: (Y) 670206.30
Easting: (X) 657597.50
Plan #3 8-3/4" Hole



WELL DETAILS: Puckett 13 Federal #5H									
+N-S	+E-W	Northing	Ground Level	Eastings	Latitude	Longitude	Slot		
0.00	0.00	670206.30	3961.00	657597.50	32° 50' 29.150 N	103° 49' 12.747 W			

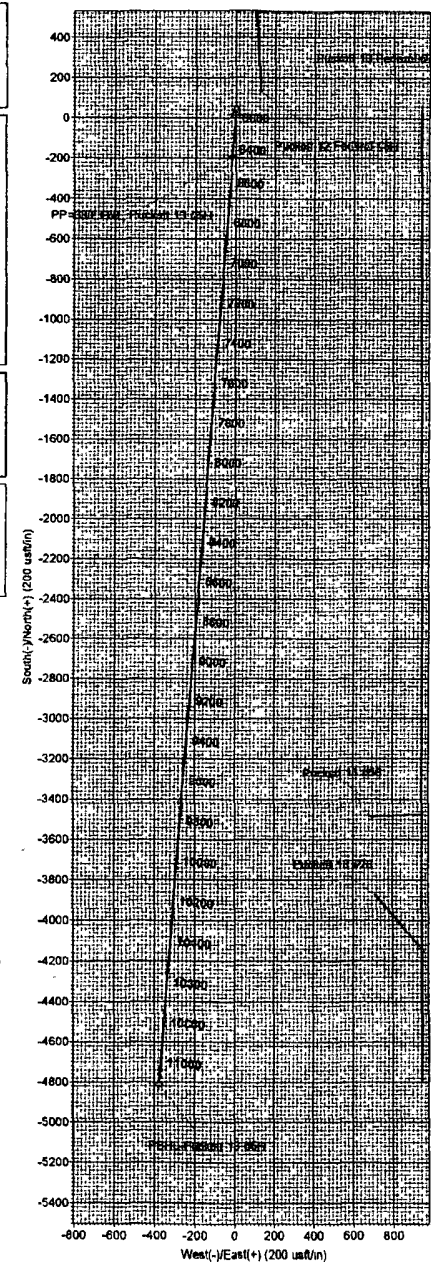
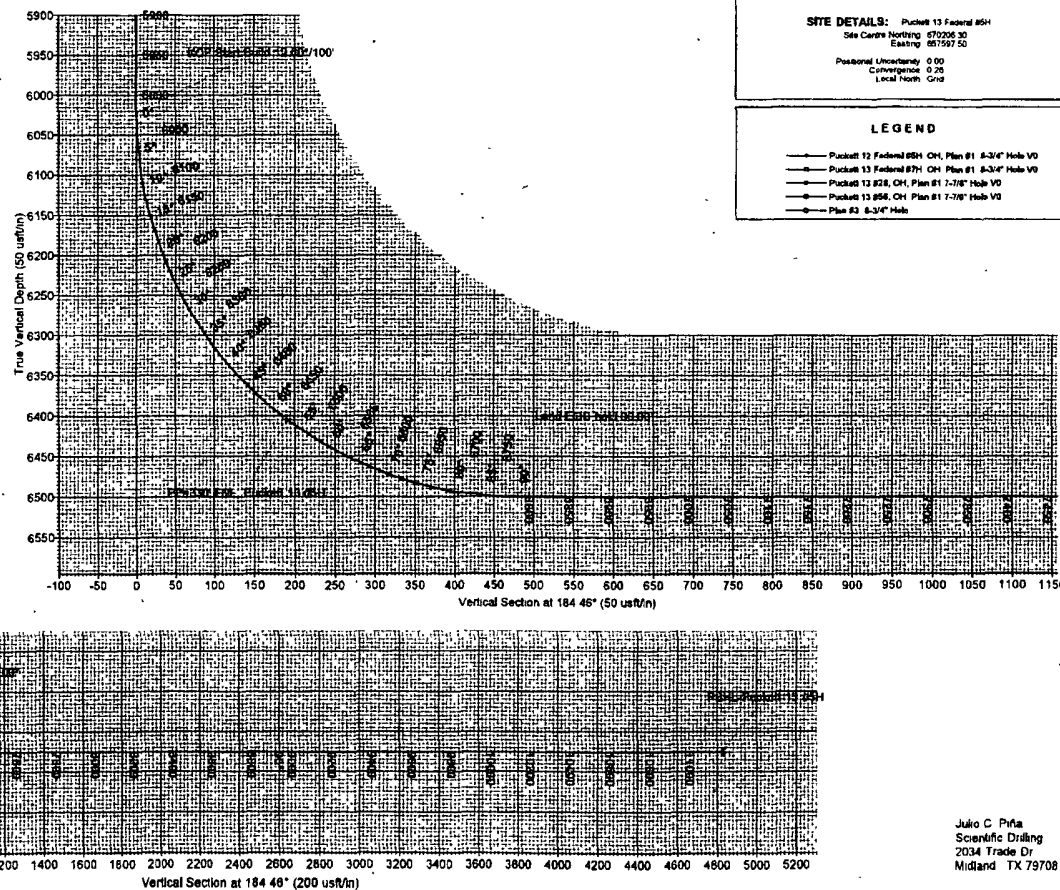
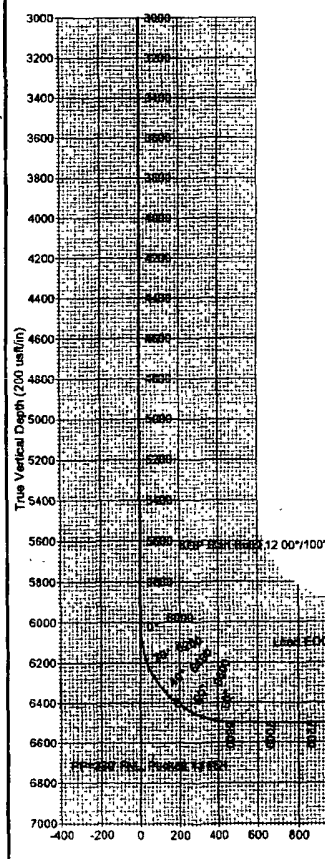
SECTION DETAILS									
Sec	MD	Inc	Asl	TVD	+N-S	+E-W	Deg	TFace	Vsect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8072.54	0.00	0.00	8072.54	0.00	0.00	0.00	0.00	0.00
3	8772.54	90.00	194.46	8500.00	-478.02	-37.10	12.00	154.46	477.46
4	11122.07	90.00	194.46	8500.00	-4812.40	-375.10	0.00	0.00	4827.00

DESIGN TARGET DETAILS									
Name	TVD	+N-S	+E-W	Northing	Eastings	Latitude	Longitude	Shape	
PP-330 FHL, Puckett 13 852904.20	-190.00	-14.81	670018.30	667562.8832	507.27370	103° 49' 12.831 W	Point		
pphl-Puckett 13 #5H	8500.00	-4812.40	-375.10	665383.80	667222.4032	49° 41' 54.9	103° 49' 17.416 W	Point	
- plan hits target center									

PROJECT DETAILS: Eddy County, NM (NAN27 NME)									
Geosystem	US State Plane 1927 (Exact solution)								
Datum	NAD 1927 (NADCON CONUS)								
Ellipsoid	Clarke 1866								
Zone Name	North Mexico East 3001								
Local Origin	See Puckett 13 Federal #5H, Grid North								
Latitude	32° 50' 29.150 N								
Longitude	103° 49' 12.747 W								
Grid East	657597.50								
Grid North	670206.30								
Scale Factor	1.000								
Geomagnetic Model	IGRF 2010								
Sample Date	24-Feb-12								
Magnetic Declination	7.58°								
Dip Angle from Horizontal	60.70°								
Magnetic Field Strength	48867								
To convert a Magnetic Direction to a Grid Direction Add 7.58°									
To convert a Magnetic Direction to a True Direction Add 7.66° East									
To convert a True Direction to a Grid Direction Subtract 0.29°									

SITE DETAILS: Puckett 13 Federal #5H									
See Centre Northing	670206.30								
Eastings	657597.50								
Positional Uncertainty	0.00								
Convergence	0.28								
Local North	Grid								

LEGEND									
—	Puckett 12 Federal #5H, CH, Plan #1 8-3/4" Hole V0								
—	Puckett 13 Federal #5H, CH, Plan #1 8-3/4" Hole V0								
—	Puckett 13 #5H, CH, Plan #1 7-7/8" Hole V0								
—	Puckett 13 #5H, CH, Plan #1 7-7/8" Hole V0								
—	Plan #2 8-3/4" Hole								



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