

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM7752
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432.685.4384		8. Well Name and No. HOBGOBLIN 7 FEDERAL COM 11H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R30E NENE 330FNL 150FEL 32.855290 N Lat, 104.002740 W Lon		9. API Well No. 30-015-41812-00-X1
		10. Field and Pool, or Exploratory LOCO HILLS
		11. 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 to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 TVD of this well as follows:

FROM: 4552' TVD; 9118' MD; EOC: 4625' TVD
TO: 4502' TVD; 9068' MD; EOC: 4575' TVD

A revised directional plan is attached for your review.

NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 11 2015

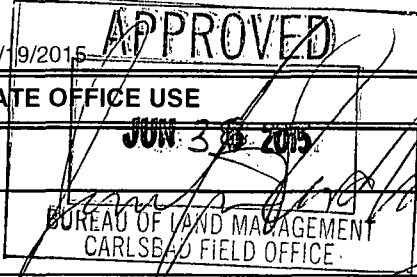
RECEIVED

Accepted for record

WDS NMOCDC 6/17/15

Original COAs Still Stand

14. I hereby certify that the foregoing is true and correct. Electronic Submission #302208 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 06/03/2015 (15JAS0357SE)	
Name (Printed/Typed) KELLY J HOLLY	Title PERMITTING TECH
Signature (Electronic Submission)	Date 05/19/2015
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
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 ****



Project: EDDY COUNTY, NM
Site: LOCO HILLS
Well: HOBGOLIN 7 FED COM #11H
Wellbore: OWB
Design: PWP0

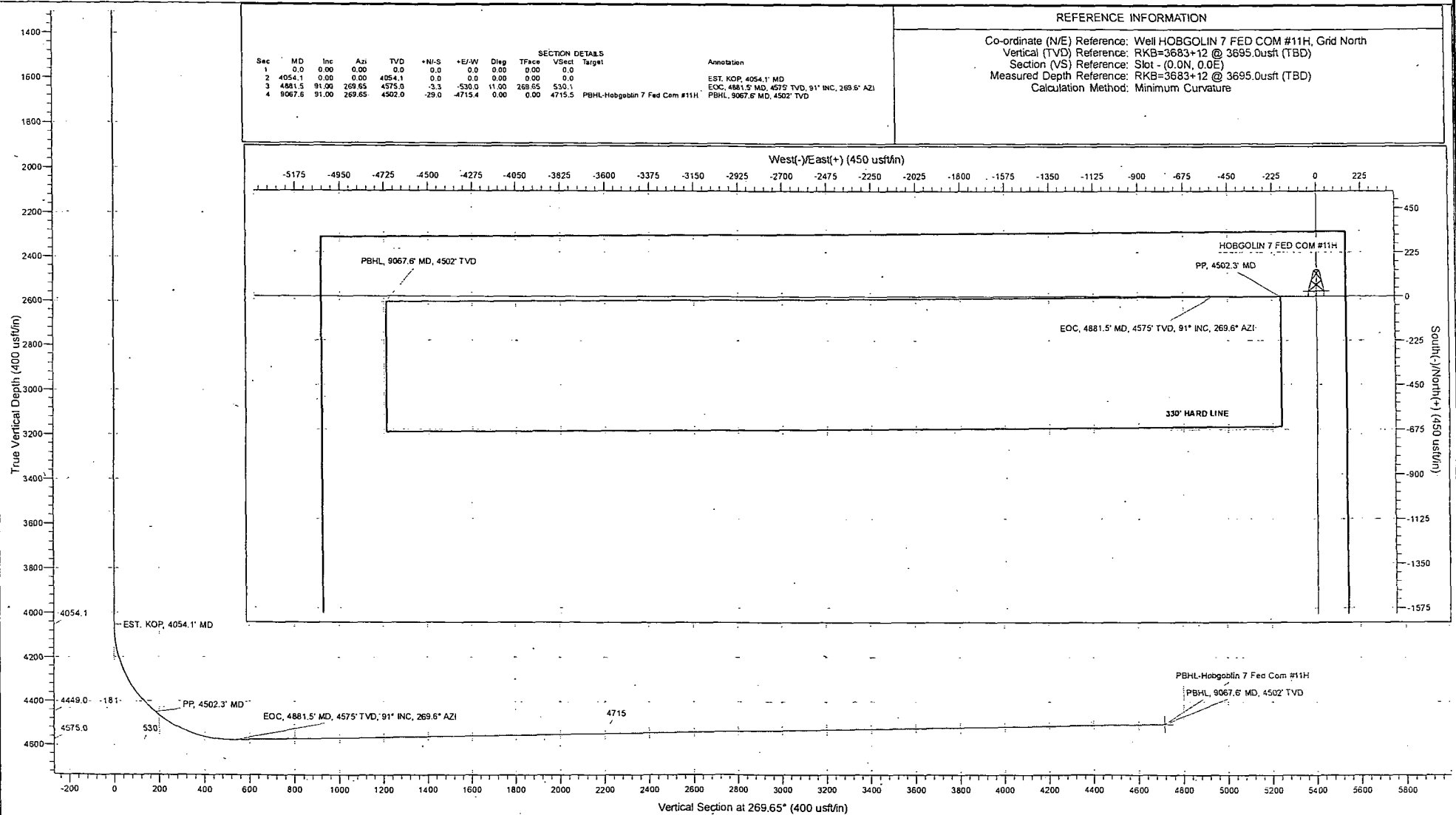
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4054.1	0.00	0.00	4054.1	0.0	0.0	0.00	0.00	0.0	
3	4881.5	91.00	269.65	4575.3	-3.3	-530.0	11.00	269.65	530.1	
4	9067.6	91.00	269.65	4502.0	-29.0	-4715.4	0.00	0.00	4715.5	PBHL-Hobgoblin 7 Fed Com #11H

Annotation

EST. KOP, 4054.1' MD
EOC, 4881.5' MD, 4575' TVD, 91° INC, 269.6° AZI
PBHL, 9067.6' MD, 4502' TVD

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well HOBGOLIN 7 FED COM #11H, Grid North
Vertical (TVD) Reference: RKB=3683+12 @ 3695.0usft (TBD)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: RKB=3683+12 @ 3695.0usft (TBD)
Calculation Method: Minimum Curvature





NM OIL CONSERVATION

ARTESIA DISTRICT

JUN 11 2015

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**COG Operating LLC
NEW MEXICO SHELF**

**EDDY COUNTY, NM
LOCO HILLS
HOBGOLIN 7 FED COM #11H**

OWB

Plan: PWP0

SHL: 330' FNL, 150' FEL, SEC. 7, T17S, R30E, UNIT A

PP: 330' FSL, 330' FEL, SEC. 7, T17S, R30E, UNIT A

BHL: 330 FSL, 330' FWL, SEC. 7, T17S, R30E, LOT 1

Standard Planning Report

18 May, 2015



COG Operating LLC
Planning Report

Database:	EDM_Users	Local Co-ordinate Reference:	Well HOBGOLIN 7 FED COM #11H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3683+12 @ 3695.0usft (TBD)
Project:	EDDY COUNTY, NM	MD Reference:	RKB=3683+12 @ 3695.0usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOLIN 7 FED COM #11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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:	LOCO HILLS		
Site Position:		Northing:	674,351.30 usft
From:	Map	Easting:	601,657.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 51' 12.377 N
		Longitude:	104° 0' 8.270 W
		Grid Convergence:	0.18 °

Well:	HOBGOLIN 7 FED COM #11H		
Well Position	+N/-S	674.1 usft	Northing:
	+E/-W	-137.4 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 51' 19.051 N
		Longitude:	104° 0' 9.856 W
		Ground Level:	3,683.0 usft

Wellbore:	OWB		
Magnetics:	Model Name	Sample Date	Declination
	WMM_2005	12/31/2009	8.00
			60.74
			49.118

Design:	PWP0		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	4,502.0	0.0	0.0
			269.65

Plan Sections:										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,054.1	0.00	0.00	4,054.1	0.0	0.0	0.00	0.00	0.00	0.00	
4,881.5	91.00	269.65	4,575.0	-3.3	-530.0	11.00	11.00	0.00	269.65	
9,067.6	91.00	269.65	4,502.0	-29.0	-4,715.4	0.00	0.00	0.00	0.00	PBHL-Hobgoblin 7 Fe



COG Operating LLC

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Project:	EDDY COUNTY, NM	MD Reference:	RKB=3683+12 @ 3695.0usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOLIN 7 FED COM #11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,054.1	0.00	0.00	4,054.1	0.0	0.0	0.0	0.00	0.00	0.00
EST. KOP, 4054.1' MD									
4,100.0	5.05	269.65	4,099.9	0.0	-2.0	2.0	11.00	11.00	0.00
4,200.0	16.05	269.65	4,198.1	-0.1	-20.3	20.3	11.00	11.00	0.00
4,300.0	27.04	269.65	4,291.0	-0.4	-57.0	57.0	11.00	11.00	0.00
4,400.0	38.04	269.65	4,375.1	-0.7	-110.7	110.7	11.00	11.00	0.00
4,500.0	49.04	269.65	4,447.5	-1.1	-179.5	179.5	11.00	11.00	0.00
4,502.3	49.29	269.65	4,449.0	-1.1	-181.2	181.2	11.00	11.00	0.00
PP, 4502.3' MD									
4,600.0	60.04	269.65	4,505.4	-1.6	-260.8	260.8	11.00	11.00	0.00
4,700.0	71.03	269.65	4,546.8	-2.2	-351.7	351.7	11.00	11.00	0.00
4,800.0	82.03	269.65	4,570.0	-2.8	-448.8	448.8	11.00	11.00	0.00
4,881.5	91.00	269.65	4,575.0	-3.3	-530.0	530.0	11.00	11.00	0.00



COG Operating LLC

Planning Report

Database:	EDM_Users	Local Co-ordinate Reference:	Well HOBGOLIN 7 FED COM #11H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3683+12 @ 3695.0usft (TBD)
Project:	EDDY COUNTY, NM	MD Reference:	RKB=3683+12 @ 3695.0usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOLIN 7 FED COM #11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
EOC, 4881.5' MD, 4575' TVD, 91° INC, 269.6° AZI									
4,900.0	91.00	269.65	4,574.7	-3.4	-548.5	548.5	0.02	0.02	0.00
5,000.0	91.00	269.65	4,572.9	-4.0	-648.5	648.5	0.00	0.00	0.00
5,100.0	91.00	269.65	4,571.2	-4.6	-748.5	748.5	0.00	0.00	0.00
5,200.0	91.00	269.65	4,569.4	-5.2	-848.5	848.5	0.00	0.00	0.00
5,300.0	91.00	269.65	4,567.7	-5.8	-948.4	948.5	0.00	0.00	0.00
5,400.0	91.00	269.65	4,566.0	-6.4	-1,048.4	1,048.4	0.00	0.00	0.00
5,500.0	91.00	269.65	4,564.2	-7.1	-1,148.4	1,148.4	0.00	0.00	0.00
5,600.0	91.00	269.65	4,562.5	-7.7	-1,248.4	1,248.4	0.00	0.00	0.00
5,700.0	91.00	269.65	4,560.7	-8.3	-1,348.4	1,348.4	0.00	0.00	0.00
5,800.0	91.00	269.65	4,559.0	-8.9	-1,448.4	1,448.4	0.00	0.00	0.00
5,900.0	91.00	269.65	4,557.2	-9.5	-1,548.3	1,548.4	0.00	0.00	0.00
6,000.0	91.00	269.65	4,555.5	-10.1	-1,648.3	1,648.4	0.00	0.00	0.00
6,100.0	91.00	269.65	4,553.7	-10.8	-1,748.3	1,748.3	0.00	0.00	0.00
6,200.0	91.00	269.65	4,552.0	-11.4	-1,848.3	1,848.3	0.00	0.00	0.00
6,300.0	91.00	269.65	4,550.3	-12.0	-1,948.3	1,948.3	0.00	0.00	0.00
6,400.0	91.00	269.65	4,548.5	-12.6	-2,048.3	2,048.3	0.00	0.00	0.00
6,500.0	91.00	269.65	4,546.8	-13.2	-2,148.2	2,148.3	0.00	0.00	0.00
6,600.0	91.00	269.65	4,545.0	-13.8	-2,248.2	2,248.3	0.00	0.00	0.00
6,700.0	91.00	269.65	4,543.3	-14.4	-2,348.2	2,348.3	0.00	0.00	0.00
6,800.0	91.00	269.65	4,541.5	-15.1	-2,448.2	2,448.2	0.00	0.00	0.00
6,900.0	91.00	269.65	4,539.8	-15.7	-2,548.2	2,548.2	0.00	0.00	0.00
7,000.0	91.00	269.65	4,538.1	-16.3	-2,648.2	2,648.2	0.00	0.00	0.00
7,100.0	91.00	269.65	4,536.3	-16.9	-2,748.1	2,748.2	0.00	0.00	0.00
7,200.0	91.00	269.65	4,534.6	-17.5	-2,848.1	2,848.2	0.00	0.00	0.00
7,300.0	91.00	269.65	4,532.8	-18.1	-2,948.1	2,948.2	0.00	0.00	0.00
7,400.0	91.00	269.65	4,531.1	-18.7	-3,048.1	3,048.1	0.00	0.00	0.00
7,500.0	91.00	269.65	4,529.3	-19.4	-3,148.1	3,148.1	0.00	0.00	0.00
7,600.0	91.00	269.65	4,527.6	-20.0	-3,248.1	3,248.1	0.00	0.00	0.00
7,700.0	91.00	269.65	4,525.8	-20.6	-3,348.0	3,348.1	0.00	0.00	0.00
7,800.0	91.00	269.65	4,524.1	-21.2	-3,448.0	3,448.1	0.00	0.00	0.00
7,900.0	91.00	269.65	4,522.4	-21.8	-3,548.0	3,548.1	0.00	0.00	0.00
8,000.0	91.00	269.65	4,520.6	-22.4	-3,648.0	3,648.1	0.00	0.00	0.00
8,100.0	91.00	269.65	4,518.9	-23.1	-3,748.0	3,748.0	0.00	0.00	0.00
8,200.0	91.00	269.65	4,517.1	-23.7	-3,848.0	3,848.0	0.00	0.00	0.00
8,300.0	91.00	269.65	4,515.4	-24.3	-3,947.9	3,948.0	0.00	0.00	0.00
8,400.0	91.00	269.65	4,513.6	-24.9	-4,047.9	4,048.0	0.00	0.00	0.00
8,500.0	91.00	269.65	4,511.9	-25.5	-4,147.9	4,148.0	0.00	0.00	0.00
8,600.0	91.00	269.65	4,510.2	-26.1	-4,247.9	4,248.0	0.00	0.00	0.00
8,700.0	91.00	269.65	4,508.4	-26.7	-4,347.9	4,347.9	0.00	0.00	0.00
8,800.0	91.00	269.65	4,506.7	-27.4	-4,447.8	4,447.9	0.00	0.00	0.00
8,900.0	91.00	269.65	4,504.9	-28.0	-4,547.8	4,547.9	0.00	0.00	0.00
9,000.0	91.00	269.65	4,503.2	-28.6	-4,647.8	4,647.9	0.00	0.00	0.00
9,067.6	91.00	269.65	4,502.0	-29.0	-4,715.4	4,715.5	0.00	0.00	0.00
PBHL, 9067.6' MD, 4502' TVD									



COG Operating LLC
Planning Report

Database:	EDM_Users	Local Coordinate Reference:	Well HOBGOLIN 7 FED COM #11H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3683+12 @ 3695.0usft (TBD)
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Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOLIN 7 FED COM #11H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
PBHL-Hobgoblin 7 Fed (	- plan hits target center	0.00	0.00	4,502.0	-29.0	-4,715.4	674,996.40	596,805.00	32° 51' 18.907 N 104° 1' 5.136 W
- Point									

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,054.1	4,054.1	0.0	0.0	EST. KOP, 4054.1' MD
4,502.3	4,449.0	-1.1	-181.2	PP, 4502.3' MD
4,881.5	4,575.0	-3.3	-530.0	EOC, 4881.5' MD, 4575' TVD, 91° INC, 269.6° AZI
9,067.6	4,502.0	-29.0	-4,715.4	PBHL, 9067.6' MD, 4502' TVD