

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICTAUG 10 2015
OCD ArtesiaFORM 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.**

5. Lease Serial No. NMNM7752
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. HOBGOBLIN 7 FEDERAL COM 13H
9. API Well No. 30-015-41814-00-X1
10. Field and Pool, or Exploratory LOCO HILLS
11. County or Parish, and State EDDY COUNTY, NM

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	
2. Name of Operator COG OPERATING LLC	
Contact: KELLY J HOLLY E-Mail: kholly@concho.com	
3a. Address ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432.685.4384
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T17S R30E SENE 1650FNL 0150FEL 32.851660 N Lat, 104.002740 W Lon	

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 recompletion 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 is follows:

FROM: 4552' TVD; 9121' MD; EOC 4625' TVD
TO: 4502' TVD; 9070' MD; EOC 4575' TVD

A revised directional plan are attached.

OCD 8/12/15
Accepted for record
MAGCD

original COAs still stand

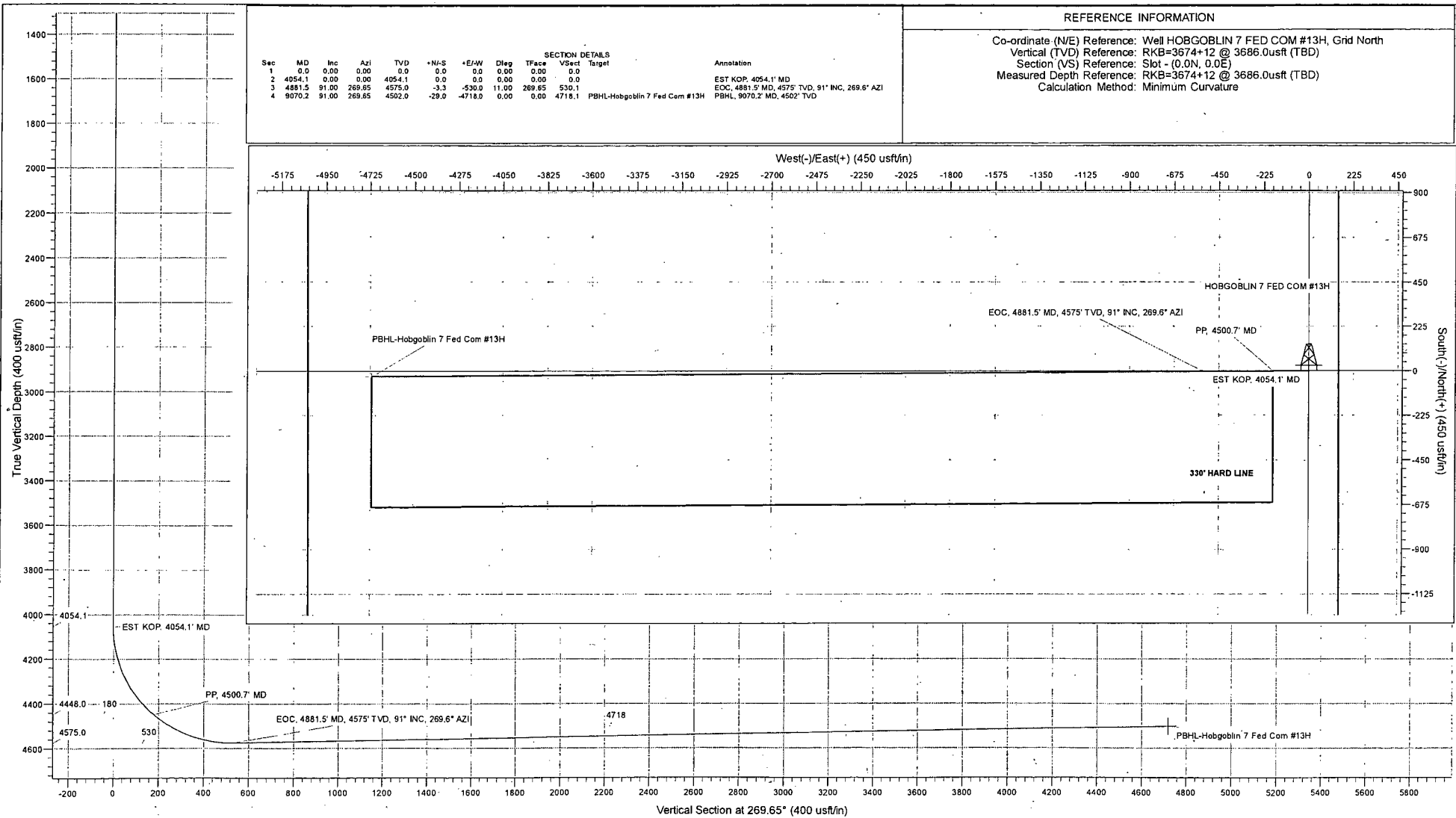
additional cement may be needed on 7x5-1/2" casing,
~ 2% excess

14. I hereby certify that the foregoing is true and correct. Electronic Submission #311790 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 08/06/2015 (15JAS0471SE)	
Name (Printed/Typed) KELLY J HOLLY	Title PERMITTING TECH
Signature (Electronic Submission)	Date 08/06/2015
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: HOBGOBLIN 7 FED COM #13H
 Wellbore: OWB
 Design: PWP0





**COG Operating LLC
NEW MEXICO SHELF**

EDDY COUNTY, NM

LOCO HILLS

HOBGOBLIN 7 FED COM #13H

OWB

Plan: PWP0

SHL: 1650' FNL, 150' FEL, SEC. 7, T17S, R30E, UNIT H

PP: 1650' FNL, 330' FEL, SEC. 7, T17S, R30E, UNIT H

BHL: 1650' FNL, 330' FWL, SEC. 7, T17S, R30E, LOT 2

Standard Planning Report

19 May, 2015



COG Operating LLC
Planning Report

Database:	EDM Users	Local Co-ordinate Reference:	Well: HOBGOBLIN 7 FED.COM #13H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3674+12 @ 36860usft (TBD)
Project:	EDDY COUNTY, NM	MD Reference:	RKB=3674+12 @ 36860usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOBLIN 7 FED.COM #13H	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:	Map	Northings:	674,351.30 usft
From:		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:	HOBGOBLIN 7 FED.COM #13H		
Well Position	+N-S	-645.6 usft	Northings:
	+E-W	-132.8 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 51' 5.992 N
		Longitude:	104° 0' 9.851 W
		Ground Level:	3,674.0 usft

Wellbore:	OWB		
Magnetics	Model Name	Sample Date	Declination
			(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
	WMM_2005	12/31/2009	8.00
			60.73
			49,116

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	Inclination	Azimuth	Vertical	+N/S	+E/W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	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	
9,070.2	91.00	269.65	4,502.0	-29.0	-4,718.0	0.00	0.00	0.00	0.00	PBHL-Hobgoblin 7 Fe



COG Operating LLC

Planning Report

Database:	EDM Users	Local Co-ordinate Reference:	Well: HOBGOBLIN 7 FED COM #13H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3674+12 @ 3686.0usft (TBD)
Project:	EDDY COUNTY NM	MD Reference:	RKB=3674+12 @ 3686.0usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOBLIN 7 FED COM #13H	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
4,500.7	49.12	269.65	4,448.0	-1.1	-180.0	180.0	11.00	11.00	0.00
PP 4500.7 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: HOBGOBLIN 7 FED COM #13H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3674+12 @ 3686.0usft (TBD)
Project:	EDDY COUNTY NM	MD Reference:	RKB=3674+12 @ 3686.0usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOBLIN 7 FED COM #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	RWR0		

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	0.01	0.01	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	4,553.8	-10.7	-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	4,541.6	-15.0	-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	4,529.4	-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	4,525.9	-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	4,520.7	-22.4	-3,648.0	3,648.1	0.00	0.00	0.00	
8,100.0	91.00	269.65	4,518.9	-23.0	-3,748.0	3,748.0	0.00	0.00	0.00	
8,200.0	91.00	269.65	4,517.2	-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	4,513.7	-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	4,508.5	-26.7	-4,347.9	4,347.9	0.00	0.00	0.00	
8,800.0	91.00	269.65	4,506.7	-27.3	-4,447.8	4,447.9	0.00	0.00	0.00	
8,900.0	91.00	269.65	4,505.0	-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	
9,070.2	91.00	269.65	4,502.0	-29.0	-4,718.0	4,718.1	0.00	0.00	0.00	
PBHL 9070.2 MD 4502 TVD										



COG Operating LLC

Planning Report

Database:	EDM Users	Local Co-ordinate Reference:	Well: HOBGOBLIN 7 FED COM #13H
Company:	NEW MEXICO SHELF	TVD Reference:	RKB=3674+12 @ 3686.0usft (TBD)
Project:	EDDY COUNTY NM	MD Reference:	RKB=3674+12 @ 3686.0usft (TBD)
Site:	LOCO HILLS	North Reference:	Grid
Well:	HOBGOBLIN 7 FED COM #13H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Design Targets									
Target Name	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
Shape									
PBHL-Hobgoblin 7 Fed (	0.00	0.00	4,502.0	-29.0	-4,718.0	673,676.70	596,807.00	32° 51' 5.848 N	104° 1' 5.159 W
- plan hits target center									
- Point									

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)	
4,054.1	4,054.1	0.0	0.0	EST KOP. 4054.1' MD
4,500.7	4,448.0	-1.1	-180.0	PP, 4500.7' MD
4,881.5	4,575.0	-3.3	-530.0	EOC, 4881.5' MD, 4575' TVD, 91° INC, 269.6° AZI
9,070.2	4,502.0	-29.0	-4,718.0	PBHL, 9070.2' MD, 4502' TVD