

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMNM7752

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

HOBGOBLIN 7 FEDERAL COM LBB 4H

2. Name of Operator

COG OPERATING LLC

Contact: ROBYN ODOM

E-Mail: rodom@conchoresources.com

9. API Well No.

30-015-41815-00-X1

3a. Address

ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432-685-4385

10. Field and Pool, or Exploratory
LOCO HILLS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 7 T17S R30E SENE 2310FNL 0150FEL
32.849850 N Lat, 104.002740 W Lon

11. County or Parish, and State

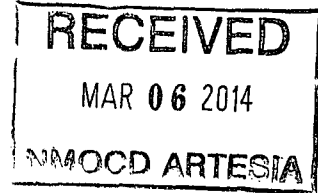
EDDY COUNTY, NM

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 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 recomple 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 production string as follows:
Drill 8-3/4" hole and kick off at +/-4579', building curve at 11degrees/100' over +/-828 to horizontal at 5406'MD/5100'TVD Az 269.68degrees. Drill 7-7/8" lateral section in a Westerly direction for +/-4188' lateral to TD at +/-9596'MD/5027'TVD. Run 5-1/2" production casing. 5-1/2" casing will be run from surface to TD and will be isolated with a single stage cement job. Cement will be calculated to surface (minimum tie-back is 200' into 8-5/8" intermediate.)
Attached is the revised directional plan.



Original COAs still stand

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #233088 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by JENNIFER MASON on 02/06/2014 (14JAM0126SE)

Name (Printed/Typed) ROBYN ODOM

Title PERSON RESPONSIBLE

Signature

(Electronic Submission)

Date 01/23/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE **APPROVED**

Approved By

Title

Date

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

FEB 28 2014
CARLSBAD FIELD OFFICE

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

COG OPERATING, LLC

Eddy County, NM

Hobgoblin Federal Com UBB #4H

4H

Lateral

Plan: Plan #2

Standard Planning Report

18 December, 2013

Section Distances

Sec7,T17S,R30E

SHL - Unit H

2309.4'FNL, 150.1'FEL

PP

2309.3'FNL, 330.0'FEL

PBHL - Lot 2

2306.4'FNL, 330.0'FWL

COG OPERATING, LLC

Field: Eddy County, NM
 Site: Hobgoblin Federal Com UBB #4H
 Well: 4H
 Wellbore: Lateral
 Plan: Plan #2

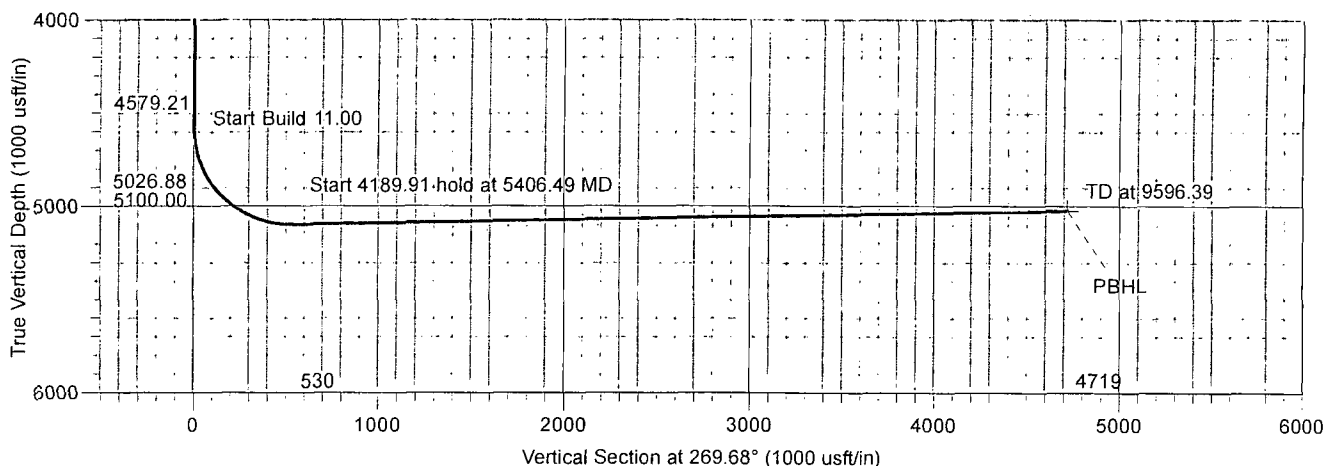
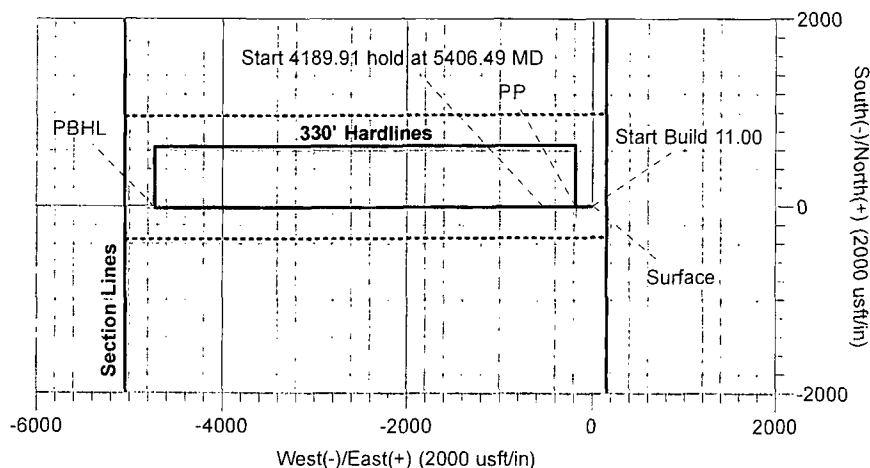


Azimuths to Grid North
 True North: -0.18°
 Magnetic North: 7.34°

Magnetic Field
 Strength: 48692.2snT
 Dip Angle: 60.63°
 Date: 12/18/2013
 Model: IGRF2010

Section Distances

Sec7,T17S,R30E
 SHL - Unit H
 2309.4'FNL, 150.1'FEL
 PP
 2309.3'FNL, 330.0'FEL
 PBHL - Lot 2
 2306.4'FNL, 330.0'FWL



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Hobgoblin 4H PP	0.00	-1.00	-179.89	673045.02	601347.34	32° 50' 59.46 N	104° 0' 11.96 W	Point
Hobgoblin 4H Surface	0.00	0.00	0.00	673046.02	601527.23	32° 50' 59.46 N	104° 0' 9.85 W	Point
Hobgoblin 4H PBHL	5026.88	-26.20	-4719.16	673019.82	596808.07	32° 50' 59.35 N	104° 1' 5.17 W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4579.21	0.00	0.00	4579.21	0.00	0.00	0.00	0.00	0.00	
3	5406.49	91.00	269.68	5100.00	-2.94	-529.95	11.00	269.68	529.96	
4	9596.39	91.00	269.68	5026.88	-26.20	-4719.16	0.00	0.00	4719.23	Hobgoblin 4H PBHL



ARCHER DIRECTIONAL DRILLING SERVICES
 12101 Cutten Rd. Houston, Texas 77066
 Phone: 281-301-2600 Fax: 281-301-2795

Design: Plan #2 (4H/Lateral)
 Created By: Yvonne Gonzalez
 Date: 17:13, December 18 2013

Archer

Planning Report

Database:	EDM R5000.1 MULTI	Local Co-ordinate Reference:	Well 4H
Company:	COG OPERATING, LLC	TVD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
Site:	Hobgoblin Federal Com UBB #4H	North Reference:	Grid
Well:	4H	Survey/Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

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:		Hobgoblin Federal Com UBB #4H			
Site Position:		Northing:	673,046.01 usft	Latitude:	32° 50' 59.46 N
From:	Map	Easting:	601,527.23 usft	Longitude:	104° 0' 9.85 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.18 °

Well:	4H					
Well Position	+N/-S	0.00 usft	Northing:	673,046.01 usft	Latitude:	32° 50' 59.46 N
	+E/-W	0.00 usft	Easting:	601,527.23 usft	Longitude:	104° 0' 9.85 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	3,671.00 usft

Wellbore		Lateral			
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	12/18/2013	7.52	60.63	48,692

Design:		Plan #2		
Audit Notes:				
Version:		Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	269.68

Plan Sections										
Measured										
Depth	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
(usft)	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,579.21	0.00	0.00	4,579.21	0.00	0.00	0.00	0.00	0.00	0.00	
5,406.49	91.00	269.68	5,100.00	-2.94	-529.95	11.00	11.00	0.00	269.68	
9,596.39	91.00	269.68	5,026.88	-26.20	-4,719.16	0.00	0.00	0.00	0.00	Hobgoblin 4H PBHL

Archer

Planning Report

Database:	EDM R5000.1.MULTI	Local Co-ordinate Reference:	Well 4H
Company:	COG OPERATING, LLC	TVD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
Site:	Hobgoblin Federal Com UBB #4H	North Reference:	Grid
Well:	4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

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
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,579.21	0.00	0.00	4,579.21	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 11.00									
4,600.00	2.29	269.68	4,599.99	0.00	-0.41	0.41	11.00	11.00	0.00
4,650.00	7.79	269.68	4,649.78	-0.03	-4.80	4.80	11.00	11.00	0.00
4,700.00	13.29	269.68	4,698.92	-0.08	-13.94	13.94	11.00	11.00	0.00
4,750.00	18.79	269.68	4,746.96	-0.15	-27.75	27.75	11.00	11.00	0.00
4,800.00	24.29	269.68	4,793.45	-0.26	-46.10	46.10	11.00	11.00	0.00
4,850.00	29.79	269.68	4,837.97	-0.38	-68.82	68.82	11.00	11.00	0.00

Archer

Planning Report

Database:	EDM R5000.1 MULTI	Local Co-ordinate Reference:	Well 4H
Company:	COG OPERATING, LLC	TVD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
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Wellbore:	Lateral		
Design:	Plan #2		

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)	
4,900.00	35.29	269.68	4,880.10	-0.53	-95.70	95.70	11.00	11.00	0.00	
4,950.00	40.79	269.68	4,919.47	-0.70	-126.49	126.49	11.00	11.00	0.00	
5,000.00	46.29	269.68	4,955.70	-0.89	-160.92	160.92	11.00	11.00	0.00	
5,050.00	51.79	269.68	4,988.47	-1.10	-198.66	198.66	11.00	11.00	0.00	
5,100.00	57.29	269.68	5,017.47	-1.33	-239.37	239.37	11.00	11.00	0.00	
5,150.00	62.79	269.68	5,042.43	-1.57	-282.67	282.67	11.00	11.00	0.00	
5,200.00	68.29	269.68	5,063.13	-1.82	-328.16	328.17	11.00	11.00	0.00	
5,250.00	73.79	269.68	5,079.37	-2.08	-375.43	375.44	11.00	11.00	0.00	
5,300.00	79.29	269.68	5,091.00	-2.35	-424.04	424.04	11.00	11.00	0.00	
5,350.00	84.79	269.68	5,097.93	-2.63	-473.53	473.54	11.00	11.00	0.00	
5,400.00	90.29	269.68	5,100.08	-2.91	-523.47	523.48	11.00	11.00	0.00	
5,406.49	91.00	269.68	5,100.00	-2.94	-529.95	529.96	11.00	11.00	0.00	
Start 4189.91 hold at 5406.49 MD										
5,500.00	91.00	269.68	5,098.37	-3.46	-623.45	623.46	0.00	0.00	0.00	
5,600.00	91.00	269.68	5,096.63	-4.02	-723.44	723.45	0.00	0.00	0.00	
5,700.00	91.00	269.68	5,094.88	-4.57	-823.42	823.43	0.00	0.00	0.00	
5,800.00	91.00	269.68	5,093.14	-5.13	-923.40	923.42	0.00	0.00	0.00	
5,900.00	91.00	269.68	5,091.39	-5.68	-1,023.38	1,023.40	0.00	0.00	0.00	
6,000.00	91.00	269.68	5,089.65	-6.24	-1,123.37	1,123.39	0.00	0.00	0.00	
6,100.00	91.00	269.68	5,087.90	-6.79	-1,223.35	1,223.37	0.00	0.00	0.00	
6,200.00	91.00	269.68	5,086.16	-7.35	-1,323.33	1,323.36	0.00	0.00	0.00	
6,300.00	91.00	269.68	5,084.41	-7.90	-1,423.32	1,423.34	0.00	0.00	0.00	
6,400.00	91.00	269.68	5,082.66	-8.46	-1,523.30	1,523.32	0.00	0.00	0.00	
6,500.00	91.00	269.68	5,080.92	-9.01	-1,623.28	1,623.31	0.00	0.00	0.00	
6,600.00	91.00	269.68	5,079.17	-9.57	-1,723.27	1,723.29	0.00	0.00	0.00	
6,700.00	91.00	269.68	5,077.43	-10.12	-1,823.25	1,823.28	0.00	0.00	0.00	
6,800.00	91.00	269.68	5,075.68	-10.68	-1,923.23	1,923.26	0.00	0.00	0.00	
6,900.00	91.00	269.68	5,073.94	-11.23	-2,023.22	2,023.25	0.00	0.00	0.00	
7,000.00	91.00	269.68	5,072.19	-11.79	-2,123.20	2,123.23	0.00	0.00	0.00	
7,100.00	91.00	269.68	5,070.45	-12.34	-2,223.18	2,223.22	0.00	0.00	0.00	
7,200.00	91.00	269.68	5,068.70	-12.90	-2,323.17	2,323.20	0.00	0.00	0.00	
7,300.00	91.00	269.68	5,066.96	-13.45	-2,423.15	2,423.19	0.00	0.00	0.00	
7,400.00	91.00	269.68	5,065.21	-14.01	-2,523.13	2,523.17	0.00	0.00	0.00	
7,500.00	91.00	269.68	5,063.47	-14.56	-2,623.12	2,623.16	0.00	0.00	0.00	
7,600.00	91.00	269.68	5,061.72	-15.12	-2,723.10	2,723.14	0.00	0.00	0.00	
7,700.00	91.00	269.68	5,059.98	-15.67	-2,823.08	2,823.13	0.00	0.00	0.00	
7,800.00	91.00	269.68	5,058.23	-16.23	-2,923.07	2,923.11	0.00	0.00	0.00	
7,900.00	91.00	269.68	5,056.49	-16.78	-3,023.05	3,023.10	0.00	0.00	0.00	
8,000.00	91.00	269.68	5,054.74	-17.34	-3,123.03	3,123.08	0.00	0.00	0.00	
8,100.00	91.00	269.68	5,053.00	-17.90	-3,223.02	3,223.07	0.00	0.00	0.00	
8,200.00	91.00	269.68	5,051.25	-18.45	-3,323.00	3,323.05	0.00	0.00	0.00	
8,300.00	91.00	269.68	5,049.51	-19.01	-3,422.98	3,423.04	0.00	0.00	0.00	
8,400.00	91.00	269.68	5,047.76	-19.56	-3,522.97	3,523.02	0.00	0.00	0.00	
8,500.00	91.00	269.68	5,046.01	-20.12	-3,622.95	3,623.00	0.00	0.00	0.00	
8,600.00	91.00	269.68	5,044.27	-20.67	-3,722.93	3,722.99	0.00	0.00	0.00	
8,700.00	91.00	269.68	5,042.52	-21.23	-3,822.92	3,822.97	0.00	0.00	0.00	
8,800.00	91.00	269.68	5,040.78	-21.78	-3,922.90	3,922.96	0.00	0.00	0.00	
8,900.00	91.00	269.68	5,039.03	-22.34	-4,022.88	4,022.94	0.00	0.00	0.00	
9,000.00	91.00	269.68	5,037.29	-22.89	-4,122.87	4,122.93	0.00	0.00	0.00	
9,100.00	91.00	269.68	5,035.54	-23.45	-4,222.85	4,222.91	0.00	0.00	0.00	
9,200.00	91.00	269.68	5,033.80	-24.00	-4,322.83	4,322.90	0.00	0.00	0.00	
9,300.00	91.00	269.68	5,032.05	-24.56	-4,422.81	4,422.88	0.00	0.00	0.00	
9,400.00	91.00	269.68	5,030.31	-25.11	-4,522.80	4,522.87	0.00	0.00	0.00	

Archer

Planning Report

Database:	EDM R5000.1 MULTI	Local Co-ordinate Reference:	Well 4H
Company:	COG OPERATING, LLC	TVD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
Project:	Eddy County, NM	MD Reference:	3671'GL+14'KB @ 3685.00usft (Planning)
Site:	Hobgoblin Federal Com UBB #4H	North Reference:	Grid
Well:	4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #2		

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)
9,500.00	91.00	269.68	5,028.56	-25.67	-4,622.78	4,622.85	0.00	0.00	0.00
9,596.39	91.00	269.68	5,026.88	-26.20	-4,719.16	4,719.23	0.00	0.00	0.00
TD at 9596.39									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	
Hobgoblin 4H PP		0.00	0.00	0.00	-1.00	-179.89	673,045.01	601,347.34	32° 50' 59.46 N
- plan misses target center by 179.89usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)									
- Point									
Hobgoblin 4H Surface		0.00	0.00	0.00	0.00	0.00	673,046.01	601,527.23	32° 50' 59.46 N
- plan hits target center									
- Point									
Hobgoblin 4H PBHL		0.00	0.00	5,026.88	-26.20	-4,719.16	673,019.81	596,808.07	32° 50' 59.35 N
- plan hits target center									
- Point									

Plan Annotations:				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,579.21	4,579.21	0.00	0.00	Start Build 11.00
5,406.49	5,100.00	-2.94	-529.95	Start 4189.91 hold at 5406.49 MD
9,596.39	5,026.88	-26.20	-4,719.16	TD at 9596.39