

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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.
NMNM0315713

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 ☐ Other2. Name of Operator
COG OPERATING LLCContact: KELLY J HOLLY
E-Mail: kholly@conchoresources.com8. Well Name and No.
BRANEX-COG FEDERAL COM 7H9. API Well No.
30-025-41006-00-X13a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-42873b. Phone No. (include area code)
Ph: 432.685.438510. Field and Pool, or Exploratory
MALJAMAR

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

Sec 9 T17S R32E SWSW 1025FSL 330FWL

11. County or Parish, and State

LEA 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 recomplete 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 to change the TVD:

FROM: 6578' TVD ; 11077' MD

TO: 6229' TVD; 10710' MD

Attached is the revised directional plan.

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

**Electronic Submission #246761 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by LINDA JIMENEZ on 06/10/2014 (14LJ0232SE)**

Name (Printed/Typed) KELLY J HOLLY

Title PERMITTING TECH

Signature (Electronic Submission)

Date 05/23/2014

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

JUN 25 2014
Is/Chris Walls
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Date

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 ****

JUL 01 2014

COG OPERATING, LLC

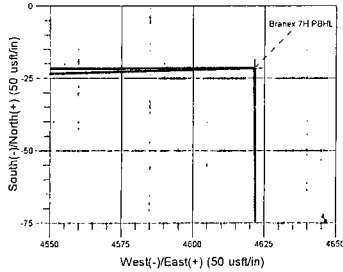
Field: Lea County, NM
 Site: Branex-COG Federal Com 7H
 Well: 7H
 Wellbore: Lateral
 Plan: Plan #1a

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5779.21	0.00	0.00	5779.21	0.00	0.00	0.00	0.00	0.00	
3	6506.48	91.00	100.08	6300.00	-92.76	521.78	11.00	100.08	522.21	
4	6593.85	91.00	88.46	6293.22	-121.53	907.35	3.00	-89.91	907.91	
5	10709.91	91.00	88.46	6228.50	-21.50	4621.50	0.00	0.00	4621.55	Branex 7H PBHL

TARGET DETAILS

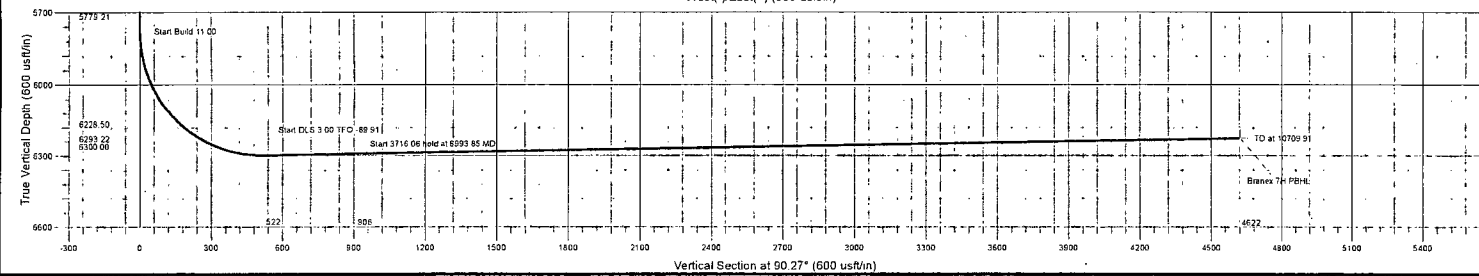
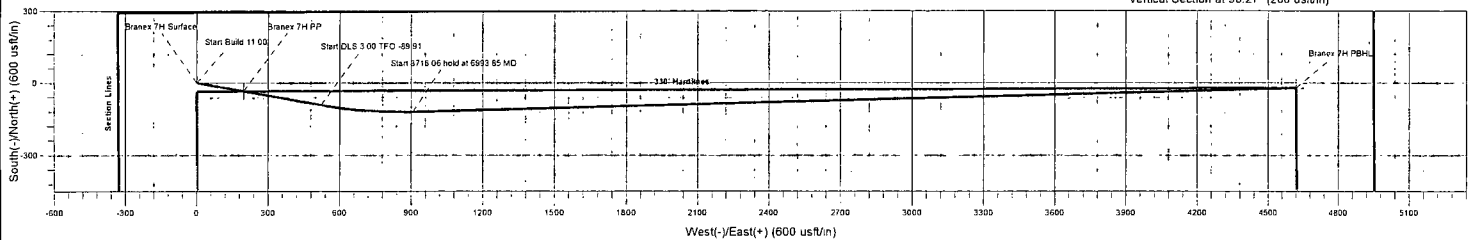
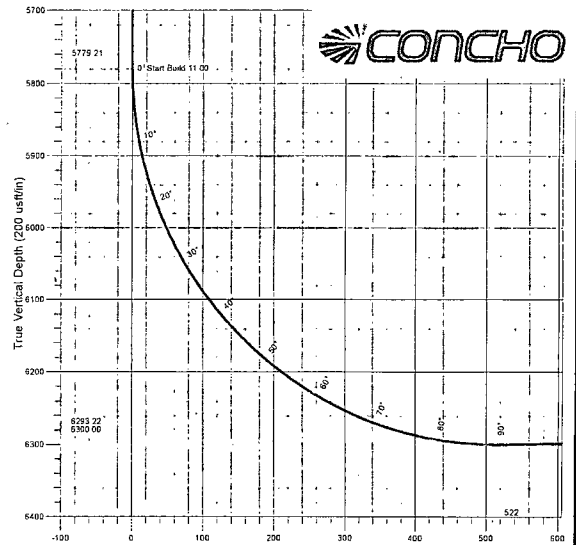
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
Branex 7H PP	0.00	-34.99	195.82	671390.61	670606.12	32° 50' 40.22 N	103° 46' 40.20 W	Point
Branex 7H Surface	0.00	0.00	0.00	671425.80	670409.30	32° 50' 40.58 N	103° 46' 42.51 W	Point
Branex 7H PBHL	6228.50	-21.50	4621.50	671404.30	675030.80	32° 50' 40.12 N	103° 45' 48.34 W	Point



Section Distances
 Sec9.T17S.R32E
 SHL - Unit M
 1025FSL, 330'FWL
 990FSL, 527'FWL
 PBHL - Unit P
 990FSL, 330'FEL



Azimuths to Grid North
 True North: -0.30°
 Magnetic North: 7.07°
 Magnetic Field
 Strength: 48658 Gauss
 Dip Angle: 60.65°
 Date: 5/20/2014
 Model: IGRF2010



Archer

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

Design: Plan #1a (7H/Lateral)
 Created By: Ivonne Gonzalez
 Date: 10:58, May 20 2014

HOBBS OCD

JUN 30 2014

RECEIVED

COG OPERATING, LLC

Lea County, NM

Branex-COG Federal Com 7H

7H

Lateral

Plan: Plan #1a

Standard Planning Report

20 May, 2014

Section Distances
Sec9,T17S,R32E
SHL - Unit M
1025'FSL, 330'FWL
PP
990'FSL, 527'FWL
PBHL - Unit P
990'FSL, 330'FEL

Archer

Planning Report

Database:	EDM R5000.1 MULTI	Local Co-ordinate Reference:	Well 7H
Company:	COG OPERATING, LLC	TVD Reference:	4059'GL+18'KB @ 4077.00usft (Planning)
Project:	Lea County, NM	MD Reference:	4059'GL+18'KB @ 4077.00usft (Planning)
Site:	Branex-COG Federal Com 7H	North Reference:	Grid
Well:	7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1a		

Project:	Lea 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 Branex-COG Federal Com 7H					
Site Position:		Northing:	671,425.80 usft	Latitude:	32° 50' 40.58 N
From:	Map	Easting:	670,409.30 usft	Longitude:	103° 46' 42.51 W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.30 °

Well	7H					
Well Position	+N/-S	0.00 usft	Northing:	671,425.80 usft	Latitude:	32° 50' 40.58 N
	+E/-W	0.00 usft	Easting:	670,409.30 usft	Longitude:	103° 46' 42.51 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level:	4,059.00 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/20/2014	7.37	60.65	48,669

Design:	Plan #1a			
Audit Notes:	p1a for PP			
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	90.27

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,779.21	0.00	0.00	5,779.21	0.00	0.00	0.00	0.00	0.00	0.00	
6,606.48	91.00	100.08	6,300.00	-92.76	521.78	11.00	11.00	0.00	100.08	
6,993.85	91.00	88.46	6,293.22	-121.53	907.35	3.00	0.00	-3.00	-89.91	
10,709.91	91.00	88.46	6,228.50	-21.50	4,621.50	0.00	0.00	0.00	0.00	Branex 7H PBHL

Archer

Planning Report

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Project:	Lea County, NM	MD Reference:	4059'GL+18'KB @ 4077.00usft (Planning)
Site:	Branex-COG Federal Com 7H	North Reference:	Grid
Well:	7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1a		

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	
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	

Archer

Planning Report

Database:	EDM.R5000.1 MULTI	Local Co-ordinate Reference:	Well 7H
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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)	
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,779.21	0.00	0.00	5,779.21	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 11.00										
5,800.00	2.29	100.08	5,799.99	-0.07	0.41	0.41	11.00	11.00	0.00	
5,850.00	7.79	100.08	5,849.78	-0.84	4.73	4.73	11.00	11.00	0.00	
5,900.00	13.29	100.08	5,898.92	-2.44	13.73	13.74	11.00	11.00	0.00	
5,950.00	18.79	100.08	5,946.96	-4.86	27.32	27.34	11.00	11.00	0.00	
6,000.00	24.29	100.08	5,993.45	-8.07	45.39	45.42	11.00	11.00	0.00	
6,050.00	29.79	100.08	6,037.97	-12.04	67.76	67.81	11.00	11.00	0.00	
6,100.00	35.29	100.08	6,080.10	-16.75	94.22	94.30	11.00	11.00	0.00	
6,150.00	40.79	100.08	6,119.47	-22.14	124.54	124.65	11.00	11.00	0.00	
6,200.00	46.29	100.08	6,155.70	-28.17	158.44	158.57	11.00	11.00	0.00	
6,250.00	51.79	100.08	6,188.47	-34.77	195.60	195.76	11.00	11.00	0.00	
6,300.00	57.29	100.08	6,217.46	-41.90	235.68	235.87	11.00	11.00	0.00	
6,350.00	62.79	100.08	6,242.43	-49.47	278.31	278.54	11.00	11.00	0.00	
6,400.00	68.29	100.08	6,263.12	-57.44	323.10	323.37	11.00	11.00	0.00	
6,450.00	73.79	100.08	6,279.37	-65.71	369.64	369.94	11.00	11.00	0.00	
6,500.00	79.29	100.08	6,291.00	-74.22	417.50	417.84	11.00	11.00	0.00	
6,550.00	84.79	100.08	6,297.93	-82.88	466.23	466.62	11.00	11.00	0.00	
6,600.00	90.29	100.08	6,300.07	-91.62	515.40	515.82	11.00	11.00	0.00	
6,606.48	91.00	100.08	6,300.00	-92.76	521.78	522.21	11.00	11.00	0.00	
Start DLS 3.00 TFO -89.91										
6,700.00	91.00	97.27	6,298.37	-106.86	614.20	614.69	3.00	0.00	-3.00	
6,800.00	91.00	94.27	6,296.61	-116.92	713.67	714.21	3.00	0.00	-3.00	
6,900.00	91.00	91.27	6,294.86	-121.76	813.53	814.08	3.00	0.00	-3.00	
6,993.85	91.00	88.46	6,293.22	-121.53	907.35	907.91	3.00	0.00	-3.00	
Start 3716.06 hold at 6993.85 MD										
7,000.00	91.00	88.46	6,293.12	-121.37	913.50	914.05	0.00	0.00	0.00	
7,100.00	91.00	88.46	6,291.38	-118.68	1,013.45	1,013.99	0.00	0.00	0.00	
7,200.00	91.00	88.46	6,289.63	-115.98	1,113.40	1,113.92	0.00	0.00	0.00	
7,300.00	91.00	88.46	6,287.89	-113.29	1,213.35	1,213.86	0.00	0.00	0.00	
7,400.00	91.00	88.46	6,286.15	-110.60	1,313.29	1,313.79	0.00	0.00	0.00	
7,500.00	91.00	88.46	6,284.41	-107.91	1,413.24	1,413.73	0.00	0.00	0.00	
7,600.00	91.00	88.46	6,282.67	-105.22	1,513.19	1,513.66	0.00	0.00	0.00	
7,700.00	91.00	88.46	6,280.93	-102.53	1,613.14	1,613.60	0.00	0.00	0.00	
7,800.00	91.00	88.46	6,279.18	-99.83	1,713.09	1,713.53	0.00	0.00	0.00	
7,900.00	91.00	88.46	6,277.44	-97.14	1,813.04	1,813.47	0.00	0.00	0.00	
8,000.00	91.00	88.46	6,275.70	-94.45	1,912.99	1,913.40	0.00	0.00	0.00	
8,100.00	91.00	88.46	6,273.96	-91.76	2,012.93	2,013.34	0.00	0.00	0.00	
8,200.00	91.00	88.46	6,272.22	-89.07	2,112.88	2,113.27	0.00	0.00	0.00	
8,300.00	91.00	88.46	6,270.47	-86.37	2,212.83	2,213.21	0.00	0.00	0.00	
8,400.00	91.00	88.46	6,268.73	-83.68	2,312.78	2,313.14	0.00	0.00	0.00	
8,500.00	91.00	88.46	6,266.99	-80.99	2,412.73	2,413.08	0.00	0.00	0.00	
8,600.00	91.00	88.46	6,265.25	-78.30	2,512.68	2,513.01	0.00	0.00	0.00	
8,700.00	91.00	88.46	6,263.51	-75.61	2,612.63	2,612.95	0.00	0.00	0.00	
8,800.00	91.00	88.46	6,261.77	-72.91	2,712.57	2,712.88	0.00	0.00	0.00	
8,900.00	91.00	88.46	6,260.02	-70.22	2,812.52	2,812.82	0.00	0.00	0.00	
9,000.00	91.00	88.46	6,258.28	-67.53	2,912.47	2,912.75	0.00	0.00	0.00	
9,100.00	91.00	88.46	6,256.54	-64.84	3,012.42	3,012.69	0.00	0.00	0.00	
9,200.00	91.00	88.46	6,254.80	-62.15	3,112.37	3,112.62	0.00	0.00	0.00	

Archer

Planning Report

Database:	EDM R5000.1 MULTI	Local Co-ordinate Reference:	Well 7H
Company:	COG OPERATING, LLC	TVD Reference:	4059'GL+18'KB @ 4077.00usft (Planning)
Project:	Lea County, NM	MD Reference:	4059'GL+18'KB @ 4077.00usft (Planning)
Site:	Branex-COG Federal Com 7H	North Reference:	Grid
Well:	7H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral		
Design:	Plan #1a		

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)
9,300.00	91.00	88.46	6,253.06	-59.46	3,212.32	3,212.56	0.00	0.00	0.00
9,400.00	91.00	88.46	6,251.32	-56.76	3,312.27	3,312.49	0.00	0.00	0.00
9,500.00	91.00	88.46	6,249.57	-54.07	3,412.21	3,412.43	0.00	0.00	0.00
9,600.00	91.00	88.46	6,247.83	-51.38	3,512.16	3,512.36	0.00	0.00	0.00
9,700.00	91.00	88.46	6,246.09	-48.69	3,612.11	3,612.30	0.00	0.00	0.00
9,800.00	91.00	88.46	6,244.35	-46.00	3,712.06	3,712.23	0.00	0.00	0.00
9,900.00	91.00	88.46	6,242.61	-43.30	3,812.01	3,812.17	0.00	0.00	0.00
10,000.00	91.00	88.46	6,240.86	-40.61	3,911.96	3,912.10	0.00	0.00	0.00
10,100.00	91.00	88.46	6,239.12	-37.92	4,011.91	4,012.04	0.00	0.00	0.00
10,200.00	91.00	88.46	6,237.38	-35.23	4,111.85	4,111.97	0.00	0.00	0.00
10,300.00	91.00	88.46	6,235.64	-32.54	4,211.80	4,211.91	0.00	0.00	0.00
10,400.00	91.00	88.46	6,233.90	-29.84	4,311.75	4,311.84	0.00	0.00	0.00
10,500.00	91.00	88.46	6,232.16	-27.15	4,411.70	4,411.78	0.00	0.00	0.00
10,600.00	91.00	88.46	6,230.41	-24.46	4,511.65	4,511.71	0.00	0.00	0.00
10,709.91	91.00	88.46	6,228.50	-21.50	4,621.50	4,621.55	0.00	0.00	0.00

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
Branex 7H PP	- plan misses target center by 199.90usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E) - Point	0.00	0.00	0.00	-34.99	196.82	671,390.81	670,606.12	32° 50' 40.22 N 103° 46' 40.20 W
Branex 7H Surface	- plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	671,425.80	670,409.30	32° 50' 40.58 N 103° 46' 42.51 W
Branex 7H PBHL	- plan hits target center - Point	0.00	0.00	6,228.50	-21.50	4,621.50	671,404.29	675,030.80	32° 50' 40.12 N 103° 45' 48.34 W

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
5,779.21	5,779.21	0.00	0.00	Start Build 11.00
6,606.48	6,300.00	-92.76	521.78	Start DLS 3.00 TFO -89.91
6,993.85	6,293.22	-121.53	907.35	Start 3716.06 hold at 6993.85 MD
10,709.91	6,228.50	-21.50	4,621.50	TD at 10709.91