

15-42647



NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 23 2015

RECEIVED

October 31, 2014

Concho Resources, Inc.
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

Attn: Kanicia Castillo

RE: Parliament 1 Federal COM UBB No. 004H

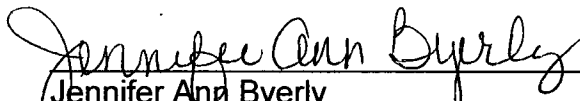
Please find enclosed a copy of the survey from 0.00' to 4316.00' ran on the above referenced well.

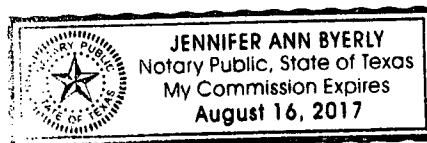
Sincerely,


Deb Salge
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 31 day of October, A.D., 2014, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas



Company: COG Operating, LLC (Concho)
Lease/Well: Parliament 1 Federal COM UBB/No. 004H



Rig Name: United 43
State/County: New Mexico /Eddy
Latitude: 32.86, Longitude: -104.02
GRID North is 0.17 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB= 12.5

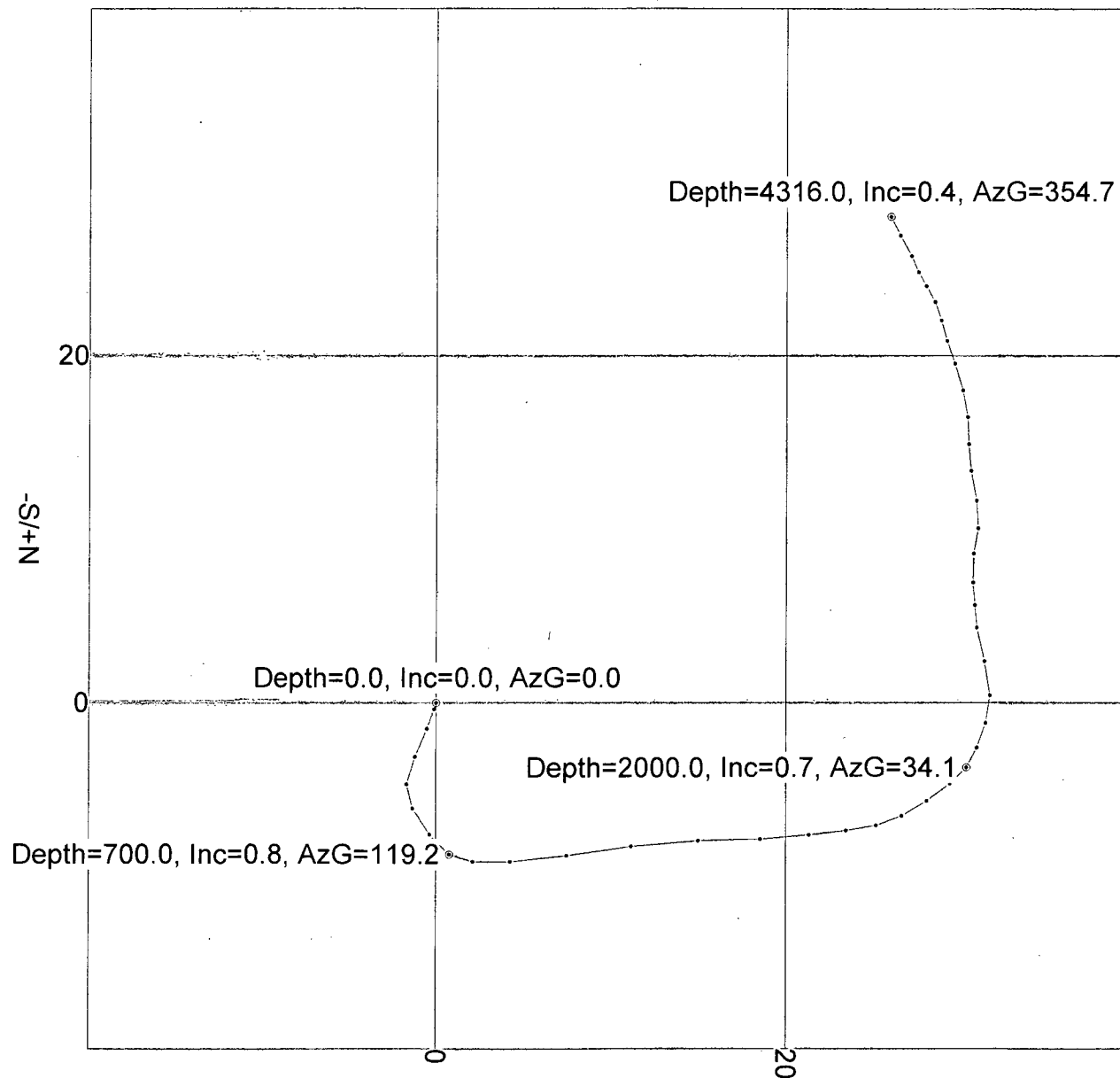
DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 10/31/2014 / 14:26

VES Survey International
West Texas
(432) 563-5444
Surveyor: Bryan Massey
Parliament 1 Federal COM UBB No. 004H / API 30-015-42647

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.44	195.37	100.00	-0.37	-0.10	-0.37	0.39	195.37	0.44
200.00	0.92	203.80	199.99	-1.49	-0.53	-1.49	1.58	199.67	0.49
300.00	1.09	201.92	299.98	-3.10	-1.21	-3.10	3.33	201.31	0.16
400.00	0.81	189.94	399.96	-4.68	-1.69	-4.68	4.98	199.81	0.33
500.00	0.95	146.88	499.95	-6.08	-1.36	-6.08	6.23	192.57	0.66
600.00	1.13	146.94	599.94	-7.60	-0.37	-7.60	7.60	182.76	0.17
700.00	0.77	119.24	699.92	-8.75	0.76	-8.75	8.78	175.06	0.57
800.00	0.87	97.46	799.91	-9.17	2.10	-9.17	9.41	167.13	0.33
900.00	1.58	85.59	899.89	-9.17	4.22	-9.17	10.09	155.26	0.75
1000.00	2.12	82.78	999.84	-8.83	7.43	-8.83	11.54	139.92	0.54
1100.00	2.17	81.04	1099.77	-8.30	11.13	-8.30	13.89	126.71	0.09
1200.00	2.23	88.88	1199.69	-7.97	14.95	-7.97	16.94	118.06	0.31
1300.00	1.85	88.64	1299.63	-7.89	18.52	-7.89	20.13	113.08	0.38
1400.00	1.35	80.64	1399.59	-7.66	21.29	-7.66	22.63	109.79	0.56
1500.00	1.11	86.04	1499.57	-7.40	23.41	-7.40	24.56	107.55	0.27
1600.00	0.89	72.77	1599.55	-7.11	25.12	-7.11	26.11	105.80	0.31
1700.00	0.90	65.95	1699.54	-6.56	26.58	-6.56	27.38	103.86	0.11
1800.00	1.03	52.66	1799.53	-5.69	28.01	-5.69	28.59	101.48	0.26

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.87	52.90	1899.51	-4.69	29.33	-4.69	29.70	99.08	0.16
2000.00	0.67	34.05	1999.50	-3.75	30.26	-3.75	30.49	97.07	0.32
2100.00	0.83	20.98	2099.49	-2.59	30.85	-2.59	30.96	94.81	0.23
2200.00	0.90	17.50	2199.48	-1.17	31.34	-1.17	31.36	92.14	0.08
2300.00	0.99	0.90	2299.47	0.44	31.59	0.44	31.59	89.21	0.29
2400.00	1.32	343.79	2399.45	2.40	31.28	2.40	31.37	85.61	0.48
2500.00	0.97	351.85	2499.43	4.35	30.84	4.35	31.14	81.98	0.39
2600.00	0.53	0.18	2599.42	5.64	30.72	5.64	31.24	79.60	0.45
2700.00	0.97	352.82	2699.41	6.94	30.62	6.94	31.39	77.23	0.45
2800.00	0.97	10.24	2799.40	8.61	30.66	8.61	31.85	74.32	0.29
2900.00	0.73	7.77	2899.39	10.07	30.90	10.07	32.50	71.94	0.24
3000.00	1.11	349.66	2999.37	11.66	30.81	11.66	32.94	69.28	0.47
3100.00	0.90	349.48	3099.36	13.38	30.50	13.38	33.30	66.31	0.20
3200.00	0.88	1.13	3199.35	14.92	30.37	14.92	33.83	63.83	0.18
3300.00	0.90	353.90	3299.33	16.47	30.30	16.47	34.49	61.47	0.11
3400.00	0.88	345.94	3399.32	18.00	30.03	18.00	35.01	59.06	0.13
3500.00	0.97	341.48	3499.31	19.55	29.57	19.55	35.45	56.54	0.12
3600.00	0.63	339.59	3599.30	20.87	29.11	20.87	35.82	54.37	0.34
3700.00	0.76	348.64	3699.29	22.04	28.79	22.04	36.25	52.56	0.17
3800.00	0.51	330.93	3799.29	23.08	28.44	23.08	36.63	50.93	0.32
3900.00	0.67	332.28	3899.28	24.00	27.95	24.00	36.84	49.35	0.16
4000.00	0.40	328.83	3999.28	24.81	27.49	24.81	37.04	47.93	0.27
4100.00	0.74	340.17	4099.27	25.73	27.09	25.73	37.36	46.48	0.36
4200.00	0.81	323.78	4199.26	26.91	26.45	26.91	37.73	44.51	0.23
4316.00	0.42	354.72	4315.25	27.99	25.93	27.99	38.16	42.81	0.43



NM OIL CONSERVATION

ARTESIA DISTRICT

FEB 23 2015

RECEIVED

COG OPERATING, LLC

Eddy County, NM

Parliament 1 Fed Com UBB 4H

4H

Lateral

Design: Surveys

Standard Survey Report

27 October, 2014

Archer

Survey Report

Company:	COG OPERATING, LLC	Local Co-ordinate Reference:	Well: 4H
Project:	Eddy County, NM	TVD Reference:	3684' GL+12' KB @ 3696.00usft (United 43)
Site:	Parliament 1 Fed Com UBB 4H	MD Reference:	3684' GL+12' KB @ 3696.00usft (United 43)
Well:	4H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM R5000.1 MULTI

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: Parliament 1 Fed Com UBB 4H					
Site Position:		Northing:		678,292.80 usft	
From:		Easting:		596,324.60 usft	
Map				Latitude: 32° 51' 51.54 N	
Position Uncertainty:		0.00 usft		Longitude: 104° 1' 10.65 W	
		Slot Radius:		13.200 in	
				Grid Convergence: 0.17 °	

Well	4H					
Well Position	+N/-S	0.00 usft	Northing:	678,292.80 usft	Latitude:	32° 51' 51.54 N
	+E/-W	0.00 usft	Easting:	596,324.60 usft	Longitude:	104° 1' 10.65 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,684.00 usft

Wellbore	Lateral				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/18/2014	7.80	60.72	48,550

Design:	Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	270.22	

Survey Program		Date	10/27/2014	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	4,316.00	Survey #1 (Lateral)	GYRO-NS	Gyrocompass Gyro
4,355.00	9,437.00	Survey #2 (Lateral)	MWD+HDGM	OWSG MWD + HDGM
9,504.00	9,504.00	Survey #3 (Lateral)	Project	Projection

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	0.44	195.37	100.00	-0.37	-0.10	0.10	0.44	0.44	0.00
200.00	0.92	203.80	199.99	-1.48	-0.53	0.52	0.49	0.48	8.43
300.00	1.09	201.92	299.98	-3.09	-1.21	1.19	0.17	0.17	-1.88
400.00	0.81	189.94	399.96	-4.67	-1.68	1.67	0.34	-0.28	-11.98
500.00	0.95	146.88	499.95	-6.06	-1.35	1.33	0.66	0.14	-43.06
600.00	1.13	146.94	599.94	-7.58	-0.36	0.33	0.18	0.18	0.06
700.00	0.77	119.24	699.92	-8.74	0.76	-0.80	0.57	-0.36	-27.70
800.00	0.87	97.46	799.91	-9.16	2.10	-2.14	0.33	0.10	-21.78

Archer

Survey Report

Company:	COG OPERATING, LLC	Local Co-ordinate Reference:	Well: 4H
Project:	Eddy County, NM	TVD Reference:	3684'GL+12'KB @ 3696'00usft (United 43)
Site:	Parliament 1 Fed Com UBB 4H	MD Reference:	3684'GL+12'KB @ 3696'00usft (United 43)
Well:	4H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM R5000.1 MULTI

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)
900.00	1.58	85.59	899.89	-9.16	4.23	-4.26	0.75	0.71	-11.87
1,000.00	2.12	82.78	999.84	-8.82	7.44	-7.47	0.55	0.54	-2.81
1,100.00	2.17	81.04	1,099.77	-8.29	11.14	-11.18	0.08	0.05	-1.74
1,200.00	2.23	88.88	1,199.69	-7.96	14.96	-14.99	0.31	0.06	7.84
1,300.00	1.85	88.64	1,299.63	-7.88	18.52	-18.55	0.38	-0.38	-0.24
1,400.00	1.35	80.64	1,399.59	-7.65	21.29	-21.32	0.55	-0.50	-8.00
1,500.00	1.11	86.04	1,499.57	-7.39	23.42	-23.45	0.27	-0.24	5.40
1,600.00	0.89	72.77	1,599.55	-7.10	25.13	-25.16	0.32	-0.22	-13.27
1,700.00	0.90	65.95	1,699.54	-6.55	26.59	-26.61	0.11	0.01	-6.82
1,800.00	1.03	52.66	1,799.53	-5.68	28.02	-28.04	0.26	0.13	-13.29
1,900.00	0.87	52.90	1,899.51	-4.68	29.34	-29.36	0.16	-0.16	0.24
2,000.00	0.67	34.05	1,999.50	-3.73	30.27	-30.29	0.32	-0.20	-18.85
2,100.00	0.83	20.98	2,099.49	-2.57	30.86	-30.87	0.23	0.16	-13.07
2,200.00	0.90	17.50	2,199.48	-1.15	31.36	-31.36	0.09	0.07	-3.48
2,300.00	0.99	0.90	2,299.47	0.46	31.61	-31.60	0.29	0.09	-16.60
2,400.00	1.32	343.79	2,399.45	2.43	31.30	-31.29	0.47	0.33	-17.11
2,500.00	0.97	351.85	2,499.43	4.38	30.86	-30.84	0.38	-0.35	8.06
2,600.00	0.53	0.18	2,599.42	5.68	30.74	-30.72	0.45	-0.44	8.33
2,700.00	0.97	352.82	2,699.41	6.98	30.63	-30.61	0.45	0.44	-7.36
2,800.00	0.97	10.24	2,799.40	8.65	30.68	-30.64	0.29	0.00	17.42
2,900.00	0.73	7.77	2,899.39	10.12	30.91	-30.88	0.24	-0.24	-2.47
3,000.00	1.11	349.66	2,999.37	11.70	30.83	-30.78	0.47	0.38	-18.11
3,100.00	0.90	349.48	3,099.36	13.43	30.51	-30.46	0.21	-0.21	-0.18
3,200.00	0.88	1.13	3,199.35	14.97	30.38	-30.32	0.18	-0.02	11.65
3,300.00	0.90	353.90	3,299.33	16.52	30.31	-30.25	0.11	0.02	-7.23
3,400.00	0.88	345.94	3,399.32	18.04	30.04	-29.97	0.13	-0.02	-7.96
3,500.00	0.97	341.48	3,499.31	19.59	29.59	-29.51	0.12	0.09	-4.46
3,600.00	0.63	339.59	3,599.30	20.91	29.13	-29.05	0.34	-0.34	-1.89
3,700.00	0.76	348.64	3,699.29	22.07	28.80	-28.72	0.17	0.13	9.05
3,800.00	0.51	330.93	3,799.29	23.11	28.46	-28.37	0.32	-0.25	-17.71
3,900.00	0.67	332.28	3,899.28	24.02	27.97	-27.88	0.16	0.16	1.35
4,000.00	0.40	328.83	3,999.28	24.83	27.52	-27.42	0.27	-0.27	-3.45
4,100.00	0.74	340.17	4,099.27	25.74	27.12	-27.02	0.36	0.34	11.34
4,200.00	0.81	323.78	4,199.26	26.92	26.48	-26.38	0.23	0.07	-16.39
4,316.00	0.42	354.72	4,315.26	28.00	25.96	-25.85	0.43	-0.34	26.67
4,355.00	0.50	334.80	4,354.25	28.30	25.87	-25.76	0.46	0.21	-51.08
4,387.00	0.70	265.70	4,386.25	28.41	25.62	-25.51	2.19	0.63	-215.94
4,418.00	2.10	252.60	4,417.24	28.23	24.89	-24.78	4.60	4.52	-42.26
4,450.00	4.20	252.50	4,449.19	27.70	23.21	-23.10	6.56	6.56	-0.31
4,481.00	6.30	253.40	4,480.06	26.87	20.50	-20.39	6.78	6.77	2.90
4,511.00	8.50	255.40	4,509.81	25.84	16.77	-16.67	7.38	7.33	6.67
4,542.00	11.50	260.10	4,540.33	24.73	-11.51	-11.42	10.02	9.68	15.16
4,574.00	15.30	263.40	4,571.46	23.70	4.17	-4.08	12.11	11.88	10.31

Archer

Survey Report

Company:	COG OPERATING LLC	Local Co-ordinate Reference:	Well: 4H
Project:	Eddy County, NM	TVD Reference:	3684'GL+12'KB @ 3696.00usft (United 43)
Site:	Parliament 1 Fed Com UBB 4H	MD Reference:	3684'GL+12'KB @ 3696.00usft (United 43)
Well:	4H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM/R5000.1 MULT

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)
4,605.00	20.00	265.30	4,600.99	22.79	-5.18	5.27	15.27	15.16	6.13
4,637.00	24.70	267.00	4,630.58	22.00	-17.32	17.40	14.82	14.69	5.31
4,669.00	28.70	268.00	4,659.16	21.38	-31.68	31.76	12.58	12.50	3.13
4,700.00	31.80	267.00	4,685.94	20.69	-47.28	47.36	10.13	10.00	-3.23
4,731.00	36.20	266.00	4,711.63	19.62	-64.58	64.65	14.31	14.19	-3.23
4,763.00	41.10	264.90	4,736.62	18.03	-84.49	84.56	15.46	15.31	-3.44
4,794.00	44.90	264.90	4,759.28	16.15	-105.55	105.61	12.26	12.26	0.00
4,826.00	48.10	265.10	4,781.31	14.13	-128.67	128.72	10.01	10.00	0.63
4,857.00	50.70	266.10	4,801.48	12.33	-152.13	152.18	8.74	8.39	3.23
4,889.00	53.50	267.20	4,821.14	10.85	-177.34	177.38	9.16	8.75	3.44
4,920.00	55.90	268.30	4,839.05	9.87	-202.62	202.65	8.27	7.74	3.55
4,952.00	58.20	270.20	4,856.45	9.52	-229.46	229.50	8.75	7.19	5.94
4,983.00	60.10	271.90	4,872.35	10.01	-256.07	256.11	7.73	6.13	5.48
5,015.00	62.40	271.90	4,887.74	10.94	-284.11	284.15	7.19	7.19	0.00
5,047.00	65.00	271.00	4,901.92	11.66	-312.78	312.83	8.51	8.13	-2.81
5,078.00	67.20	270.90	4,914.48	12.13	-341.12	341.16	7.10	7.10	-0.32
5,110.00	69.20	271.50	4,926.36	12.76	-370.82	370.87	6.49	6.25	1.88
5,141.00	70.90	271.70	4,936.94	13.57	-399.95	400.00	5.52	5.48	0.65
5,173.00	73.00	270.90	4,946.85	14.26	-430.36	430.42	6.98	6.56	-2.50
5,204.00	74.80	270.60	4,955.45	14.65	-460.15	460.20	5.88	5.81	-0.97
5,236.00	76.20	269.60	4,963.46	14.70	-491.12	491.18	5.32	4.38	-3.13
5,267.00	77.80	269.10	4,970.43	14.36	-521.33	521.38	5.40	5.16	-1.61
5,299.00	78.40	270.20	4,977.03	14.17	-552.64	552.69	3.85	1.88	3.44
5,330.00	80.70	270.20	4,982.65	14.28	-583.12	583.17	7.42	7.42	0.00
5,362.00	82.50	270.20	4,987.33	14.39	-614.78	614.83	5.63	5.63	0.00
5,393.00	83.90	270.20	4,991.00	14.49	-645.56	645.61	4.52	4.52	0.00
5,425.00	86.10	270.10	4,993.79	14.58	-677.43	677.49	6.88	6.88	-0.31
5,453.00	88.40	270.40	4,995.13	14.70	-705.40	705.45	8.28	8.21	1.07
5,485.00	91.00	270.70	4,995.30	15.01	-737.40	737.45	8.18	8.13	0.94
5,517.00	91.30	270.60	4,994.66	15.37	-769.39	769.44	0.99	0.94	-0.31
5,562.00	92.10	270.60	4,991.84	16.36	-864.34	864.40	0.84	0.84	0.00
5,706.00	92.70	270.50	4,987.90	17.26	-958.25	958.31	0.65	0.64	-0.11
5,801.00	92.20	270.40	4,983.84	18.01	-1,053.16	1,053.22	0.54	-0.53	-0.11
5,895.00	91.10	270.20	4,981.13	18.50	-1,147.12	1,147.18	1.19	-1.17	-0.21
5,990.00	91.30	269.90	4,979.14	18.59	-1,242.10	1,242.16	0.38	0.21	-0.32
6,085.00	90.60	270.30	4,977.57	18.75	-1,337.08	1,337.15	0.85	-0.74	0.42
6,179.00	89.50	270.80	4,977.49	19.65	-1,431.08	1,431.14	1.29	-1.17	0.53
6,274.00	90.00	271.00	4,977.90	21.15	-1,526.07	1,526.14	0.57	0.53	0.21
6,369.00	90.20	271.00	4,977.74	22.80	-1,621.05	1,621.13	0.21	0.21	0.00
6,463.00	90.10	271.20	4,977.49	24.61	-1,715.03	1,715.12	0.24	-0.11	0.21
6,558.00	90.30	271.40	4,977.16	26.76	-1,810.01	1,810.10	0.30	0.21	0.21
6,652.00	90.30	270.70	4,976.67	28.49	-1,903.99	1,904.09	0.74	0.00	-0.74
6,747.00	90.20	269.30	4,976.25	28.49	-1,998.99	1,999.08	1.48	-0.11	-1.47

Archer

Survey Report

Company:	COG OPERATING, LLC	Local Co-ordinate Reference:	Well 4H
Project:	Eddy County, NM	TVD Reference:	3684' GL+12' KB @ 3696.00usft (United 43)
Site:	Parliament 1 Fed Com UBB 4H	MD Reference:	3684' GL+12' KB @ 3696.00usft (United 43)
Well:	4H	North Reference:	Grid
Wellbore:	Lateral	Survey Calculation Method:	Minimum Curvature
Design:	Surveys	Database:	EDM R5000.1 MULTI

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)
6,841.00	90.80	269.20	4,975.43	27.26	-2,092.98	2,093.06	0.65	0.64	-0.11
6,936.00	91.10	269.00	4,973.86	25.76	-2,187.95	2,188.03	0.38	0.32	-0.21
7,031.00	91.40	268.80	4,971.78	23.94	-2,282.91	2,282.98	0.38	0.32	-0.21
7,125.00	90.60	268.90	4,970.14	22.05	-2,376.88	2,376.94	0.86	-0.85	0.11
7,220.00	90.70	268.70	4,969.07	20.06	-2,471.85	2,471.91	0.24	0.11	-0.21
7,315.00	90.90	268.60	4,967.74	17.83	-2,566.81	2,566.86	0.24	0.21	-0.11
7,410.00	90.40	268.60	4,966.66	15.51	-2,661.78	2,661.82	0.53	-0.53	0.00
7,504.00	91.30	269.70	4,965.27	14.11	-2,755.76	2,755.79	1.51	0.96	1.17
7,599.00	91.80	269.90	4,962.70	13.78	-2,850.72	2,850.75	0.57	0.53	0.21
7,693.00	91.90	271.00	4,959.66	14.52	-2,944.67	2,944.70	1.17	0.11	1.17
7,788.00	92.30	270.80	4,956.18	16.01	-3,039.59	3,039.63	0.47	0.42	-0.21
7,883.00	92.50	270.40	4,952.20	17.00	-3,134.50	3,134.54	0.47	0.21	-0.42
7,977.00	92.00	270.90	4,948.51	18.07	-3,228.42	3,228.47	0.75	-0.53	0.53
8,071.00	92.70	270.80	4,944.66	19.46	-3,322.33	3,322.38	0.75	0.74	-0.11
8,166.00	91.20	270.90	4,941.43	20.87	-3,417.26	3,417.32	1.58	-1.58	0.11
8,261.00	91.60	270.90	4,939.11	22.36	-3,512.22	3,512.28	0.42	0.42	0.00
8,355.00	90.50	270.40	4,937.38	23.43	-3,606.20	3,606.26	1.29	-1.17	-0.53
8,450.00	91.10	270.40	4,936.06	24.09	-3,701.19	3,701.25	0.63	0.63	0.00
8,544.00	89.80	270.20	4,935.32	24.58	-3,795.18	3,795.25	1.40	-1.38	-0.21
8,639.00	90.00	270.10	4,935.48	24.83	-3,890.18	3,890.25	0.24	0.21	-0.11
8,734.00	90.20	269.70	4,935.32	24.67	-3,985.18	3,985.25	0.47	0.21	-0.42
8,828.00	90.60	269.50	4,934.66	24.01	-4,079.18	4,079.24	0.48	0.43	-0.21
8,923.00	90.80	269.20	4,933.50	22.93	-4,174.16	4,174.22	0.38	0.21	-0.32
9,018.00	91.10	268.80	4,931.93	21.27	-4,269.14	4,269.19	0.53	0.32	-0.42
9,113.00	90.70	269.40	4,930.43	19.78	-4,364.11	4,364.16	0.76	-0.42	0.63
9,208.00	91.50	269.00	4,928.61	18.46	-4,459.08	4,459.12	0.94	0.84	-0.42
9,302.00	92.00	268.70	4,925.74	16.57	-4,553.02	4,553.05	0.62	0.53	-0.32
9,398.00	92.40	268.50	4,922.05	14.23	-4,648.92	4,648.94	0.47	0.42	-0.21
9,437.00	92.60	268.40	4,920.35	13.17	-4,687.87	4,687.89	0.57	0.51	-0.26
9,504.00	92.60	268.40	4,917.31	11.30	-4,754.77	4,754.78	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Parliament 4H Surface	0.00	0.00	0.00	0.00	0.00	678,292.80	596,324.60	32° 51' 51.54 N	104° 1' 10.65 W
- actual wellpath hits target center									
- Point									
Parliament 4H BHL	0.00	0.00	4,917.31	11.30	-4,754.77	678,304.10	591,569.83	32° 51' 51.79 N	104° 2' 6.40 W
- actual wellpath hits target center									
- Point									