

Submit 1 Copy To Appropriate District
Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-42275
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐ HOBBS OCD		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Production LLC		6. State Oil & Gas Lease No.
3. Address of Operator 2208 W. Main Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Eata Fajita State
4. Well Location Unit Letter <u>P</u> : <u>200</u> feet from the <u>South</u> line and <u>850</u> feet from the <u>East</u> line Section <u>8</u> Township <u>24S</u> Range <u>33E</u> NMPM <u>Lea</u> County <u>Lea</u>		8. Well Number 10H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3604' GR		9. OGRID Number 217955
		10. Pool name or Wildcat Triple X; Bone Spring, West

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Completion Operations ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

4/13/15 to 4/23/15 MIRU. Test 5 1/2" csg to 8500# for 15 mins. Good test. Drilled out cmt, FC, FS & new formation to 19293'. Circulate clean. Ran CBL. TOC @ 6750'. Set CBP @ 19205'. Test to 5058#. Good test. Perf 19180-19190' (60). Injection test.

5/5/15 to 5/19/15 Perforate Bone Spring 9724-19130' (2268). Acdz w/202944 gal 7 1/2% acid. Frac w/15,481,753# sand & 15,675,618 gal fluid.

5/22/15 Began flowing back & testing.

Spud Date: 3/10/15

Rig Release Date: 4/1/15

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stormi Davis TITLE: Regulatory Analyst DATE: 7/2/15
Type or print name: Stormi Davis E-mail address: sdavis@concho.com PHONE: (575) 748-6946

For State Use Only

APPROVED BY: [Signature] TITLE: Petroleum Engineer DATE: 07/23/15
Conditions of Approval (if any):

JUL 28 2015

200'



March 17, 2015

HOBBS OCD

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

JUL 07 2015

RECEIVED

Attn: Kanicia Castillo

RE: **Eata Fajita State 10H**

Please find enclosed a copy of the survey from 0.00' to 1156.00' ran on the above referenced well.

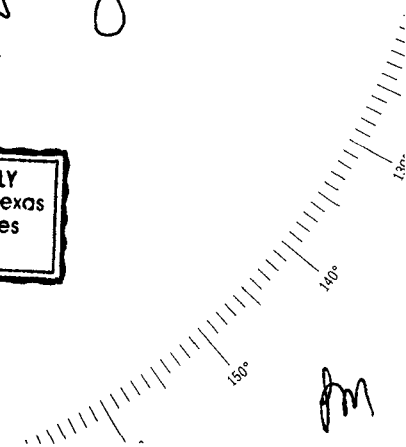
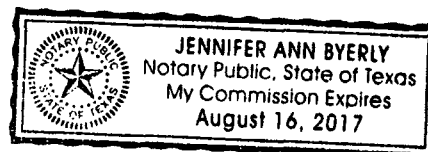
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Kimberly D Moller
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 17 day of March, A.D., 2015, by Kimberly D Moller.

Jennifer Ann Byerly
Notary Public, State of Texas



Company: COG Operating
Lease/Well: Eata Fajita State/10H

Rig Name: Independence 205
State/County: New Mexico/Lea
Latitude: 32.23, Longitude: -103.59
GRID North is 0.40 Degrees East of True North
VS-Azi: 359.00 Degrees



Depth Reference : RKB = 24 feet

DRILLOG HA GYRO SURVEY CALCULATIONS

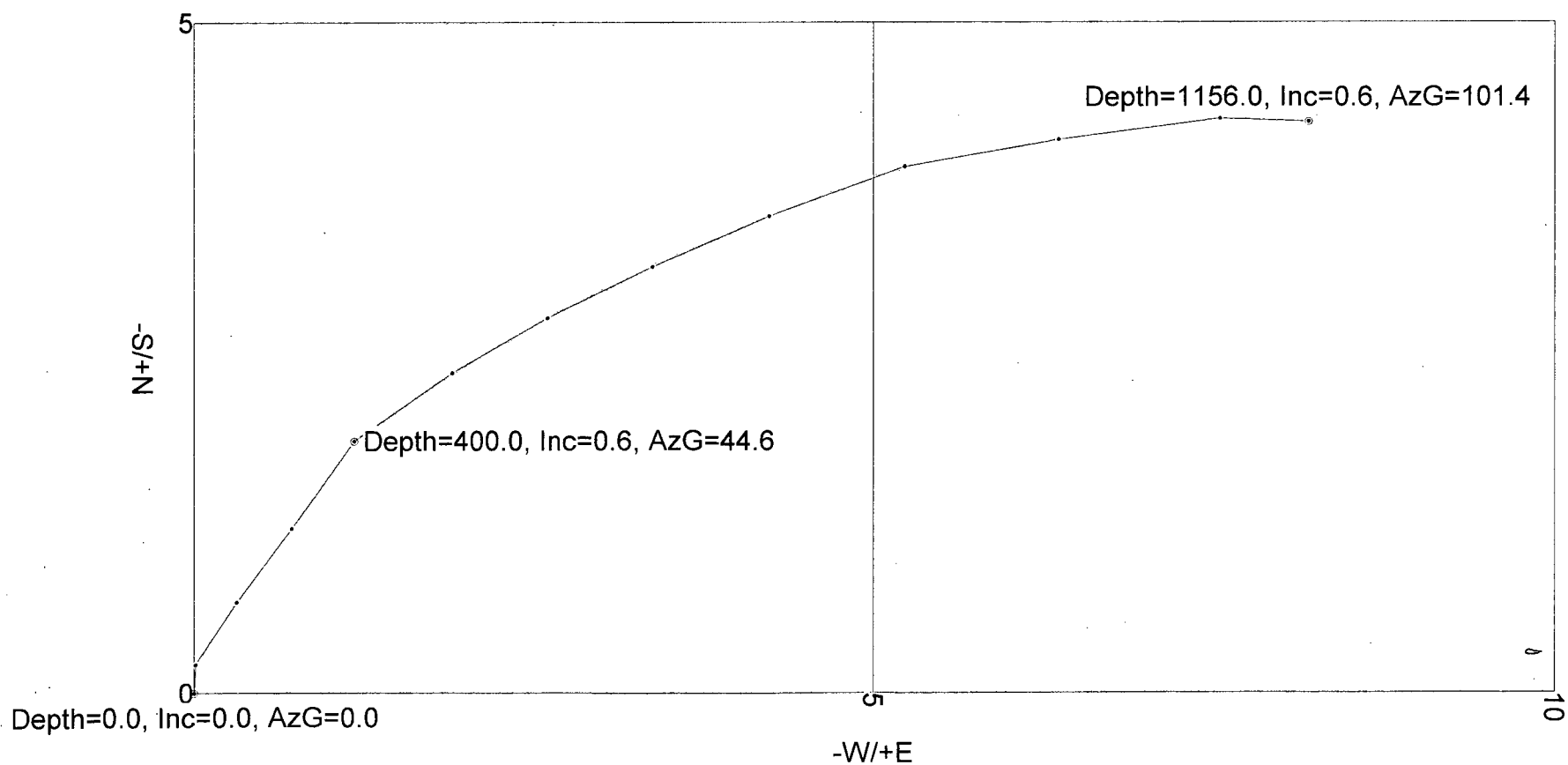
Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 3/17/2015 / 13:36

VES Survey International
Midland, Texas
432-563-5444
Surveyor: Adam Askew
Eata Fajita State 10H / API 30-025-42275

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	0.24	2.90	100.00	0.21	0.01	0.21	0.21	2.90	0.24
200.00	0.44	48.43	200.00	0.68	0.31	0.67	0.75	24.54	0.32
300.00	0.36	19.93	300.00	1.23	0.71	1.22	1.42	29.84	0.21
400.00	0.58	44.63	399.99	1.88	1.17	1.86	2.22	31.78	0.29
500.00	0.46	68.59	499.99	2.39	1.90	2.36	3.05	38.41	0.24
600.00	0.49	52.08	599.98	2.80	2.60	2.75	3.82	42.95	0.14
700.00	0.52	74.77	699.98	3.18	3.38	3.12	4.64	46.73	0.20
800.00	0.57	58.58	799.98	3.56	4.24	3.48	5.53	49.98	0.16
900.00	0.67	79.01	899.97	3.93	5.23	3.83	6.54	53.11	0.24
1000.00	0.65	80.71	999.96	4.13	6.36	4.02	7.58	57.01	0.03
1100.00	0.72	84.11	1099.96	4.28	7.54	4.15	8.67	60.41	0.09
1156.00	0.61	101.40	1155.95	4.26	8.19	4.12	9.23	62.51	0.41



VES Survey International
Midland, Texas
432-563-5444
Surveyor: Adam Askew
Eata Fajita State 10H / API 30-025-42275





COG Operating LLC

Lea County, NM

Eata Fajita State

#10H

OH

Survey: MWD #1

Survey Report - Geographic

30 March, 2015



Wellplanning
Survey Report - Geographic

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM	TVD Reference:	WELL @ 3630.3usft (Original Well Elev)
Site:	Eata Fajita State	MD Reference:	WELL @ 3630.3usft (Original Well Elev)
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

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	Eata Fajita State				
Site Position:		Northing:	446,468.40 usft	Latitude:	32° 13' 31.198 N
From:	Map	Easting:	726,689.60 usft	Longitude:	103° 36' 0.988 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 °

Well	#10H					
Well Position	+N/-S	0.0 usft	Northing:	446,499.30 usft	Latitude:	32° 13' 31.247 N
	+E/-W	0.0 usft	Easting:	730,466.90 usft	Longitude:	103° 35' 17.015 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,604.3 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/15/2015	7.14	60.09	48,247

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	2.27	

Survey Program	Date 3/30/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
325.0	1,156.0	enron (OH)	MWD	MWD - Standard
1,306.0	19,277.0	MWD #1 (OH)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,156.0	0.61	101.40	1,156.0	4.3	8.2	446,503.56	730,475.10	32° 13' 31.288 N	103° 35' 16.919 W
1,306.0	0.30	55.80	1,305.9	4.3	9.3	446,503.63	730,476.21	32° 13' 31.289 N	103° 35' 16.906 W
1,401.0	0.50	43.30	1,400.9	4.8	9.8	446,504.07	730,476.70	32° 13' 31.293 N	103° 35' 16.900 W
1,495.0	0.60	51.60	1,494.9	5.4	10.5	446,504.67	730,477.36	32° 13' 31.299 N	103° 35' 16.892 W
1,589.0	0.80	48.20	1,588.9	6.1	11.3	446,505.41	730,478.24	32° 13' 31.307 N	103° 35' 16.882 W
1,683.0	0.50	29.80	1,682.9	6.9	12.0	446,506.21	730,478.93	32° 13' 31.314 N	103° 35' 16.874 W
1,777.0	0.70	19.20	1,776.9	7.8	12.4	446,507.11	730,479.32	32° 13' 31.323 N	103° 35' 16.869 W
1,871.0	0.60	26.60	1,870.9	8.8	12.8	446,508.09	730,479.73	32° 13' 31.333 N	103° 35' 16.865 W
1,965.0	0.60	25.50	1,964.9	9.7	13.3	446,508.97	730,480.17	32° 13' 31.342 N	103° 35' 16.859 W
2,060.0	0.70	20.30	2,059.9	10.7	13.7	446,509.97	730,480.58	32° 13' 31.351 N	103° 35' 16.855 W
2,154.0	0.60	22.00	2,153.9	11.7	14.1	446,510.96	730,480.96	32° 13' 31.361 N	103° 35' 16.850 W



Wellplanning
Survey Report - Geographic

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM	TVD Reference:	WELL @ 3630.3usft (Original Well Elev)
Site:	Eata Fajita State	MD Reference:	WELL @ 3630.3usft (Original Well Elev)
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
2,248.0	0.80	16.40	2,247.9	12.7	14.4	446,512.05	730,481.33	32° 13' 31.372 N	103° 35' 16.846 W
2,342.0	0.80	26.60	2,341.9	14.0	14.9	446,513.26	730,481.81	32° 13' 31.384 N	103° 35' 16.840 W
2,436.0	0.70	24.00	2,435.9	15.1	15.4	446,514.37	730,482.34	32° 13' 31.395 N	103° 35' 16.834 W
2,530.0	0.90	31.00	2,529.9	16.2	16.1	446,515.53	730,482.95	32° 13' 31.406 N	103° 35' 16.826 W
2,624.0	1.00	33.50	2,623.9	17.5	16.9	446,516.85	730,483.79	32° 13' 31.419 N	103° 35' 16.817 W
2,718.0	1.10	26.80	2,717.8	19.0	17.8	446,518.34	730,484.65	32° 13' 31.434 N	103° 35' 16.807 W
2,812.0	1.30	16.60	2,811.8	20.9	18.5	446,520.16	730,485.36	32° 13' 31.452 N	103° 35' 16.798 W
2,907.0	1.60	26.30	2,906.8	23.1	19.4	446,522.39	730,486.25	32° 13' 31.474 N	103° 35' 16.787 W
3,001.0	1.90	25.70	3,000.7	25.7	20.6	446,524.97	730,487.51	32° 13' 31.499 N	103° 35' 16.773 W
3,095.0	1.90	32.60	3,094.7	28.4	22.1	446,527.68	730,489.03	32° 13' 31.526 N	103° 35' 16.755 W
3,189.0	2.60	31.30	3,188.6	31.5	24.1	446,530.82	730,490.97	32° 13' 31.557 N	103° 35' 16.732 W
3,283.0	4.70	43.80	3,282.4	36.1	27.9	446,535.42	730,494.75	32° 13' 31.602 N	103° 35' 16.688 W
3,377.0	4.00	71.40	3,376.2	39.9	33.6	446,539.25	730,500.52	32° 13' 31.640 N	103° 35' 16.620 W
3,471.0	5.20	66.20	3,469.9	42.7	40.6	446,542.01	730,507.53	32° 13' 31.667 N	103° 35' 16.538 W
3,565.0	4.60	64.00	3,563.5	46.1	47.9	446,545.38	730,514.81	32° 13' 31.700 N	103° 35' 16.453 W
3,672.0	3.40	79.90	3,670.3	48.5	54.9	446,547.82	730,521.79	32° 13' 31.723 N	103° 35' 16.372 W
3,766.0	2.90	80.90	3,764.1	49.4	60.0	446,548.68	730,526.88	32° 13' 31.731 N	103° 35' 16.312 W
3,860.0	1.80	77.20	3,858.0	50.1	63.8	446,549.39	730,530.67	32° 13' 31.738 N	103° 35' 16.268 W
3,954.0	1.40	77.90	3,952.0	50.7	66.3	446,549.96	730,533.23	32° 13' 31.744 N	103° 35' 16.238 W
4,049.0	1.20	76.70	4,047.0	51.1	68.4	446,550.43	730,535.34	32° 13' 31.748 N	103° 35' 16.214 W
4,143.0	1.10	75.30	4,141.0	51.6	70.3	446,550.88	730,537.17	32° 13' 31.752 N	103° 35' 16.193 W
4,237.0	0.80	84.60	4,234.9	51.9	71.8	446,551.17	730,538.69	32° 13' 31.755 N	103° 35' 16.175 W
4,331.0	0.70	85.00	4,328.9	52.0	73.0	446,551.29	730,539.92	32° 13' 31.756 N	103° 35' 16.160 W
4,425.0	1.60	96.70	4,422.9	51.9	74.9	446,551.18	730,541.79	32° 13' 31.755 N	103° 35' 16.139 W
4,519.0	2.50	95.50	4,516.9	51.5	78.2	446,550.83	730,545.14	32° 13' 31.751 N	103° 35' 16.100 W
4,613.0	1.20	74.10	4,610.8	51.6	81.2	446,550.91	730,548.13	32° 13' 31.752 N	103° 35' 16.065 W
4,707.0	2.00	98.80	4,704.8	51.6	83.8	446,550.92	730,550.69	32° 13' 31.752 N	103° 35' 16.035 W
4,801.0	1.20	100.10	4,798.7	51.2	86.4	446,550.50	730,553.28	32° 13' 31.748 N	103° 35' 16.005 W
4,895.0	1.00	109.60	4,892.7	50.8	88.1	446,550.05	730,555.03	32° 13' 31.743 N	103° 35' 15.985 W
4,989.0	1.10	111.30	4,986.7	50.2	89.7	446,549.45	730,556.64	32° 13' 31.737 N	103° 35' 15.966 W
5,064.0	1.20	110.50	5,061.7	49.6	91.1	446,548.91	730,558.05	32° 13' 31.732 N	103° 35' 15.950 W
5,192.0	1.10	117.30	5,189.7	48.6	93.5	446,547.88	730,560.39	32° 13' 31.721 N	103° 35' 15.922 W
5,286.0	1.10	111.30	5,283.6	47.8	95.1	446,547.14	730,562.03	32° 13' 31.714 N	103° 35' 15.903 W
5,381.0	1.10	102.70	5,378.6	47.3	96.9	446,546.61	730,563.77	32° 13' 31.708 N	103° 35' 15.883 W
5,475.0	1.20	115.50	5,472.6	46.7	98.6	446,545.99	730,565.54	32° 13' 31.702 N	103° 35' 15.863 W
5,568.0	1.40	109.90	5,565.6	45.9	100.6	446,545.18	730,567.49	32° 13' 31.694 N	103° 35' 15.840 W
5,662.0	1.70	88.30	5,659.5	45.5	103.1	446,544.83	730,569.96	32° 13' 31.690 N	103° 35' 15.811 W
5,756.0	1.90	84.40	5,753.5	45.7	106.0	446,545.02	730,572.91	32° 13' 31.692 N	103° 35' 15.777 W
5,851.0	2.50	86.90	5,848.4	46.0	109.6	446,545.29	730,576.54	32° 13' 31.694 N	103° 35' 15.735 W
5,945.0	1.80	58.10	5,942.4	46.9	112.9	446,546.18	730,579.84	32° 13' 31.703 N	103° 35' 15.696 W
6,039.0	1.80	51.40	6,036.3	48.6	115.4	446,547.88	730,582.25	32° 13' 31.720 N	103° 35' 15.668 W
6,133.0	1.80	51.90	6,130.3	50.4	117.7	446,549.71	730,584.57	32° 13' 31.738 N	103° 35' 15.641 W
6,227.0	1.80	52.40	6,224.2	52.2	120.0	446,551.53	730,586.90	32° 13' 31.755 N	103° 35' 15.614 W
6,321.0	1.70	51.70	6,318.2	54.0	122.3	446,553.29	730,589.16	32° 13' 31.773 N	103° 35' 15.587 W
6,415.0	1.80	55.10	6,412.1	55.7	124.6	446,555.00	730,591.47	32° 13' 31.789 N	103° 35' 15.560 W
6,509.0	1.60	51.40	6,506.1	57.4	126.8	446,556.66	730,593.70	32° 13' 31.806 N	103° 35' 15.534 W
6,603.0	1.60	55.30	6,600.1	58.9	128.9	446,558.23	730,595.81	32° 13' 31.821 N	103° 35' 15.509 W
6,697.0	1.70	57.50	6,694.0	60.4	131.2	446,559.72	730,598.06	32° 13' 31.836 N	103° 35' 15.483 W
6,791.0	1.30	51.00	6,788.0	61.8	133.2	446,561.14	730,600.07	32° 13' 31.850 N	103° 35' 15.459 W
6,885.0	1.90	68.30	6,881.9	63.1	135.4	446,562.39	730,602.34	32° 13' 31.862 N	103° 35' 15.433 W
7,074.0	2.50	79.20	7,070.8	65.0	142.4	446,564.32	730,609.30	32° 13' 31.880 N	103° 35' 15.352 W
7,262.0	2.60	90.40	7,258.6	65.8	150.7	446,565.06	730,617.60	32° 13' 31.887 N	103° 35' 15.255 W
7,450.0	2.60	80.70	7,446.4	66.4	159.2	446,565.72	730,626.07	32° 13' 31.893 N	103° 35' 15.156 W
7,638.0	1.90	63.90	7,634.3	68.5	166.2	446,567.78	730,633.08	32° 13' 31.913 N	103° 35' 15.075 W
7,826.0	1.60	62.60	7,822.2	71.1	171.3	446,570.36	730,638.20	32° 13' 31.938 N	103° 35' 15.015 W



Wellplanning
Survey Report - Geographic

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM	TVD Reference:	WELL @ 3630.3usft (Original Well Elev)
Site:	Eata Fajita State	MD Reference:	WELL @ 3630.3usft (Original Well Elev)
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,014.0	1.30	61.10	8,010.1	73.3	175.5	446,572.60	730,642.40	32° 13' 31.960 N	103° 35' 14.966 W
8,202.0	1.20	72.70	8,198.1	74.9	179.3	446,574.21	730,646.15	32° 13' 31.976 N	103° 35' 14.922 W
8,391.0	1.30	85.30	8,387.0	75.7	183.3	446,574.98	730,650.17	32° 13' 31.983 N	103° 35' 14.875 W
8,485.0	1.80	69.00	8,481.0	76.3	185.7	446,575.60	730,652.62	32° 13' 31.989 N	103° 35' 14.847 W
8,673.0	1.70	72.80	8,668.9	78.2	191.1	446,577.48	730,658.04	32° 13' 32.007 N	103° 35' 14.783 W
8,767.0	1.40	76.50	8,762.9	78.9	193.6	446,578.16	730,660.48	32° 13' 32.014 N	103° 35' 14.755 W
8,955.0	1.30	68.40	8,950.8	80.2	197.8	446,579.48	730,664.70	32° 13' 32.027 N	103° 35' 14.706 W
9,049.0	1.00	74.40	9,044.8	80.8	199.6	446,580.09	730,666.48	32° 13' 32.033 N	103° 35' 14.685 W
9,134.0	4.90	40.00	9,129.7	83.8	202.6	446,583.07	730,669.53	32° 13' 32.062 N	103° 35' 14.649 W
9,181.0	11.20	29.90	9,176.2	89.3	206.2	446,588.57	730,673.10	32° 13' 32.116 N	103° 35' 14.607 W
9,228.0	16.60	31.30	9,221.8	99.0	212.0	446,598.28	730,678.87	32° 13' 32.212 N	103° 35' 14.539 W
9,275.0	20.60	32.20	9,266.4	111.7	219.9	446,611.01	730,686.77	32° 13' 32.337 N	103° 35' 14.446 W
9,322.0	24.40	27.70	9,309.8	127.3	228.8	446,626.61	730,695.69	32° 13' 32.491 N	103° 35' 14.341 W
9,369.0	29.10	23.30	9,351.7	146.4	237.8	446,645.72	730,704.73	32° 13' 32.679 N	103° 35' 14.234 W
9,416.0	34.80	22.20	9,391.6	169.4	247.4	446,668.65	730,714.32	32° 13' 32.906 N	103° 35' 14.121 W
9,463.0	40.50	21.20	9,428.8	196.0	258.0	446,695.32	730,724.92	32° 13' 33.169 N	103° 35' 13.995 W
9,510.0	46.10	20.60	9,463.0	226.1	269.5	446,725.42	730,736.40	32° 13' 33.466 N	103° 35' 13.859 W
9,558.0	51.70	18.70	9,494.5	260.2	281.6	446,759.48	730,748.54	32° 13' 33.802 N	103° 35' 13.715 W
9,604.0	57.90	15.20	9,521.0	296.1	292.6	446,795.42	730,759.45	32° 13' 34.157 N	103° 35' 13.585 W
9,651.0	64.20	14.30	9,543.8	335.9	303.0	446,835.18	730,769.90	32° 13' 34.550 N	103° 35' 13.460 W
9,698.0	71.40	13.60	9,561.5	378.1	313.5	446,877.38	730,780.38	32° 13' 34.967 N	103° 35' 13.335 W
9,724.0	75.50	15.50	9,568.9	402.2	319.7	446,901.50	730,786.64	32° 13' 35.205 N	103° 35' 13.260 W
9,766.0	79.30	16.40	9,578.1	441.6	331.0	446,940.90	730,797.91	32° 13' 35.594 N	103° 35' 13.126 W
9,818.0	81.40	17.30	9,586.8	490.7	345.9	446,989.96	730,812.77	32° 13' 36.078 N	103° 35' 12.949 W
9,850.0	83.40	18.00	9,591.0	520.9	355.5	447,020.18	730,822.38	32° 13' 36.377 N	103° 35' 12.834 W
9,881.0	85.60	18.90	9,594.0	550.2	365.3	447,049.45	730,832.15	32° 13' 36.666 N	103° 35' 12.718 W
9,912.0	86.20	19.20	9,596.2	579.4	375.3	447,078.68	730,842.24	32° 13' 36.954 N	103° 35' 12.599 W
10,006.0	89.10	19.20	9,600.1	668.1	406.2	447,167.37	730,873.13	32° 13' 37.830 N	103° 35' 12.232 W
10,100.0	91.70	17.10	9,599.4	757.4	435.5	447,256.67	730,902.40	32° 13' 38.712 N	103° 35' 11.884 W
10,194.0	89.20	12.40	9,598.7	848.2	459.4	447,347.54	730,926.33	32° 13' 39.609 N	103° 35' 11.598 W
10,288.0	90.60	8.70	9,598.9	940.6	476.6	447,439.93	730,943.53	32° 13' 40.522 N	103° 35' 11.390 W
10,343.8	91.97	7.63	9,597.6	995.8	484.6	447,495.14	730,951.45	32° 13' 41.068 N	103° 35' 11.294 W
TGT1									
10,382.0	92.90	6.90	9,596.0	1,033.7	489.4	447,533.01	730,956.28	32° 13' 41.442 N	103° 35' 11.234 W
10,476.0	90.40	3.90	9,593.3	1,127.2	498.2	447,626.54	730,965.12	32° 13' 42.367 N	103° 35' 11.124 W
10,570.0	90.00	3.60	9,592.9	1,221.0	504.4	447,720.33	730,971.27	32° 13' 43.295 N	103° 35' 11.045 W
10,664.0	90.40	1.80	9,592.6	1,314.9	508.8	447,814.23	730,975.70	32° 13' 44.224 N	103° 35' 10.985 W
10,758.0	90.50	0.40	9,591.9	1,408.9	510.6	447,908.20	730,977.50	32° 13' 45.154 N	103° 35' 10.957 W
10,852.0	89.90	359.50	9,591.6	1,502.9	510.5	448,002.20	730,977.42	32° 13' 46.084 N	103° 35' 10.950 W
10,946.0	87.70	357.60	9,593.5	1,596.8	508.1	448,096.14	730,975.04	32° 13' 47.014 N	103° 35' 10.970 W
11,040.0	87.70	356.40	9,597.3	1,690.6	503.2	448,189.93	730,970.13	32° 13' 47.942 N	103° 35' 11.020 W
11,134.0	88.20	355.50	9,600.7	1,784.3	496.6	448,283.64	730,963.49	32° 13' 48.870 N	103° 35' 11.090 W
11,229.0	89.00	356.50	9,603.0	1,879.1	490.0	448,378.38	730,956.87	32° 13' 49.808 N	103° 35' 11.159 W
11,323.0	89.60	356.40	9,604.1	1,972.9	484.2	448,472.19	730,951.05	32° 13' 50.736 N	103° 35' 11.219 W
11,351.5	89.81	356.34	9,604.3	2,001.4	482.3	448,500.65	730,949.24	32° 13' 51.018 N	103° 35' 11.238 W
TGT2									
11,417.0	90.30	356.20	9,604.2	2,066.7	478.1	448,565.99	730,944.98	32° 13' 51.665 N	103° 35' 11.282 W
11,511.0	88.90	357.40	9,604.9	2,160.5	472.8	448,659.84	730,939.74	32° 13' 52.594 N	103° 35' 11.336 W
11,605.0	87.10	357.40	9,608.1	2,254.4	468.6	448,753.68	730,935.47	32° 13' 53.523 N	103° 35' 11.378 W
11,699.0	87.80	359.70	9,612.3	2,348.3	466.2	448,847.55	730,933.10	32° 13' 54.452 N	103° 35' 11.398 W
11,793.0	89.20	359.40	9,614.8	2,442.2	465.5	448,941.51	730,932.36	32° 13' 55.382 N	103° 35' 11.399 W
11,887.0	89.70	0.10	9,615.7	2,536.2	465.1	449,035.51	730,931.95	32° 13' 56.312 N	103° 35' 11.396 W
11,981.0	90.50	0.20	9,615.5	2,630.2	465.3	449,129.51	730,932.20	32° 13' 57.242 N	103° 35' 11.385 W
12,075.0	90.70	359.70	9,614.5	2,724.2	465.2	449,223.50	730,932.12	32° 13' 58.172 N	103° 35' 11.379 W
12,169.0	91.70	359.40	9,612.6	2,818.2	464.5	449,317.48	730,931.38	32° 13' 59.102 N	103° 35' 11.380 W



Wellplanning
Survey Report - Geographic

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM	TVD Reference:	WELL @ 3630.3usft (Original Well Elev)
Site:	Eata Fajita State	MD Reference:	WELL @ 3630.3usft (Original Well Elev)
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,263.0	91.50	358.50	9,609.9	2,912.1	462.8	449,411.42	730,929.66	32° 14' 0.032 N	103° 35' 11.392 W
12,357.0	90.60	359.00	9,608.2	3,006.1	460.7	449,505.38	730,927.60	32° 14' 0.962 N	103° 35' 11.408 W
12,451.0	90.00	358.50	9,607.7	3,100.1	458.7	449,599.36	730,925.55	32° 14' 1.892 N	103° 35' 11.425 W
12,545.0	88.20	358.00	9,609.2	3,194.0	455.8	449,693.30	730,922.68	32° 14' 2.822 N	103° 35' 11.451 W
12,639.0	88.20	357.20	9,612.2	3,287.9	451.9	449,787.17	730,918.75	32° 14' 3.751 N	103° 35' 11.489 W
12,733.0	88.40	356.50	9,615.0	3,381.7	446.7	449,880.99	730,913.59	32° 14' 4.680 N	103° 35' 11.541 W
12,827.0	89.00	356.40	9,617.1	3,475.5	440.9	449,974.78	730,907.77	32° 14' 5.608 N	103° 35' 11.601 W
12,921.0	89.30	357.60	9,618.5	3,569.3	436.0	450,068.64	730,902.85	32° 14' 6.537 N	103° 35' 11.651 W
12,952.0	89.93	358.13	9,618.7	3,600.3	434.8	450,099.63	730,901.69	32° 14' 6.844 N	103° 35' 11.662 W
TGT3									
13,015.0	91.20	359.20	9,618.1	3,663.3	433.3	450,162.59	730,900.22	32° 14' 7.467 N	103° 35' 11.674 W
13,109.0	92.80	359.40	9,614.8	3,757.2	432.2	450,256.53	730,899.08	32° 14' 8.397 N	103° 35' 11.680 W
13,203.0	91.50	358.70	9,611.3	3,851.1	430.6	450,350.45	730,897.52	32° 14' 9.326 N	103° 35' 11.690 W
13,297.0	91.20	359.40	9,609.0	3,945.1	429.1	450,444.41	730,895.96	32° 14' 10.256 N	103° 35' 11.701 W
13,391.0	88.80	1.30	9,609.0	4,039.1	429.6	450,538.39	730,896.54	32° 14' 11.186 N	103° 35' 11.687 W
13,485.0	89.50	0.90	9,610.4	4,133.1	431.4	450,632.36	730,898.34	32° 14' 12.116 N	103° 35' 11.658 W
13,579.0	91.30	0.60	9,609.8	4,227.1	432.7	450,726.35	730,899.57	32° 14' 13.046 N	103° 35' 11.636 W
13,673.0	89.40	1.50	9,609.2	4,321.0	434.4	450,820.33	730,901.29	32° 14' 13.976 N	103° 35' 11.608 W
13,767.0	89.80	1.60	9,609.9	4,415.0	436.9	450,914.29	730,903.84	32° 14' 14.905 N	103° 35' 11.571 W
13,861.0	90.80	0.90	9,609.4	4,509.0	439.0	451,008.27	730,905.89	32° 14' 15.835 N	103° 35' 11.540 W
13,955.0	87.80	0.60	9,610.5	4,602.9	440.2	451,102.24	730,907.12	32° 14' 16.765 N	103° 35' 11.518 W
14,049.0	88.30	359.50	9,613.7	4,696.9	440.3	451,196.18	730,907.20	32° 14' 17.695 N	103° 35' 11.509 W
14,143.0	89.50	359.70	9,615.5	4,790.9	439.6	451,290.16	730,906.54	32° 14' 18.625 N	103° 35' 11.509 W
14,237.0	90.60	359.00	9,615.4	4,884.9	438.6	451,384.15	730,905.48	32° 14' 19.555 N	103° 35' 11.514 W
14,331.0	91.50	358.30	9,613.7	4,978.8	436.4	451,478.11	730,903.26	32° 14' 20.485 N	103° 35' 11.532 W
14,352.7	90.85	358.46	9,613.3	5,000.5	435.8	451,499.79	730,902.65	32° 14' 20.699 N	103° 35' 11.538 W
TGT4									
14,425.0	88.70	359.00	9,613.6	5,072.8	434.2	451,572.07	730,901.05	32° 14' 21.415 N	103° 35' 11.550 W
14,519.0	89.10	359.00	9,615.4	5,166.7	432.5	451,666.04	730,899.41	32° 14' 22.345 N	103° 35' 11.562 W
14,613.0	90.30	358.30	9,615.9	5,260.7	430.3	451,760.01	730,897.19	32° 14' 23.275 N	103° 35' 11.580 W
14,707.0	88.70	358.70	9,616.7	5,354.7	427.8	451,853.97	730,894.73	32° 14' 24.205 N	103° 35' 11.601 W
14,801.0	87.80	1.30	9,619.5	5,448.6	427.8	451,947.92	730,894.73	32° 14' 25.134 N	103° 35' 11.593 W
14,895.0	88.30	0.80	9,622.7	5,542.5	429.6	452,041.85	730,896.45	32° 14' 26.064 N	103° 35' 11.566 W
14,989.0	89.40	358.70	9,624.6	5,636.5	429.1	452,135.82	730,896.04	32° 14' 26.994 N	103° 35' 11.563 W
15,084.0	90.70	0.10	9,624.5	5,731.5	428.2	452,230.81	730,895.05	32° 14' 27.934 N	103° 35' 11.567 W
15,178.0	92.90	0.20	9,621.6	5,825.5	428.4	452,324.76	730,895.29	32° 14' 28.863 N	103° 35' 11.556 W
15,272.0	92.60	0.80	9,617.1	5,919.3	429.2	452,418.65	730,896.11	32° 14' 29.792 N	103° 35' 11.539 W
15,366.0	91.80	1.30	9,613.5	6,013.3	430.9	452,512.56	730,897.83	32° 14' 30.722 N	103° 35' 11.512 W
15,460.0	89.60	0.90	9,612.3	6,107.2	432.7	452,606.53	730,899.64	32° 14' 31.651 N	103° 35' 11.483 W
15,554.0	90.10	1.30	9,612.6	6,201.2	434.5	452,700.51	730,901.44	32° 14' 32.581 N	103° 35' 11.454 W
15,647.0	87.50	1.50	9,614.5	6,294.2	436.8	452,793.46	730,903.71	32° 14' 33.501 N	103° 35' 11.420 W
15,741.0	87.40	0.90	9,618.7	6,388.0	438.8	452,887.34	730,905.68	32° 14' 34.430 N	103° 35' 11.390 W
15,835.0	88.40	0.20	9,622.1	6,482.0	439.7	452,981.27	730,906.58	32° 14' 35.359 N	103° 35' 11.372 W
15,930.0	89.50	359.00	9,623.9	6,577.0	439.0	453,076.25	730,905.92	32° 14' 36.299 N	103° 35' 11.372 W
16,024.0	90.50	358.70	9,623.9	6,670.9	437.1	453,170.23	730,904.03	32° 14' 37.229 N	103° 35' 11.386 W
16,118.0	92.30	358.50	9,621.6	6,764.9	434.8	453,264.17	730,901.74	32° 14' 38.159 N	103° 35' 11.405 W
16,212.0	90.10	359.20	9,619.6	6,858.8	433.0	453,358.13	730,899.85	32° 14' 39.089 N	103° 35' 11.420 W
16,306.0	89.30	358.10	9,620.1	6,952.8	430.7	453,452.10	730,897.64	32° 14' 40.019 N	103° 35' 11.438 W
16,400.0	90.50	357.60	9,620.3	7,046.7	427.2	453,546.03	730,894.11	32° 14' 40.949 N	103° 35' 11.471 W
16,494.0	90.30	359.40	9,619.6	7,140.7	424.8	453,639.99	730,891.65	32° 14' 41.879 N	103° 35' 11.492 W
16,588.0	89.90	358.70	9,619.5	7,234.7	423.2	453,733.98	730,890.09	32° 14' 42.809 N	103° 35' 11.503 W
16,682.0	90.50	358.30	9,619.1	7,328.6	420.7	453,827.94	730,887.63	32° 14' 43.739 N	103° 35' 11.524 W
16,759.6	89.18	357.89	9,619.3	7,406.2	418.2	453,905.52	730,885.05	32° 14' 44.506 N	103° 35' 11.548 W
Enron Concho 5 State Com #1									
16,776.0	88.90	357.80	9,619.6	7,422.6	417.5	453,921.88	730,884.43	32° 14' 44.668 N	103° 35' 11.554 W



Wellplanning Survey Report - Geographic

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #10H
Project:	Lea County, NM	TVD Reference:	WELL @ 3630.3usft (Original Well Elev)
Site:	Eata Fajita State	MD Reference:	WELL @ 3630.3usft (Original Well Elev)
Well:	#10H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,870.0	88.50	358.00	9,621.8	7,516.5	414.1	454,015.80	730,880.99	32° 14' 45.598 N	103° 35' 11.586 W
16,953.3	88.50	358.00	9,623.9	7,599.7	411.2	454,098.98	730,878.08	32° 14' 46.421 N	103° 35' 11.613 W
TGT5									
16,964.0	88.50	358.00	9,624.2	7,610.4	410.8	454,109.71	730,877.71	32° 14' 46.528 N	103° 35' 11.617 W
17,058.0	88.20	357.40	9,626.9	7,704.3	407.0	454,203.59	730,873.94	32° 14' 47.457 N	103° 35' 11.653 W
17,152.0	89.40	359.20	9,628.9	7,798.2	404.3	454,297.52	730,871.15	32° 14' 48.387 N	103° 35' 11.678 W
17,246.0	90.70	359.70	9,628.8	7,892.2	403.4	454,391.52	730,870.25	32° 14' 49.317 N	103° 35' 11.681 W
17,340.0	90.30	359.40	9,628.0	7,986.2	402.6	454,485.51	730,869.51	32° 14' 50.247 N	103° 35' 11.682 W
17,434.0	90.70	358.80	9,627.2	8,080.2	401.1	454,579.50	730,868.03	32° 14' 51.177 N	103° 35' 11.691 W
17,528.0	90.50	358.10	9,626.2	8,174.2	398.6	454,673.46	730,865.49	32° 14' 52.107 N	103° 35' 11.713 W
17,622.0	88.80	359.40	9,626.8	8,268.1	396.5	454,767.43	730,863.44	32° 14' 53.037 N	103° 35' 11.729 W
17,716.0	87.60	359.20	9,629.7	8,362.1	395.4	454,861.37	730,862.29	32° 14' 53.967 N	103° 35' 11.735 W
17,810.0	85.30	359.20	9,635.5	8,455.9	394.1	454,955.17	730,860.98	32° 14' 54.895 N	103° 35' 11.743 W
17,904.0	90.80	359.70	9,638.7	8,549.8	393.2	455,049.08	730,860.08	32° 14' 55.824 N	103° 35' 11.746 W
17,998.0	91.50	359.90	9,636.8	8,643.8	392.9	455,143.06	730,859.75	32° 14' 56.754 N	103° 35' 11.742 W
18,092.0	92.50	0.10	9,633.6	8,737.7	392.9	455,237.00	730,859.75	32° 14' 57.684 N	103° 35' 11.734 W
18,186.0	91.60	359.70	9,630.2	8,831.6	392.7	455,330.94	730,859.59	32° 14' 58.614 N	103° 35' 11.729 W
18,280.0	89.90	0.40	9,629.0	8,925.6	392.8	455,424.93	730,859.67	32° 14' 59.544 N	103° 35' 11.720 W
18,374.0	90.50	0.60	9,628.6	9,019.6	393.6	455,518.92	730,860.49	32° 15' 0.474 N	103° 35' 11.703 W
18,468.0	88.80	359.90	9,629.2	9,113.6	394.0	455,612.92	730,860.90	32° 15' 1.404 N	103° 35' 11.691 W
18,562.0	90.00	0.90	9,630.2	9,207.6	394.7	455,706.91	730,861.56	32° 15' 2.334 N	103° 35' 11.675 W
18,656.0	90.90	0.10	9,629.5	9,301.6	395.5	455,800.90	730,862.38	32° 15' 3.264 N	103° 35' 11.658 W
18,750.0	92.00	359.00	9,627.1	9,395.6	394.7	455,894.86	730,861.64	32° 15' 4.194 N	103° 35' 11.659 W
18,844.0	90.40	0.10	9,625.1	9,489.5	394.0	455,988.83	730,860.90	32° 15' 5.124 N	103° 35' 11.660 W
18,938.0	91.20	0.20	9,623.8	9,583.5	394.3	456,082.82	730,861.15	32° 15' 6.054 N	103° 35' 11.650 W
19,032.0	89.00	0.40	9,623.6	9,677.5	394.7	456,176.82	730,861.64	32° 15' 6.984 N	103° 35' 11.636 W
19,126.0	90.60	0.10	9,624.0	9,771.5	395.2	456,270.81	730,862.05	32° 15' 7.914 N	103° 35' 11.624 W
19,277.0	90.60	0.10	9,622.4	9,822.5	395.4	456,421.80	730,862.32	32° 15' 9.408 N	103° 35' 11.609 W
PBHL(EF#10H)									

Checked By: _____ Approved By: _____ Date: _____