VAUGHN ENERGY SERVICES
A GYRO TECHNOLOGIES INC. COMPANY

P.O. Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

30-015-41937

March 6, 2014

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 31 2014
RECEIVED

COG Operating LLC (Concho)
One Concho Center
600 W. Illinois Avenue
Midland, TX 79701

Attn: Kanicia Castillo

Re: **Coinflip State Com No 002H**

Please find enclosed a copy of the survey from 0' to 5,100' 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,

Keith Havelka
Operations

STATE OF TEXAS §
§
COUNTY OF NUECES §

This instrument was acknowledged before me on the 6th day of March, A.D., 2014, by Keith Havelka.

Meredith Darden
Notary Public, State of Texas

MEREDITH DARDEN
Notary Public, State of Texas
My Commission Expires
July 25, 2017

Company: COG Operating-Concho
Lease/Well: Coinflip State Com/No 002H
Location: S18 T20S R30E
Rig Name: McVey 6
State/County: New Mexico/Eddy
Latitude: 32.58, Longitude: -104.02
GRID North is 0.17 Degrees East of True North
VS-Azi: 0.00 Degrees

Depth Reference : RKB = 19 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS
Filename: ...flip state #2h gyro survey.ut
Minimum Curvature Method
Report Date/Time: 3/6/2014 / 13:49

Vaughn Energy Services
Midland, Texas
432-563-5444
Surveyor: Chris Ellis

Coinflip State Com No 002H / API 30-015-41937

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	0.33	298.89	100.00	0.14	-0.25	0.14	0.28	298.89	0.33
200.00	0.36	280.07	200.00	0.33	-0.81	0.33	0.87	292.23	0.12
300.00	0.38	323.91	300.00	0.65	-1.31	0.65	1.46	296.42	0.28
400.00	0.60	317.24	399.99	1.30	-1.86	1.30	2.27	305.00	0.23
500.00	0.49	333.65	499.99	2.07	-2.41	2.07	3.18	310.72	0.19
600.00	0.46	346.65	599.98	2.85	-2.69	2.85	3.92	316.63	0.11
700.00	0.61	38.02	699.98	3.66	-2.45	3.66	4.41	326.16	0.48
800.00	1.26	68.21	799.97	4.49	-1.10	4.49	4.62	346.23	0.80
900.00	2.74	77.81	899.90	5.41	2.26	5.41	5.86	22.70	1.51
1000.00	2.54	76.11	999.80	6.44	6.75	6.44	9.33	46.32	0.22
1100.00	2.86	74.46	1099.69	7.64	11.30	7.64	13.64	55.93	0.33
1200.00	3.08	72.90	1199.55	9.10	16.26	9.10	18.63	60.78	0.23
1300.00	3.05	65.70	1299.41	10.98	21.25	10.98	23.92	62.67	0.39
1400.00	2.96	57.84	1399.27	13.45	25.86	13.45	29.15	62.52	0.42
1500.00	3.03	59.66	1499.14	16.16	30.32	16.16	34.36	61.95	0.12
1600.00	3.26	59.89	1598.99	18.92	35.06	18.92	39.84	61.65	0.23
1700.00	3.71	63.95	1698.80	21.76	40.43	21.76	45.91	61.70	0.51
1800.00	4.65	63.55	1798.53	24.99	46.96	24.99	53.19	61.98	0.94

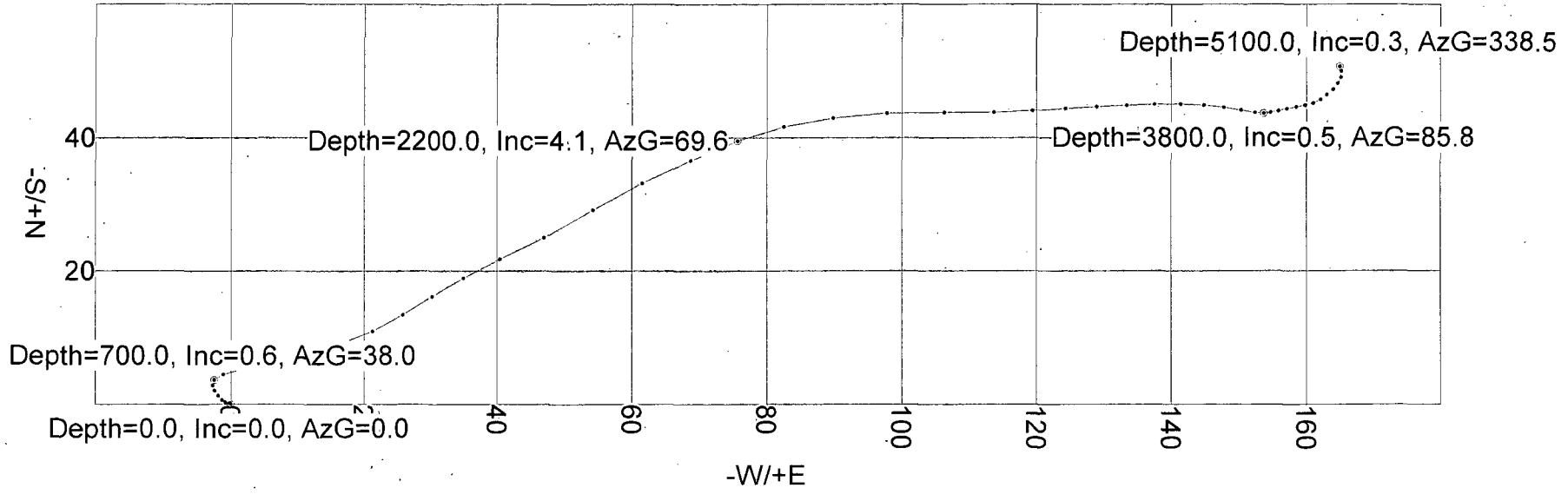
VES Survey Date: 02/19/2014

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	4.98	57.24	1898.18	29.14	54.24	29.14	61.57	61.75	0.63
2000.00	4.62	64.93	1997.83	33.20	61.54	33.20	69.92	61.65	0.74
2100.00	4.48	64.74	2097.52	36.57	68.72	36.57	77.84	61.98	0.14
2200.00	4.15	69.61	2197.23	39.50	75.64	39.50	85.33	62.43	0.49
2300.00	4.12	76.48	2296.97	41.60	82.52	41.60	92.41	63.25	0.50
2400.00	4.35	82.48	2396.70	42.93	89.77	42.93	99.51	64.44	0.50
2500.00	4.85	87.25	2496.38	43.63	97.76	43.63	107.06	65.95	0.63
2600.00	4.84	90.61	2596.02	43.79	106.21	43.79	114.88	67.59	0.28
2700.00	3.66	88.98	2695.74	43.80	113.62	43.80	121.77	68.92	1.19
2800.00	2.93	85.91	2795.58	44.04	119.36	44.04	127.22	69.75	0.74
2900.00	2.70	86.73	2895.46	44.36	124.26	44.36	131.94	70.35	0.24
3000.00	2.66	86.90	2995.35	44.62	128.93	44.62	136.43	70.91	0.03
3100.00	2.49	87.64	3095.25	44.83	133.42	44.83	140.75	71.42	0.18
3200.00	2.21	87.94	3195.16	44.99	137.52	44.99	144.69	71.88	0.28
3300.00	2.18	91.31	3295.09	45.02	141.34	45.02	148.34	72.33	0.13
3400.00	1.78	93.86	3395.03	44.87	144.79	44.87	151.59	72.78	0.40
3500.00	1.59	100.13	3494.99	44.52	147.71	44.52	154.27	73.23	0.27
3600.00	1.39	99.05	3594.95	44.09	150.27	44.09	156.61	73.65	0.20
3700.00	0.99	99.17	3694.93	43.76	152.32	43.76	158.49	73.97	0.40
3800.00	0.54	85.81	3794.92	43.66	153.65	43.66	159.73	74.14	0.48
3900.00	0.61	79.82	3894.92	43.78	154.64	43.78	160.72	74.19	0.09
4000.00	0.74	77.92	3994.91	44.01	155.79	44.01	161.89	74.22	0.13
4100.00	0.74	72.97	4094.90	44.34	157.04	44.34	163.18	74.23	0.06
4200.00	0.87	84.02	4194.89	44.61	158.42	44.61	164.58	74.27	0.20
4300.00	0.66	75.29	4294.88	44.83	159.73	44.83	165.90	74.32	0.24
4400.00	0.77	74.68	4394.88	45.15	160.93	45.15	167.14	74.33	0.11
4500.00	0.68	51.32	4494.87	45.70	162.04	45.70	168.36	74.25	0.30
4600.00	0.66	52.29	4594.86	46.43	162.96	46.43	169.44	74.10	0.02
4700.00	0.74	46.48	4694.85	47.22	163.88	47.22	170.55	73.93	0.10
4800.00	0.59	28.10	4794.85	48.12	164.59	48.12	171.48	73.70	0.26
4900.00	0.56	24.04	4894.84	49.02	165.04	49.02	172.16	73.46	0.05
5000.00	0.57	345.55	4994.84	49.96	165.11	49.96	172.50	73.17	0.37
5100.00	0.28	338.54	5094.83	50.67	164.90	50.67	172.51	72.92	0.30

VES Survey Date: 02/19/2014

Vaughn Energy Services
Midland, Texas
432-563-5444
Surveyor: Chris Ellis
Coinflip State Com No 002H / API 30-015-41937

VES SURVEY INTERNATIONAL



VES Survey Date: 02/19/2014

Archer

Archer Directional Drilling Services.
12101 Cutten Road
Houston, Texas 77066
Tel: 281-301-2600
Fax: 281-301-2795

COG Operating, LLC
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

March 10, 2014

Re: COG Operating, LLC
Coinflip State #2H
Field: Parkway
Rig: McVay Drilling #6
Eddy County, New Mexico
API # 30-015-41937

Enclosed please find the original of the surveys performed on the referenced well by Archer Directional Drilling Services. Other information required by your office is as follows:

Name & Title Of Surveyor	Wellhole Number	Survey Depths	Dates Performed	Type Survey
Justin Warnack Field Engineer	Original Hole	5292-12338	02/12/14-02/26/14	MWD

If additional information is required, please contact the undersigned at the letterhead address and phone number.

Dustin Trevino
MWD Coordinator

Archer
Archer Directional Drilling Services.
12101 Cutten Road
Houston, Texas 77066
Tel: 281-301-2600
Fax: 281-301-2795

MWD Survey Certification

State of New Mexico
County of Eddy

I, Dustin Trevino, certify that; I am employed by Archer Directional Drilling Services; that I did on the day(s) of 02/12/14 through 02/26/14 , conduct or supervise the taking of MWD surveys from a depth of 5292 feet to a depth of 12338 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Archer Directional Drilling Services; that I am authorized and qualified to make this report; that these surveys were conducted at the request of COG Operating, LLC for the Coinflip State #2H (API # 30-015-41937), Well located in Eddy County, New Mexico; and that I have reviewed this report and find that if conforms to the principles and procedures as set forth by Archer Directional Drilling Services

Dustin Trevino
MWD Coordinator

State of Texas
County of Harris

Before me, a notary public, on this day personally appeared Dustin Trevino , on this 10th day of March , 2014 , known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statement therein contained are true and correct.

Notary Public's Signature
Notary Public, State of Texas

KRISTI J. WALLINGTON
Notary Public, State of Texas
My Commission Expires
February 20, 2018

Archer

Company:	COG Operating, LLC	**Job Number:**	04666-433-22	**Calculation Method**	Minimum Curvature
Well:	Coinflip State #2H	**Mag Decl.:**	7.33	**Proposed Azimuth**	87.4
Location:	Eddy County, New Mexico	**Dir Driller:**	Hafa Donarumma	**Depth Reference**	KBG
Rig:	McVay Drilling 6	**MWD Eng:**	Justin Warnack/Oscar Pena	**Tie Into:**	Gyro Survey
Job Date:	02/12/14 - 02/26/14				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Tie In	**5100.00**	**0.28**	**338.54**	0	**5094.83**	**167.04**	**50.67 N**	**164.90 E**					
1	5292	0.8	342.7	192	5286.82	166.54	52.39 N	164.33 E	172.48	72.32	0.27	0.27	2.17
2	5419	0.7	345.9	127	5413.81	166.16	53.99 N	163.88 E	172.54	71.77	0.09	-0.08	2.52
3	5610	0.8	341.8	191	5604.79	165.57	56.38 N	163.18 E	172.64	70.94	0.06	0.05	-2.15
4	5800	0.9	332.7	190	5794.77	164.59	58.97 N	162.08 E	172.47	70.01	0.09	0.05	-4.79
5	5991	1.0	298.9	191	5985.75	162.54	61.11 N	159.93 E	171.21	69.09	0.29	0.05	-17.70
6	6182	0.9	299.6	191	6176.72	159.85	62.65 N	157.17 E	169.20	68.27	0.05	-0.05	0.37
7	6374	0.8	293.2	192	6368.70	157.36	63.93 N	154.62 E	167.32	67.54	0.07	-0.05	-3.33
8	6565	0.5	242.4	191	6559.69	155.41	64.07 N	152.66 E	165.56	67.23	0.32	-0.16	-26.60
9	6756	0.5	260.0	191	6750.68	153.83	63.54 N	151.10 E	163.92	67.19	0.08	0.00	9.21
10	6947	1.0	147.5	191	6941.67	153.83	61.99 N	151.18 E	163.39	67.71	0.67	0.26	-58.90
11	7139	2.1	131.9	192	7133.60	157.18	58.22 N	154.69 E	165.29	69.38	0.61	0.57	-8.13
12	7217	2.9	153.2	78	7211.53	159.00	55.51 N	156.65 E	166.19	70.49	1.56	1.03	27.31
13	7313	2.8	144.9	96	7307.41	161.26	51.42 N	159.09 E	167.19	72.09	0.44	-0.10	-8.65
14	7504	2.0	174.6	191	7498.25	163.93	44.29 N	162.09 E	168.03	74.72	0.76	-0.42	15.55
15	7697	1.5	148.1	193	7691.16	165.33	38.79 N	163.74 E	168.27	76.67	0.49	-0.26	-13.73
16	7761	1.8	152.0	64	7755.13	166.17	37.19 N	164.65 E	168.80	77.27	0.50	0.47	6.09
17	7793	1.8	156.8	32	7787.12	166.56	36.28 N	165.09 E	169.03	77.60	0.47	0.00	15.00
18	7825	2.2	139.7	32	7819.10	167.12	35.35 N	165.68 E	169.41	77.95	2.23	1.25	-53.44
19	7856	4.4	118.3	31	7850.04	168.50	34.34 N	167.11 E	170.61	78.39	8.02	7.10	-69.03
20	7888	6.8	105.3	32	7881.89	171.36	33.25 N	170.02 E	173.24	78.93	8.44	7.50	-40.63
21	7920	10.0	100.0	32	7913.54	175.87	32.27 N	174.59 E	177.55	79.53	10.28	10.00	-16.56
22	7952	13.2	97.6	32	7944.89	182.18	31.31 N	180.95 E	183.64	80.18	10.11	10.00	-7.50
23	7984	15.9	97.7	32	7975.86	190.09	30.23 N	188.91 E	191.32	80.91	8.44	8.44	0.31
24	8016	18.8	97.1	32	8006.40	199.49	29.01 N	198.38 E	200.49	81.68	9.08	9.06	-1.88
25	8048	20.8	95.7	32	8036.50	210.19	27.81 N	209.15 E	210.99	82.43	6.42	6.25	-4.37
26	8080	23.5	93.9	32	8066.14	222.16	26.81 N	221.17 E	222.79	83.09	8.70	8.44	-5.62
27	8112	26.5	92.9	32	8095.14	235.61	26.01 N	234.67 E	236.11	83.67	9.47	9.38	-3.13
28	8143	29.5	93.4	31	8122.51	250.08	25.21 N	249.20 E	250.47	84.22	9.71	9.68	1.61
29	8175	32.5	91.7	32	8149.93	266.50	24.49 N	265.66 E	266.79	84.73	9.77	9.38	-5.31
30	8207	34.4	90.1	32	8176.63	284.10	24.22 N	283.29 E	284.33	85.11	6.55	5.94	-5.00
31	8239	36.6	88.4	32	8202.68	302.67	24.47 N	301.87 E	302.86	85.37	7.53	6.88	-5.31
32	8271	39.3	87.5	32	8227.92	322.35	25.18 N	321.54 E	322.52	85.52	8.61	8.44	-2.81
33	8303	41.8	87.5	32	8252.23	343.15	26.08 N	342.32 E	343.31	85.64	7.81	7.81	0.00
34	8335	44.9	86.8	32	8275.50	365.11	27.18 N	364.25 E	365.27	85.73	9.80	9.69	-2.19
35	8366	49.0	85.8	31	8296.65	387.76	28.65 N	386.86 E	387.91	85.76	13.43	13.23	-3.23
36	8398	52.0	84.9	32	8317.00	412.43	30.65 N	411.46 E	412.60	85.74	9.62	9.38	-2.81
37	8430	55.9	84.1	32	8335.83	438.26	33.14 N	437.21 E	438.46	85.67	12.35	12.19	-2.50

Archer

Company:	COG Operating, LLC	**Job Number:**	04666-433-22	**Calculation Method**	Minimum Curvature
Well:	Coinflip State #2H	**Mag Decl.:**	7.33	**Proposed Azimuth**	87.4
Location:	Eddy County, New Mexico	**Dir Driller:**	Hafa Donarumma	**Depth Reference**	KBG
Rig:	McVay Drilling 6	**MWD Eng:**	Justin Warnack/Oscar Pena	**Tie Into:**	Gyro Survey
Job Date:	02/12/14 - 02/26/14				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
38	8462	59.6	83.7	32	8352.91	465.27	36.02 N	464.11 E	465.51	85.56	11.61	11.56	-1.25
39	8494	63.3	83.8	32	8368.19	493.32	39.07 N	492.06 E	493.60	85.46	11.66	11.66	0.31
40	8526	66.7	84.8	32	8381.70	522.28	41.95 N	520.91 E	522.60	85.40	10.91	10.53	3.13
41	8557	69.8	85.8	31	8393.19	551.05	44.31 N	549.61 E	551.39	85.39	10.44	10.00	3.23
42	8589	72.8	87.0	32	8403.45	581.35	46.21 N	579.85 E	581.69	85.44	10.03	9.38	3.75
43	8621	75.3	87.0	32	8412.24	612.12	47.82 N	610.58 E	612.45	85.52	7.81	7.81	0.00
44	8653	77.8	87.1	32	8419.68	643.24	49.42 N	641.65 E	643.55	85.60	7.82	7.81	0.31
45	8685	79.0	88.1	32	8426.12	674.58	50.73 N	672.97 E	674.88	85.69	4.84	3.75	3.13
46	8717	80.4	88.9	32	8431.84	706.06	51.56 N	704.44 E	706.33	85.81	5.02	4.38	2.50
47	8749	83.4	89.6	32	8436.35	737.72	51.97 N	736.12 E	737.95	85.96	9.62	9.38	2.19
48	8781	85.6	89.3	32	8439.42	769.55	52.28 N	767.97 E	769.75	86.11	6.94	6.87	-0.94
49	8812	86.6	89.2	31	8441.52	800.46	52.68 N	798.89 E	800.63	86.23	3.24	3.23	-0.32
50	8844	87.0	89.2	32	8443.31	832.40	53.13 N	830.84 E	832.54	86.34	1.25	1.25	0.00
51	8876	88.4	88.9	32	8444.59	864.36	53.66 N	862.81 E	864.48	86.44	4.47	4.38	-0.94
52	8908	90.1	88.8	32	8445.01	896.34	54.30 N	894.80 E	896.45	86.53	5.32	5.31	-0.31
53	8940	90.8	88.6	32	8444.76	928.33	55.02 N	926.79 E	928.42	86.60	2.28	2.19	-0.63
54	9035	90.7	87.5	95	8443.52	1023.32	58.26 N	1021.73 E	1023.38	86.74	1.16	-0.11	-1.16
55	9131	90.3	87.9	96	8442.68	1119.31	62.11 N	1117.64 E	1119.37	86.82	0.59	-0.42	0.42
56	9226	87.9	88.3	95	8444.17	1214.28	65.26 N	1212.57 E	1214.33	86.92	2.56	-2.53	0.42
57	9321	86.9	88.5	95	8448.48	1309.17	67.91 N	1307.44 E	1309.20	87.03	1.07	-1.05	0.21
58	9416	87.8	87.8	95	8452.87	1404.06	70.97 N	1402.28 E	1404.08	87.10	1.20	0.95	-0.74
59	9511	88.6	87.3	95	8455.86	1499.01	75.03 N	1497.15 E	1499.03	87.13	0.99	0.84	-0.53
60	9606	88.8	86.9	95	8458.01	1593.99	79.84 N	1592.00 E	1594.00	87.13	0.47	0.21	-0.42
61	9700	89.5	86.6	94	8459.41	1687.97	85.16 N	1685.84 E	1687.99	87.11	0.81	0.74	-0.32
62	9795	90.0	86.6	95	8459.82	1782.96	90.80 N	1780.67 E	1782.99	87.08	0.53	0.53	0.00
63	9890	89.5	87.9	95	8460.24	1877.95	95.36 N	1875.56 E	1877.98	87.09	1.47	-0.53	1.37
64	9985	89.8	87.5	95	8460.82	1972.95	99.17 N	1970.48 E	1972.97	87.12	0.53	0.32	-0.42
65	10080	88.8	88.9	95	8461.98	2067.93	102.15 N	2065.42 E	2067.95	87.17	1.81	-1.05	1.47
66	10175	89.1	88.5	95	8463.72	2162.89	104.31 N	2160.38 E	2162.90	87.24	0.53	0.32	-0.42
67	10270	89.6	87.9	95	8464.80	2257.87	107.29 N	2255.33 E	2257.88	87.28	0.82	0.53	-0.63
68	10364	90.0	87.6	94	8465.13	2351.87	110.98 N	2349.26 E	2351.88	87.30	0.53	0.43	-0.32
69	10459	91.4	86.5	95	8463.96	2446.86	115.87 N	2444.12 E	2446.86	87.29	1.87	1.47	-1.16
70	10554	90.4	88.0	95	8462.47	2541.84	120.43 N	2538.99 E	2541.85	87.28	1.90	-1.05	1.58
71	10649	88.5	89.8	95	8463.38	2636.80	122.25 N	2633.96 E	2636.80	87.34	2.75	-2.00	1.89
72	10743	89.0	89.6	94	8465.43	2730.70	122.74 N	2727.94 E	2730.70	87.42	0.57	0.53	-0.21
73	10838	89.8	88.7	95	8466.43	2825.65	124.15 N	2822.92 E	2825.65	87.48	1.27	0.84	-0.95
74	10933	87.7	88.8	95	8468.50	2920.59	126.22 N	2917.87 E	2920.60	87.52	2.21	-2.21	0.11
75	11028	88.1	88.1	95	8471.98	3015.51	128.79 N	3012.77 E	3015.52	87.55	0.85	0.42	-0.74
76	11123	88.4	87.7	95	8474.88	3110.47	132.27 N	3107.66 E	3110.48	87.56	0.53	0.32	-0.42

Archer

Company:	COG Operating, LLC	**Job Number:**	04666-433-22	**Calculation Method**	Minimum Curvature
Well:	Coinflip State #2H	**Mag Decl.:**	7.33	**Proposed Azimuth**	87.4
Location:	Eddy County, New Mexico	**Dir Driller:**	Hafa Donarumma	**Depth Reference**	KBG
Rig:	McVay Drilling 6	**MWD Eng:**	Justin Warnack/Oscar Pena	**Tie Into:**	Gyro Survey
Job Date:	02/12/14 - 02/26/14				

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Direction Azimuth	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
77	11217	89.7	87.9	94	8476.44	3204.45	135.88 N	3201.58 E	3204.46	87.57	1.40	1.38	0.21
78	11312	87.5	87.6	95	8478.76	3299.41	139.61 N	3296.47 E	3299.43	87.57	2.34	-2.32	-0.32
79	11407	87.9	87.2	95	8482.58	3394.33	143.91 N	3391.30 E	3394.35	87.57	0.60	0.42	-0.42
80	11502	88.2	86.9	95	8485.81	3489.28	148.80 N	3486.12 E	3489.29	87.56	0.45	0.32	-0.32
81	11597	88.7	87.0	95	8488.38	3584.24	153.85 N	3580.95 E	3584.25	87.54	0.54	0.53	0.11
82	11691	90.1	86.9	94	8489.36	3678.23	158.85 N	3674.81 E	3678.24	87.52	1.49	1.49	-0.11
83	11786	91.9	87.0	95	8487.70	3773.21	163.91 N	3769.65 E	3773.22	87.51	1.90	1.89	0.11
84	11881	92.0	88.3	95	8484.47	3868.15	167.80 N	3864.52 E	3868.16	87.51	1.37	0.11	1.37
85	11976	92.7	88.2	95	8480.58	3963.06	170.70 N	3959.39 E	3963.07	87.53	0.74	0.74	-0.11
86	12071	91.1	87.9	95	8477.43	4058.00	173.93 N	4054.28 E	4058.01	87.54	1.71	-1.68	-0.32
87	12102	90.5	87.9	31	8476.99	4088.99	175.07 N	4085.26 E	4089.01	87.55	1.94	-1.94	0.00
88	12166	91.3	87.7	64	8475.99	4152.98	177.52 N	4149.20 E	4153.00	87.55	1.29	1.25	-0.31
89	12197	91.8	88.0	31	8475.15	4183.97	178.69 N	4180.17 E	4183.99	87.55	1.88	1.61	0.97
Proj.	12338	91.8	88.0	141	8470.72	4324.89	183.60 N	4321.01 E	4324.91	87.57	0.00	0.00	0.00