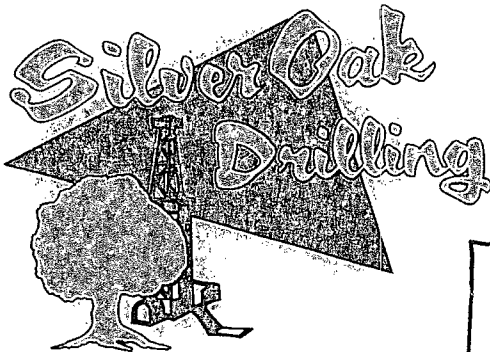
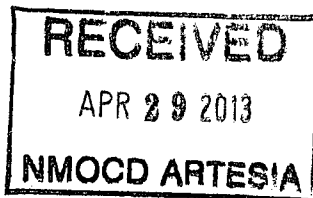




PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



COG OPERATING, L.
RECEIVED
JAN 07 2013
ARTESIA WEST

December 12, 2012

COG, LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

RE: Silver Streak 13 Fed Com #2H
400' FSL & 990' FWL
Sec. 13, T24S, R30E
Eddy County, New Mexico

30-015-39820

Dear Sir,

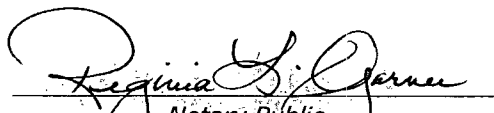
The attached is the Deviation Survey for the above captioned well.

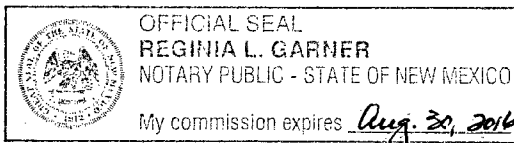
Very truly yours,


Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 12th day of December, 2012.


Regina L. Garner
Notary Public

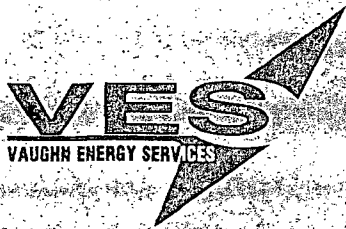


Silver Streak 13 Fed Com #2H

Date	Depth	Deviation	Direction	TVD
11/16/2012	242	0.40	0.00	0.00
11/16/2012	558	0.60	0.00	0.00
11/17/2012	711	0.80	98.00	111.00
11/17/2012	806	1.10	106.90	205.98
11/18/2012	900	1.10	127.20	0.00
11/18/2012	995	1.30	133.80	0.00
11/18/2012	1091	1.30	148.90	0.00
11/18/2012	1186	1.50	156.90	0.00
11/18/2012	1282	1.80	173.80	0.00
11/18/2012	1376	1.30	167.70	0.00
11/18/2012	1472	1.60	149.50	0.00
11/18/2012	1567	0.50	0.00	0.00
11/18/2012	2042	0.10	0.00	0.00
11/18/2012	2138	0.70	261.40	237.76
11/18/2012	2233	1.20	262.90	2232.75
11/18/2012	2328	1.60	276.60	2327.72
11/18/2012	2423	1.20	297.00	2421.69
11/18/2012	2517	1.00	312.80	2516.67
11/18/2012	2613	1.10	326.20	2612.66
11/19/2012	2708	2.00	330.00	2707.62
11/19/2012	2803	1.50	347.30	2802.58
11/19/2012	2899	1.50	353.20	2898.50
11/19/2012	2994	2.10	0.00	0.00
11/19/2012	3090	1.20	357.80	3089.46
11/19/2012	3185	1.10	338.00	0.00
11/19/2012	3281	2.10	321.50	3280.40
11/19/2012	3376	2.50	309.90	3375.33
11/19/2012	3472	1.40	301.40	3471.27
11/20/2012	3566	0.10	153.10	3565.26
11/20/2012	3662	0.60	138.20	3661.26
11/20/2012	3757	1.60	154.90	3756.24
11/20/2012	3947	0.70	0.00	0.00
11/20/2012	4043	1.40	0.00	0.00
11/22/2012	4473	0.90	0.00	0.00
11/22/2012	4822	0.50	0.00	0.00
11/22/2012	5298	0.30	0.00	0.00
11/22/2012	5711	0.40	0.00	0.00
11/22/2012	6159	0.20	0.00	0.00
11/22/2012	6668	1.00	0.00	0.00
11/23/2012	6756	0.40	0.00	0.00
11/23/2012	7459	1.30	0.00	0.00
11/23/2012	7748	1.20	0.00	0.00
11/23/2012	8225	0.40	0.00	0.00

Date	Depth	Deviation	Direction	TVD
11/24/2012	8703	1.40	0.00	8748.00
11/24/2012	8829	2.10	0.00	0.00
11/24/2012	9019	2.10	0.00	0.00
11/24/2012	9271	2.00	0.00	0.00
11/25/2012	9748	2.20	0.00	0.00
11/25/2012	10002	1.90	0.00	0.00
11/25/2012	10453	1.80	0.00	0.00
12/1/2012	9443	9.70	345.50	0.00
12/2/2012	9475	16.30	350.90	9472.29
12/2/2012	9507	22.20	350.60	9502.49
12/2/2012	9539	34.70	350.60	9531.87
12/2/2012	9570	26.80	350.40	9559.76
12/2/2012	9634	31.70	352.50	9615.52
12/2/2012	9634	31.70	352.00	0.00
12/2/2012	9697	35.30	357.10	0.00
12/2/2012	9761	44.70	359.50	0.00
12/2/2012	9856	51.50	354.40	9780.92
12/2/2012	9888	55.00	353.70	9800.06
12/2/2012	9920	59.70	354.60	9831.94
12/2/2012	9951	64.00	353.00	0.00
12/4/2012	10050	75.70	354.10	0.00
12/4/2012	10081	78.00	353.40	0.00
12/4/2012	10113	78.50	354.20	0.00
12/4/2012	10145	81.70	9883.25	0.00
12/4/2012	10177	84.70	352.10	9887.04
12/4/2012	10272	91.30	351.90	9889.82
12/5/2012	10462	90.00	354.80	9885.10
12/5/2012	10510	90.00	356.00	9885.15
12/5/2012	10590	90.20	355.70	9885.06
12/5/2012	10779	89.10	356.40	0.00
12/5/2012	10970	90.70	357.80	0.00
12/5/2012	11033	90.70	0.30	0.00
12/5/2012	11097	89.50	1.20	9888.56
12/5/2012	11161	90.00	0.50	9888.84
12/5/2012	11224	90.60	0.01	9888.51
12/6/2012	11443	90.20	359.50	9776.40
12/6/2012	11507	90.40	358.90	9887.91
12/6/2012	11570	89.30	359.90	0.00
12/6/2012	11730	89.10	0.04	0.00
12/6/2012	11890	89.70	358.80	0.00
12/6/2012	11985	88.60	360.00	0.00
12/6/2012	12080	89.30	358.60	9896.65
12/6/2012	12176	89.30	358.60	9897.82
12/6/2012	12271	89.50	358.60	9898.82
12/7/2012	12558	90.60	357.30	9898.40

Date	Depth	Deviation	Direction	TVD
12/7/2012	12653	88.30	358.00	9880.10
12/7/2012	12749	88.70	357.50	9901.83
12/8/2012	12941	90.70	355.80	9902.30
12/8/2012	13036	89.90	356.70	9901.83
12/8/2012	13226	90.20	355.60	9899.00
12/8/2012	13322	88.70	355.80	9900.00
12/8/2012	13417	90.80	356.80	9900.00
12/8/2012	13512	89.40	357.40	9900.60
12/8/2012	13606	89.30	356.70	9901.66
12/8/2012	13702	90.10	356.20	9902.17
12/9/2012	13892	90.00	354.80	9901.90
12/9/2012	13988	90.10	355.00	9901.80
12/9/2012	14083	90.00	353.70	9901.75

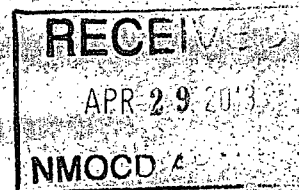


A GYRO TECHNOLOGIES INC. COMPANY

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

November 29, 2012

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



Attn: Kanica Castillo

RE: Silver Streak 13 Federal Com No. 002H

Please find enclosed a copy of the survey from 0.00' to 10415.00' 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,

Keith Havelka
Operations

Company: COG Operating, LLC (Concho)
Lease/Well: Silver Streak 13 Federal Com / No. 002H



Rig Name: Silver Oak #12
State/County: New Mexico / Eddy
Latitude: 32.21, Longitude: -103.84
GRID North is 0.26 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB = 18'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro/survey1.ut

Minimum Curvature Method

Report Date/Time: 11/29/2012 / 13:39

Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Logan Henry

Silver Streak 13 Federal Com No. 002H / API 30-015-39820

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	0.29	351.85	100.00	0.25	-0.04	0.25	0.25	351.85	0.29
200:00	0.21	58.91	200.00	0.59	0.09	0.59	0.60	8:59	0.28
300:00	0.26	71.88	300.00	0.76	0.46	0.76	0.89	31:51	0.07
400:00	0.30	84.85	400.00	0.85	0.94	0.85	1.27	47:96	0.08
500:00	0.58	84.58	499.99	0.92	1.71	0.92	1.95	61:72	0.28
600:00	0.86	90.00	599.99	0.97	2.97	0.97	3.13	71:93	0.29
700:00	0.80	94.49	699.98	0.92	4.42	0.92	4.52	78.30	0.09
800:00	0.73	104.68	799.97	0.70	5.74	0.70	5.78	83:05	0.15
900:00	1.09	124.89	899.95	-0.01	7.14	-0.01	7.14	90.07	0.48
1000:00	1.45	145:10	999.93	-1.59	8.64	-1.59	8.79	100.45	0.57
1100:00	1.41	146.72	1099.90	-3.66	10.04	-3.66	10.69	110.03	0.06
1200:00	1.37	148.93	1199.87	-5.71	11.34	-5.71	12.69	116:75	0.07
1300:00	1.30	146.08	1299.84	-7.68	12.58	-7.68	14.74	121:38	0.09
1400:00	1.23	147.84	1399.82	-9.53	13.79	-9.53	16.76	124.64	0.08
1500:00	0.84	148.37	1499.80	-11.06	14.75	-11.06	18.43	126.87	0.40
1600:00	0.44	158:00	1599.79	-12.04	15.27	-12.04	19.45	128.25	0.41
1700:00	0.41	91:19	1699.79	-12.40	15.78	-12.40	20:07	128.17	0.47
1800:00	0.38	29:49	1799.79	-12.12	16.30	-12.12	20.31	126.63	0.41

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	0.29	302.20	1899.79	-11.69	16.25	-11.69	20.02	125.73	0.47
2000:00	0.20	214.92	1999.79	-11.70	15.94	-11.70	19.77	126.28	0.34
2100:00	0.64	238.67	2099.79	-12.13	15.36	-12.13	19.57	128.30	0.47
2200:00	1.08	262.41	2199.77	-12.55	13.94	-12.55	18.76	131.98	0.56
2300:00	1.21	275.26	2299.75	-12.57	11.95	-12.57	17.35	136.45	0.29
2400:00	1.34	288.10	2399.73	-12.11	9.78	-12.11	15.57	141.07	0.31
2500:00	1.07	305.38	2499.71	-11.21	7.91	-11.21	13.72	144.79	0.45
2600:00	0.79	322.67	2599.69	-10.13	6.74	-10.13	12.16	146.36	0.39
2700:00	1.34	330.94	2699.68	-8.56	5.75	-8.56	10.31	146.09	0.57
2800:00	1.90	339.22	2799.64	-5.98	4.60	-5.98	7.55	142.48	0.60
2900:00	1.98	346.78	2899.58	-2.76	3.61	-2.76	4.55	127.34	0.27
3000:00	2.06	354.33	2999.52	0.71	3.04	0.71	3.12	76.88	0.28
3100:00	1.59	338.44	3099.47	3.79	2.35	3.79	4.46	31.88	0.69
3200:00	1.12	322.55	3199.44	5.85	1.25	5.85	5.98	12.06	0.60
3300:00	1.85	318.73	3299.41	7.84	-0.41	7.84	7.85	357.00	0.74
3400:00	2.58	314.92	3399.33	10.65	-3.07	10.65	11.09	343.90	0.75
3500:00	1.56	232.21	3499.28	11.41	-5.75	11.41	12.78	333.26	2.84
3600:00	0.54	155.89	3599.27	10.15	-6.63	10.15	12.12	326.83	1.53
3700:00	1.14	154.66	3699.25	8.82	-6.02	8.82	10.68	325.71	0.60
3800:00	1.74	159.83	3799.22	6.49	-5.07	6.49	8.24	322.05	0.62
3900:00	1.44	193.61	3899.19	3.84	-4.84	3.84	6.18	308.47	0.97
4000:00	1.14	280.40	3999.17	2.80	-6.11	2.80	6.72	294.60	1.79
4100:00	1.36	319.88	4099.15	3.89	-7.86	3.89	8.77	296.33	0.87
4200:00	1.59	330.36	4199.11	6.00	-9.31	6.00	11.08	302.81	0.35
4300:00	1.51	330.85	4299.08	8.36	-10.64	8.36	13.53	308.15	0.08
4400:00	1.43	333.63	4399.04	10.62	-11.83	10.62	15.90	311.91	0.11
4500:00	1.21	338.12	4499.02	12.72	-12.78	12.72	18.03	314.86	0.24
4600:00	0.99	344.90	4599.00	14.53	-13.40	14.53	19.77	317.33	0.25
4700:00	0.68	337.23	4698.99	15.92	-13.85	15.92	21.10	318.96	0.33
4800:00	0.37	329.55	4798.98	16.74	-14.24	16.74	21.98	319.60	0.32
4900:00	0.46	321.22	4898.98	17.33	-14.66	17.33	22.70	319.77	0.11
5000:00	0.56	312.88	4998.98	17.97	-15.27	17.97	23.58	319.65	0.12
5100:00	0.44	304.32	5098.97	18.52	-15.94	18.52	24.44	319.28	0.14
5200:00	0.32	295.76	5198.97	18.86	-16.51	18.86	25.06	318.80	0.13
5300:00	0.40	314.85	5298.97	19.23	-17.01	19.23	25.67	318.50	0.15
5400:00	0.49	333.93	5398.97	19.86	-17.45	19.86	26.44	318.70	0.17
5500:00	0.50	333.74	5498.96	20.63	-17.83	20.63	27.27	319.17	0.01
5600:00	0.50	330.95	5598.96	21.41	-18.23	21.41	28.12	319.58	0.03
5700:00	0.54	312.57	5698.95	22.11	-18.80	22.11	29.02	319.63	0.17

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
5800.00	0.58	291.59	5798.95	22.62	-19.62	22.62	29.94	319.06	0.21
5900.00	0.38	15.58	5898.95	23.13	-20.00	23.13	30.58	319.15	0.67
6000.00	0.19	99.58	5998.95	23.43	-19.75	23.43	30.65	319.86	0.41
6100.00	0.14	57.62	6098.95	23.47	-19.49	23.47	30.51	320.29	0.12
6200.00	0.10	15.66	6198.95	23.62	-19.36	23.62	30.54	320.67	0.10
6300.00	0.20	318.42	6298.95	23.84	-19.45	23.84	30.77	320.79	0.17
6400.00	0.30	261.19	6398.94	23.93	-19.83	23.93	31.08	320.36	0.25
6500.00	0.33	257.87	6498.94	23.83	-20.36	23.83	31.35	319.48	0.03
6600.00	0.36	254.54	6598.94	23.69	-20.95	23.69	31.62	318.51	0.04
6700.00	0.43	304.55	6698.94	23.81	-21.56	23.81	32.12	317.85	0.34
6800.00	0.49	354.55	6798.94	24.45	-21.90	24.45	32.83	318.15	0.39
6900.00	0.49	67.41	6898.93	25.05	-21.55	25.05	33.04	319.29	0.58
7000.00	0.48	140.27	6998.93	24.89	-20.89	24.89	32.49	319.99	0.57
7100.00	0.53	139.72	7098.93	24.21	-20.33	24.21	31.61	319.99	0.05
7200.00	0.58	142.96	7198.92	23.46	-19.73	23.46	30.65	319.94	0.06
7300.00	0.97	142.81	7298.91	22.38	-18.91	22.38	29.30	319.81	0.40
7400.00	1.37	147.46	7398.89	20.70	-17.75	20.70	27.27	319.38	0.41
7500.00	1.34	147.54	7498.86	18.71	-16.49	18.71	24.94	318.62	0.03
7600.00	1.30	148.63	7598.84	16.76	-15.27	16.76	22.67	317.66	0.04
7700.00	1.15	146.47	7698.81	14.95	-14.12	14.95	20.57	316.63	0.16
7800.00	0.99	150.31	7798.80	13.36	-13.14	13.36	18.74	315.48	0.17
7900.00	0.61	187.94	7898.79	12.08	-12.78	12.08	17.59	313.37	0.63
8000.00	0.23	231.57	7998.79	11.42	-13.02	11.42	17.32	311.28	0.47
8100.00	0.22	212.17	8098.78	11.13	-13.28	11.13	17.33	309.98	0.08
8200.00	0.22	192.76	8198.78	10.78	-13.42	10.78	17.22	308.78	0.07
8300.00	0.38	151.72	8298.78	10.31	-13.31	10.31	16.83	307.76	0.26
8400.00	0.55	110.68	8398.78	9.84	-12.70	9.84	16.07	307.77	0.36
8500.00	1.03	169.69	8498.77	8.79	-12.09	8.79	14.95	306.00	0.88
8600.00	1.52	208.69	8598.75	6.74	-12.57	6.74	14.26	298.21	0.97
8700.00	1.71	228.64	8698.71	4.60	-14.32	4.60	15.04	287.80	0.59
8800.00	1.90	226.59	8798.66	2.48	-16.64	2.48	16.82	278.47	0.20
8900.00	1.98	208.60	8898.60	-0.17	-18.67	-0.17	18.67	269.47	0.61
9000.00	2.06	188.62	8998.54	-3.47	-19.76	-3.47	20.07	260.05	0.71
9100.00	1.99	194.94	9098.48	-6.92	-20.48	-6.92	21.62	251.32	0.23
9200.00	1.93	201.20	9198.42	-10.17	-21.54	-10.17	23.82	244.72	0.22
9300.00	1.80	205.35	9298.37	-13.16	-22.82	-13.16	26.34	240.03	0.19
9400.00	1.66	209.44	9398.32	-15.84	-24.20	-15.84	28.92	236.80	0.18
9500.00	2.03	217.43	9498.27	-18.50	-25.99	-18.50	31.90	234.55	0.44
9600.00	2.39	225.41	9598.20	-21.37	-28.55	-21.37	35.66	233.18	0.47

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
9700:00	2.20	216.63	9698.12	-24.37	-31.18	-24.37	39.57	231.98	0.40
9800:00	2.01	207.85	9798.05	-27.46	-33.14	-27.46	43.04	230.35	0.37
9900:00	1.84	210.04	9897.99	-30.40	-34.76	-30.40	46.18	228.83	0.19
10000:00	1.67	212.23	9997.95	-33.03	-36.34	-33.03	49.11	227.74	0.18
10100:00	1.84	209.13	10097.90	-35.66	-37.90	-35.66	52.04	226.74	0.20
10200:00	2.02	206.93	10197.84	-38.64	-39.48	-38.64	55.24	225.62	0.19
10300:00	1.99	187.60	10297.78	-41.93	-40.51	-41.93	58.30	224.01	0.67
10400:00	1.96	169.17	10397.72	-45.33	-40.42	-45.33	60.73	221.72	0.63
10415:00	1.84	167.42	10412.72	-45.82	-40.32	-45.82	61.03	221.35	0.89



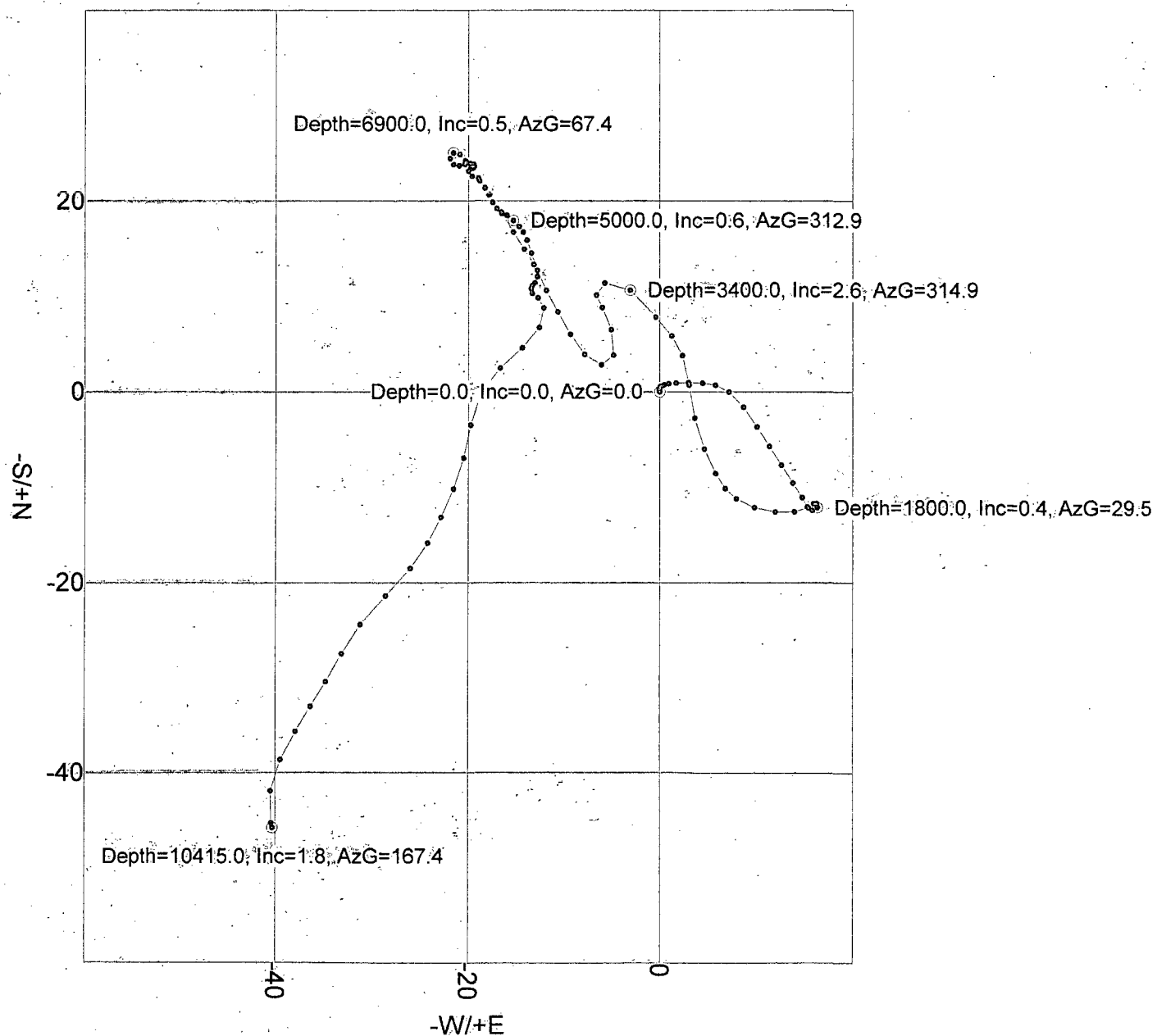
Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Logan Henry

Silver Streak 13 Federal Com No. 002H / API 30-015-39820



VES Survey Date: 11/25/2012



COG Operating LLC

Eddy County, NM

Silverstreak 13 Federal Com

#2H

OH

Design: OH

Standard Survey Report

10 December, 2012



Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18' KB)
Site:	Silverstreak 13 Federal Com	MD Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18' KB)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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: Silverstreak 13 Federal Com					
Site Position:		Northing:	441,054.10 usft	Latitude:	32° 12' 41.794 N
From:	Map	Easting:	652,802.30 usft	Longitude:	103° 50' 21.404 W
Position Uncertainty:	2.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.26 °

Well:	#2H				
Well Position	+N/-S	0.0 usft	Northing:	441,054.10 usft	Latitude: 32° 12' 41.794 N
	+E/-W	0.0 usft	Easting:	652,802.30 usft	Longitude: 103° 50' 21.404 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level: 3,456.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/8/2012	7.54	60.09	48,439

Design:	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	359.30	

Survey Program		Date	12/10/2012		
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
100.0	9,300.0	Survey #1 - VES1 (Pilot)	CB-GYRO-MS	Camera based gyro multishot	
9,443.0	14,185.0	Survey #2 - Crescent1 (OH)	CB-GYRO-MS	Camera based gyro multishot	
14,225.0	14,225.0	Survey #3 - PTE (OH)	MWD	MWD - Standard	

Survey	Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
	Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
	(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	100.0	0.29	351.85	100.0	0.3	0.0	0.3	0.29	0.29	0.00
	200.0	0.21	58.91	200.0	0.6	0.1	0.6	0.28	-0.08	67.06
	300.0	0.26	71.88	300.0	0.8	0.5	0.8	0.07	0.05	12.97
	400.0	0.30	84.85	400.0	0.9	0.9	0.8	0.07	0.04	12.97
	500.0	0.58	84.58	500.0	0.9	1.7	0.9	0.28	0.28	-0.27
	600.0	0.86	90.00	600.0	1.0	3.0	0.9	0.29	0.28	5.42
	700.0	0.80	94.49	700.0	0.9	4.4	0.9	0.09	-0.06	4.49
	800.0	0.73	104.68	800.0	0.7	5.7	0.6	0.15	-0.07	10.19

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County JNM	TVD Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18' KB)
Site:	Silverstreak 13 Federal Com	MD Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18' KB)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)	
900.0	1.09	124.89	900.0	0.0	7.1	-0.1	0.48	0.36	20.21	
1,000.0	1.45	145.10	999.9	-1.6	8.6	-1.7	0.57	0.36	20.21	
1,100.0	1.41	146.72	1,099.9	-3.7	10.0	-3.8	0.06	-0.04	1.62	
1,200.0	1.37	148.93	1,199.9	-5.7	11.3	-5.8	0.07	-0.04	2.21	
1,300.0	1.30	146.08	1,299.8	-7.7	12.6	-7.8	0.10	-0.07	-2.85	
1,400.0	1.23	147.84	1,399.8	-9.5	13.8	-9.7	0.08	-0.07	1.76	
1,500.0	0.84	148.37	1,499.8	-11.1	14.7	-11.2	0.39	-0.39	0.53	
1,600.0	0.44	158.00	1,599.8	-12.0	15.2	-12.2	0.41	-0.40	9.63	
1,700.0	0.41	91.19	1,699.8	-12.4	15.7	-12.6	0.47	-0.03	-66.81	
1,800.0	0.38	29.49	1,799.8	-12.1	16.3	-12.3	0.41	-0.03	-61.70	
1,900.0	0.29	302.20	1,899.8	-11.7	16.2	-11.9	0.47	-0.09	-87.29	
2,000.0	0.20	214.92	1,999.8	-11.7	15.9	-11.9	0.34	-0.09	-87.28	
2,100.0	0.64	238.67	2,099.8	-12.1	15.3	-12.3	0.46	0.44	23.75	
2,200.0	1.08	262.41	2,199.8	-12.5	13.9	-12.7	0.56	0.44	23.74	
2,300.0	1.21	275.26	2,299.8	-12.6	11.9	-12.7	0.29	0.13	12.85	
2,400.0	1.34	288.10	2,399.7	-12.1	9.8	-12.2	0.31	0.13	12.84	
2,500.0	1.07	305.38	2,499.7	-11.2	7.9	-11.3	0.45	-0.27	17.28	
2,600.0	0.79	322.67	2,599.7	-10.1	6.7	-10.2	0.39	-0.28	17.29	
2,700.0	1.34	330.94	2,699.7	-8.6	5.7	-8.6	0.57	0.55	8.27	
2,800.0	1.90	339.22	2,799.6	-6.0	4.6	-6.0	0.61	0.56	8.28	
2,900.0	1.98	346.78	2,899.6	-2.7	3.6	-2.8	0.27	0.08	7.56	
3,000.0	2.06	354.33	2,999.5	0.7	3.0	0.7	0.28	0.08	7.55	
3,100.0	1.59	338.44	3,099.5	3.8	2.3	3.8	0.69	-0.47	-15.89	
3,200.0	1.12	322.55	3,199.4	5.9	1.2	5.9	0.60	-0.47	-15.89	
3,266.8	1.61	319.61	3,266.2	7.1	0.2	7.1	0.74	0.73	-4.40	
Cross into 330° Lease @ 3266.8' MD 3266.2' TVD 11.61° INC 5.5° VS										
3,300.0	1.85	318.73	3,299.4	7.9	-0.4	7.9	0.74	0.73	-2.66	
3,400.0	2.58	314.92	3,399.3	10.7	-3.1	10.7	0.74	0.73	-3.81	
3,500.0	1.56	232.21	3,499.3	11.4	-5.8	11.5	2.84	-1.02	-82.71	
3,600.0	0.54	155.89	3,599.3	10.2	-6.6	10.2	1.53	-1.02	-76.32	
3,700.0	1.14	154.66	3,699.3	8.8	-6.0	8.9	0.60	0.60	-1.23	
3,800.0	1.74	159.83	3,799.2	6.5	-5.1	6.6	0.61	0.60	5.17	
3,900.0	1.44	193.61	3,899.2	3.9	-4.9	3.9	0.97	-0.30	33.78	
4,000.0	1.14	280.40	3,999.2	2.8	-6.1	2.9	1.79	-0.30	86.79	
4,100.0	1.36	319.88	4,099.1	3.9	-7.9	4.0	0.87	0.22	39.48	
4,200.0	1.59	330.36	4,199.1	6.0	-9.3	6.1	0.35	0.23	10.48	
4,300.0	1.51	330.85	4,299.1	8.4	-10.7	8.5	0.08	-0.08	0.49	
4,400.0	1.43	333.63	4,399.0	10.6	-11.8	10.8	0.11	-0.08	2.78	
4,500.0	1.21	338.12	4,499.0	12.7	-12.8	12.9	0.24	-0.22	4.49	
4,600.0	0.99	344.90	4,599.0	14.5	-13.4	14.7	0.26	-0.22	6.78	
4,700.0	0.68	337.23	4,699.0	15.9	-13.9	16.1	0.33	-0.31	-7.67	
4,800.0	0.37	329.55	4,799.0	16.8	-14.3	16.9	0.32	-0.31	-7.68	
4,900.0	0.46	321.22	4,899.0	17.3	-14.7	17.5	0.11	0.09	-8.33	

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3474.0usft (Silver Oak #12-18 KB)
Site:	Silverstreak 13 Federal Com	MD Reference:	WELL @ 3474.0usft (Silver Oak #12-18 KB)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)
5,000.0	0.56	312.88	4,999.0	18.0	-15.3	18.2	0.12	0.10	-8.34
5,100.0	0.44	304.32	5,099.0	18.5	-16.0	18.7	0.14	-0.12	-8.56
5,200.0	0.32	295.76	5,199.0	18.9	-16.5	19.1	0.13	-0.12	-8.56
5,300.0	0.40	314.85	5,299.0	19.2	-17.0	19.5	0.14	0.08	19.09
5,400.0	0.49	333.93	5,399.0	19.9	-17.5	20.1	0.17	0.09	19.08
5,500.0	0.50	333.74	5,499.0	20.7	-17.8	20.9	0.01	0.01	-0.19
5,600.0	0.50	330.95	5,599.0	21.4	-18.2	21.6	0.02	0.00	-2.79
5,700.0	0.54	312.57	5,699.0	22.1	-18.8	22.4	0.17	0.04	-18.38
5,800.0	0.58	291.59	5,799.0	22.6	-19.6	22.9	-0.21	0.04	-20.98
5,900.0	0.38	15.58	5,898.9	23.1	-20.0	23.4	0.66	-0.20	83.99
6,000.0	0.19	99.58	5,998.9	23.4	-19.8	23.7	0.41	-0.19	84.00
6,100.0	0.14	57.62	6,098.9	23.5	-19.5	23.7	0.13	-0.05	-41.96
6,200.0	0.10	15.66	6,198.9	23.6	-19.4	23.8	0.09	-0.04	-41.96
6,300.0	0.20	318.42	6,298.9	23.8	-19.5	24.1	0.17	0.10	-57.24
6,400.0	0.30	261.19	6,398.9	23.9	-19.8	24.2	0.26	0.10	-57.23
6,500.0	0.33	257.87	6,498.9	23.8	-20.4	24.1	0.04	0.03	-3.32
6,600.0	0.36	254.54	6,598.9	23.7	-21.0	23.9	0.04	0.03	-3.33
6,700.0	0.43	304.55	6,698.9	23.8	-21.6	24.1	0.34	0.07	50.01
6,800.0	0.49	354.55	6,798.9	24.4	-21.9	24.7	0.39	0.06	50.00
6,900.0	0.49	67.41	6,898.9	25.0	-21.6	25.3	0.58	0.00	72.86
7,000.0	0.48	140.27	6,998.9	24.9	-20.9	25.1	0.58	-0.01	72.86
7,100.0	0.53	139.72	7,098.9	24.2	-20.3	24.4	0.05	0.05	-0.55
7,200.0	0.58	142.96	7,198.9	23.4	-19.7	23.7	0.06	0.05	3.24
7,300.0	0.97	142.81	7,298.9	22.4	-18.9	22.6	0.39	0.39	-0.15
7,400.0	1.37	147.46	7,398.9	20.7	-17.8	20.9	0.41	0.40	4.65
7,500.0	1.34	147.54	7,498.9	18.7	-16.5	18.9	0.03	-0.03	0.08
7,600.0	1.30	148.63	7,598.8	16.7	-15.3	16.9	0.05	-0.04	1.09
7,700.0	1.15	146.47	7,698.8	14.9	-14.1	15.1	0.16	-0.15	-2.16
7,800.0	0.99	150.31	7,798.8	13.3	-13.1	13.5	0.18	-0.16	3.84
7,900.0	0.61	187.94	7,898.8	12.1	-12.8	12.2	0.63	-0.38	37.63
8,000.0	0.23	231.57	7,998.8	11.4	-13.0	11.6	0.47	-0.38	43.63
8,100.0	0.22	212.17	8,098.8	11.1	-13.3	11.3	0.08	-0.01	-19.40
8,200.0	0.22	192.76	8,198.8	10.8	-13.4	10.9	0.07	0.00	-19.41
8,300.0	0.38	151.72	8,298.8	10.3	-13.3	10.5	0.26	-0.16	-41.04
8,400.0	0.55	110.68	8,398.8	9.8	-12.7	10.0	0.36	0.17	-41.04
8,500.0	1.03	169.69	8,498.8	8.8	-12.1	8.9	0.88	0.48	59.01
8,600.0	1.52	208.69	8,598.7	6.7	-12.6	6.9	0.97	-0.49	39.00
8,700.0	1.71	228.64	8,698.7	4.6	-14.3	4.8	0.59	0.19	19.95
8,800.0	1.90	226.59	8,798.7	2.5	-16.6	2.7	0.20	0.19	-2.05
8,900.0	1.98	208.60	8,898.6	-0.2	-18.7	0.0	0.61	0.08	-17.99
9,000.0	2.06	188.62	8,998.5	-3.5	-19.8	-3.3	0.71	0.08	-19.98
9,100.0	1.99	194.94	9,098.5	-6.9	-20.5	-6.7	0.23	-0.07	6.32
9,200.0	1.93	201.20	9,198.4	-10.2	-21.5	-9.9	0.22	-0.06	6.26
9,300.0	1.80	205.35	9,298.4	-13.2	-22.8	-12.9	0.19	-0.13	4.15

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County NM	TVD Reference:	WELL @ 3474'0usft (Silver Oak #12 - 18' KB)
Site:	Silverstreak 13 Federal Com.	MD Reference:	WELL @ 3474'0usft (Silver Oak #12 - 18' KB)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)
Tie into Pilot - KOP @ 9300' MD									
9,443.0	9.70	345.50	9,440.8	-3.5	-26.8	-3.2	7.79	5.52	98.01
9,475.0	16.30	350.90	9,471.9	3.5	-28.2	3.9	20.95	20.63	16.88
9,507.0	22.20	350.60	9,502.1	13.9	-29.9	14.3	18.44	18.44	-0.94
9,539.0	24.70	350.60	9,531.5	26.5	-32.0	26.9	7.81	7.81	0.00
9,570.0	26.80	350.40	9,559.4	39.8	-34.2	40.2	6.78	6.77	-0.65
9,602.0	29.50	350.70	9,587.6	54.7	-36.7	55.1	8.45	8.44	0.94
9,634.0	31.70	352.50	9,615.2	70.8	-39.1	71.3	7.45	6.88	5.63
9,666.0	33.10	355.80	9,642.2	87.8	-40.8	88.3	7.05	4.38	10.31
9,697.0	35.30	357.10	9,667.8	105.2	-41.9	105.7	7.48	7.10	4.19
9,729.0	39.40	358.00	9,693.2	124.6	-42.7	125.1	12.93	12.81	2.81
9,761.0	44.10	359.50	9,717.1	145.9	-43.1	146.4	15.01	14.69	4.69
9,793.0	46.90	358.00	9,739.5	168.7	-43.6	169.3	9.37	8.75	-4.69
9,824.0	48.70	356.90	9,760.4	191.7	-44.7	192.2	6.37	5.81	-3.55
9,856.0	51.50	354.40	9,780.9	216.1	-46.5	216.7	10.60	8.75	-7.81
9,888.0	55.00	353.70	9,800.0	241.6	-49.2	242.2	11.08	10.94	-2.19
9,920.0	59.70	354.60	9,817.3	268.4	-51.9	269.1	14.88	14.69	2.81
9,951.0	64.00	353.20	9,831.9	295.6	-54.9	296.3	14.43	13.87	-4.52
9,986.0	70.40	354.60	9,845.5	327.7	-58.3	328.4	18.65	18.29	4.00
10,018.0	73.00	354.70	9,855.5	357.9	-61.1	358.6	8.13	8.13	0.31
10,050.0	75.70	354.10	9,864.1	388.6	-64.1	389.3	8.63	8.44	-1.88
10,081.0	78.00	353.40	9,871.2	418.6	-67.4	419.4	7.74	7.42	-2.26
10,113.0	78.50	354.20	9,877.7	449.7	-70.8	450.6	2.90	1.56	2.50
10,145.0	81.70	352.90	9,883.2	481.1	-74.3	481.9	10.77	10.00	-4.06
10,177.0	84.70	352.10	9,887.0	512.6	-78.5	513.5	9.70	9.38	-2.50
10,209.0	87.50	352.90	9,889.2	544.2	-82.6	545.2	9.10	8.75	2.50
10,248.0	89.85	352.28	9,890.1	582.9	-87.7	583.9	6.24	6.03	-1.59
EOC 10248.0' MD 9890.1' TVD 89.85° INC 583.9° VS									
10,272.0	91.30	351.90	9,889.8	606.6	-91.0	607.7	6.24	6.03	-1.59
10,335.0	92.10	352.00	9,888.0	669.0	-99.8	670.2	1.28	1.27	0.16
10,399.0	91.50	352.40	9,886.0	732.4	-108.5	733.6	1.13	-0.94	0.63
10,462.0	90.00	354.80	9,885.1	795.0	-115.5	796.3	4.49	-2.38	3.81
10,526.0	90.00	356.00	9,885.1	858.7	-120.6	860.2	1.88	0.00	1.88
10,590.0	90.20	355.70	9,885.0	922.6	-125.3	924.0	0.56	0.31	-0.47
10,653.0	88.80	355.90	9,885.6	985.4	-129.9	986.9	2.24	-2.22	0.32
10,716.0	88.60	356.00	9,887.0	1,048.2	-134.3	1,049.8	0.35	-0.32	0.16
10,779.0	89.10	356.40	9,888.3	1,111.1	-138.5	1,112.7	1.02	0.79	0.63
10,842.0	89.70	356.40	9,888.9	1,174.0	-142.4	1,175.6	0.95	0.95	0.00
10,906.0	89.40	356.90	9,889.4	1,237.8	-146.2	1,239.5	0.91	-0.47	0.78
10,970.0	90.70	357.80	9,889.4	1,301.8	-149.1	1,303.5	2.47	2.03	1.41
11,033.0	90.70	0.30	9,888.6	1,364.8	-150.2	1,366.5	3.97	0.00	3.97
11,097.0	89.50	1.20	9,888.5	1,428.7	-149.4	1,430.5	2.34	-1.88	1.41
11,161.0	90.00	0.50	9,888.8	1,492.7	-148.4	1,494.4	1.34	0.78	-1.09

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #2H:
Project:	Eddy County, NM	TVD Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18" KB)
Site:	Silverstreak 13 Federal Com	MD Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18" KB)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

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)	
11,224.0	90.60	0.10	9,888.4	1,555.7	-148.1	1,557.4	1.14	0.95	-0.63	
11,319.0	89.70	0.10	9,888.2	1,650.7	-147.9	1,652.4	0.95	-0.95	0.00	
11,381.0	90.00	359.60	9,888.4	1,712.7	-148.1	1,714.4	0.94	0.48	-0.81	
11,443.0	90.20	359.50	9,888.2	1,774.7	-148.6	1,776.4	0.36	0.32	-0.16	
11,507.0	90.40	358.90	9,887.9	1,838.7	-149.4	1,840.4	0.99	0.31	-0.94	
11,570.0	89.30	359.90	9,888.1	1,901.7	-150.1	1,903.4	2.36	-1.75	1.59	
11,634.0	88.30	0.30	9,889.4	1,965.7	-150.0	1,967.4	1.68	-1.56	0.63	
11,730.0	89.10	0.40	9,891.6	2,061.7	-149.4	2,063.3	0.84	0.83	0.10	
11,794.0	89.20	0.20	9,892.5	2,125.7	-149.1	2,127.3	0.35	0.16	-0.31	
11,890.0	89.70	358.80	9,893.5	2,221.7	-149.9	2,223.3	1.55	0.52	-1.46	
11,985.0	88.60	0.00	9,894.9	2,316.6	-150.9	2,318.3	1.71	-1.16	1.26	
12,080.0	89.30	358.60	9,896.6	2,411.6	-152.1	2,413.3	1.65	0.74	-1.47	
12,176.0	89.30	358.60	9,897.8	2,507.6	-154.4	2,509.3	0.00	0.00	0.00	
12,271.0	89.50	358.60	9,898.8	2,602.5	-156.7	2,604.3	0.21	0.21	0.00	
12,367.0	90.00	357.90	9,899.2	2,698.5	-159.7	2,700.2	0.90	0.52	-0.73	
12,462.0	90.20	357.80	9,899.0	2,793.4	-163.2	2,795.2	0.24	0.21	-0.11	
12,558.0	90.60	357.30	9,898.4	2,889.3	-167.3	2,891.2	0.67	0.42	-0.52	
12,653.0	88.30	358.00	9,899.3	2,984.2	-171.2	2,986.1	2.53	-2.42	0.74	
12,749.0	88.70	357.50	9,901.8	3,080.1	-175.0	3,082.0	0.67	0.42	-0.52	
12,845.0	90.00	356.50	9,902.9	3,176.0	-180.0	3,178.0	1.71	1.35	-1.04	
12,941.0	90.70	355.80	9,902.3	3,271.8	-186.5	3,273.8	1.03	0.73	-0.73	
13,036.0	89.90	356.70	9,901.8	3,366.6	-192.7	3,368.7	1.27	-0.84	0.95	
13,131.0	91.40	356.20	9,900.7	3,461.4	-198.6	3,463.5	1.66	1.58	-0.53	
13,226.0	90.20	355.60	9,899.4	3,556.1	-205.4	3,558.4	1.41	-1.26	-0.63	
13,322.0	88.70	355.80	9,900.3	3,651.8	-212.6	3,654.2	1.58	-1.56	0.21	
13,417.0	90.80	356.80	9,900.7	3,746.6	-218.7	3,749.0	2.45	2.21	1.05	
13,512.0	89.40	357.40	9,900.6	3,841.5	-223.5	3,844.0	1.60	-1.47	0.63	
13,606.0	89.30	356.70	9,901.6	3,935.4	-228.3	3,937.9	0.75	-0.11	-0.74	
13,702.0	90.10	356.20	9,902.1	4,031.2	-234.3	4,033.8	0.98	0.83	-0.52	
13,797.0	90.10	355.50	9,902.0	4,126.0	-241.1	4,128.6	0.74	0.00	-0.74	
13,892.0	90.00	354.80	9,901.9	4,220.6	-249.2	4,223.3	0.74	-0.11	-0.74	
13,988.0	90.10	355.00	9,901.8	4,316.2	-257.7	4,319.1	0.23	0.10	0.21	
14,083.0	90.00	353.70	9,901.7	4,410.8	-267.1	4,413.7	1.37	-0.11	-1.37	
14,185.0	91.50	352.60	9,900.4	4,512.0	-279.2	4,515.1	1.82	1.47	-1.08	
14,225.0	91.50	352.60	9,899.3	4,551.7	-284.4	4,554.8	0.00	0.00	0.00	

BHL 14225.0 MD 9899.3 TVD 91.50° INC 352.60° AZI 4551.7° N 284.4° E 4554.8° VS

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #2H
Project:	Eddy County, NM	TVD/Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18 KB)
Site:	Silverstreak 13 Federal Com	MD/Reference:	WELL @ 3474.0usft (Silver Oak #12 - 18 KB)
Well:	#2H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Houston R5000 Database

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		N/S (usft)	E/W (usft)	
3,266.8	3,266.2	7.1	0.2	Cross into 330' Lease - 3266.8' MD, 3266.2' TVD, 1.61° INC, -5.5' VS
9,300.0	9,298.4	-13.2	-22.8	Tie into Pilot - KOP @ 9300' MD
10,248.0	9,890.1	582.9	-87.7	EOC - 10248.0' MD, 9890.1' TVD, 89.85° INC, 583.9' VS
14,225.0	9,899.3	4,551.7	-284.4	BHL - 14225.0' MD, 9899.3' TVD, 91.50° INC, 352.60° AZI, 4551.7' N, -284.4' E

Checked By: _____	Approved By: _____	Date: _____
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COG Operating LLC
Project: Eddy County, NM
Site: Silverstreak 13 Federal Com
Well: #2H
Wellbore: OH
Plan: Plan #2 (#2H/OH)

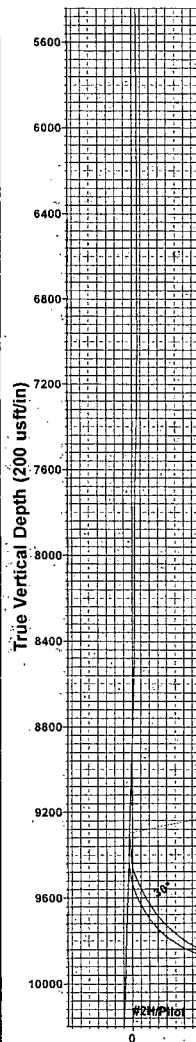
WELL DETAILS: #2H

Ground Elevation: 3456.0
RKB Elevation: WELL @ 3474.0usft (Silver Oak #12 - 18' KB)
Rig Name: Silver Oak #12 - 18' KB

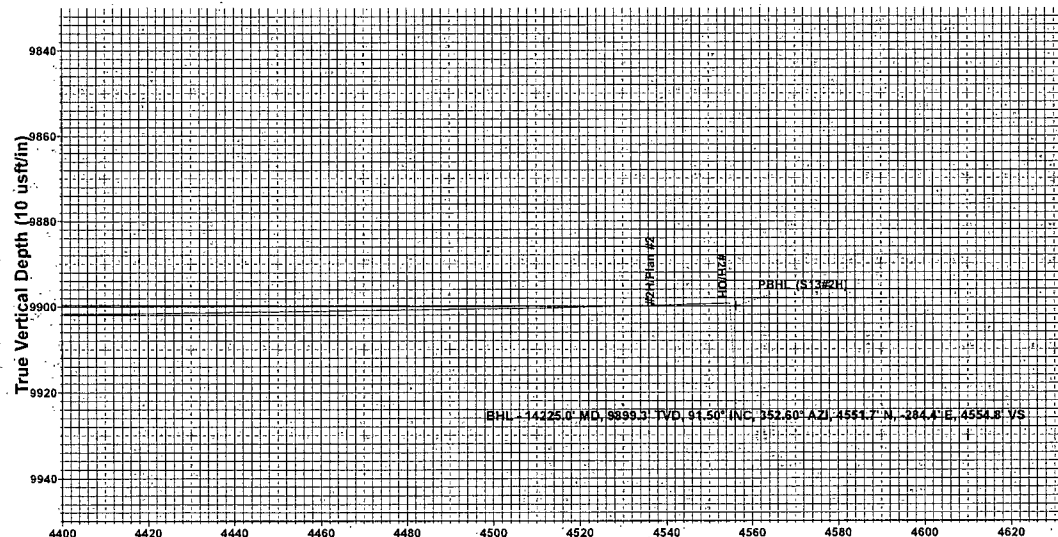
Surface Hole Location
Easting: 652802.30 Latitude: 32° 12' 41.794 N Longitude: 103° 50' 21.404 W
Northing: 441054.10



Azimuths to Grid North:
True North: -0.26°
Magnetic North: 7.27°
Magnetic Field
Strength: 48439.2snT
Dip Angle: 60.09°
Date: 11/8/2012
Model: IGRF2010



Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	9402.6	1.67	209.69	9400.9	-15.9	-24.3	0.00	0.00	-15.6	
2	10163.0	89.86	358.00	9890.0	459.5	-48.3	12.00	148.30	460.1	
3	10259.0	89.86	359.92	9890.2	555.5	-50.1	2.00	90.00	556.0	
4	14259.4	89.86	359.92	9900.0	4555.9	-55.7	0.00	0.00	4556.2	PBHL (S13#2H)



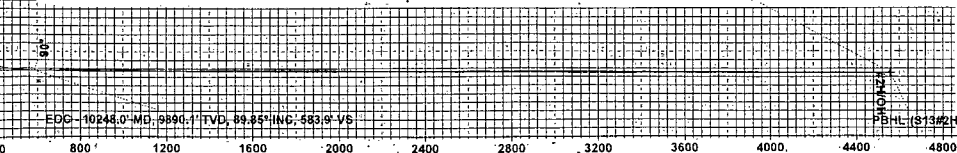
Vertical Section at 359.30° (10 usft/in)

DESIGN TARGET DETAILS

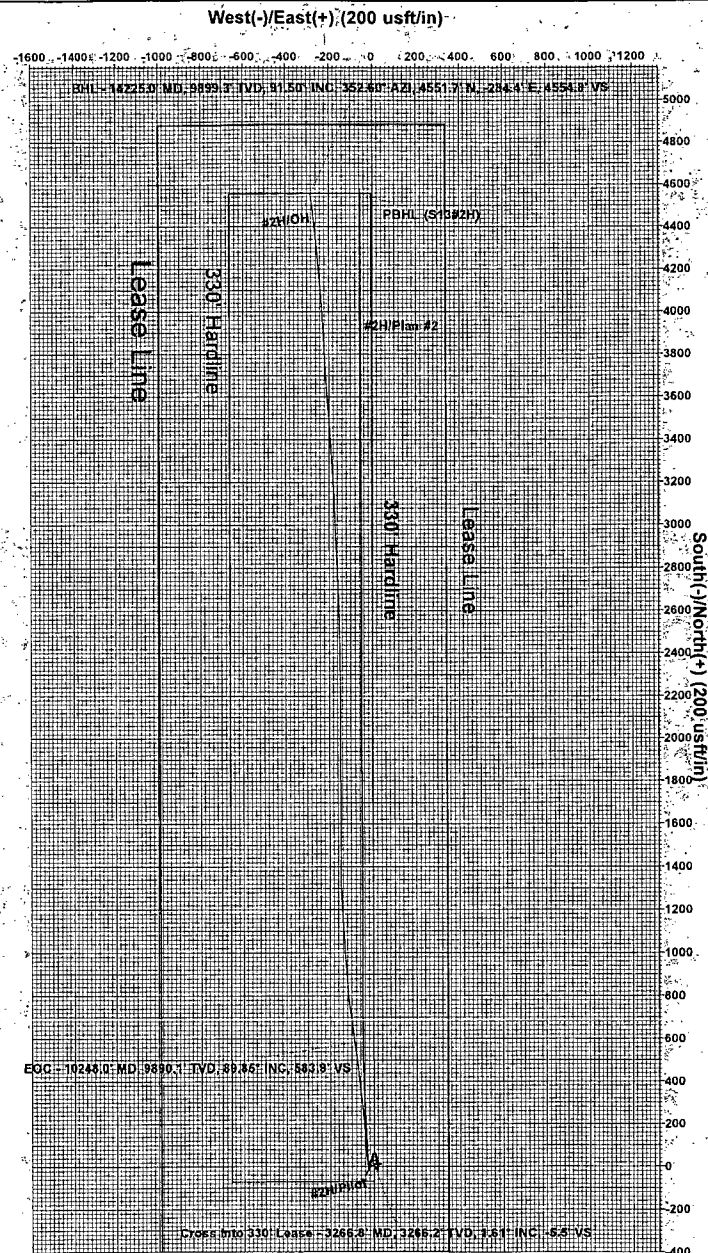
Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (S13#2H)	9900.0	4555.9	-55.7	445609.98	652746.62

BHL - 14225.0' MD, 9899.3' TVD, 91.50° INC, 352.60° AZI, 4551.7' N, -284.4' E, 4554.8' VS

Tie Into Pilot - KOP @ 9300' MD



Vertical Section at 359.30° (200 usft/in)



PROJECT DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke, 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid



Crescent Directional Drilling
7715 West Industrial Ave. Midland, Tx 79706
Phone: 432-618-1135

Plan: Plan #2 (#2H/OH)
Created By: Matt Higgins Date: 14:37, December 10 2012