

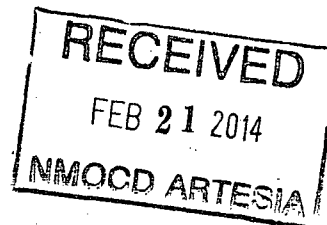


A GYRO TECHNOLOGIES INC. COMPANY

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

30-015-40503

November 1, 2013



Devon Energy Production Co., L. P.
333 West Sheridan Ave
Oklahoma City, Oklahoma 73102-5010

Attn: Patti Riechers

Re: **Burton Flat Deep Unit No. 054H**

Please find enclosed a copy of the survey from 0.00' to 2800.00' 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

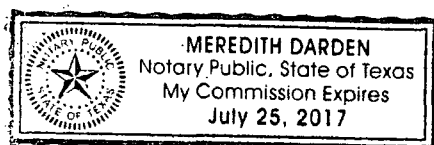
STATE OF TEXAS §

§

COUNTY OF NUECES §

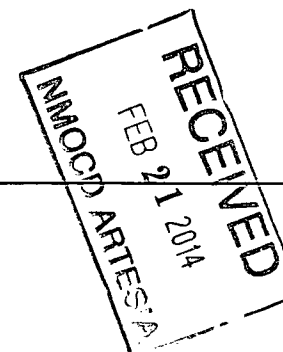
This instrument was acknowledged before me on the 1 day of November
A.D., 2013, by Keith Havelka.

Meredith Darden
Notary Public, State of Texas





Company: DEVON ENERGY
Lease/Well: BURTON FLAT DEEP UNIT/No. 054H
Location: SEC2, TS21S, R27E, N.M.P.M.
Rig Name: CACTUS 126
State/County: NEW MEXICO/EDDY
Latitude: 32.51, Longitude: -104.19
GRID North is 0.08 Degrees East of True North
VS-Azi: 0.00 Degrees



DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: BURTONFLATDEEPUNIT54H.ut

Minimum Curvature Method

Report Date/Time: 11/1/2013 / 13:42

VAUGHN ENERGY SERVICES

CORPUS CHRISTI, TX

1-(800)606-4976

SURVEYOR: Jeremy Rounsavall

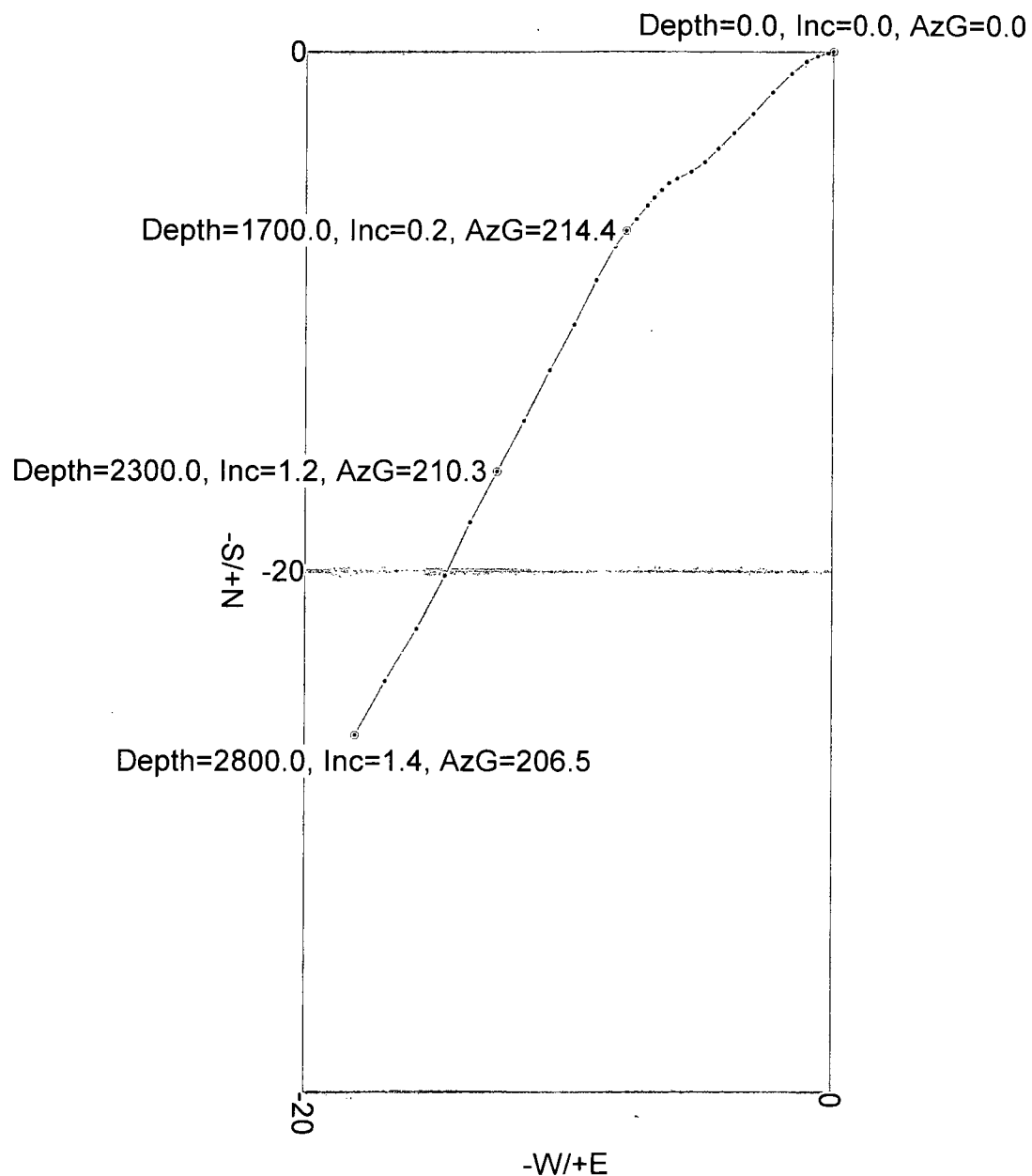
Burton Flat Deep Unit No. 054H / API 30-015-40503

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	255.35	100.00	-0.05	-0.21	-0.05	0.21	255.35	0.24
200.00	0.25	250.26	200.00	-0.18	-0.61	-0.18	0.64	253.64	0.02
300.00	0.28	239.80	300.00	-0.38	-1.03	-0.38	1.09	249.90	0.06
400.00	0.57	226.61	399.99	-0.84	-1.60	-0.84	1.81	242.25	0.31
500.00	0.59	222.42	499.99	-1.56	-2.31	-1.56	2.79	235.90	0.04
600.00	0.69	221.66	599.98	-2.39	-3.06	-2.39	3.88	231.95	0.10
700.00	0.50	227.69	699.98	-3.14	-3.78	-3.14	4.91	230.32	0.20
800.00	0.48	222.42	799.97	-3.74	-4.39	-3.74	5.77	229.54	0.05
900.00	0.35	228.15	899.97	-4.25	-4.90	-4.25	6.49	229.02	0.14
1000.00	0.39	239.69	999.97	-4.63	-5.42	-4.63	7.12	229.49	0.09
1100.00	0.29	249.20	1099.97	-4.89	-5.95	-4.89	7.70	230.58	0.11
1200.00	0.12	219.56	1199.97	-5.06	-6.26	-5.06	8.05	231.03	0.20
1300.00	0.31	226.76	1299.97	-5.33	-6.52	-5.33	8.42	230.75	0.19
1400.00	0.15	222.57	1399.97	-5.61	-6.81	-5.61	8.82	230.51	0.16
1500.00	0.31	214.98	1499.96	-5.93	-7.05	-5.93	9.22	229.94	0.16
1600.00	0.45	221.23	1599.96	-6.45	-7.47	-6.45	9.87	229.19	0.15
1700.00	0.21	214.41	1699.96	-6.90	-7.84	-6.90	10.44	228.63	0.24
1800.00	0.64	215.35	1799.96	-7.51	-8.26	-7.51	11.16	227.74	0.43
1900.00	1.07	204.72	1899.95	-8.81	-8.97	-8.81	12.57	225.53	0.46

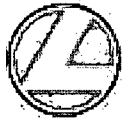
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
2000.00	1.10	207.78	1999.93	-10.50	-9.81	-10.50	14.37	223.05	0.06
2100.00	1.18	207.96	2099.91	-12.26	-10.74	-12.26	16.30	221.22	0.08
2200.00	1.33	204.92	2199.88	-14.22	-11.71	-14.22	18.42	219.47	0.17
2300.00	1.18	210.27	2299.86	-16.16	-12.72	-16.16	20.57	218.20	0.20
2400.00	1.33	205.04	2399.84	-18.10	-13.73	-18.10	22.72	217.17	0.20
2500.00	1.27	204.54	2499.81	-20.17	-14.68	-20.17	24.94	216.06	0.07
2600.00	1.39	211.06	2599.78	-22.21	-15.77	-22.21	27.24	215.37	0.20
2700.00	1.29	211.13	2699.76	-24.21	-16.97	-24.21	29.57	215.03	0.11
2800.00	1.42	206.54	2799.73	-26.28	-18.11	-26.28	31.92	214.57	0.17



VAUGHN ENERGY SERVICES
CORPUS CHRISTI, TX
1-(800)606-4976
SURVEYOR: Jeremy Rounsavall
Burton Flat Deep Unit No. 054H / API 30-015-40503



VES Survey Date: 10/22/2013



LEAM
Drilling Systems LLC

Job Number: MD-131247

Company: DEVON ENERGY

Lease/Well: BURTON FLAT DEEP UNIT #54H

Location: CARLSBAD

Rig Name: CACTUS 126

RKB:

G.L. or M.S.L.:

State/Country: NEW MEXICO

Declination: 7.63

Grid: NORTH

File name: C:\WINSERVE\131247.SVY

Date/Time: 01-Nov-13 / 07:40

Curve Name: AS DRILLED

LEAM Drilling Systems

WINSERVE SURVEY CALCULATIONS

Minimum Curvature Method

Vertical Section Plane 89.35

Vertical Section Referenced to Wellhead

Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
VES GYRO SURVEY									
2800.00	1.42	206.54	2799.73	-26.28	-18.10	-18.40	31.91	214.56	.00
2922.00	1.58	213.12	2921.69	-29.04	-19.69	-20.02	35.09	214.14	.19
3111.00	1.58	209.25	3110.62	-33.50	-22.39	-22.77	40.29	213.76	.06
3206.00	1.67	216.63	3205.58	-35.75	-23.86	-24.26	42.98	213.72	.24
3301.00	.70	33.29	3300.57	-36.38	-24.36	-24.78	43.78	213.81	2.49
3396.00	1.14	15.19	3395.56	-34.98	-23.80	-24.19	42.31	214.23	.55
3491.00	1.32	6.40	3490.53	-32.98	-23.43	-23.80	40.45	215.39	.27
3680.00	1.23	15.89	3679.49	-28.87	-22.63	-22.96	36.68	218.10	.12
3868.00	1.49	18.53	3867.43	-24.61	-21.30	-21.58	32.55	220.88	.14
4058.00	1.58	7.81	4057.37	-19.67	-20.16	-20.38	28.17	225.71	.16
4247.00	1.76	9.56	4246.29	-14.23	-19.32	-19.48	24.00	233.64	.10
4436.00	.88	150.36	4435.26	-12.63	-18.12	-18.27	22.09	235.14	1.33
4627.00	.40	195.90	4626.25	-14.54	-17.58	-17.75	22.82	230.41	.35
4816.00	.79	207.84	4815.24	-16.33	-18.37	-18.56	24.58	228.37	.22
5005.00	.62	229.29	5004.22	-18.15	-19.75	-19.96	26.82	227.43	.16
5194.00	.97	233.86	5193.21	-19.76	-21.82	-22.04	29.44	227.84	.19
5384.00	1.67	249.51	5383.16	-21.68	-25.71	-25.96	33.63	229.87	.41
5574.00	1.06	166.36	5573.12	-24.35	-27.89	-28.17	37.03	228.88	.98
5763.00	.97	180.07	5762.09	-27.65	-27.48	-27.79	38.99	224.83	.14
5952.00	.79	263.04	5951.07	-29.41	-28.78	-29.11	41.15	224.38	.62
6140.00	1.49	307.86	6139.03	-28.07	-31.99	-32.31	42.56	228.74	.58
6328.00	1.85	62.30	6326.99	-25.15	-31.24	-31.52	40.11	231.16	1.50
6518.00	1.49	67.92	6516.91	-22.80	-26.23	-26.49	34.76	229.00	.21
6707.00	1.41	60.01	6705.85	-20.71	-21.94	-22.18	30.17	226.65	.11
6778.00	1.58	42.26	6776.83	-19.55	-20.53	-20.75	28.35	226.39	.69

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
6878.00	5.63	135.42	6876.66	-22.03	-16.15	-16.40	27.32	216.25	5.93
6925.00	12.84	141.22	6923.02	-27.75	-11.26	-11.57	29.95	202.08	15.45
6973.00	19.52	142.28	6969.09	-38.26	-3.00	-3.43	38.38	184.48	13.93
7019.00	25.59	148.43	7011.56	-52.82	6.91	6.31	53.27	172.54	14.14
7068.00	29.81	155.46	7054.94	-72.93	17.52	16.69	75.01	166.49	10.88
7099.00	33.41	160.03	7081.34	-87.97	23.64	22.64	91.09	164.96	13.94
7131.00	36.76	161.97	7107.53	-105.36	29.61	28.41	109.44	164.30	11.03
7163.00	40.45	163.20	7132.53	-124.41	35.58	34.16	129.40	164.04	11.78
7194.00	42.74	164.60	7155.71	-144.18	41.28	39.64	149.97	164.02	7.97
7226.00	43.26	165.13	7179.12	-165.25	46.98	45.10	171.80	164.13	1.98
7258.00	45.46	165.66	7201.99	-186.90	52.62	50.49	194.16	164.28	6.97
7289.00	46.96	165.48	7223.44	-208.57	58.19	55.82	216.54	164.41	4.86
7320.00	49.59	163.37	7244.08	-230.85	64.41	61.79	239.67	164.41	9.89
7352.00	50.91	161.79	7264.54	-254.32	71.78	68.89	264.26	164.24	5.61
7384.00	53.82	159.51	7284.08	-278.22	80.18	77.02	289.55	163.92	10.70
7415.00	57.24	158.10	7301.62	-302.04	89.43	86.00	315.01	163.51	11.65
7447.00	60.67	156.34	7318.12	-327.31	100.05	96.33	342.26	163.00	11.71
7478.00	64.46	153.88	7332.40	-352.26	111.63	107.63	369.53	162.42	14.11
7510.00	66.39	153.35	7345.71	-378.33	124.57	120.27	398.31	161.78	6.22
7541.00	68.59	152.30	7357.58	-403.80	137.65	133.06	426.62	161.18	7.76
7572.00	72.63	150.72	7367.87	-429.49	151.60	146.71	455.46	160.56	13.89
7604.00	76.50	148.78	7376.39	-456.13	167.14	161.95	485.79	159.88	13.43
7636.00	80.55	147.90	7382.75	-482.82	183.59	178.10	516.55	159.18	12.94
7667.00	85.30	146.50	7386.57	-508.67	200.26	194.47	546.67	158.51	15.96
7699.00	88.64	143.86	7388.26	-534.89	218.50	212.42	577.80	157.78	13.30
7731.00	90.13	140.34	7388.60	-560.14	238.15	231.78	608.66	156.97	11.94
EOC- 7790									
7750.00	91.28	138.06	7388.37	-574.52	250.56	244.03	626.78	156.44	13.44
7845.00	91.54	131.91	7386.03	-641.63	317.70	310.40	715.97	153.66	6.48
7939.00	90.48	128.39	7384.37	-702.22	389.53	381.54	803.02	150.98	3.91
8034.00	90.92	125.58	7383.21	-759.36	465.40	456.76	890.63	148.50	2.99
8129.00	89.16	120.83	7383.15	-811.37	544.86	535.63	977.34	146.12	5.33
8319.00	83.89	107.65	7394.71	-889.08	717.32	707.19	1142.38	141.10	7.46
8414.00	85.74	105.36	7403.29	-915.96	808.03	797.59	1221.43	138.58	3.09
8508.00	87.76	100.97	7408.63	-937.32	899.38	888.69	1299.03	136.18	5.13
8603.00	89.34	93.94	7411.03	-949.63	993.49	982.65	1374.35	133.71	7.58
8698.00	90.57	89.37	7411.11	-952.38	1088.42	1077.55	1446.27	131.19	4.98
8793.00	90.66	87.43	7410.09	-949.73	1183.38	1172.53	1517.35	128.75	2.04
8887.00	91.45	87.61	7408.36	-945.66	1277.27	1266.46	1589.24	126.52	.86
8982.00	88.99	86.73	7407.99	-940.97	1372.15	1361.38	1663.79	124.44	2.75
9077.00	89.25	87.08	7409.45	-935.84	1467.00	1456.29	1740.08	122.54	.46
9172.00	87.05	86.56	7412.52	-930.57	1561.79	1551.14	1818.01	120.79	2.38
9266.00	87.58	86.73	7416.92	-925.08	1655.53	1644.93	1896.46	119.20	.59
9361.00	87.85	87.61	7420.71	-920.39	1750.34	1739.78	1977.57	117.74	.97
9455.00	87.76	85.85	7424.31	-915.03	1844.11	1833.61	2058.65	116.39	1.87
9550.00	88.64	86.38	7427.29	-908.60	1938.85	1928.41	2141.19	115.11	1.08

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
9645.00	88.99	86.73	7429.26	-902.89	2033.65	2023.28	2225.08	113.94	.52
9740.00	89.25	86.20	7430.72	-897.04	2128.46	2118.15	2309.77	112.85	.62
9834.00	89.87	87.08	7431.44	-891.53	2222.30	2212.04	2394.46	111.86	1.15
9929.00	87.41	86.56	7433.69	-886.26	2317.11	2306.91	2480.82	110.93	2.65
10023.00	88.11	86.56	7437.37	-880.62	2410.87	2400.73	2566.67	110.07	.74
10118.00	86.61	88.14	7441.74	-876.24	2505.66	2495.56	2654.46	109.27	2.29
10213.00	87.49	88.84	7446.63	-873.74	2600.50	2590.43	2743.36	108.57	1.18
10307.00	88.99	88.84	7449.52	-871.83	2694.44	2684.37	2831.98	107.93	1.60
10402.00	89.60	89.02	7450.69	-870.06	2789.41	2779.36	2921.96	107.32	.67
10497.00	89.96	89.54	7451.05	-868.87	2884.41	2874.36	3012.43	106.76	.67
10591.00	90.40	90.25	7450.76	-868.69	2978.40	2968.36	3102.50	106.26	.89
10686.00	90.84	90.07	7449.73	-868.96	3073.40	3063.34	3193.88	105.79	.50
10780.00	91.28	90.42	7447.99	-869.36	3167.38	3157.31	3284.52	105.35	.60
10874.00	89.08	89.54	7447.70	-869.33	3261.37	3251.30	3375.25	104.93	2.52
10969.00	88.55	89.02	7449.66	-868.14	3356.34	3346.28	3466.80	104.50	.78
11064.00	88.64	90.25	7451.99	-867.53	3451.31	3441.25	3558.67	104.11	1.30
11159.00	88.90	92.00	7454.03	-869.39	3546.27	3536.18	3651.28	103.77	1.86
11253.00	89.43	92.00	7455.40	-872.67	3640.20	3630.07	3743.34	103.48	.56
11347.00	91.10	91.48	7454.96	-875.53	3734.15	3723.98	3835.42	103.20	1.86
11442.00	89.52	90.95	7454.45	-877.54	3829.13	3818.92	3928.40	102.91	1.75
11537.00	88.46	90.60	7456.13	-878.83	3924.10	3913.88	4021.31	102.62	1.18
11631.00	87.32	90.95	7459.59	-880.10	4018.03	4007.78	4113.29	102.35	1.27
11725.00	86.88	91.30	7464.34	-881.94	4111.89	4101.62	4205.41	102.11	.60
11820.00	87.05	91.65	7469.37	-884.38	4206.72	4196.42	4298.68	101.87	.41
11914.00	88.02	91.65	7473.41	-887.09	4300.60	4290.26	4391.13	101.65	1.03
12010.00	89.43	91.65	7475.55	-889.85	4396.53	4386.15	4485.68	101.44	1.47
12105.00	88.64	92.18	7477.15	-893.03	4491.46	4481.04	4579.38	101.25	1.00
12200.00	88.37	91.13	7479.63	-895.77	4586.39	4575.93	4673.05	101.05	1.14
12295.00	87.32	90.25	7483.20	-896.91	4681.31	4670.84	4766.46	100.85	1.44
12391.00	86.44	91.30	7488.43	-898.21	4777.16	4766.66	4860.87	100.65	1.43
12475.00	85.38	91.65	7494.42	-900.36	4860.92	4850.39	4943.60	100.49	1.33
Straight Line Projection to Bit									
12540.00	85.38	91.65	7499.65	-902.23	4925.68	4915.13	5007.63	100.38	.00