VAUGHN ENERGY SERVICES
A GYRO TECHNOLOGIES INC. COMPANY

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

May 9, 2013

30015 40681

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

Attn: Patti Riechers

Re: **Burton Flat Deep Unit 51H**

Please find enclosed a copy of the survey from 0.00' to 6043.00' 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

Provide tie-in survey to TD 11,186

STATE OF TEXAS §
§
COUNTY OF NUECES §

This instrument was acknowledged before me on the 9th day of May, A.D., 2013, by Keith Havelka.

Laura Ballew
Notary Public, State of Texas

LAURA BALLEW
Notary Public, State of Texas
My Commission Expires
January 28, 2014

Company: Devon Energy Production Company
Lease/Well: Burton Flat Deep Unit / 51H

Rig Name: Cactus #126
State/County: New Mexico/Eddy
Latitude: 32.51, Longitude: -104.17
GRID North is 0.09 Degrees East of True North
VS-Azi: 0.00 Degrees

Depth Reference : RKB = 25'

DRILLOG MS GYRO SURVEY CALCULATIONS
Filename: ...deep unit #51h gyro survey.ut
Minimum Curvature Method
Report Date/Time: 5/9/2013 / 13:39

Vaughn Energy Services
Midland, Texas
432-563-5444
Survey Engineer: Logan Henry
Burton Flat Deep Unit 51H / API 30-015-40681

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	****
66.82	0.24	23.04	66.82	0.13	0.05	0.13	0.14	23.04	0.35
161.68	0.33	21.27	161.68	0.56	0.23	0.56	0.61	22.25	0.10
256.54	0.54	22.53	256.54	1.22	0.50	1.22	1.32	22.14	0.22
351.40	0.51	23.09	351.39	2.02	0.83	2.02	2.19	22.40	0.03
446.26	0.58	0.10	446.25	2.90	1.00	2.90	3.06	19.06	0.24
541.12	0.71	35.05	541.10	3.86	1.34	3.86	4.09	19.12	0.43
635.98	0.74	69.20	635.95	4.56	2.25	4.56	5.08	26.23	0.45
730.84	0.75	39.32	730.81	5.25	3.21	5.25	6.15	31.40	0.40
825.70	0.81	72.67	825.66	5.93	4.24	5.93	7.29	35.55	0.48
920.56	0.57	64.42	920.51	6.33	5.30	6.33	8.26	39.94	0.27
1015.42	0.54	140.31	1015.37	6.20	6.01	6.20	8.63	44.13	0.72
1110.28	0.84	137.36	1110.22	5.34	6.77	5.34	8.62	51.70	0.32
1205.14	1.29	160.04	1205.07	3.83	7.60	3.83	8.51	63.26	0.64
1300.00	1.39	148.86	1299.90	1.84	8.56	1.84	8.76	77.86	0.30
1394.86	1.18	135.46	1394.74	0.16	9.84	0.16	9.84	89.08	0.38
1489.72	1.10	112.42	1489.58	-0.89	11.37	-0.89	11.40	94.45	0.49
1584.58	2.26	226.67	1584.41	-2.51	10.85	-2.51	11.14	103.05	3.04
1679.44	1.09	205.38	1679.23	-4.61	9.11	-4.61	10.21	116.85	1.37

VES Survey Date: 05/03/2013

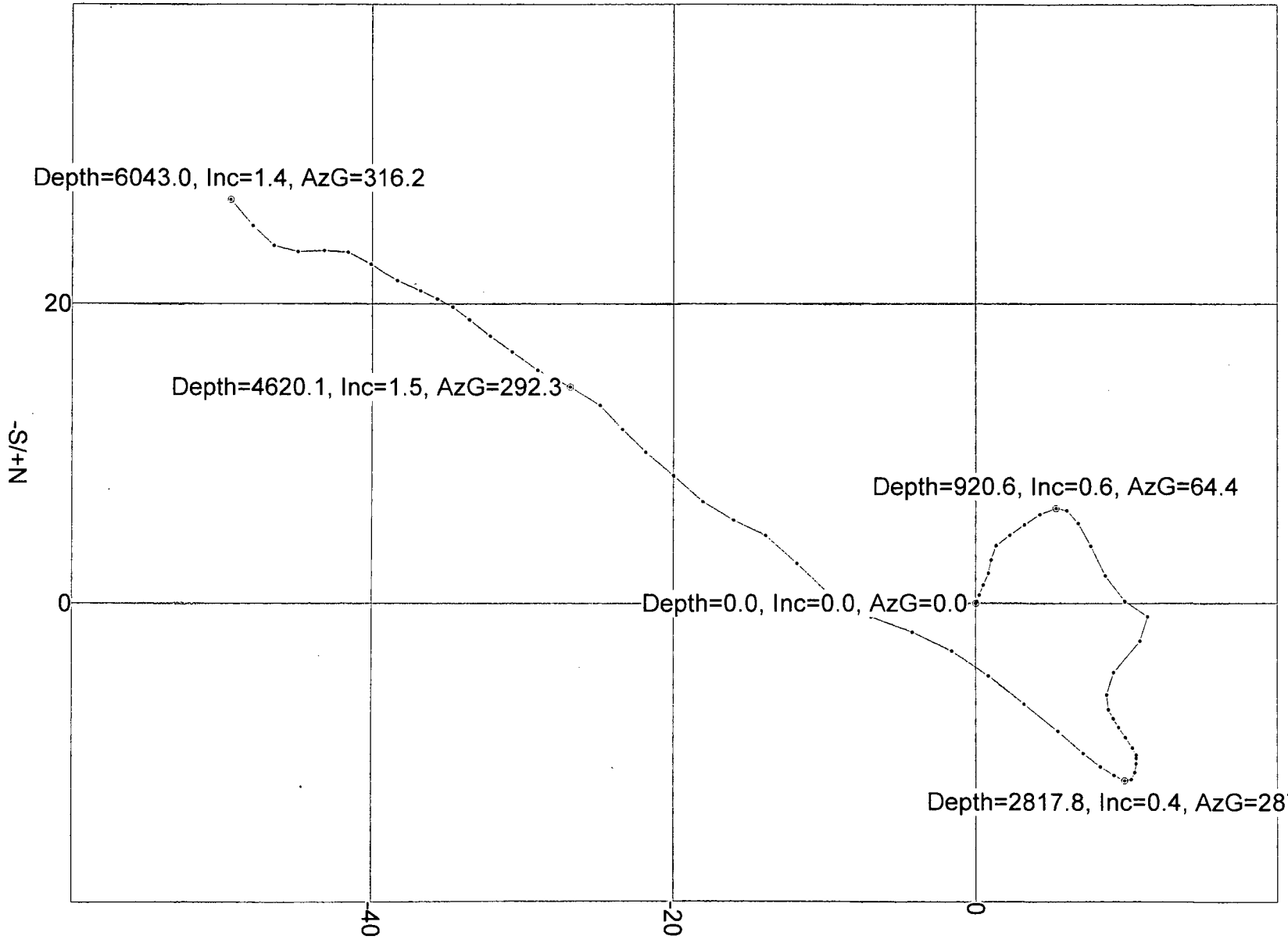
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1774.30	0.84	185.83	1774.08	-6.11	8.65	-6.11	10.59	125.25	0.43
1869.16	0.44	149.97	1868.93	-7.12	8.76	-7.12	11.29	129.09	0.58
1964.02	0.38	152.14	1963.79	-7.71	9.09	-7.71	11.92	130.30	0.07
2058.88	0.45	147.64	2058.65	-8.30	9.43	-8.30	12.56	131.33	0.08
2153.74	0.53	144.77	2153.50	-8.97	9.89	-8.97	13.35	132.22	0.08
2248.60	0.48	146.32	2248.36	-9.65	10.36	-9.65	14.16	132.99	0.05
2343.46	0.18	166.11	2343.22	-10.13	10.61	-10.13	14.67	133.66	0.33
2438.32	0.12	201.69	2438.08	-10.37	10.61	-10.37	14.83	134.34	0.11
2533.18	0.32	176.08	2532.94	-10.73	10.59	-10.73	15.08	135.37	0.23
2628.04	0.40	197.58	2627.80	-11.31	10.51	-11.31	15.44	137.10	0.16
2722.90	0.26	218.02	2722.65	-11.79	10.28	-11.79	15.64	138.93	0.19
2817.76	0.39	287.71	2817.51	-11.86	9.84	-11.86	15.41	140.33	0.41
2912.62	0.56	303.98	2912.37	-11.50	9.14	-11.50	14.69	141.53	0.23
3007.48	0.74	302.02	3007.22	-10.92	8.23	-10.92	13.67	142.98	0.19
3102.34	1.01	312.15	3102.07	-10.03	7.09	-10.03	12.28	144.75	0.32
3197.20	1.67	310.98	3196.91	-8.56	5.42	-8.56	10.13	147.64	0.69
3292.06	1.82	307.41	3291.72	-6.74	3.18	-6.74	7.45	154.71	0.20
3386.92	1.82	309.59	3386.53	-4.86	0.83	-4.86	4.93	170.35	0.07
3481.78	1.73	299.14	3481.35	-3.21	-1.58	-3.21	3.58	206.20	0.35
3576.64	1.79	292.80	3576.16	-1.94	-4.19	-1.94	4.62	245.18	0.22
3671.50	1.74	288.61	3670.98	-0.91	-6.92	-0.91	6.98	262.54	0.15
3766.36	1.91	306.20	3765.79	0.49	-9.56	0.49	9.58	272.91	0.62
3861.22	1.94	321.29	3860.60	2.68	-11.85	2.68	12.15	282.73	0.53
3956.08	1.46	300.37	3955.42	4.55	-13.90	4.55	14.62	288.11	0.82
4050.94	1.36	290.41	4050.25	5.55	-16.00	5.55	16.93	289.13	0.28
4145.80	1.57	310.63	4145.08	6.79	-18.04	6.79	19.28	290.63	0.59
4240.66	1.59	313.23	4239.90	8.54	-19.99	8.54	21.73	293.13	0.08
4335.52	1.34	307.33	4334.73	10.11	-21.82	10.11	24.05	294.85	0.31
4430.38	1.31	322.20	4429.57	11.63	-23.37	11.63	26.10	296.47	0.36
4525.24	1.35	311.69	4524.40	13.23	-24.86	13.23	28.17	298.02	0.26
4620.10	1.52	292.26	4619.23	14.45	-26.86	14.45	30.50	298.28	0.54
4714.96	1.43	303.15	4714.06	15.57	-29.02	15.57	32.93	298.23	0.31
4809.82	1.11	308.67	4808.90	16.79	-30.72	16.79	35.01	298.66	0.36
4904.68	1.07	302.64	4903.74	17.84	-32.18	17.84	36.80	299.01	0.13
4999.54	1.06	314.39	4998.58	18.94	-33.56	18.94	38.53	299.44	0.23
5094.40	0.65	296.92	5093.43	19.79	-34.66	19.79	39.92	299.73	0.51
5189.26	0.76	299.53	5188.29	20.35	-35.69	20.35	41.08	299.69	0.12
5284.12	0.71	292.50	5283.14	20.88	-36.78	20.88	42.30	299.59	0.11
5378.98	1.31	294.94	5377.98	21.57	-38.31	21.57	43.96	299.38	0.63

VES Survey Date: 05/03/2013

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
5473.84	1.23	308.18	5472.82	22.65	-40.09	22.65	46.05	299.47	0.32
5568.70	0.90	283.21	5567.66	23.46	-41.62	23.46	47.78	299.40	0.59
5663.56	1.11	265.82	5662.51	23.56	-43.27	23.56	49.27	298.57	0.38
5758.42	1.02	269.54	5757.35	23.49	-45.03	23.49	50.79	297.55	0.12
5853.28	1.03	298.96	5852.20	23.89	-46.62	23.89	52.39	297.14	0.55
5948.14	1.36	323.12	5947.04	25.21	-48.05	25.21	54.26	297.69	0.63
6043.00	1.39	316.15	6041.87	26.94	-49.52	26.94	56.38	298.55	0.18

VES Survey Date: 05/03/2013

Vaughn Energy Services
Midland, Texas
432-563-5444
Survey Engineer: Logan Henry
Burton Flat Deep Unit 51H / API 30-015-40681



VES Survey Date: 05/03/2013