



A GYRO TECHNOLOGIES INC. COMPANY

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

April 13, 2012

15-39790

Devon Energy Production Company
20 North Broadway
Oklahoma City, OK 73102

Attn: Mark Cooper

Re: Beryl 33 Federal No. 001H

Please find enclosed a copy of the survey from 0' to 8,121.06' 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,

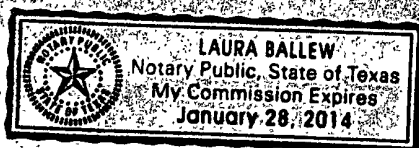
Keith Havelka
Operations

STATE OF TEXAS

COUNTY OF NUECES

§
§
§

This instrument was acknowledged before me on the 16th day of April,
A.D. 2012, by Keith Havelka.



Laura Ballew
Laura Ballew
Notary Public, State of Texas



Company: Devon Energy Production Company
Lease/Well: Beryl 33 Federal/No. 001H
Location: S33 T19S R29E
Rig Name: Cactus 126
State/County: New Mexico/Eddy
Latitude: 32.61
GRID North is 0.13 Degrees East of True North
VS-Azi: 0.00 Degrees



RKB : 25.6 feet

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: beryl33fed1h-01_ed.ut

Minimum Curvature Method

Report Date/Time: 4/13/2012 / 15:11

Vaughn Energy Services

Gardendale, Texas

432-563-5444

Surveyor: Ray Seago

Beryl 33 Federal No. 001H / API 30-015-39790

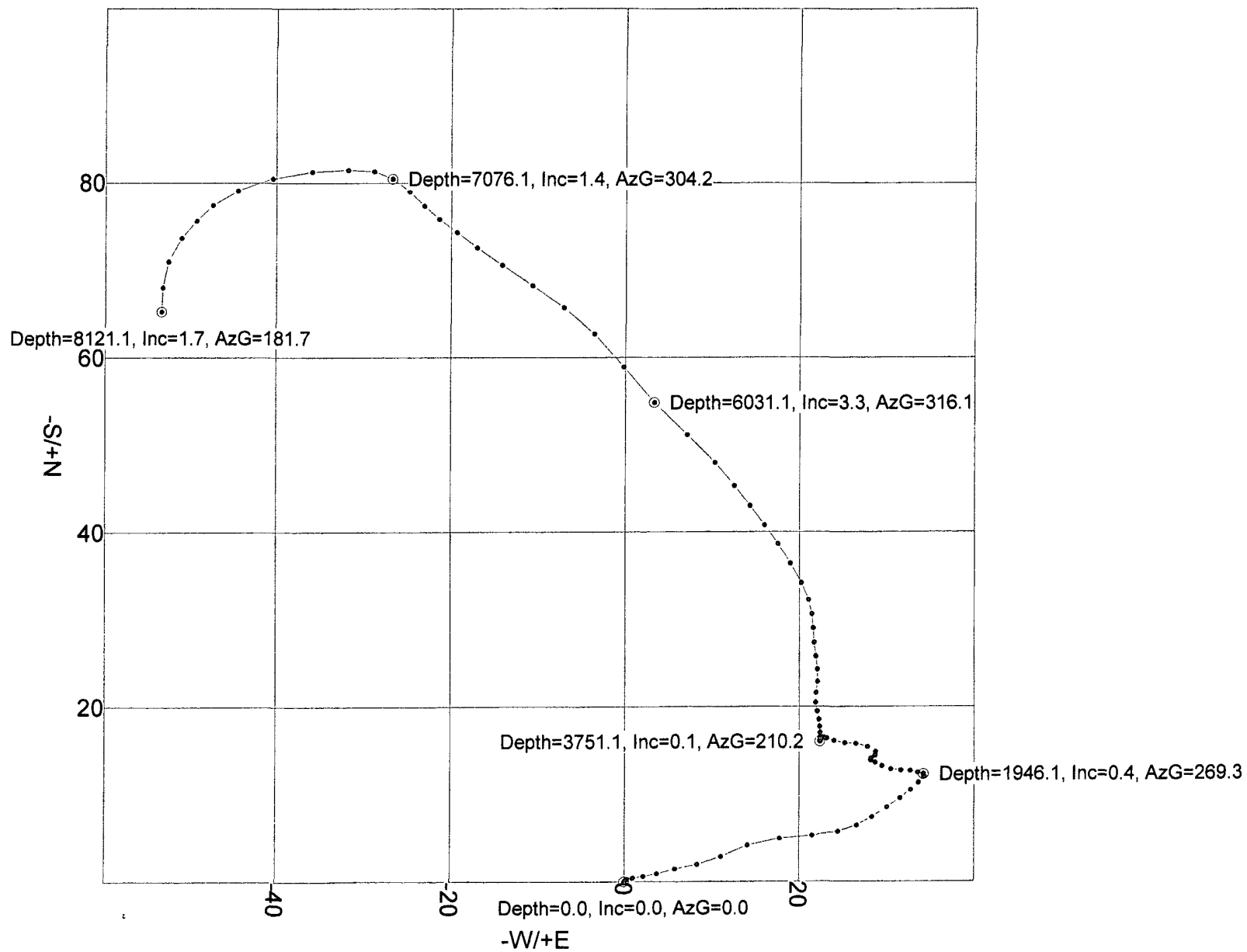
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
141.06	0.15	38.49	141.06	0.14	0.11	0.14	0.18	38.49	0.11
236.06	0.13	85.26	236.06	0.25	0.30	0.25	0.39	50.12	0.12
331.06	0.66	75.42	331.06	0.40	0.94	0.40	1.02	67.05	0.56
426.06	0.77	83.99	426.05	0.60	2.11	0.60	2.19	74.04	0.16
521.06	1.12	74.45	521.04	0.92	3.64	0.92	3.76	75.83	0.40
616.06	1.51	76.81	616.01	1.46	5.76	1.46	5.94	75.82	0.41
711.06	1.57	80.70	710.98	1.95	8.27	1.95	8.49	76.72	0.13
806.06	1.91	64.53	805.93	2.84	10.98	2.84	11.35	75.49	0.62
901.06	2.13	69.44	900.87	4.14	14.06	4.14	14.66	73.58	0.29
996.06	2.49	85.95	995.80	4.91	17.78	4.91	18.44	74.56	0.80
1091.06	2.03	83.46	1090.72	5.25	21.51	5.25	22.14	76.29	0.50
1186.06	1.59	77.07	1185.68	5.73	24.46	5.73	25.13	76.81	0.51
1281.06	1.17	63.93	1280.65	6.45	26.62	6.45	27.39	76.37	0.55
1376.06	1.25	59.02	1375.63	7.42	28.39	7.42	29.34	75.36	0.14
1471.06	1.20	54.19	1470.61	8.53	30.08	8.53	31.27	74.16	0.12
1566.06	1.00	56.55	1565.59	9.57	31.58	9.57	33.00	73.14	0.22
1661.06	0.82	47.18	1660.58	10.49	32.77	10.49	34.41	72.25	0.24
1756.06	0.64	45.72	1755.57	11.33	33.66	11.33	35.51	71.40	0.19

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
1851.06	0.48	39.95	1850.56	12.00	34.29	12.00	36.33	70.71	0.18
1946.06	0.37	269.29	1945.56	12.30	34.24	12.30	36.39	70.24	0.81
2041.06	0.47	298.79	2040.56	12.49	33.60	12.49	35.84	69.61	0.25
2136.06	0.65	271.53	2135.56	12.69	32.72	12.69	35.10	68.81	0.33
2231.06	0.64	273.33	2230.55	12.73	31.66	12.73	34.13	68.09	0.02
2326.06	0.74	279.72	2325.54	12.87	30.53	12.87	33.13	67.15	0.14
2421.06	0.59	302.56	2420.54	13.23	29.51	13.23	32.34	65.85	0.32
2516.06	0.49	291.86	2515.53	13.64	28.73	13.64	31.80	64.59	0.15
2611.06	0.21	307.27	2610.53	13.90	28.21	13.90	31.45	63.77	0.30
2706.06	0.28	58.11	2705.53	14.13	28.27	14.13	31.60	63.44	0.43
2801.06	0.39	53.39	2800.53	14.45	28.73	14.45	32.16	63.30	0.12
2896.06	0.37	314.46	2895.53	14.86	28.77	14.86	32.38	62.69	0.61
2991.06	0.96	296.19	2990.52	15.42	27.84	15.42	31.83	61.02	0.65
3086.06	0.75	271.90	3085.51	15.79	26.51	15.79	30.86	59.21	0.43
3181.06	0.78	275.00	3180.50	15.87	25.24	15.87	29.81	57.84	0.05
3276.06	0.77	287.89	3275.49	16.12	23.99	16.12	28.90	56.10	0.18
3371.06	0.32	288.39	3370.49	16.40	23.13	16.40	28.36	54.66	0.47
3466.06	0.12	286.09	3465.49	16.51	22.79	16.51	28.14	54.08	0.21
3561.06	0.12	209.08	3560.49	16.45	22.65	16.45	27.99	54.00	0.15
3656.06	0.19	215.55	3655.49	16.24	22.51	16.24	27.75	54.19	0.08
3751.06	0.11	210.25	3750.49	16.03	22.37	16.03	27.52	54.37	0.09
3846.06	0.19	8.25	3845.49	16.11	22.35	16.11	27.55	54.21	0.31
3941.06	0.27	0.99	3940.49	16.50	22.37	16.50	27.80	53.60	0.08
4036.06	0.39	357.81	4035.48	17.04	22.37	17.04	28.12	52.70	0.13
4131.06	0.44	356.33	4130.48	17.72	22.33	17.72	28.51	51.56	0.05
4226.06	0.55	355.30	4225.48	18.54	22.27	18.54	28.98	50.23	0.12
4321.06	0.62	342.62	4320.47	19.48	22.08	19.48	29.45	48.57	0.16
4416.06	0.62	352.88	4415.47	20.49	21.86	20.49	29.96	46.86	0.12
4511.06	0.74	10.46	4510.46	21.60	21.91	21.60	30.76	45.41	0.25
4606.06	0.82	5.70	4605.45	22.87	22.09	22.87	31.79	44.00	0.11
4701.06	0.89	352.68	4700.44	24.27	22.06	24.27	32.80	42.27	0.22
4796.06	0.93	354.42	4795.43	25.77	21.89	25.77	33.81	40.35	0.05
4891.06	1.00	351.99	4890.42	27.35	21.70	27.35	34.91	38.43	0.09
4986.06	1.02	359.58	4985.40	29.02	21.58	29.02	36.16	36.64	0.14
5081.06	0.93	348.81	5080.39	30.62	21.42	30.62	37.37	34.98	0.22
5176.06	1.10	345.90	5175.37	32.25	21.05	32.25	38.52	33.13	0.19
5271.06	1.48	330.20	5270.35	34.19	20.22	34.19	39.73	30.60	0.54
5366.06	1.63	330.46	5365.32	36.43	18.95	36.43	41.07	27.48	0.16
5461.06	1.54	323.87	5460.28	38.64	17.53	38.64	42.43	24.41	0.21

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
5556.06	1.66	324.57	5555.24	40.79	15.98	40.79	43.81	21.40	0.13
5651.06	1.71	321.44	5650.20	43.02	14.30	43.02	45.33	18.38	0.11
5746.06	1.80	321.64	5745.16	45.30	12.49	45.30	46.99	15.41	0.09
5841.06	2.39	318.32	5840.09	47.95	10.25	47.95	49.03	12.06	0.64
5936.06	3.08	312.92	5934.98	51.16	7.06	51.16	51.65	7.86	0.77
6031.06	3.32	316.07	6029.84	54.88	3.29	54.88	54.98	3.43	0.32
6126.06	3.15	322.16	6124.68	58.93	-0.23	58.93	58.93	359.78	0.40
6221.06	2.99	314.23	6219.55	62.72	-3.60	62.72	62.82	356.71	0.48
6316.06	2.62	307.48	6314.44	65.76	-7.10	65.76	66.14	353.84	0.52
6411.06	2.69	302.38	6409.33	68.27	-10.70	68.27	69.11	351.09	0.26
6506.06	2.37	305.26	6504.24	70.60	-14.18	70.60	72.01	348.64	0.36
6601.06	1.86	303.77	6599.18	72.59	-17.07	72.59	74.57	346.77	0.54
6696.06	1.65	311.63	6694.13	74.36	-19.37	74.36	76.84	345.40	0.34
6791.06	1.40	301.37	6789.10	75.87	-21.39	75.87	78.83	344.26	0.39
6886.06	1.39	321.49	6884.07	77.38	-23.10	77.38	80.75	343.38	0.51
6981.06	1.47	308.20	6979.04	79.03	-24.77	79.03	82.83	342.60	0.36
7076.06	1.45	304.19	7074.01	80.46	-26.72	80.46	84.79	341.63	0.11
7171.06	1.38	278.43	7168.98	81.31	-28.85	81.31	86.27	340.47	0.67
7266.06	2.25	269.53	7263.93	81.46	-31.84	81.46	87.46	338.65	0.96
7361.06	2.73	264.83	7358.84	81.24	-35.96	81.24	88.84	336.13	0.54
7456.06	2.76	255.91	7453.74	80.48	-40.43	80.48	90.06	333.33	0.45
7551.06	2.51	246.97	7548.63	79.10	-44.57	79.10	90.80	330.60	0.51
7646.06	1.59	230.16	7643.57	77.45	-47.50	77.45	90.85	328.48	1.15
7741.06	1.51	223.07	7738.54	75.69	-49.36	75.69	90.36	326.89	0.22
7836.06	1.72	219.62	7833.50	73.68	-51.13	73.68	89.68	325.24	0.24
7931.06	2.04	201.11	7928.45	71.00	-52.64	71.00	88.39	323.44	0.72
8026.06	1.63	182.79	8023.40	68.07	-53.32	68.07	86.47	321.93	0.75
8121.06	1.75	181.70	8118.36	65.27	-53.43	65.27	84.35	320.70	0.13



Vaughn Energy Services
Gardendale, Texas
432-563-5444
Surveyor: Ray Seago
Beryl 33 Federal No. 001H / API 30-015-39790



VES Survey Date: 04/01/2012