

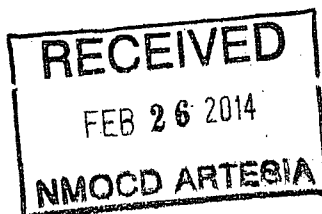
A GYRO TECHNOLOGIES INC. COMPANY

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

October 8, 2013

30-015-40035

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



Attn: Patti Riechers

Re: **Jasper 32 State Com No. 003H**

Please find enclosed a copy of the survey from 0.00' to 6730' ran on the above referenced well.

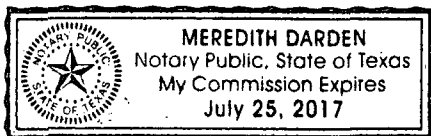
If I can be of any further service please do not hesitate to call me at 800-606-4976.

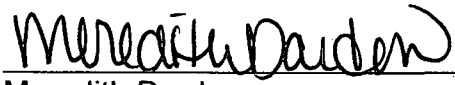
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 8 day of October, A.D., 2013, by Keith Havelka.




Meredith Darden
Notary Public, State of Texas



Company: Devon Energy Production Co.
Lease/Well: Jasper 32 State Com/No. 003H

Rig Name: Scan Texas
State/County: New Mexico/Eddy
Latitude: 32.62, Longitude: -104.09
GRID North is 0.13 Degrees East of True North
VS-Azi: 179.94 Degrees



Depth Reference : RKB = 26 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...2 state com 3h_gyro survey.ut

Minimum Curvature Method

Report Date/Time: 10/8/2013 / 10:49

Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Gene Heiss

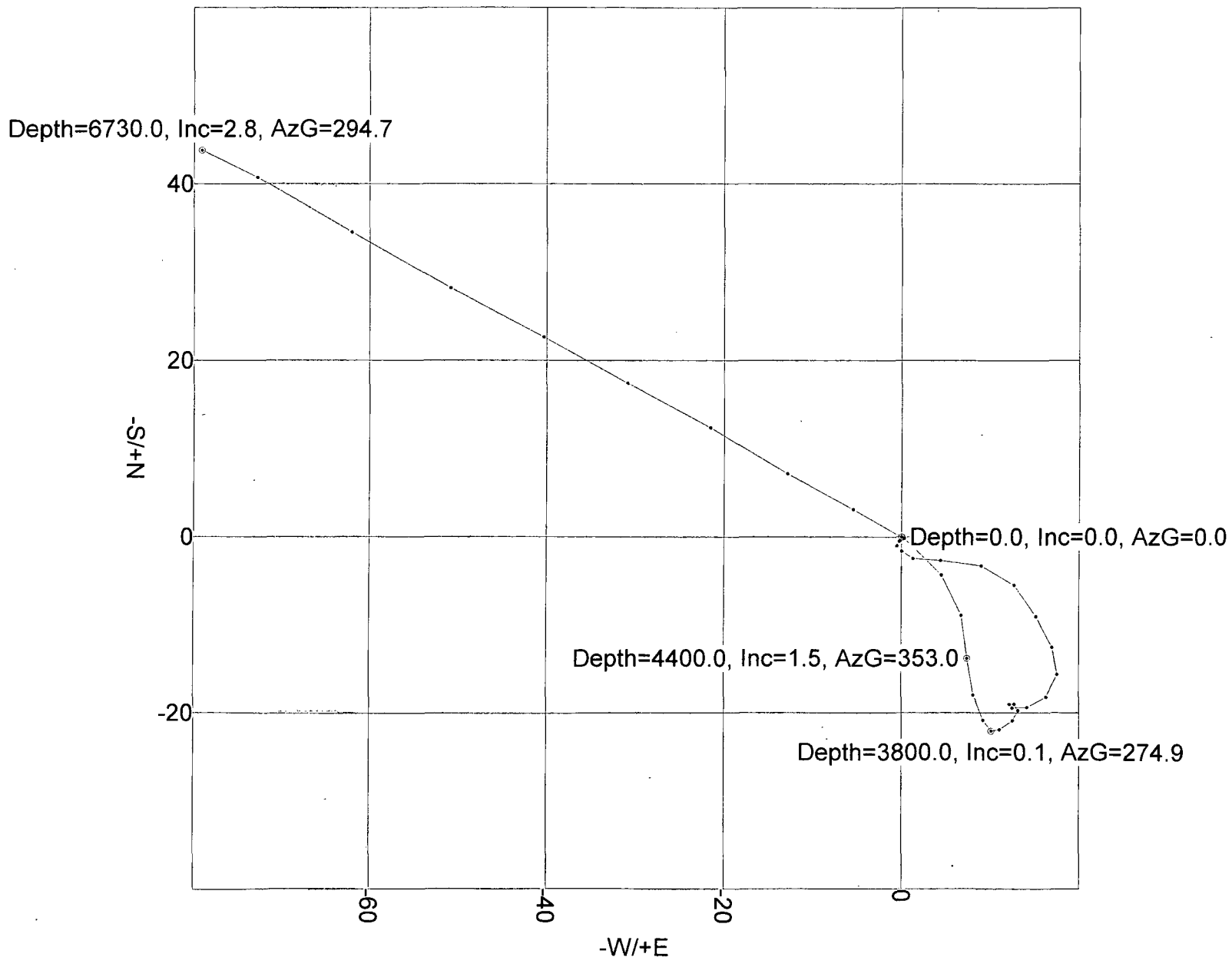
Jasper 32 State Com No. 003H / API 30-015-40035

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	****
200.00	0.31	208.51	200.00	-0.48	-0.26	0.48	0.54	208.51	0.16
400.00	0.02	178.56	400.00	-0.99	-0.52	0.99	1.12	207.66	0.15
600.00	0.45	138.41	600.00	-1.61	0.00	1.61	1.61	179.99	0.22
800.00	0.45	107.62	799.99	-2.43	1.27	2.43	2.74	152.36	0.12
1000.00	1.33	89.32	999.96	-2.64	4.35	2.65	5.09	121.25	0.46
1200.00	1.36	105.24	1199.91	-3.24	8.97	3.25	9.54	109.85	0.19
1400.00	1.22	138.09	1399.86	-5.45	12.69	5.47	13.81	113.26	0.37
1600.00	1.27	152.26	1599.81	-9.00	15.15	9.02	17.62	120.72	0.15
1800.00	1.01	153.69	1799.77	-12.53	16.95	12.55	21.08	126.46	0.13
2000.00	0.89	186.79	1999.75	-15.64	17.55	15.66	23.51	131.72	0.28
2200.00	0.85	226.68	2199.73	-18.21	16.28	18.23	24.42	138.20	0.30
2400.00	0.61	262.45	2399.71	-19.37	14.14	19.39	23.98	143.88	0.25
2600.00	0.35	276.76	2599.71	-19.44	12.48	19.45	23.10	147.31	0.14
2800.00	0.25	39.32	2799.70	-19.03	12.16	19.04	22.58	147.43	0.26
3000.00	0.24	140.21	2999.70	-19.01	12.70	19.03	22.87	146.25	0.19
3200.00	0.23	155.66	3199.70	-19.71	13.14	19.72	23.69	146.30	0.03
3400.00	0.66	224.08	3399.70	-20.91	12.51	20.92	24.36	149.09	0.31
3600.00	0.40	255.10	3599.69	-21.91	11.05	21.92	24.53	153.24	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
3800.00	0.15	274.90	3799.68	-22.06	10.12	22.07	24.27	155.36	0.13
4000.00	0.78	330.58	3999.68	-20.86	9.19	20.87	22.79	156.21	0.35
4200.00	0.99	345.85	4199.65	-17.99	8.10	18.00	19.73	155.76	0.16
4400.00	1.46	352.99	4399.61	-13.78	7.37	13.79	15.63	151.87	0.25
4600.00	1.38	351.71	4599.55	-8.87	6.71	8.88	11.13	142.90	0.05
4800.00	1.67	319.13	4799.48	-4.29	4.45	4.29	6.18	133.93	0.45
5000.00	1.69	310.35	4999.39	-0.17	0.29	0.17	0.33	119.97	0.13
5200.00	2.12	291.73	5199.28	3.12	-5.41	-3.12	6.24	299.98	0.38
5400.00	2.75	303.66	5399.10	7.15	-12.85	-7.16	14.70	299.10	0.40
5600.00	3.09	298.62	5598.84	12.39	-21.57	-12.42	24.88	299.88	0.21
5800.00	2.99	298.26	5798.56	17.44	-30.89	-17.47	35.47	299.45	0.05
6000.00	3.20	299.51	5998.27	22.66	-40.33	-22.70	46.26	299.32	0.11
6200.00	3.64	296.34	6197.91	28.22	-50.88	-28.28	58.19	299.02	0.24
6400.00	3.71	302.82	6397.50	34.55	-62.01	-34.61	70.98	299.12	0.21
6600.00	3.41	296.75	6597.12	40.72	-72.75	-40.80	83.37	299.24	0.24
6730.00	2.85	294.69	6726.93	43.81	-79.13	-43.89	90.45	298.97	0.44



Vaughn Energy Services
Midland, Texas
432-563-5444
Surveyor: Gene Heiss
Jasper 32 State Com No. 003H / API 30-015-40035



VES Survey Date: 10/01/2013