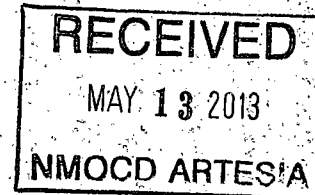


A GYRO TECHNOLOGIES INC. COMPANY

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

30 015 40627

November 20, 2012



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

Attn: Patti Riechers

Re: **Aquila 22 Fed Com No. 001H**

Please find enclosed a copy of the survey from 0.00' to 8475.00' ran on the above referenced well.

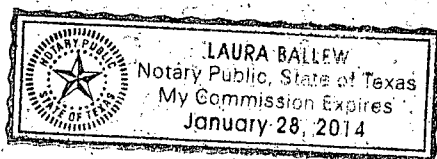
If I can be of any further service please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 21st day of November, A.D., 2012, by Keith Havelka.



Laura Ballew
Notary Public, State of Texas



Company: Devon Energy Production Co., LP

Lease/Well: Aquila 22 Fed Com / No. 001H

Rig Name: H&P 300

State/County: New Mexico / Eddy

Latitude: 32.65, Longitude: -103.85

GRID North is 0.26 Degrees East of True North

VS-Azi: 0.00 Degrees



Depth Reference : RKB = 26'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...2 fed com 1h ha gyro-de_01.ut

Minimum Curvature Method

Report Date/Time: 11/20/2012 / 08:25

Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Troy Hardin

Aquila 22 Fed Com No. 001H / API 30-015-40627

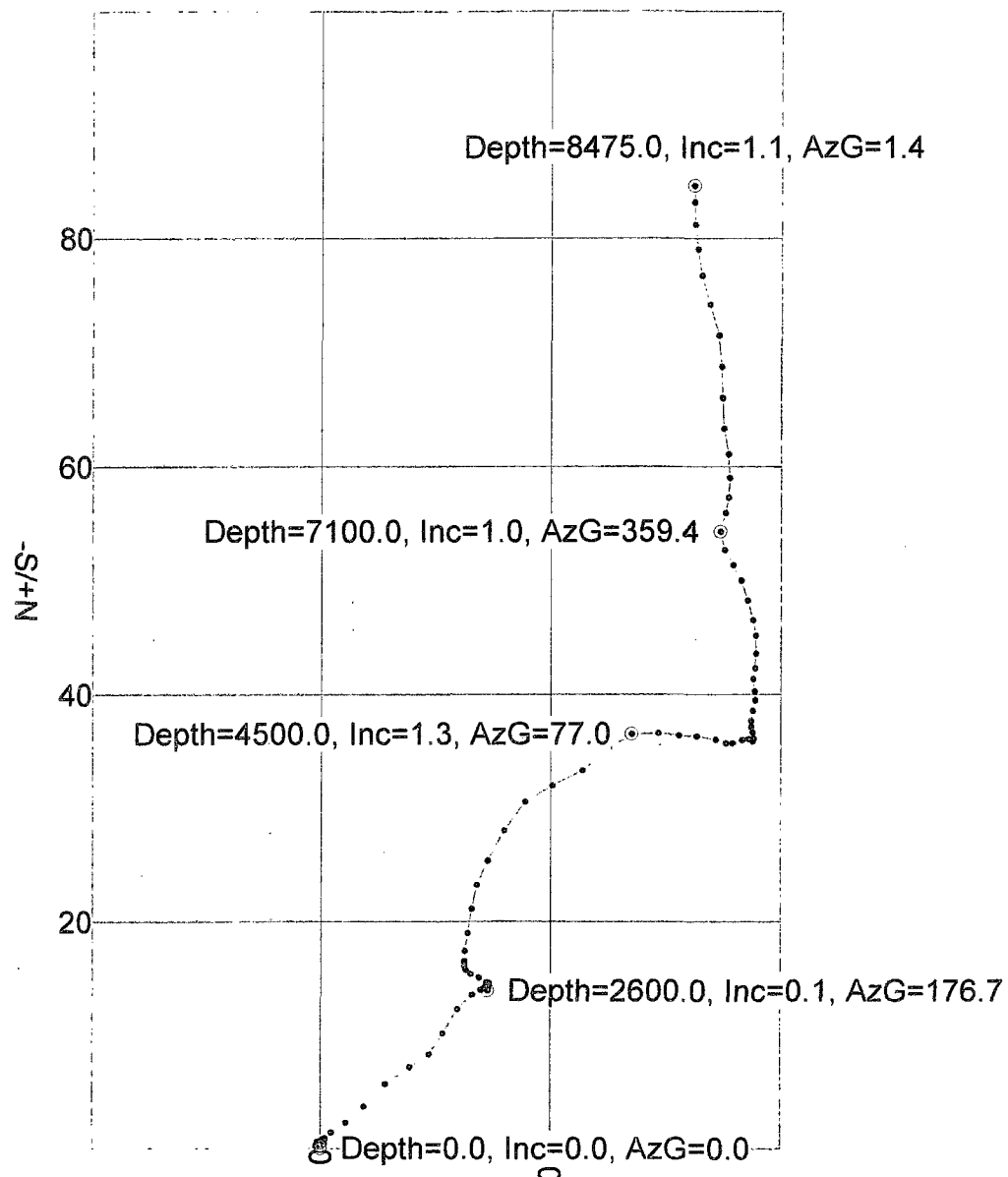
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.15	289.82	100.00	0.05	-0.13	0.05	0.13	289.82	0.15
200.00	0.10	266.28	200.00	0.09	-0.34	0.09	0.35	284.27	0.08
300.00	0.18	351.30	300.00	0.24	-0.44	0.24	0.50	298.07	0.20
400.00	0.26	39.51	400.00	0.57	-0.32	0.57	0.65	330.49	0.20
500.00	0.28	181.10	500.00	0.50	-0.18	0.50	0.53	340.06	0.51
600.00	0.27	16.08	600.00	0.48	-0.12	0.48	0.50	346.00	0.55
700.00	0.26	107.52	700.00	0.64	0.16	0.64	0.66	13.84	0.38
800.00	0.22	197.07	800.00	0.39	0.32	0.39	0.50	38.79	0.34
900.00	0.21	251.77	900.00	0.15	0.09	0.15	0.18	29.79	0.20
1000.00	0.21	336.99	1000.00	0.27	-0.16	0.27	0.31	329.34	0.28
1100.00	0.22	20.87	1099.99	0.61	-0.16	0.61	0.63	345.09	0.16
1200.00	0.25	88.07	1199.99	0.79	0.13	0.79	0.80	8.97	0.26
1300.00	0.03	217.90	1299.99	0.78	0.33	0.78	0.84	22.86	0.28
1400.00	0.15	20.37	1399.99	0.88	0.35	0.88	0.95	22.04	0.18
1500.00	0.76	53.48	1499.99	1.39	0.93	1.39	1.68	33.83	0.64
1600.00	0.98	56.24	1599.98	2.27	2.18	2.27	3.14	43.89	0.22
1700.00	1.46	41.83	1699.96	3.69	3.74	3.69	5.26	45.39	0.57
1800.00	1.69	44.74	1799.92	5.69	5.63	5.69	8.01	44.70	0.24

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	1.32	67.15	1899.88	7.19	7.73	7.19	10.56	47.09	0.69
2000.00	1.07	43.49	1999.86	8.32	9.44	8.32	12.58	48.62	0.55
2100.00	1.46	25.73	2099.84	10.15	10.64	10.15	14.70	46.36	0.55
2200.00	1.44	37.32	2199.81	12.30	11.96	12.30	17.15	44.20	0.29
2300.00	0.63	61.12	2299.79	13.56	13.20	13.56	18.92	44.22	0.90
2400.00	0.33	54.23	2399.79	13.99	13.91	13.99	19.73	44.83	0.30
2500.00	0.23	108.55	2499.79	14.10	14.34	14.10	20.11	45.48	0.27
2600.00	0.13	176.69	2599.78	13.93	14.53	13.93	20.13	46.21	0.21
2700.00	0.51	8.51	2699.78	14.26	14.60	14.26	20.41	45.68	0.64
2800.00	0.13	184.72	2799.78	14.60	14.66	14.60	20.69	45.13	0.64
2900.00	0.34	306.07	2899.78	14.66	14.41	14.66	20.56	44.52	0.42
3000.00	0.53	302.89	2999.78	15.08	13.79	15.08	20.43	42.45	0.19
3100.00	0.40	280.21	3099.78	15.39	13.06	15.39	20.18	40.32	0.22
3200.00	0.37	344.19	3199.77	15.77	12.62	15.77	20.20	38.69	0.41
3300.00	0.03	357.40	3299.77	16.11	12.53	16.11	20.41	37.89	0.34
3400.00	0.42	357.61	3399.77	16.50	12.52	16.50	20.71	37.19	0.39
3500.00	0.67	6.96	3499.77	17.44	12.57	17.44	21.50	35.79	0.27
3600.00	1.13	9.35	3599.76	19.00	12.80	19.00	22.91	33.98	0.46
3700.00	1.39	8.60	3699.73	21.16	13.15	21.16	24.91	31.85	0.26
3800.00	1.07	16.20	3799.71	23.26	13.59	23.26	26.94	30.29	0.36
3900.00	1.63	29.18	3899.68	25.39	14.54	25.39	29.26	29.80	0.63
4000.00	1.87	27.17	3999.63	28.08	15.98	28.08	32.31	29.64	0.25
4100.00	1.75	45.89	4099.58	30.60	17.82	30.60	35.40	30.21	0.60
4200.00	1.49	72.77	4199.55	32.04	20.16	32.04	37.86	32.17	0.79
4300.00	1.88	56.71	4299.50	33.33	22.77	33.33	40.37	34.34	0.61
4400.00	1.57	40.59	4399.46	35.27	25.03	35.27	43.25	35.37	0.57
4500.00	1.33	77.02	4499.43	36.56	27.05	36.56	45.48	36.49	0.93
4600.00	1.36	98.69	4599.40	36.64	29.34	36.64	46.94	38.69	0.50
4700.00	0.75	93.57	4699.38	36.42	31.17	36.42	47.94	40.55	0.61
4800.00	0.98	91.85	4799.37	36.36	32.68	36.36	48.89	41.95	0.23
4900.00	0.93	107.69	4899.36	36.08	34.31	36.08	49.79	43.56	0.27
5000.00	0.16	130.47	4999.35	35.75	35.19	35.75	50.16	44.55	0.78
5100.00	0.57	78.94	5099.35	35.75	35.78	35.75	50.58	45.03	0.48
5200.00	0.47	59.73	5199.35	36.05	36.62	36.05	51.39	45.45	0.20
5300.00	0.27	126.37	5299.35	36.12	37.17	36.12	51.83	45.82	0.44
5400.00	0.23	104.61	5399.35	35.93	37.55	35.93	51.97	46.27	0.10
5500.00	0.35	340.59	5499.34	36.16	37.65	36.16	52.20	46.15	0.51
5600.00	0.30	359.00	5599.34	36.71	37.54	36.71	52.50	45.64	0.12
5700.00	0.31	333.17	5699.34	37.21	37.41	37.21	52.77	45.16	0.14

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	0.32	26.86	5799.34	37.70	37.42	37.70	53.12	44.78	0.29
5900.00	0.74	2.73	5899.34	38.60	37.57	38.60	53.87	44.23	0.47
6000.00	0.37	30.61	5999.33	39.52	37.77	39.52	54.67	43.70	0.45
6100.00	0.64	337.15	6099.33	40.32	37.71	40.32	55.21	43.09	0.52
6200.00	0.65	8.75	6199.32	41.40	37.58	41.40	55.91	42.24	0.35
6300.00	0.45	13.57	6299.32	42.35	37.76	42.35	56.74	41.73	0.21
6400.00	1.02	357.26	6399.31	43.62	37.81	43.62	57.73	40.92	0.60
6500.00	0.81	2.45	6499.30	45.22	37.80	45.22	58.94	39.90	0.23
6600.00	0.82	337.18	6599.29	46.58	37.55	46.58	59.83	38.88	0.36
6700.00	1.24	349.32	6699.27	48.31	37.07	48.31	60.90	37.50	0.47
6800.00	0.90	333.59	6799.25	50.08	36.52	50.08	61.98	36.11	0.45
6900.00	0.84	330.18	6899.24	51.41	35.81	51.41	62.66	34.86	0.08
7000.00	0.90	332.59	6999.23	52.74	35.09	52.74	63.35	33.63	0.07
7100.00	1.04	359.41	7099.21	54.35	34.72	54.35	64.49	32.57	0.47
7200.00	0.97	30.78	7199.20	55.99	35.14	55.99	66.10	32.12	0.55
7300.00	0.76	345.06	7299.19	57.36	35.41	57.36	67.41	31.69	0.70
7400.00	1.26	14.37	7399.17	59.07	35.51	59.07	68.92	31.01	0.71
7500.00	1.21	339.88	7499.15	61.13	35.42	61.13	70.65	30.08	0.74
7600.00	1.44	358.13	7599.13	63.39	35.01	63.39	72.41	28.91	0.48
7700.00	1.60	356.92	7699.09	66.05	34.90	66.05	74.70	27.85	0.16
7800.00	1.56	0.11	7799.05	68.80	34.82	68.80	77.11	26.85	0.10
7900.00	1.61	348.48	7899.01	71.54	34.54	71.54	79.44	25.77	0.33
8000.00	1.61	338.76	7998.98	74.23	33.75	74.23	81.55	24.45	0.27
8100.00	1.40	351.20	8098.94	76.75	33.06	76.75	83.57	23.30	0.39
8200.00	1.28	353.63	8198.91	79.07	32.74	79.07	85.58	22.50	0.13
8300.00	1.19	354.87	8298.89	81.22	32.53	81.22	87.49	21.83	0.10
8400.00	1.09	359.22	8398.87	83.20	32.42	83.20	89.30	21.29	0.14
8475.00	1.14	1.40	8473.86	84.66	32.43	84.66	90.66	20.96	0.10



Vaughn Energy Services
Midland, Texas
432-563-5444
Surveyor: Troy Hardin
Aquila 22 Fed Com No. 001H / API 30-015-40627



-W/+E

VFS Survey Date: 11/09/2012