



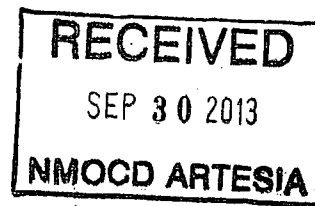
PO Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

A GYRO TECHNOLOGIES INC. COMPANY

15-41241

July 2, 2013

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



Attn: Patti Riechers

Re: **Pooky 4 State No 001H**

Please find enclosed a copy of the survey from 0' to 7,485' ran on the above referenced well.

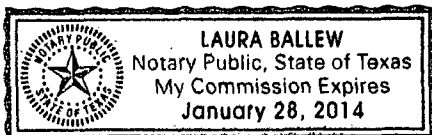
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

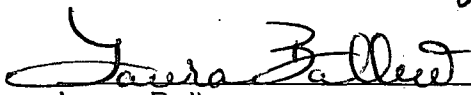
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 2nd day of July, A.D., 2013, by Keith Havelka.





Laura Ballew
Notary Public, State of Texas



Company: Devon Energy Production
Lease/Well: Pooky 4 State/No 001H
Location: S4 T25s R28e
Rig Name: McVay #6
State/County: New Mexico/Eddy
Latitude: 32.17, Longitude: -104.09
GRID North is 0.13 Degrees East of True North
VS-Azi: 0.00 Degrees



RKB : 18 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: pooky 4 state #1h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 7/2/2013 / 12:19

Vaughn Energy Services

(432) 563-5444

Gardendale, TX

Surveyor: Dustin Wedel

Pooky 4 State No 001H / API 30-015-41241

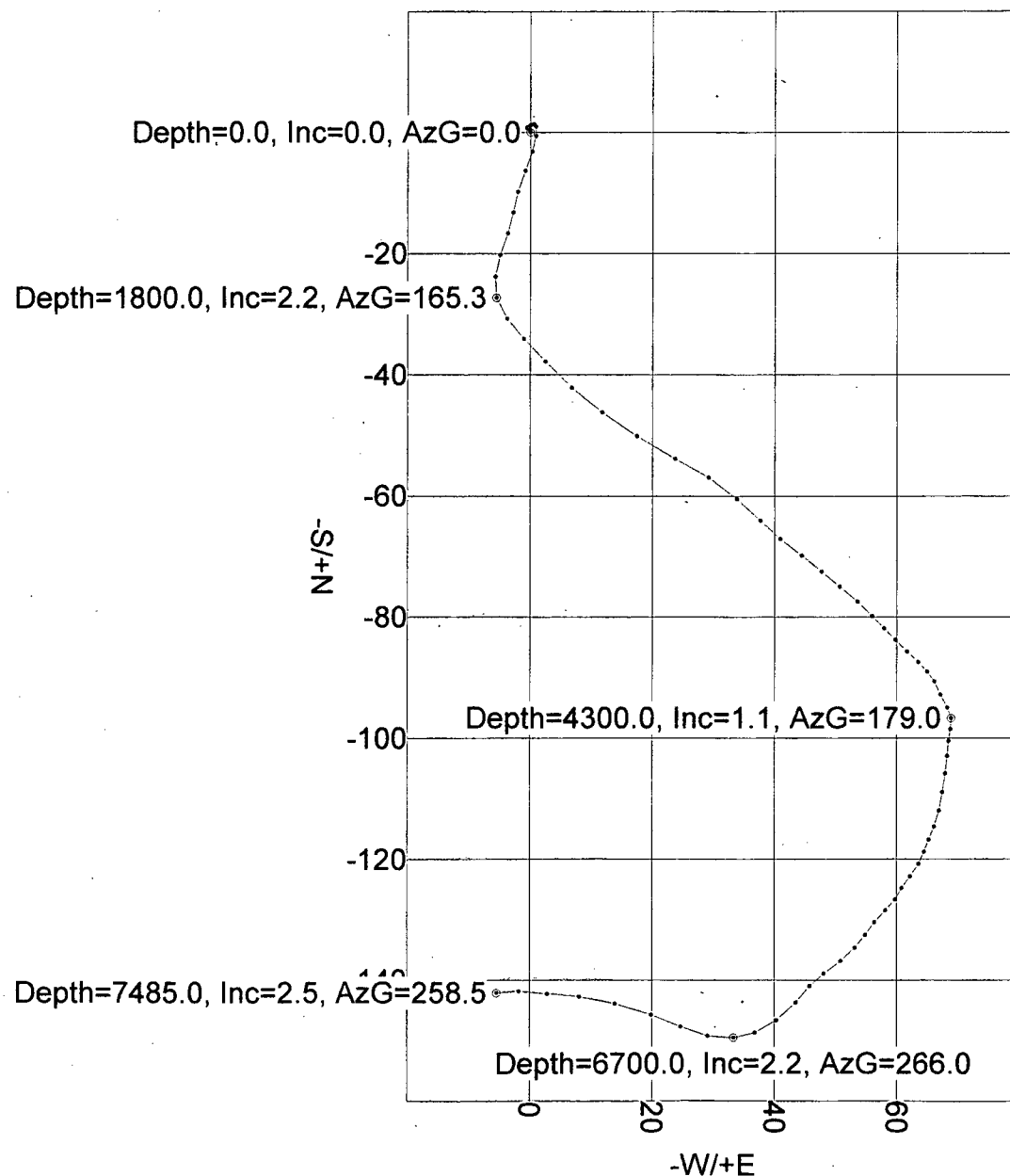
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.22	349.08	100.00	0.19	-0.04	0.19	0.19	349.08	0.22
200.00	0.21	324.36	200.00	0.53	-0.18	0.53	0.56	341.14	0.09
300.00	0.22	321.17	300.00	0.83	-0.41	0.83	0.92	333.77	0.01
400.00	0.19	204.94	400.00	0.83	-0.60	0.83	1.02	324.33	0.34
500.00	0.10	84.38	500.00	0.69	-0.58	0.69	0.90	320.01	0.25
600.00	0.26	47.13	600.00	0.86	-0.33	0.86	0.92	338.95	0.19
700.00	0.34	41.52	700.00	1.24	0.04	1.24	1.24	1.73	0.09
800.00	0.35	102.47	799.99	1.40	0.53	1.40	1.50	20.87	0.35
900.00	0.40	168.90	899.99	0.99	0.90	0.99	1.33	42.19	0.41
1000.00	1.38	182.77	999.98	-0.55	0.91	-0.55	1.06	121.46	0.99
1100.00	1.72	201.26	1099.94	-3.15	0.30	-3.15	3.17	174.51	0.60
1200.00	2.15	198.46	1199.89	-6.33	-0.83	-6.33	6.38	187.51	0.43
1300.00	2.06	199.42	1299.82	-9.80	-2.02	-9.80	10.01	191.68	0.09
1400.00	1.98	186.10	1399.76	-13.22	-2.81	-13.22	13.51	191.99	0.48
1500.00	2.11	202.17	1499.69	-16.65	-3.69	-16.65	17.05	192.49	0.59
1600.00	2.23	195.01	1599.62	-20.23	-4.89	-20.23	20.81	193.58	0.29
1700.00	1.93	190.11	1699.56	-23.77	-5.69	-23.77	24.44	193.45	0.34
1800.00	2.19	165.26	1799.49	-27.28	-5.50	-27.28	27.83	191.39	0.92

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	2.33	141.74	1899.42	-30.72	-3.75	-30.72	30.95	186.96	0.93
2000.00	2.58	139.29	1999.33	-34.03	-1.02	-34.03	34.04	181.72	0.27
2100.00	3.31	134.04	2099.19	-37.75	2.53	-37.75	37.83	176.17	0.78
2200.00	3.72	135.98	2199.00	-42.09	6.86	-42.09	42.64	170.74	0.42
2300.00	3.67	122.85	2298.80	-46.15	11.80	-46.15	47.64	165.66	0.85
2400.00	4.30	126.86	2398.56	-50.14	17.49	-50.14	53.10	160.77	0.69
2500.00	4.00	114.39	2498.30	-53.83	23.67	-53.83	58.80	156.26	0.95
2600.00	3.29	124.96	2598.09	-56.92	29.20	-56.92	63.97	152.84	0.98
2700.00	3.38	130.13	2697.92	-60.46	33.81	-60.46	69.27	150.79	0.31
2800.00	2.63	136.70	2797.79	-64.03	37.64	-64.03	74.27	149.55	0.82
2900.00	2.49	129.23	2897.69	-67.08	40.89	-67.08	78.56	148.63	0.36
3000.00	2.59	126.48	2997.59	-69.80	44.39	-69.80	82.72	147.54	0.16
3100.00	2.22	133.54	3097.50	-72.47	47.62	-72.47	86.72	146.70	0.48
3200.00	2.25	127.17	3197.43	-74.99	50.58	-74.99	90.46	146.00	0.25
3300.00	2.16	131.49	3297.35	-77.42	53.55	-77.42	94.14	145.33	0.19
3400.00	1.73	140.56	3397.29	-79.84	55.92	-79.84	97.48	144.99	0.53
3500.00	1.51	130.27	3497.25	-81.86	57.89	-81.86	100.26	144.73	0.37
3600.00	1.54	140.16	3597.22	-83.74	59.76	-83.74	102.87	144.49	0.27
3700.00	1.55	130.54	3697.18	-85.65	61.64	-85.65	105.53	144.26	0.26
3800.00	1.35	137.55	3797.15	-87.40	63.47	-87.40	108.01	144.01	0.26
3900.00	1.15	135.19	3897.13	-88.98	64.97	-88.98	110.18	143.87	0.21
4000.00	1.15	152.92	3997.11	-90.59	66.14	-90.59	112.16	143.87	0.36
4100.00	1.59	158.21	4097.08	-92.77	67.11	-92.77	114.50	144.12	0.45
4200.00	1.17	144.04	4197.05	-94.88	68.22	-94.88	116.86	144.28	0.54
4300.00	1.09	178.99	4297.03	-96.66	68.83	-96.66	118.66	144.54	0.68
4400.00	1.04	187.14	4397.01	-98.51	68.74	-98.51	120.12	145.10	0.16
4500.00	1.19	189.41	4496.99	-100.44	68.45	-100.44	121.55	145.72	0.15
4600.00	1.66	182.97	4596.96	-102.91	68.21	-102.91	123.46	146.46	0.50
4700.00	1.71	188.54	4696.92	-105.83	67.91	-105.83	125.75	147.31	0.17
4800.00	1.84	188.88	4796.87	-108.90	67.44	-108.90	128.09	148.23	0.12
4900.00	1.74	192.44	4896.82	-111.97	66.87	-111.97	130.41	149.15	0.15
5000.00	1.46	201.11	4996.78	-114.64	66.08	-114.64	132.32	150.04	0.37
5100.00	1.17	201.46	5096.76	-116.77	65.25	-116.77	133.77	150.80	0.29
5200.00	1.28	201.64	5196.74	-118.76	64.47	-118.76	135.13	151.50	0.12
5300.00	1.24	208.04	5296.71	-120.75	63.55	-120.75	136.45	152.24	0.15
5400.00	1.62	219.64	5396.68	-122.79	62.14	-122.79	137.62	153.16	0.48
5500.00	1.16	207.38	5496.65	-124.78	60.77	-124.78	138.79	154.03	0.54
5600.00	1.29	210.99	5596.63	-126.64	59.73	-126.64	140.02	154.75	0.15
5700.00	1.52	231.19	5696.60	-128.44	58.11	-128.44	140.98	155.66	0.54

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	1.50	214.74	5796.56	-130.35	56.33	-130.35	142.00	156.63	0.43
5900.00	1.47	215.78	5896.53	-132.47	54.83	-132.47	143.37	157.51	0.04
6000.00	1.66	222.27	5996.49	-134.58	53.11	-134.58	144.68	158.47	0.26
6100.00	2.00	229.32	6096.44	-136.79	50.81	-136.79	145.92	159.62	0.40
6200.00	1.98	237.39	6196.38	-138.86	48.04	-138.86	146.93	160.92	0.28
6300.00	1.64	218.00	6296.33	-140.92	45.70	-140.92	148.14	162.03	0.69
6400.00	2.41	219.64	6396.27	-143.67	43.47	-143.67	150.10	163.16	0.77
6500.00	2.59	234.10	6496.17	-146.62	40.30	-146.62	152.05	164.63	0.66
6600.00	2.04	246.08	6596.09	-148.66	36.84	-148.66	153.16	166.08	0.74
6700.00	2.17	266.03	6696.03	-149.51	33.33	-149.51	153.18	167.43	0.74
6800.00	2.76	280.36	6795.94	-149.21	29.07	-149.21	152.02	168.98	0.85
6900.00	2.67	299.25	6895.83	-147.64	24.67	-147.64	149.69	170.51	0.90
7000.00	3.38	286.57	6995.69	-145.67	19.82	-145.67	147.01	172.25	0.97
7100.00	3.66	287.70	7095.50	-143.86	13.95	-143.86	144.53	174.46	0.29
7200.00	3.18	273.63	7195.32	-142.71	8.14	-142.71	142.94	176.74	0.96
7300.00	2.88	276.76	7295.18	-142.24	2.88	-142.24	142.27	178.84	0.35
7400.00	2.50	273.56	7395.07	-141.81	-1.79	-141.81	141.82	180.72	0.41
7485.00	2.46	258.54	7479.99	-142.05	-5.42	-142.05	142.16	182.19	0.76



Vaughn Energy Services
(432) 563-5444
Gardendale, TX
Surveyor: Dustin Wedel
Pooky 4 State No 001H / API 30-015-41241



VES Survey Date: 06/27/2013