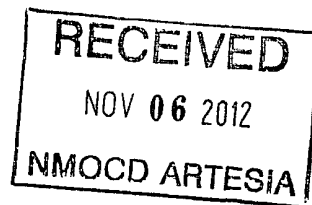




A GYRO TECHNOLOGIES INC. COMPANY

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



May 9, 2012

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

15-39896

Attn: Mark Cooper

Re: **Shaqtus 26 State Com 2H**

Please find enclosed a copy of the survey from 0' to 7,200' ran on the above referenced well.

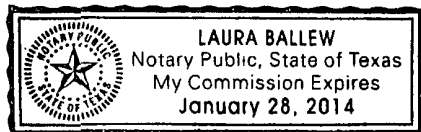
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 9th day of May,
A.D., 2012, by Keith Havelka.



Laura Ballew

Laura Ballew
Notary Public, State of Texas



Company: Devon Energy Production Co. LP
Lease/Well: Shaqtus 26 State Com/2H
Location: S35, T21s, R31e
Rig Name: H&P 416
State/County: New Mexico/Eddy
Latitude: 32.44
GRID North is 0.31 Degrees East of True North
VS-Azi: 354.20 Degrees

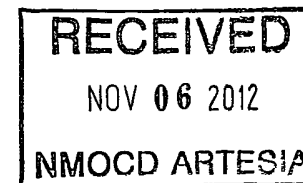


Depth Reference : RKB = 25 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS
Filename: shaqtus 26 state com #002h_ed.ut
Minimum Curvature Method
Report Date/Time: 5/9/2012 / 09:42

Vaughn Energy Services
Gardendale, Texas
432-563-5444

Surveyor: Seth Hardin
Shaqtus 26 State Com 2H / API 30-015-39896



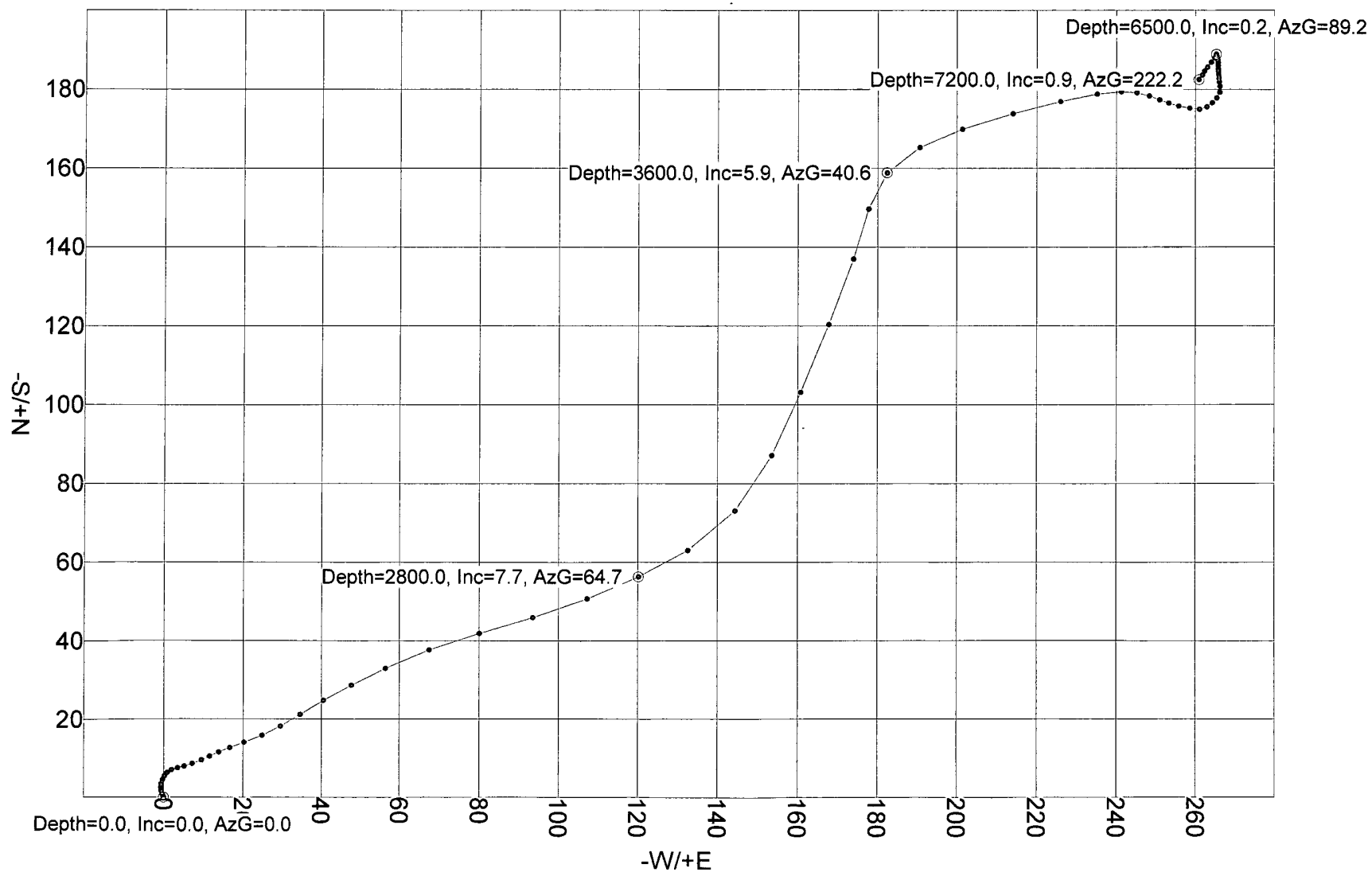
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.37	336.43	100.00	0.30	-0.13	0.31	0.32	336.43	0.37
200.00	0.37	341.10	200.00	0.90	-0.36	0.93	0.97	337.98	0.03
300.00	0.56	345.34	299.99	1.67	-0.59	1.73	1.78	340.56	0.19
400.00	0.53	355.42	399.99	2.61	-0.75	2.67	2.71	343.92	0.10
500.00	0.52	18.55	499.99	3.50	-0.64	3.54	3.55	349.57	0.21
600.00	0.76	20.45	599.98	4.55	-0.27	4.55	4.55	356.62	0.24
700.00	0.57	30.27	699.97	5.60	0.21	5.55	5.60	2.19	0.22
800.00	0.62	46.44	799.97	6.40	0.86	6.28	6.46	7.65	0.18
900.00	0.91	64.66	899.96	7.12	1.97	6.88	7.38	15.49	0.37
1000.00	0.88	78.09	999.95	7.62	3.44	7.23	8.36	24.33	0.21
1100.00	1.06	74.38	1099.93	8.02	5.09	7.47	9.50	32.39	0.19
1200.00	1.37	71.09	1199.91	8.66	7.12	7.90	11.21	39.41	0.32
1300.00	1.41	66.25	1299.88	9.55	9.37	8.55	13.38	44.48	0.12
1400.00	1.23	65.07	1399.85	10.49	11.48	9.28	15.55	47.56	0.18
1500.00	1.66	67.21	1499.82	11.51	13.79	10.06	17.96	50.15	0.43
1600.00	1.84	68.48	1599.77	12.66	16.62	10.92	20.89	52.70	0.18
1700.00	2.57	70.26	1699.70	14.01	20.23	11.89	24.60	55.30	0.73
1800.00	3.08	67.03	1799.58	15.81	24.81	13.22	29.42	57.49	0.53

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	3.02	60.45	1899.44	18.16	29.57	15.08	34.70	58.45	0.35
2000.00	3.69	57.78	1999.26	21.17	34.59	17.57	40.55	58.53	0.68
2100.00	4.30	59.90	2099.02	24.77	40.55	20.54	47.52	58.58	0.64
2200.00	5.02	62.99	2198.69	28.64	47.70	23.67	55.64	59.02	0.76
2300.00	6.23	64.49	2298.21	32.96	56.49	27.09	65.41	59.74	1.21
2400.00	7.47	68.74	2397.49	37.66	67.45	30.65	77.25	60.83	1.34
2500.00	7.84	74.40	2496.60	41.85	80.08	33.54	90.36	62.41	0.84
2600.00	8.30	72.14	2595.61	45.90	93.53	36.21	104.18	63.86	0.56
2700.00	8.45	68.92	2694.54	50.76	107.26	39.66	118.66	64.67	0.49
2800.00	7.75	64.74	2793.54	56.28	120.21	43.84	132.74	64.91	0.92
2900.00	8.51	58.05	2892.54	63.07	132.59	49.35	146.83	64.56	1.21
3000.00	9.42	41.58	2991.33	73.11	144.30	58.16	161.77	63.13	2.71
3100.00	10.13	25.53	3089.90	87.17	153.53	71.21	176.55	60.41	2.80
3200.00	10.07	23.05	3188.35	103.15	160.74	86.38	190.99	57.31	0.44
3300.00	11.41	21.64	3286.60	120.40	167.81	102.82	206.53	54.34	1.36
3400.00	8.99	18.78	3385.01	136.99	173.97	118.71	221.43	51.78	2.47
3500.00	6.24	13.44	3484.12	149.68	177.75	130.95	232.38	49.90	2.84
3600.00	5.92	40.56	3583.58	158.89	182.37	139.64	241.88	48.94	2.86
3700.00	6.28	63.03	3683.02	165.29	190.61	145.18	252.29	49.07	2.40
3800.00	7.23	70.48	3782.33	169.87	201.41	148.65	263.49	49.86	1.29
3900.00	7.98	74.81	3881.45	173.79	214.05	151.27	275.72	50.93	0.95
4000.00	6.25	76.23	3980.68	176.91	226.04	153.16	287.04	51.95	1.74
4100.00	4.46	81.65	4080.24	178.77	235.17	154.09	295.41	52.76	1.87
4200.00	2.53	89.60	4180.05	179.35	241.22	154.06	300.59	53.37	1.98
4300.00	1.99	98.45	4279.97	179.11	245.14	153.42	303.60	53.85	0.64
4400.00	1.78	109.89	4379.92	178.33	248.32	152.32	305.72	54.32	0.43
4500.00	1.36	112.57	4479.88	177.34	250.87	151.08	307.23	54.74	0.43
4600.00	1.44	108.38	4579.85	176.49	253.16	150.00	308.61	55.12	0.13
4700.00	1.60	103.91	4679.81	175.76	255.71	149.02	310.29	55.50	0.20
4800.00	1.67	99.42	4779.77	175.19	258.50	148.17	312.27	55.87	0.14
4900.00	1.25	88.62	4879.74	174.97	261.03	147.70	314.25	56.16	0.50
5000.00	1.09	54.83	4979.72	175.55	262.89	148.08	316.11	56.27	0.70
5100.00	0.88	47.52	5079.70	176.61	264.23	149.01	317.82	56.24	0.24
5200.00	1.02	40.03	5179.69	177.81	265.37	150.08	319.44	56.18	0.19
5300.00	0.90	12.59	5279.68	179.26	266.11	151.45	320.86	56.04	0.47
5400.00	0.83	351.06	5379.67	180.74	266.17	152.92	321.74	55.82	0.33
5500.00	0.47	352.19	5479.66	181.86	266.00	154.05	322.23	55.64	0.37
5600.00	0.64	354.64	5579.66	182.82	265.90	155.01	322.68	55.49	0.17
5700.00	0.45	358.72	5679.65	183.77	265.84	155.96	323.17	55.34	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
5800.00	0.46	352.98	5779.65	184.56	265.78	156.76	323.57	55.22	0.05
5900.00	0.29	357.71	5879.65	185.20	265.72	157.40	323.89	55.12	0.17
6000.00	0.62	0.99	5979.64	186.00	265.72	158.19	324.35	55.01	0.33
6100.00	0.29	1.29	6079.64	186.79	265.73	158.98	324.82	54.90	0.33
6200.00	0.54	347.34	6179.64	187.50	265.64	159.70	325.14	54.78	0.27
6300.00	0.28	331.38	6279.63	188.17	265.42	160.39	325.35	54.66	0.28
6400.00	0.32	338.05	6379.63	188.65	265.19	160.88	325.45	54.57	0.05
6500.00	0.21	89.20	6479.63	188.91	265.27	161.14	325.66	54.54	0.44
6600.00	0.34	211.74	6579.63	188.66	265.30	160.89	325.54	54.58	0.49
6700.00	0.63	217.84	6679.63	187.98	264.80	160.25	324.74	54.63	0.29
6800.00	0.93	215.10	6779.62	186.88	264.00	159.24	323.45	54.71	0.31
6900.00	0.89	218.34	6879.61	185.60	263.05	158.07	321.94	54.79	0.07
7000.00	0.52	214.56	6979.60	184.62	262.31	157.17	320.77	54.86	0.37
7100.00	0.80	206.99	7079.59	183.62	261.74	156.23	319.72	54.95	0.29
7200.00	0.86	222.21	7179.58	182.44	260.91	155.14	318.37	55.04	0.23



Vaughn Energy Services
Gardendale, Texas
432-563-5444
Surveyor: Seth Hardin
Shaqtus 26 State Com 2H / API 30-015-39896



VES Survey Date: 05/01/2012

Devon Energy

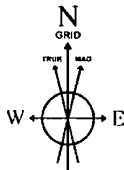
Location Eddy County, NM Slot No 2H SHL
Field: (Shaqtus) Sec 35, T21S, R31E Well No 2H
Facility Shaqtus 26 State Com No.2H Wellbore No 2H PWB

devon

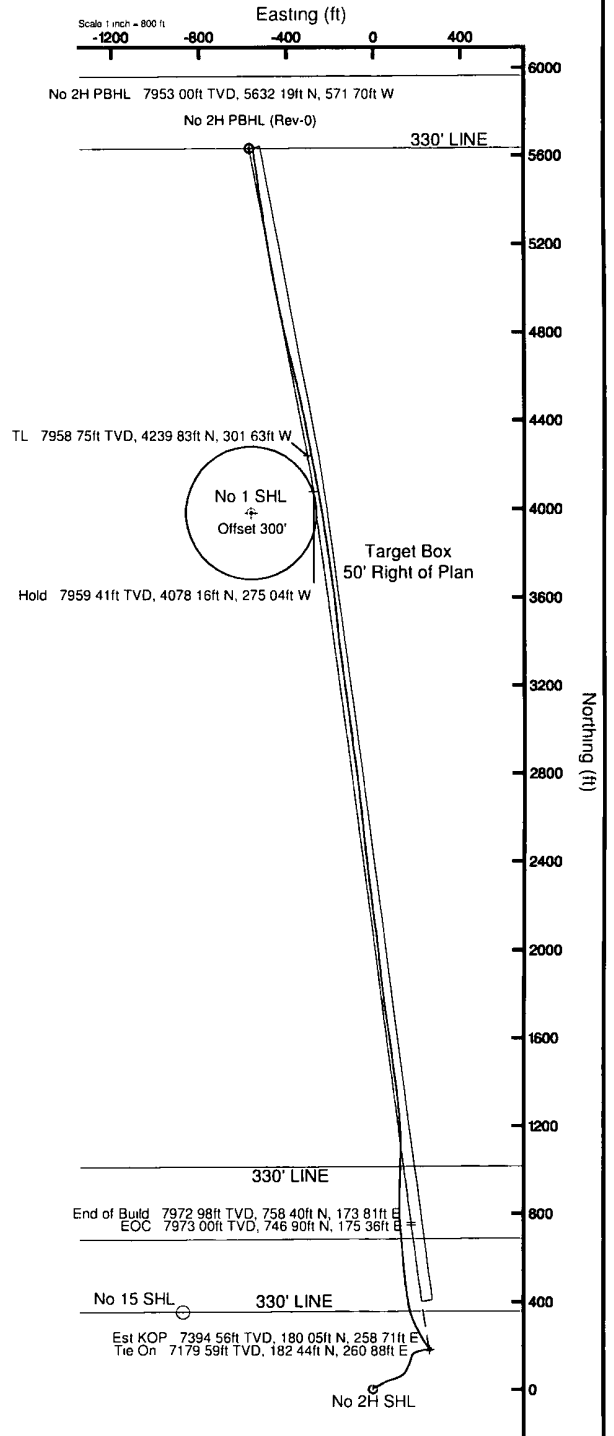
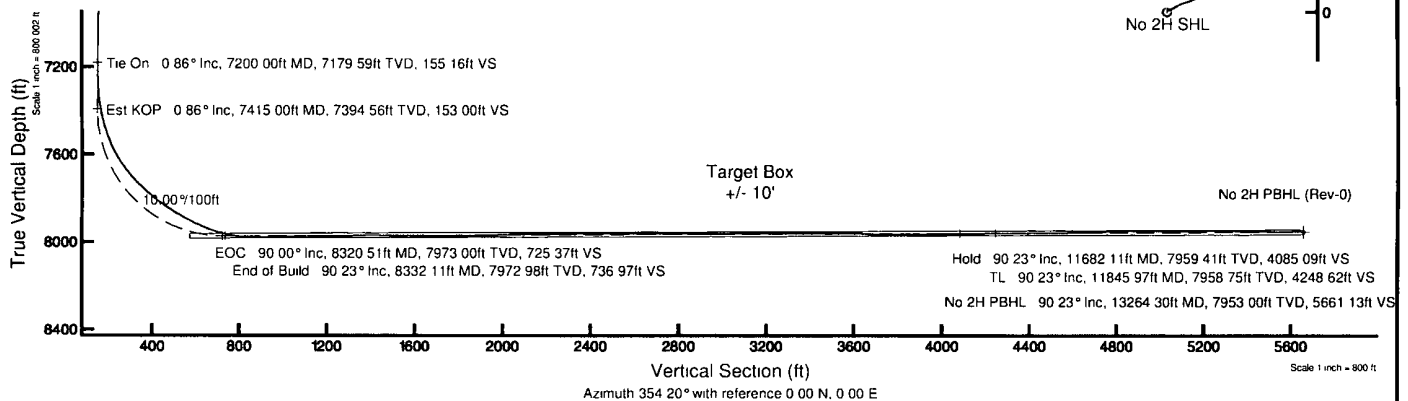
Well Profile Data

Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	7200.00	0.860	222.210	7179.59	182.44	260.88	0.00	155.16
Est KOP	7415.00	0.860	222.210	7394.56	180.05	258.71	0.00	153.00
EOC	8320.51	90.000	352.300	7973.00	746.90	175.36	10.00	725.37
End of Build	8332.11	90.232	352.300	7972.98	758.40	173.81	2.00	736.97
Hold	11682.11	90.232	352.300	7959.41	4078.16	-275.04	0.00	4085.09
TL	11845.97	90.232	349.023	7958.75	4239.83	-301.63	2.00	4248.62
No 2H PBHL	13264.30	90.232	349.023	7953.00	5632.19	-571.70	0.00	5661.13

Plot reference wellpath is Rev C 0	
True vertical depths are referenced to Rig on No 2H SHL (KB)	Grid System NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No 2H SHL (KB)	North Reference: Grid north
Rig on No 2H SHL (KB) to Mean Sea Level: 3539.8 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No 2H SHL): -3514.8 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: gentry on 5/2/2012



BGGM (1945.0 to 2013.0) Dip 60.32° Field 48661.1 nT
Magnetic North is 7.60 degrees East of True North (at 4/20/2012)
Grid North is 0.31 degrees East of True North
To correct azimuth from True to Grid subtract 0.31 degrees
To correct azimuth from Magnetic to Grid add 7.29 degrees
For example if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 7.29 = 97.29





Actual Wellpath Report

No.2H AWP

Page 2 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Shaqtus) Sec 35, T21S, R31E	Wellbore	No.2H AWB
Facility	Shaqtus 26 State Com No.2H		

WELLPATH DATA (157 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00	0.000	336.430	0.00	0.00	0.00	0.00	721610.14	524452.76	32°26'25.549"N	103°44'56.328"W	0.00	
100.00	0.370	336.430	100.00	0.31	0.30	-0.13	721610.01	524453.06	32°26'25.552"N	103°44'56.330"W	0.37	
200.00	0.370	341.100	200.00	0.93	0.90	-0.36	721609.78	524453.66	32°26'25.558"N	103°44'56.332"W	0.03	
300.00	0.560	345.340	299.99	1.73	1.68	-0.59	721609.55	524454.44	32°26'25.566"N	103°44'56.335"W	0.19	
400.00	0.530	355.420	399.99	2.67	2.61	-0.75	721609.39	524455.37	32°26'25.575"N	103°44'56.337"W	0.10	
500.00	0.520	18.550	499.99	3.55	3.50	-0.64	721609.50	524456.26	32°26'25.584"N	103°44'56.335"W	0.21	
600.00	0.760	20.450	599.98	4.56	4.55	-0.27	721609.87	524457.31	32°26'25.594"N	103°44'56.331"W	0.24	
700.00	0.570	30.270	699.97	5.55	5.60	0.21	721610.35	524458.36	32°26'25.605"N	103°44'56.325"W	0.22	
800.00	0.620	46.440	799.97	6.29	6.41	0.86	721611.00	524459.17	32°26'25.613"N	103°44'56.318"W	0.17	
900.00	0.910	64.660	899.96	6.88	7.12	1.97	721612.11	524459.88	32°26'25.620"N	103°44'56.305"W	0.38	
1000.00	0.880	78.090	999.95	7.23	7.62	3.44	721613.58	524460.38	32°26'25.625"N	103°44'56.288"W	0.21	
1100.00	1.060	74.380	1099.93	7.47	8.02	5.08	721615.22	524460.78	32°26'25.628"N	103°44'56.268"W	0.19	
1200.00	1.370	71.090	1199.91	7.90	8.66	7.10	721617.24	524461.42	32°26'25.635"N	103°44'56.245"W	0.32	
1300.00	1.410	66.250	1299.88	8.55	9.54	9.36	721619.50	524462.30	32°26'25.643"N	103°44'56.218"W	0.12	
1400.00	1.230	65.070	1399.85	9.28	10.49	11.46	721621.60	524463.25	32°26'25.653"N	103°44'56.194"W	0.18	
1500.00	1.660	67.210	1499.82	10.06	11.51	13.76	721623.90	524464.26	32°26'25.662"N	103°44'56.167"W	0.43	
1600.00	1.840	68.480	1599.77	10.91	12.66	16.59	721626.73	524465.41	32°26'25.674"N	103°44'56.134"W	0.18	
1700.00	2.570	70.260	1699.70	11.89	14.00	20.20	721630.34	524466.76	32°26'25.687"N	103°44'56.092"W	0.73	
1800.00	3.080	67.030	1799.58	13.22	15.81	24.78	721634.92	524468.57	32°26'25.704"N	103°44'56.038"W	0.53	
1900.00	3.020	60.450	1899.44	15.08	18.15	29.55	721639.68	524470.91	32°26'25.727"N	103°44'55.982"W	0.36	
2000.00	3.690	57.780	1999.26	17.57	21.17	34.56	721644.70	524473.93	32°26'25.757"N	103°44'55.924"W	0.69	
2100.00	4.300	59.900	2099.02	20.55	24.77	40.53	721650.66	524477.52	32°26'25.792"N	103°44'55.854"W	0.63	
2200.00	5.020	62.990	2198.69	23.67	28.63	47.67	721657.81	524481.39	32°26'25.830"N	103°44'55.770"W	0.76	
2300.00	6.230	64.490	2298.21	27.09	32.96	56.46	721666.60	524485.71	32°26'25.872"N	103°44'55.667"W	1.22	
2400.00	7.470	68.740	2397.49	30.65	37.65	67.42	721677.55	524490.41	32°26'25.918"N	103°44'55.539"W	1.34	
2500.00	7.840	74.400	2496.60	33.54	41.84	80.05	721690.18	524494.60	32°26'25.959"N	103°44'55.392"W	0.84	
2600.00	8.300	72.140	2595.61	36.21	45.89	93.49	721703.62	524498.65	32°26'25.998"N	103°44'55.234"W	0.56	
2700.00	8.450	68.920	2694.55	39.66	50.75	107.21	721717.34	524503.50	32°26'26.046"N	103°44'55.074"W	0.49	
2800.00	7.750	64.740	2793.55	43.84	56.27	120.16	721730.30	524509.02	32°26'26.100"N	103°44'54.922"W	0.91	
2900.00	8.510	58.050	2892.54	49.35	63.06	132.54	721742.67	524515.82	32°26'26.166"N	103°44'54.778"W	1.21	
3000.00	9.420	41.580	2991.34	58.16	73.10	144.25	721754.38	524525.85	32°26'26.265"N	103°44'54.640"W	2.71	
3100.00	10.130	25.530	3089.90	71.21	87.16	153.48	721763.61	524539.91	32°26'26.403"N	103°44'54.532"W	2.81	
3200.00	10.070	23.050	3188.36	86.38	103.14	160.69	721770.82	524555.89	32°26'26.561"N	103°44'54.447"W	0.44	
3300.00	11.410	21.640	3286.60	102.82	120.38	167.76	721777.89	524573.13	32°26'26.731"N	103°44'54.363"W	1.37	
3400.00	8.990	18.780	3385.01	118.71	136.97	173.92	721784.05	524589.72	32°26'26.895"N	103°44'54.290"W	2.47	
3500.00	6.240	13.440	3484.12	130.95	149.66	177.70	721787.83	524602.41	32°26'27.021"N	103°44'54.245"W	2.84	
3600.00	5.920	40.560	3583.58	139.64	158.86	182.32	721792.45	524611.61	32°26'27.111"N	103°44'54.191"W	2.86	
3700.00	6.280	63.030	3683.03	145.17	165.26	190.55	721800.68	524618.01	32°26'27.174"N	103°44'54.094"W	2.40	
3800.00	7.230	70.480	3782.34	148.64	169.84	201.36	721811.48	524622.60	32°26'27.219"N	103°44'53.968"W	1.29	
3900.00	7.980	74.810	3881.46	151.27	173.77	213.99	721824.11	524626.52	32°26'27.257"N	103°44'53.820"W	0.94	
4000.00	6.250	76.230	3980.68	153.16	176.88	225.97	721836.10	524629.63	32°26'27.287"N	103°44'53.680"W	1.74	
4100.00	4.460	81.650	4080.24	154.08	178.74	235.11	721845.23	524631.49	32°26'27.305"N	103°44'53.573"W	1.86	
4200.00	2.530	89.600	4180.05	154.05	179.32	241.16	721851.29	524632.07	32°26'27.311"N	103°44'53.503"W	1.99	
4300.00	1.990	98.450	4279.98	153.42	179.08	245.09	721855.21	524631.83	32°26'27.308"N	103°44'53.457"W	0.64	
4400.00	1.780	109.890	4379.92	152.32	178.30	248.26	721858.39	524631.05	32°26'27.300"N	103°44'53.420"W	0.43	



Actual Wellpath Report

No.2H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Shaqtus) Sec 35, T21S, R31E	Wellbore	No.2H AWB
Facility	Shaqtus 26 State Com No.2H		

WELLPATH DATA (157 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
7873.00	49.500	351.400	7776.75	387.91	406.24	160.98	721771.12	524858.98	32°26'29.560"N	103°44'54.424"W	8.08	
7905.00	50.500	351.100	7797.32	412.39	430.47	157.25	721767.39	524883.21	32°26'29.800"N	103°44'54.466"W	3.21	
7936.00	53.500	352.000	7816.41	436.79	454.63	153.67	721763.80	524907.37	32°26'30.039"N	103°44'54.506"W	9.94	
7968.00	56.000	352.200	7834.87	462.90	480.51	150.08	721760.21	524933.25	32°26'30.296"N	103°44'54.546"W	7.83	
8031.00	59.100	353.900	7868.67	516.05	533.28	143.66	721753.79	524986.01	32°26'30.818"N	103°44'54.618"W	5.42	
8063.00	61.100	355.300	7884.63	543.78	560.89	141.05	721751.19	525013.62	32°26'31.092"N	103°44'54.647"W	7.31	
8094.00	62.500	354.700	7899.27	571.10	588.11	138.67	721748.80	525040.84	32°26'31.361"N	103°44'54.673"W	4.83	
8126.00	63.500	355.300	7913.80	599.61	616.51	136.19	721746.32	525069.24	32°26'31.642"N	103°44'54.700"W	3.54	
8157.00	65.500	354.200	7927.15	627.59	644.37	133.62	721743.76	525097.10	32°26'31.918"N	103°44'54.728"W	7.20	
8189.00	68.400	354.020	7939.68	657.03	673.66	130.60	721740.74	525126.38	32°26'32.208"N	103°44'54.761"W	9.08	
8221.00	72.800	354.700	7950.30	687.20	703.69	127.64	721737.77	525156.41	32°26'32.505"N	103°44'54.794"W	13.90	
8252.00	75.300	355.500	7958.82	717.00	733.39	125.10	721735.23	525186.10	32°26'32.799"N	103°44'54.822"W	8.44	
8284.00	78.100	356.400	7966.18	748.13	764.45	122.90	721733.03	525217.16	32°26'33.107"N	103°44'54.845"W	9.17	
8315.00	80.600	358.100	7971.91	778.55	794.87	121.44	721731.57	525247.59	32°26'33.408"N	103°44'54.860"W	9.70	
8347.00	83.400	359.700	7976.36	810.12	826.55	120.83	721730.96	525279.27	32°26'33.721"N	103°44'54.865"W	10.05	
8441.00	90.500	1.500	7981.36	903.34	920.35	121.82	721731.95	525373.06	32°26'34.649"N	103°44'54.848"W	7.79	
8536.00	92.900	2.100	7978.54	997.46	1015.25	124.80	721734.93	525467.96	32°26'35.588"N	103°44'54.807"W	2.60	
8630.00	91.500	359.900	7974.94	1090.72	1109.16	126.44	721736.57	525561.86	32°26'36.517"N	103°44'54.782"W	2.77	
8725.00	89.700	355.700	7973.94	1185.51	1204.06	122.79	721732.93	525656.75	32°26'37.456"N	103°44'54.818"W	4.81	
8820.00	91.600	353.800	7972.86	1280.49	1298.65	114.10	721724.24	525751.34	32°26'38.393"N	103°44'54.914"W	2.83	
8914.00	90.900	352.400	7970.81	1374.44	1391.94	102.81	721712.95	525844.62	32°26'39.317"N	103°44'55.040"W	1.66	
9009.00	88.600	352.000	7971.23	1469.38	1486.06	89.92	721700.05	525938.73	32°26'40.249"N	103°44'55.184"W	2.46	
9103.00	90.300	352.000	7972.13	1563.30	1579.13	76.84	721686.97	526031.81	32°26'41.170"N	103°44'55.331"W	1.81	
9198.00	90.100	350.600	7971.80	1658.18	1673.04	62.47	721672.61	526125.70	32°26'42.100"N	103°44'55.492"W	1.49	
9292.00	89.300	352.300	7972.29	1752.06	1765.99	48.49	721658.63	526218.65	32°26'43.021"N	103°44'55.650"W	2.00	
9387.00	91.500	352.900	7971.63	1847.02	1860.19	36.26	721646.40	526312.84	32°26'43.953"N	103°44'55.786"W	2.40	
9482.00	91.500	354.100	7969.14	1941.97	1954.54	25.51	721635.65	526407.19	32°26'44.888"N	103°44'55.906"W	1.26	
9576.00	91.400	352.400	7966.76	2035.93	2047.86	14.47	721624.60	526500.50	32°26'45.811"N	103°44'56.029"W	1.81	
9671.00	90.600	351.900	7965.10	2130.85	2141.95	1.49	721611.63	526594.59	32°26'46.743"N	103°44'56.174"W	0.99	
9765.00	91.300	352.900	7963.54	2224.79	2235.11	-10.94	721599.20	526687.75	32°26'47.666"N	103°44'56.313"W	1.30	
9860.00	90.100	352.900	7962.38	2319.76	2329.37	-22.68	721587.46	526782.00	32°26'48.599"N	103°44'56.444"W	1.26	
9954.00	90.500	353.300	7961.89	2413.74	2422.69	-33.97	721576.17	526875.32	32°26'49.523"N	103°44'56.570"W	0.60	
10049.00	89.700	353.900	7961.72	2508.73	2517.10	-44.56	721565.58	526969.72	32°26'50.458"N	103°44'56.687"W	1.05	
10144.00	89.100	353.400	7962.72	2603.72	2611.51	-55.07	721555.08	527064.12	32°26'51.392"N	103°44'56.804"W	0.82	
10238.00	91.400	353.500	7962.31	2697.70	2704.89	-65.79	721544.35	527157.50	32°26'52.317"N	103°44'56.923"W	2.45	
10333.00	89.800	351.700	7961.31	2792.66	2799.09	-78.02	721532.12	527251.69	32°26'53.250"N	103°44'57.060"W	2.53	
10427.00	89.400	352.000	7961.97	2886.57	2892.13	-91.35	721518.80	527344.73	32°26'54.171"N	103°44'57.209"W	0.53	
10522.00	90.500	353.100	7962.05	2981.53	2986.33	-103.67	721506.48	527438.92	32°26'55.104"N	103°44'57.347"W	1.64	
10616.00	91.000	352.700	7960.82	3075.50	3079.60	-115.28	721494.86	527532.19	32°26'56.027"N	103°44'57.477"W	0.68	
10711.00	90.800	351.600	7959.33	3170.42	3173.70	-128.26	721481.89	527626.28	32°26'56.959"N	103°44'57.622"W	1.18	
10806.00	88.900	352.200	7959.58	3265.34	3267.74	-141.64	721468.51	527720.32	32°26'57.890"N	103°44'57.772"W	2.10	
10900.00	90.400	352.500	7960.15	3359.29	3360.90	-154.16	721455.99	527813.48	32°26'58.813"N	103°44'57.912"W	1.63	
10995.00	90.600	354.600	7959.33	3454.27	3455.29	-164.83	721445.32	527907.86	32°26'59.747"N	103°44'58.031"W	2.22	
11090.00	89.400	354.000	7959.33	3549.27	3549.82	-174.26	721435.89	528002.38	32°27'00.683"N	103°44'58.135"W	1.41	
11184.00	87.800	352.100	7961.62	3643.22	3643.09	-185.63	721424.52	528095.65	32°27'01.607"N	103°44'58.262"W	2.64	



Actual Wellpath Report

No.2H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.2H SHL
Area	Eddy County, NM	Well	No.2H
Field	(Shaqtus) Sec 35, T21S, R31E	Wellbore	No.2H AWB
Facility	Shaqtus 26 State Com No.2H		

WELLPATH DATA (157 stations)

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	DLS [°/100ft]	Comments
11279.00	88.800	351.700	7964.44	3738.10	3737.10	-199.01	721411.14	528189.66	32°27'02.537"N	103°44'58.412"W	1.13	
11373.00	91.200	351.500	7964.44	3831.99	3830.09	-212.74	721397.41	528282.64	32°27'03.458"N	103°44'58.566"W	2.56	
11468.00	90.500	351.700	7963.03	3926.88	3924.06	-226.62	721383.54	528376.60	32°27'04.389"N	103°44'58.722"W	0.77	
11563.00	90.000	350.200	7962.62	4021.73	4017.87	-241.56	721368.59	528470.41	32°27'05.318"N	103°44'58.891"W	1.66	
11657.00	91.200	349.100	7961.63	4115.42	4110.33	-258.45	721351.71	528562.87	32°27'06.234"N	103°44'59.082"W	1.73	
11752.00	90.900	349.100	7959.89	4210.03	4203.60	-276.41	721333.75	528656.13	32°27'07.158"N	103°44'59.285"W	0.32	
11847.00	90.000	349.300	7959.14	4304.66	4296.92	-294.21	721315.95	528749.44	32°27'08.082"N	103°44'59.487"W	0.97	
11941.00	90.300	348.700	7958.90	4398.27	4389.19	-312.14	721298.01	528841.71	32°27'08.996"N	103°44'59.691"W	0.71	
12036.00	90.200	347.500	7958.48	4492.73	4482.15	-331.73	721278.43	528934.66	32°27'09.917"N	103°44'59.913"W	1.27	
12130.00	91.700	346.700	7956.93	4586.00	4573.76	-352.71	721257.45	529026.26	32°27'10.824"N	103°45'00.152"W	1.81	
12225.00	91.500	346.200	7954.27	4680.09	4666.08	-374.96	721235.20	529118.58	32°27'11.739"N	103°45'00.406"W	0.57	
12319.00	92.000	346.200	7951.40	4773.13	4757.32	-397.38	721212.79	529209.82	32°27'12.643"N	103°45'00.662"W	0.53	
12414.00	90.800	347.700	7949.08	4867.34	4849.84	-418.82	721191.34	529302.33	32°27'13.559"N	103°45'00.906"W	2.02	
12509.00	89.700	348.000	7948.67	4961.75	4942.71	-438.81	721171.35	529395.19	32°27'14.479"N	103°45'01.133"W	1.20	
12603.00	89.300	348.700	7949.49	5055.26	5034.76	-457.79	721152.37	529487.24	32°27'15.391"N	103°45'01.349"W	0.86	
12698.00	90.900	350.100	7949.32	5149.92	5128.14	-475.27	721134.90	529580.61	32°27'16.316"N	103°45'01.547"W	2.24	
12793.00	90.300	350.800	7948.33	5244.71	5221.81	-491.03	721119.14	529674.28	32°27'17.244"N	103°45'01.725"W	0.97	
12887.00	88.800	350.800	7949.06	5338.54	5314.60	-506.06	721104.11	529767.06	32°27'18.163"N	103°45'01.895"W	1.60	
12982.00	89.000	350.900	7950.89	5433.36	5408.37	-521.16	721089.01	529860.83	32°27'19.092"N	103°45'02.065"W	0.24	
13076.00	89.000	351.700	7952.53	5527.22	5501.28	-535.38	721074.79	529953.73	32°27'20.012"N	103°45'02.225"W	0.85	
13148.00	91.300	351.900	7952.34	5599.15	5572.54	-545.65	721064.53	530024.99	32°27'20.717"N	103°45'02.340"W	3.21	
13210.00	91.300	351.900	7950.93	5661.09	5633.90	-554.38	721055.79	530086.35	32°27'21.325"N	103°45'02.438"W	0.00	Proj to Bit

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.2H PBHL (Rev-0)		7953.00	5632.19	-571.70	721038.47	530084.64	32°27'21.309"N	103°45'02.640"W	rectangle
Offset 300'		8005.00	3981.71	-560.79	721049.38	528434.25	32°27'04.977"N	103°45'02.618"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.2H AWB Ref Wellpath: No.2H AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
0.00	7200.00	Generic gyro - northseeking (Standard)	VES Gyro <100-7200>	No.2H AWB
7200.00	13210.00	NaviTrak (Standard)	BHI MWD NaviTrak <7212-13210>	No.2H AWB

Stimulations Summary

District	County			Field Name			Project Group			State/Province					
PERMIAN BASIN	EDDY			LOST TANK			PB NEW MEXICO			NM					
Surface Legal Location		API/UWI		Latitude (DMS)		Longitude (DMS)		Ground Elev		KB - GL (ft)		Orig KB Elev (ft)		TH Elev (ft)	
SEC35 T21S R31E		3001539896		32° 26' 25.549" N		103° 44' 56.328" ...		3,514 80		25.00		3,539 80			
HYDRAULIC FRAC, 5/23/2012 09:04, DELAWARE, OH, 12,733.0 ftKB - 13,200.0 ftKB, BHI, OTTAWA 320354 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	5663.60	133.0	1,412.0	2,674.0	1,412.0	5,770.0	78		6,912.0	78		4.00			
HYDRAULIC FRAC, 5/23/2012 17:09, DELAWARE, OH, 12,036.0 ftKB - 12,503.0 ftKB, BHI, OTTAWA 319850 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	5387.20	0.0	1,274.0	3,907.0	1,274.0	5,174.0	80		6,221.0	80		4.00			
HYDRAULIC FRAC, 5/23/2012 20:54, DELAWARE, OH, 11,339.0 ftKB - 11,806.0 ftKB, BHI, OTTAWA 321558 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	5324.10	0.0	1,363.0	3,740.0	1,363.0	5,128.0	80		6,571.0	80		4.00			
HYDRAULIC FRAC, 5/24/2012 09:58, DELAWARE, OH, 10,642.0 ftKB - 11,108.0 ftKB, BHI, OTTAWA 321734 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	5293.00	0.0	1,378.0	4,245.0	1,378.0	5,135.0	80		7,231.0	80		4.00			
HYDRAULIC FRAC, 5/24/2012 12:51, DELAWARE, OH, 9,944.0 ftKB - 10,411.0 ftKB, BHI, OTTAWA 318414 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	5251.10	0.0	1,352.0	3,611.0	1,352.0	4,887.0	80		6,326.0	80		4.00			
HYDRAULIC FRAC, 5/24/2012 15:35, DELAWARE, OH, 9,247.0 ftKB - 9,714.0 ftKB, BHI, OTTAWA 323176 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	5257.30	0.0	1,319.0	3,699.0	1,319.0	4,853.0	80		6,330.0	80		4.00			
HYDRAULIC FRAC, 5/24/2012 20:08, DELAWARE, OH, 8,551.0 ftKB - 9,017.0 ftKB, BHI, OTTAWA 427593 LBS															
Proppant De	V (pumped) (bbl)	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P(break) (psi)	ISIP (psi)	P (avg) (psi)	Rate (avg) (bbl/m)		P (max) (psi)	Rate (max) (bbl/m)		Max Conc			
310,625.0	6170.40	0.0	1,250.0	3,954.0	1,250.0	4,450.0	80		6,625.0	80		4.00			