

Results of Directional Survey

API number:	30-025-40987		
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP
		Property:	BILBREY BASIN 5 STATE COM # 1H

surface	ULSTR:	N	05	T 22S	R 32E
				790 FSL	1520 FWL

BH Loc	ULSTR:	N	04	T 22S	R 32E
16227	MD	10559.7	TVD	724 FSL	2323 FWL
					7603 FWL

Top Perf/OH	ULSTR:	N	05	T 22S	R 32E
10700	MD	10520.4	TVD	800 FSL	2083 FWL

Bot Perf/OH	ULSTR:	N	04	T 22S	R 32E
16048	MD	10562.5	TVD	731 FSL	2145 FWL
					7425 FWL

	MD	N/S	E/W	VD
	10692	9.82	555.43	10517.74
TOP PERFS/OH	10700	10.13	562.98	10520.37
	10723	11.03	584.68	10527.93
	15972	-55.25	5828.69	10561.39
BOT PERFS/OH	16048	-58.76	5904.60	10562.45
	16066	-59.59	5922.58	10562.70

NEXT TO LAST	16159	-63.49	6015.49	10561.57
LAST READING	16227	-66.10	6083.41	10559.67
TD	16227	-66.10	6083.41	10559.67

Surface Location	790	FS	1520	FW
Projected BHL	724	FS	7603	FW
Location of				
Top Perfs/OH	800	FS	2083	FW
Bottom Perfs/OH	731	FS	7425	FW

SUMMARY of Subsurface Locations

Surface Location	N-05-22S-32E	790	FS	1520	FW	Vert. Depth
Top Perfs/OH	N-05-22S-32E	800	FS	2083	FW	10520.37
Bottom Perfs/OH	N-04-22S-32E	731	FS	7425	FW	10562.45
Projected TD	N-04-22S-32E	724	FS	7603	FW	10559.67

OCT 22 2013



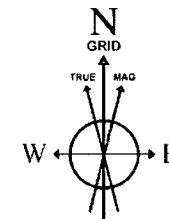
Devon Energy

Location: Lea County, New Mexico
Field: (Bilbry Basin) 5 State Com Sec. 5, T22S, R32E
Facility: Bilbry Basin 5 State Com 1H

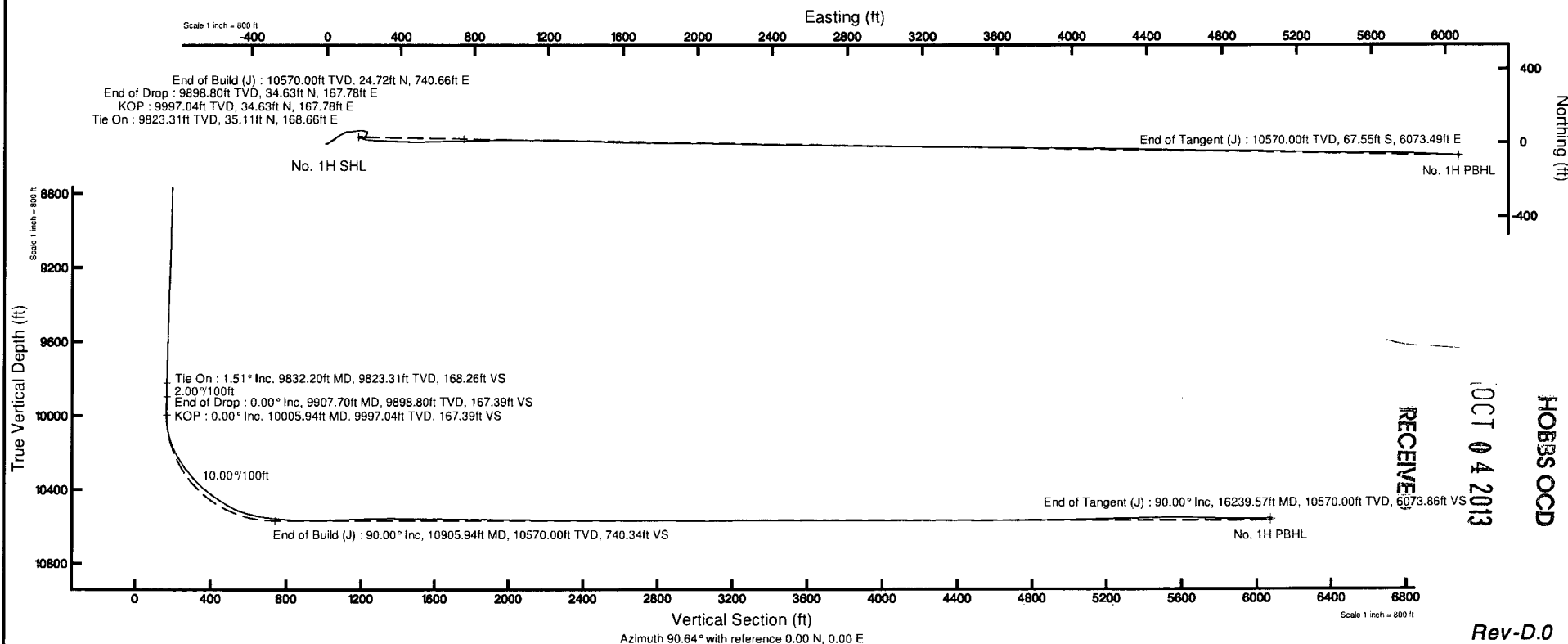
Slot: No. 1H SHL
Well: No. 1H
Wellbore: No. 1H PWB



Well Profile Data							
Design Comment	MD (ft)	Inc. (°)	Az. (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (ft/100ft)
Tie On	9832.20	1.510	241.540	9823.31	35.11	168.65	0.00
End of Drop	9907.70	0.000	90.991	9898.80	34.63	167.78	2.00
KOP	10005.94	0.000	90.991	9997.04	34.63	167.78	0.00
End of Build (J)	10905.94	90.000	90.991	10570.00	24.72	740.65	10.00
End of Tangent (J)	16239.57	90.000	90.991	10570.00	-67.55	6073.49	0.00
Plot reference wellbore is Rev 0.0							
True vertical depths are referenced to Pig on No. 1H SHL (KOP)				Grid System: NAD83 / TM New Mexico SP, Eastern Zone (2011 US feet)			
Measured depths are referenced to Pig on No. 1H SHL (KOP)				North Reference: Grid north			
Tie on No. 1H SHL (KOP) to Mean Sea Level (MSL)				Scale: True distance			
Mean Sea Level to MSL line (KOP) No. 1H SHL (KOP) - 3654.8 feet				Depth: as in feet			
Coordinates are in feet referenced to MSL				Created by: gfb/col on 14 Jul 2013			



BGGM (1945.0 to 2014.0) Dip: 63.83° Field: 50795.3 nT
Magnetic North is 4.49 degrees East of True North (at 07/Jun/2013)
Grid North is 0.34 degrees East of True North
To correct azimuth from True to Grid subtract 0.34 degrees
To correct azimuth from Magnetic to Grid add 4.15 degrees
For example: if the Magnetic North Azimuth = 90 degs, then the Grid North Azimuth = 90 + 4.15 = 94.15





Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No. 1H SHL
Area	Lea County, New Mexico	Well	No. 1H
Field	(Bilbry Basin) 5 State Com Sec. 5, T22S, R32E	Wellbore	No.1H AWB
Facility	Bilbry Basin 5 State Com 1H	Sidetrack from	No. 1H AWB (Pilot) at 9832.20 MD

REPORT SETUP INFORMATION

Projection System	NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 3.0.0
North Reference	Grid	User	Gentbry
Scale	0.999953	Report Generated	07/30/2013 at 9:31:38 AM
Convergence at slot	0.34° East	Database/Source file	WA Midland/No.1H_AWB.xml

WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	736633.03	515482.41	32°24'55.939"N	103°42'01.649"W
Facility Reference Pt			736633.03	515482.41	32°24'55.939"N	103°42'01.649"W
Field Reference Pt			736632.87	515482.38	32°24'55.939"N	103°42'01.651"W

WELLPATH DATUM

Calculation method	Minimum curvature	Rig on No. 1H SHL (KB) to Facility Vertical Datum	25.00ft
Horizontal Reference Pt	Slot	Rig on No. 1H SHL (KB) to Mean Sea Level	3689.30ft
Vertical Reference Pt	Rig on No. 1H SHL (KB)	Rig on No. 1H SHL (KB) to Mud Line at Slot (No. 1H SHL)	25.00ft
MD Reference Pt	Rig on No. 1H SHL (KB)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	90.64°



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Field	(Bilbry Basin) 5 State Com Sec. 5, T22S, R32E	Wellbore	No.1H AWB
Facility	Bilbry Basin 5 State Com 1H	Sidetrack from	No. 1H AWB (Pilot) at 9832.20 MD

WELLPATH DATA (195 stations) † = interpolated/extrapolated station

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	237.480	0.00	0.00	0.00	0.00	736633.03	515482.41	32°24'55.939"N	103°42'01.649"W	0.00	
25.00	0.000	237.480	25.00	0.00	0.00	0.00	736633.03	515482.41	32°24'55.939"N	103°42'01.649"W	0.00	
100.00	0.590	237.480	100.00	-0.32	-0.21	-0.33	736632.70	515482.20	32°24'55.937"N	103°42'01.653"W	0.79	
200.00	0.660	243.520	199.99	-1.27	-0.74	-1.28	736631.75	515481.67	32°24'55.932"N	103°42'01.664"W	0.10	
300.00	0.500	241.250	299.99	-2.16	-1.21	-2.17	736630.86	515481.20	32°24'55.927"N	103°42'01.675"W	0.16	
388.20	0.540	273.680	388.18	-2.91	-1.37	-2.93	736630.10	515481.04	32°24'55.926"N	103°42'01.683"W	0.33	
482.60	0.500	276.970	482.58	-3.76	-1.29	-3.78	736629.25	515481.12	32°24'55.927"N	103°42'01.693"W	0.05	
577.00	0.520	285.890	576.98	-4.59	-1.12	-4.60	736628.43	515481.29	32°24'55.928"N	103°42'01.703"W	0.09	
671.50	0.540	303.030	671.47	-5.38	-0.76	-5.38	736627.65	515481.65	32°24'55.932"N	103°42'01.712"W	0.17	
765.90	0.470	299.030	765.87	-6.09	-0.33	-6.10	736626.93	515482.08	32°24'55.936"N	103°42'01.720"W	0.08	
860.40	0.400	284.010	860.37	-6.75	-0.06	-6.76	736626.27	515482.35	32°24'55.939"N	103°42'01.728"W	0.14	
954.80	0.480	277.490	954.76	-7.47	0.07	-7.47	736625.56	515482.48	32°24'55.940"N	103°42'01.736"W	0.10	
1049.20	0.480	270.530	1049.16	-8.26	0.12	-8.25	736624.78	515482.53	32°24'55.941"N	103°42'01.745"W	0.06	
1143.70	0.510	271.660	1143.66	-9.07	0.14	-9.07	736623.96	515482.55	32°24'55.941"N	103°42'01.755"W	0.03	
1238.10	0.470	263.500	1238.05	-9.88	0.11	-9.88	736623.16	515482.52	32°24'55.941"N	103°42'01.764"W	0.09	
1332.60	0.380	242.200	1332.55	-10.54	-0.08	-10.54	736622.49	515482.33	32°24'55.939"N	103°42'01.772"W	0.19	
1427.00	0.280	228.620	1426.95	-10.98	-0.38	-10.99	736622.04	515482.03	32°24'55.936"N	103°42'01.777"W	0.13	
1521.40	0.190	219.330	1521.35	-11.25	-0.65	-11.26	736621.77	515481.76	32°24'55.934"N	103°42'01.780"W	0.10	
1615.90	0.140	199.760	1615.85	-11.39	-0.88	-11.40	736621.63	515481.53	32°24'55.931"N	103°42'01.782"W	0.08	
1710.30	0.150	159.230	1710.25	-11.38	-1.11	-11.39	736621.64	515481.30	32°24'55.929"N	103°42'01.782"W	0.11	
1804.80	0.190	132.130	1804.75	-11.22	-1.33	-11.23	736621.80	515481.08	32°24'55.927"N	103°42'01.780"W	0.09	
1899.20	0.320	106.620	1899.15	-10.85	-1.51	-10.86	736622.17	515480.90	32°24'55.925"N	103°42'01.776"W	0.18	
1993.60	0.440	98.030	1993.54	-10.23	-1.63	-10.25	736622.78	515480.78	32°24'55.924"N	103°42'01.769"W	0.14	
2088.10	0.680	84.110	2088.04	-9.32	-1.63	-9.34	736623.69	515480.78	32°24'55.924"N	103°42'01.758"W	0.29	
2182.50	0.920	72.710	2182.43	-8.04	-1.34	-8.06	736624.98	515481.07	32°24'55.926"N	103°42'01.743"W	0.30	
2277.00	1.130	71.840	2276.92	-6.44	-0.83	-6.45	736626.58	515481.58	32°24'55.931"N	103°42'01.724"W	0.22	
2371.40	1.550	68.530	2371.29	-4.37	-0.07	-4.37	736628.66	515482.34	32°24'55.939"N	103°42'01.700"W	0.45	
2465.80	1.910	66.100	2465.65	-1.76	1.03	-1.75	736631.28	515483.44	32°24'55.950"N	103°42'01.669"W	0.39	
2560.30	2.190	64.570	2560.09	1.30	2.45	1.32	736634.35	515484.86	32°24'55.963"N	103°42'01.633"W	0.30	
2654.70	2.820	61.120	2654.39	4.94	4.34	4.99	736638.02	515486.75	32°24'55.982"N	103°42'01.591"W	0.69	
2749.20	3.560	58.350	2748.75	9.44	7.00	9.52	736642.55	515489.41	32°24'56.008"N	103°42'01.538"W	0.80	
2843.60	4.150	56.250	2842.93	14.74	10.44	14.85	736647.88	515492.85	32°24'56.042"N	103°42'01.475"W	0.64	
2938.00	4.120	56.960	2937.09	20.38	14.19	20.54	736653.57	515496.60	32°24'56.078"N	103°42'01.409"W	0.06	
3032.50	3.820	55.810	3031.36	25.79	17.81	25.99	736659.02	515500.22	32°24'56.114"N	103°42'01.345"W	0.33	
3126.90	3.830	54.470	3125.55	30.91	21.41	31.15	736664.18	515503.81	32°24'56.149"N	103°42'01.284"W	0.10	
3221.40	3.530	54.290	3219.86	35.81	24.94	36.08	736669.11	515507.35	32°24'56.184"N	103°42'01.226"W	0.32	
3315.80	3.760	55.840	3314.07	40.69	28.37	41.01	736674.03	515510.78	32°24'56.218"N	103°42'01.169"W	0.27	
3410.20	4.840	54.940	3408.20	46.46	32.40	46.83	736679.85	515514.81	32°24'56.257"N	103°42'01.101"W	1.15	
3504.70	5.930	56.190	3502.28	53.73	37.40	54.15	736687.17	515519.81	32°24'56.306"N	103°42'01.015"W	1.16	
3599.10	6.190	58.260	3596.15	62.05	42.80	62.53	736695.55	515525.20	32°24'56.359"N	103°42'00.917"W	0.36	
3693.60	5.790	58.730	3690.14	70.40	47.95	70.93	736703.96	515530.36	32°24'56.410"N	103°42'00.818"W	0.43	
3788.00	5.050	59.480	3784.11	77.99	52.53	78.58	736711.61	515534.94	32°24'56.454"N	103°42'00.729"W	0.79	
3882.40	4.580	60.710	3878.18	84.82	56.49	85.45	736718.47	515538.89	32°24'56.493"N	103°42'00.648"W	0.51	
3976.90	4.310	67.640	3972.40	91.35	59.68	92.02	736725.05	515542.09	32°24'56.524"N	103°42'00.572"W	0.64	
4071.30	4.470	76.070	4066.52	98.18	61.92	98.87	736731.90	515544.32	32°24'56.546"N	103°42'00.491"W	0.70	



Actual Wellpath Report

No.1H AWP

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Area	Lea County, New Mexico	Well	No. 1H
Field	(Bilbry Basin) 5 State Com Sec. 5, T22S, R32E	Wellbore	No.1H AWB
Facility	Bilbry Basin 5 State Com 1H	Sidetrack from	No. 1H AWB (Pilot) at 9832.20 MD

WELLPATH DATA (195 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
4165.80	4.630	83.130	4160.72	105.53	63.26	106.24	736739.26	515545.67	32°24'56.559"N	103°42'00.405"W	0.62	
4260.20	4.870	86.760	4254.80	113.30	63.94	114.02	736747.04	515546.35	32°24'56.565"N	103°42'00.315"W	0.41	
4354.60	4.530	85.410	4348.88	121.01	64.47	121.74	736754.76	515546.87	32°24'56.570"N	103°42'00.225"W	0.38	
4449.10	4.130	84.650	4443.11	128.11	65.08	128.84	736761.87	515547.49	32°24'56.576"N	103°42'00.142"W	0.43	
4543.50	3.770	84.040	4537.29	134.58	65.72	135.31	736768.34	515548.13	32°24'56.582"N	103°42'00.066"W	0.38	
4638.00	3.370	83.470	4631.60	140.42	66.36	141.16	736774.19	515548.77	32°24'56.588"N	103°42'00.000"W	0.42	
4732.40	3.060	80.960	4725.85	145.65	67.07	146.41	736779.43	515549.48	32°24'56.594"N	103°41'59.937"W	0.36	
4826.80	3.200	80.620	4820.11	150.73	67.90	151.50	736784.52	515550.30	32°24'56.602"N	103°41'59.877"W	0.15	
4921.30	3.070	80.890	4914.47	155.82	68.73	156.60	736789.62	515551.13	32°24'56.610"N	103°41'59.818"W	0.14	
5015.70	3.390	80.210	5008.72	161.06	69.60	161.84	736794.87	515552.01	32°24'56.619"N	103°41'59.756"W	0.34	
5110.20	3.110	85.510	5103.07	166.36	70.28	167.15	736800.18	515552.69	32°24'56.625"N	103°41'59.694"W	0.43	
5204.60	2.860	87.850	5197.34	171.26	70.57	172.06	736805.08	515552.97	32°24'56.627"N	103°41'59.637"W	0.29	
5299.00	2.940	88.850	5291.62	176.04	70.70	176.83	736809.85	515553.11	32°24'56.629"N	103°41'59.581"W	0.10	
5393.50	2.610	90.820	5386.01	180.61	70.72	181.41	736814.43	515553.13	32°24'56.628"N	103°41'59.528"W	0.36	
5487.90	2.310	91.340	5480.32	184.66	70.65	185.46	736818.48	515553.05	32°24'56.627"N	103°41'59.481"W	0.32	
5582.40	2.190	94.620	5574.75	188.37	70.46	189.16	736822.18	515552.86	32°24'56.625"N	103°41'59.438"W	0.19	
5676.80	1.970	99.530	5669.09	191.77	70.04	192.56	736825.58	515552.45	32°24'56.621"N	103°41'59.398"W	0.30	
5771.20	1.960	100.970	5763.43	194.96	69.47	195.75	736828.77	515551.87	32°24'56.615"N	103°41'59.361"W	0.05	
5865.70	1.900	100.140	5857.88	198.10	68.88	198.87	736831.89	515551.29	32°24'56.609"N	103°41'59.324"W	0.07	
5960.10	1.680	99.460	5952.23	201.01	68.38	201.78	736834.80	515550.79	32°24'56.604"N	103°41'59.291"W	0.23	
6054.60	1.490	99.260	6046.70	203.59	67.96	204.36	736837.38	515550.36	32°24'56.600"N	103°41'59.261"W	0.20	
6149.00	1.400	99.620	6141.07	205.94	67.57	206.71	736839.73	515549.97	32°24'56.596"N	103°41'59.233"W	0.10	
6243.40	1.230	102.210	6235.44	208.07	67.16	208.83	736841.85	515549.57	32°24'56.592"N	103°41'59.208"W	0.19	
6337.90	1.090	117.630	6329.92	209.87	66.53	210.62	736843.64	515548.93	32°24'56.585"N	103°41'59.188"W	0.36	
6432.30	1.150	131.780	6424.31	211.38	65.48	212.12	736845.14	515547.89	32°24'56.575"N	103°41'59.170"W	0.30	
6526.80	1.210	132.380	6518.79	212.84	64.18	213.57	736846.59	515546.58	32°24'56.562"N	103°41'59.153"W	0.06	
6621.20	1.030	133.730	6613.17	214.20	62.92	214.92	736847.94	515545.32	32°24'56.549"N	103°41'59.138"W	0.19	
6715.60	0.820	136.130	6707.55	215.30	61.84	216.00	736849.02	515544.25	32°24'56.539"N	103°41'59.125"W	0.23	
6810.10	0.610	144.640	6802.05	216.07	60.95	216.76	736849.78	515543.35	32°24'56.530"N	103°41'59.116"W	0.25	
6904.50	0.590	169.150	6896.44	216.46	60.06	217.14	736850.16	515542.47	32°24'56.521"N	103°41'59.112"W	0.27	
6999.00	0.730	190.860	6990.94	216.45	58.99	217.12	736850.14	515541.40	32°24'56.510"N	103°41'59.112"W	0.30	
7093.40	0.820	203.240	7085.33	216.08	57.78	216.74	736849.76	515540.19	32°24'56.498"N	103°41'59.117"W	0.20	
7187.80	1.130	207.040	7179.71	215.41	56.33	216.05	736849.07	515538.74	32°24'56.484"N	103°41'59.125"W	0.34	
7282.30	1.240	210.270	7274.19	214.49	54.62	215.11	736848.13	515537.02	32°24'56.467"N	103°41'59.136"W	0.14	
7376.70	1.560	206.130	7368.57	213.43	52.58	214.03	736847.05	515534.99	32°24'56.447"N	103°41'59.149"W	0.36	
7471.20	1.570	206.160	7463.03	212.32	50.26	212.89	736845.91	515532.67	32°24'56.424"N	103°41'59.162"W	0.01	
7565.60	1.560	206.430	7557.39	211.20	47.95	211.75	736844.77	515530.36	32°24'56.401"N	103°41'59.176"W	0.01	
7660.00	1.350	203.580	7651.76	210.21	45.78	210.73	736843.75	515528.19	32°24'56.380"N	103°41'59.188"W	0.24	
7754.50	1.170	206.910	7746.24	209.35	43.90	209.85	736842.87	515526.31	32°24'56.361"N	103°41'59.198"W	0.21	
7848.90	1.140	209.130	7840.62	208.48	42.22	208.96	736841.98	515524.63	32°24'56.345"N	103°41'59.209"W	0.06	
7943.40	1.020	208.530	7935.11	207.63	40.66	208.10	736841.12	515523.07	32°24'56.329"N	103°41'59.219"W	0.13	
8037.80	0.950	210.050	8029.49	206.86	39.25	207.31	736840.33	515521.65	32°24'56.315"N	103°41'59.228"W	0.08	
8132.20	0.920	209.330	8123.88	206.11	37.91	206.54	736839.56	515520.32	32°24'56.302"N	103°41'59.237"W	0.03	
8226.70	1.040	217.570	8218.37	205.23	36.57	205.65	736838.67	515518.97	32°24'56.289"N	103°41'59.248"W	0.20	
8321.10	1.190	231.760	8312.75	203.95	35.28	204.36	736837.38	515517.69	32°24'56.276"N	103°41'59.263"W	0.33	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No. 1H SHL
Area	Lea County, New Mexico	Well	No. 1H
Field	(Bilbry Basin) 5 State Com Sec. 5, T22S, R32E	Wellbore	No.1H AWB
Facility	Bilbry Basin 5 State Com 1H	Sidetrack from	No. 1H AWB (Pilot) at 9832.20 MD

WELLPATH DATA (195 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
8415.60	1.090	244.610	8407.23	202.38	34.29	202.77	736835.79	515516.70	32°24'56.267"N	103°41'59.281"W	0.29	
8510.00	1.160	246.870	8501.61	200.70	33.53	201.08	736834.10	515515.94	32°24'56.259"N	103°41'59.301"W	0.09	
8604.40	1.030	247.330	8595.99	199.04	32.82	199.42	736832.44	515515.23	32°24'56.252"N	103°41'59.321"W	0.14	
8698.90	0.930	262.640	8690.48	197.50	32.40	197.88	736830.90	515514.81	32°24'56.248"N	103°41'59.339"W	0.30	
8793.30	1.000	274.100	8784.87	195.92	32.36	196.30	736829.32	515514.77	32°24'56.248"N	103°41'59.357"W	0.22	
8887.80	1.420	288.120	8879.35	193.98	32.78	194.36	736827.38	515515.19	32°24'56.252"N	103°41'59.380"W	0.54	
8982.20	2.080	310.470	8973.70	191.55	34.26	191.95	736824.97	515516.67	32°24'56.267"N	103°41'59.408"W	0.99	
9076.60	1.520	311.990	9068.06	189.30	36.21	189.71	736822.73	515518.62	32°24'56.286"N	103°41'59.434"W	0.60	
9171.10	1.720	290.310	9162.52	187.02	37.54	187.45	736820.47	515519.95	32°24'56.300"N	103°41'59.460"W	0.68	
9265.50	2.040	281.250	9256.87	184.04	38.36	184.47	736817.49	515520.77	32°24'56.308"N	103°41'59.495"W	0.46	
9360.00	1.990	277.790	9351.31	180.75	38.91	181.20	736814.22	515521.32	32°24'56.314"N	103°41'59.533"W	0.14	
9454.40	1.470	271.770	9445.67	177.92	39.17	178.36	736811.38	515521.58	32°24'56.316"N	103°41'59.566"W	0.58	
9548.80	1.540	259.100	9540.03	175.46	38.97	175.91	736808.93	515521.37	32°24'56.315"N	103°41'59.594"W	0.36	
9643.30	1.720	240.210	9634.50	173.00	38.02	173.43	736806.45	515520.43	32°24'56.305"N	103°41'59.623"W	0.60	
9737.70	1.780	236.530	9728.85	170.56	36.51	170.98	736804.00	515518.92	32°24'56.291"N	103°41'59.652"W	0.13	
9832.20	1.510	241.540	9823.31	168.26	35.11	168.66	736801.68	515517.51	32°24'56.277"N	103°41'59.679"W	0.32	
9908.00	0.900	260.700	9899.10	166.80	34.53	167.19	736800.21	515516.94	32°24'56.271"N	103°41'59.696"W	0.95	
9939.00	1.200	272.700	9930.09	166.23	34.51	166.63	736799.65	515516.92	32°24'56.271"N	103°41'59.703"W	1.19	
9971.00	1.900	276.000	9962.08	165.37	34.58	165.77	736798.79	515516.99	32°24'56.272"N	103°41'59.713"W	2.20	
10093.00	11.700	106.700	10083.35	175.29	31.22	175.65	736808.67	515513.63	32°24'56.238"N	103°41'59.598"W	11.12	
10125.00	15.400	104.800	10114.45	182.53	29.20	182.87	736815.89	515511.61	32°24'56.218"N	103°41'59.514"W	11.64	
10156.00	19.100	104.200	10144.05	191.46	26.91	191.77	736824.79	515509.32	32°24'56.194"N	103°41'59.410"W	11.95	
10188.00	23.100	101.900	10173.90	202.71	24.33	202.99	736836.01	515506.74	32°24'56.168"N	103°41'59.280"W	12.76	
10219.00	26.700	97.600	10202.02	215.59	22.15	215.85	736848.87	515504.56	32°24'56.146"N	103°41'59.130"W	12.99	
10251.00	30.300	96.300	10230.13	230.76	20.31	231.00	736864.02	515502.72	32°24'56.127"N	103°41'58.953"W	11.42	
10282.00	33.600	95.500	10256.43	247.10	18.63	247.32	736880.34	515501.04	32°24'56.109"N	103°41'58.763"W	10.73	
10314.00	35.900	94.200	10282.72	265.29	17.10	265.49	736898.51	515499.51	32°24'56.093"N	103°41'58.551"W	7.55	
10345.00	37.600	92.400	10307.56	283.81	16.04	284.01	736917.02	515498.45	32°24'56.081"N	103°41'58.335"W	6.49	
10377.00	39.700	91.700	10332.55	303.79	15.32	303.98	736936.99	515497.73	32°24'56.073"N	103°41'58.102"W	6.70	
10408.00	43.000	92.100	10355.82	324.26	14.64	324.45	736957.46	515497.05	32°24'56.065"N	103°41'57.863"W	10.68	
10440.00	46.100	92.600	10378.62	346.70	13.72	346.87	736979.89	515496.13	32°24'56.055"N	103°41'57.602"W	9.75	
10471.00	49.600	92.800	10399.42	369.66	12.64	369.83	737002.84	515495.05	32°24'56.043"N	103°41'57.334"W	11.30	
10503.00	52.500	92.800	10419.54	394.53	11.42	394.68	737027.69	515493.83	32°24'56.029"N	103°41'57.044"W	9.06	
10534.00	54.400	92.700	10438.00	419.41	10.23	419.55	737052.56	515492.64	32°24'56.016"N	103°41'56.754"W	6.13	
10566.00	55.800	92.000	10456.31	445.65	9.15	445.78	737078.78	515491.56	32°24'56.004"N	103°41'56.448"W	4.73	
10597.00	57.200	91.000	10473.42	471.49	8.48	471.62	737104.62	515490.89	32°24'55.996"N	103°41'56.147"W	5.26	
10629.00	59.600	89.000	10490.18	498.74	8.48	498.87	737131.87	515490.89	32°24'55.994"N	103°41'55.829"W	9.20	
10660.00	63.800	88.500	10504.88	526.02	9.08	526.15	737159.15	515491.49	32°24'55.998"N	103°41'55.511"W	13.62	
10692.00	68.800	88.600	10517.74	555.29	9.82	555.43	737188.43	515492.23	32°24'56.004"N	103°41'55.169"W	15.63	
10723.00	72.800	86.700	10527.93	584.52	11.03	584.68	737217.68	515493.44	32°24'56.014"N	103°41'54.828"W	14.14	
10754.00	75.800	87.600	10536.32	614.30	12.51	614.48	737247.48	515494.92	32°24'56.027"N	103°41'54.480"W	10.07	
10786.00	78.200	88.200	10543.51	645.44	13.65	645.63	737278.63	515496.06	32°24'56.036"N	103°41'54.117"W	7.72	
10817.00	80.000	88.900	10549.38	675.86	14.42	676.06	737309.06	515496.83	32°24'56.042"N	103°41'53.762"W	6.22	
10849.00	82.000	89.300	10554.38	707.46	14.92	707.66	737340.66	515497.33	32°24'56.045"N	103°41'53.393"W	6.37	
10880.00	83.900	89.200	10558.19	738.21	15.32	738.43	737371.42	515497.73	32°24'56.048"N	103°41'53.034"W	6.14	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No. 1H SHL
Area	Lea County, New Mexico	Well	No. 1H
Field	(Bilbry Basin) 5 State Com Sec. 5, T22S, R32E	Wellbore	No.1H AWB
Facility	Bilbry Basin 5 State Com 1H	Sidetrack from	No. 1H AWB (Pilot) at 9832.20 MD

WELLPATH DATA (195 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
10912.00	84.900	89.400	10561.31	770.05	15.71	770.27	737403.26	515498.12	32°24'56.050"N	103°41'52.663"W	3.19	
10932.00	85.400	88.400	10563.00	789.97	16.09	790.20	737423.19	515498.50	32°24'56.052"N	103°41'52.430"W	5.57	
10964.00	86.100	88.400	10565.37	821.86	16.98	822.09	737455.08	515499.39	32°24'56.059"N	103°41'52.058"W	2.19	
10995.00	87.800	88.900	10567.02	852.79	17.71	853.04	737486.03	515500.12	32°24'56.064"N	103°41'51.697"W	5.72	
11058.00	89.300	89.200	10568.62	915.75	18.76	916.01	737549.00	515501.16	32°24'56.071"N	103°41'50.963"W	2.43	
11153.00	92.100	89.800	10567.45	1010.71	19.58	1010.99	737643.97	515501.99	32°24'56.074"N	103°41'49.855"W	3.01	
11247.00	92.200	90.600	10563.93	1104.64	19.26	1104.92	737737.90	515501.67	32°24'56.065"N	103°41'48.759"W	0.86	
11342.00	91.500	90.900	10560.86	1199.59	18.01	1199.86	737832.83	515500.42	32°24'56.047"N	103°41'47.651"W	0.80	
11436.00	90.400	91.100	10559.30	1293.57	16.37	1293.84	737926.80	515498.78	32°24'56.025"N	103°41'46.555"W	1.19	
11530.00	89.900	92.100	10559.06	1387.56	13.75	1387.80	738020.76	515496.16	32°24'55.994"N	103°41'45.460"W	1.19	
11625.00	88.800	92.100	10560.13	1482.52	10.27	1482.73	738115.68	515492.68	32°24'55.954"N	103°41'44.352"W	1.16	
11719.00	89.800	91.800	10561.28	1576.49	7.07	1576.66	738209.61	515489.48	32°24'55.917"N	103°41'43.257"W	1.11	
11814.00	89.400	91.600	10561.95	1671.47	4.25	1671.62	738304.57	515486.66	32°24'55.883"N	103°41'42.149"W	0.47	
11908.00	89.500	90.700	10562.85	1765.46	2.36	1765.59	738398.54	515484.77	32°24'55.859"N	103°41'41.053"W	0.96	
12003.00	89.700	90.300	10563.51	1860.46	1.54	1860.59	738493.53	515483.95	32°24'55.845"N	103°41'39.945"W	0.47	
12097.00	88.500	90.400	10564.99	1954.44	0.96	1954.57	738587.51	515483.37	32°24'55.834"N	103°41'38.849"W	1.28	
12192.00	89.700	90.600	10566.48	2049.43	0.13	2049.56	738682.48	515482.54	32°24'55.820"N	103°41'37.741"W	1.28	
12286.00	89.400	90.900	10567.22	2143.42	-1.10	2143.54	738776.47	515481.31	32°24'55.802"N	103°41'36.645"W	0.45	
12380.00	89.900	91.600	10567.79	2237.42	-3.15	2237.52	738870.44	515479.26	32°24'55.776"N	103°41'35.549"W	0.92	
12475.00	90.000	91.300	10567.88	2332.41	-5.55	2332.49	738965.40	515476.86	32°24'55.747"N	103°41'34.441"W	0.33	
12569.00	89.300	91.300	10568.45	2426.40	-7.68	2426.46	739059.37	515474.73	32°24'55.720"N	103°41'33.345"W	0.74	
12664.00	89.200	90.800	10569.69	2521.39	-9.43	2521.44	739154.34	515472.98	32°24'55.697"N	103°41'32.237"W	0.54	
12758.00	88.900	90.500	10571.25	2615.37	-10.49	2615.42	739248.32	515471.92	32°24'55.681"N	103°41'31.141"W	0.45	
12853.00	90.200	90.200	10572.00	2710.37	-11.07	2710.41	739343.31	515471.34	32°24'55.670"N	103°41'30.033"W	1.40	
12947.00	90.100	91.300	10571.75	2804.37	-12.30	2804.40	739437.29	515470.11	32°24'55.652"N	103°41'28.937"W	1.18	
13041.00	89.300	90.500	10572.24	2898.36	-13.78	2898.39	739531.27	515468.63	32°24'55.632"N	103°41'27.840"W	1.20	
13136.00	89.200	90.600	10573.49	2993.35	-14.69	2993.38	739626.26	515467.72	32°24'55.617"N	103°41'26.732"W	0.15	
13230.00	90.500	90.800	10573.73	3087.35	-15.84	3087.37	739720.24	515466.57	32°24'55.600"N	103°41'25.636"W	1.40	
13325.00	90.800	91.000	10572.66	3182.34	-17.33	3182.35	739815.22	515465.08	32°24'55.580"N	103°41'24.528"W	0.38	
13419.00	90.000	90.700	10572.00	3276.34	-18.73	3276.33	739909.20	515463.69	32°24'55.560"N	103°41'23.432"W	0.91	
13513.00	90.500	90.600	10571.59	3370.34	-19.79	3370.33	740003.19	515462.62	32°24'55.544"N	103°41'22.336"W	0.54	
13608.00	90.400	90.800	10570.84	3465.34	-20.95	3465.32	740098.18	515461.46	32°24'55.527"N	103°41'21.228"W	0.24	
13702.00	89.600	90.700	10570.84	3559.33	-22.18	3559.31	740192.16	515460.23	32°24'55.509"N	103°41'20.131"W	0.86	
13797.00	89.300	90.600	10571.76	3654.33	-23.26	3654.30	740287.15	515459.15	32°24'55.493"N	103°41'19.023"W	0.33	
13891.00	90.500	90.800	10571.92	3748.33	-24.41	3748.29	740381.13	515458.00	32°24'55.476"N	103°41'17.927"W	1.29	
13986.00	90.200	90.300	10571.34	3843.33	-25.32	3843.28	740476.12	515457.09	32°24'55.461"N	103°41'16.819"W	0.61	
14080.00	89.700	91.100	10571.42	3937.32	-26.47	3937.27	740570.11	515455.94	32°24'55.444"N	103°41'15.723"W	1.00	
14175.00	90.300	90.600	10571.42	4032.32	-27.88	4032.26	740665.09	515454.53	32°24'55.425"N	103°41'14.615"W	0.82	
14269.00	89.600	90.700	10571.50	4126.32	-28.94	4126.26	740759.08	515453.47	32°24'55.409"N	103°41'13.519"W	0.75	
14363.00	89.900	90.900	10571.91	4220.32	-30.26	4220.25	740853.07	515452.15	32°24'55.390"N	103°41'12.422"W	0.38	
14458.00	90.100	90.700	10571.91	4315.32	-31.58	4315.24	740948.05	515450.83	32°24'55.371"N	103°41'11.314"W	0.30	
14552.00	89.800	91.500	10572.00	4409.32	-33.39	4409.22	741042.03	515449.02	32°24'55.348"N	103°41'10.218"W	0.91	
14646.00	89.500	91.400	10572.57	4503.31	-35.77	4503.19	741135.99	515446.64	32°24'55.319"N	103°41'09.122"W	0.34	
14741.00	90.700	91.200	10572.40	4598.30	-37.92	4598.16	741230.96	515444.49	32°24'55.292"N	103°41'08.014"W	1.28	
14835.00	91.000	90.900	10571.01	4692.28	-39.64	4692.13	741324.93	515442.77	32°24'55.269"N	103°41'06.918"W	0.45	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION			
Operator	Devon Energy	Slot	No. 1H SHL
Area	Lea County, New Mexico	Well	No. 1H
Field	(Bilbry Basin) 5 State Com Sec. 5, T22S, R32E	Wellbore	No.1H AWB
Facility	Bilbry Basin 5 State Com 1H	Sidetrack from	No. 1H AWB (Pilot) at 9832.20 MD

WELLPATH DATA (195 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
14929.00	89.800	90.500	10570.35	4786.28	-40.79	4786.12	741418.92	515441.62	32°24'55.252"N	103°41'05.822"W	1.35	
15024.00	90.300	90.300	10570.27	4881.28	-41.46	4881.12	741513.91	515440.96	32°24'55.240"N	103°41'04.714"W	0.57	
15118.00	91.500	89.900	10568.79	4975.26	-41.62	4975.11	741607.89	515440.79	32°24'55.232"N	103°41'03.618"W	1.35	
15213.00	91.800	91.300	10566.06	5070.22	-42.61	5070.06	741702.84	515439.80	32°24'55.217"N	103°41'02.510"W	1.51	
15307.00	91.500	91.300	10563.35	5164.17	-44.75	5164.00	741796.77	515437.67	32°24'55.190"N	103°41'01.414"W	0.32	
15402.00	90.900	92.200	10561.36	5259.13	-47.65	5258.93	741891.70	515434.77	32°24'55.156"N	103°41'00.307"W	1.14	
15499.00	91.500	91.500	10559.33	5356.09	-50.78	5355.86	741988.62	515431.63	32°24'55.119"N	103°40'59.177"W	0.95	
15594.00	91.200	90.600	10557.09	5451.06	-52.52	5450.81	742083.57	515429.89	32°24'55.096"N	103°40'58.069"W	1.00	
15688.00	89.900	89.400	10556.19	5545.05	-52.52	5544.80	742177.56	515429.89	32°24'55.090"N	103°40'56.973"W	1.88	
15783.00	88.800	89.600	10557.27	5640.02	-51.69	5639.79	742272.55	515430.72	32°24'55.093"N	103°40'55.865"W	1.18	
15877.00	88.800	91.000	10559.24	5733.99	-52.18	5733.77	742366.52	515430.23	32°24'55.082"N	103°40'54.769"W	1.49	
15972.00	88.600	92.700	10561.39	5828.95	-55.25	5828.69	742461.43	515427.17	32°24'55.046"N	103°40'53.662"W	1.80	
16066.00	89.800	92.600	10562.70	5922.88	-59.59	5922.58	742555.32	515422.82	32°24'54.997"N	103°40'52.567"W	1.28	
16159.00	91.600	92.200	10561.57	6015.82	-63.49	6015.49	742648.22	515418.93	32°24'54.953"N	103°40'51.483"W	1.98	
16227.00	91.600	92.200	10559.67	6083.77	-66.10	6083.41	742716.14	515416.32	32°24'54.923"N	103°40'50.691"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. 1H PBHL		10563.00	-67.55	6073.49	742706.22	515414.86	32°24'54.910"N	103°40'50.807"W	point

WELLPATH COMPOSITION - Ref Wellbore: No.1H AWB					Ref Wellpath: No.1H AWP		
Start MD [ft]	End MD [ft]	Positional Uncertainty Model			Log Name/Comment		Wellbore
25.00	9832.20	Generic gyro - northseeking (Standard)			Unknown Gyros <100-10902>		No. 1H AWB (Pilot)
9832.20	16159.00	NaviTrak (Standard)			BHI MWD NaviTrak <9908-16159>		No.1H AWB
16159.00	16227.00	Blind Drilling (std)			Projection to bit		No.1H AWB

ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes

Software System: WellArchitect®3.0.0

REFERENCE WELLPATH IDENTIFICATION

Operator Devon Energy
 Area Lea County, New Mexico
 Field (Bilbry Basin) 5 State Com Sec. 5, T22S, R32E
 Facility Bilbry Basin 5 State Com 1H
 Slot No. 1H SHL
 Well No. 1H
 Wellbore No.1H AWB
 Wellpath No.1H AWP
 Sidetrack No. 1H AWB (Pilot) at 9832.20 MD

REPORT SETUP INFORMATION

Projection : NAD83 / TM New Mexico SP, Eastern Zone (3001), US feet
 North Refe Grid
 Scale 0.999953
 Convergen 0.34° East
 Software S WellArchitect®
 User Gentbry
 Report Ger 07/30/2013 at 9:31:39 AM
 DataBase/S WA Midland/ev177178.xml

WELLPATH Local North	Local East	Grid East	Grid North	Latitude	Longitude
[ft]	[ft]	[ft]	[ft]		
Slot Locatic	0	0	736633	515482.4	32°24'55.9: 103°42'01.649"W
Facility Ref			736633	515482.4	32°24'55.9: 103°42'01.649"W
Field Refer			736632.9	515482.4	32°24'55.9: 103°42'01.651"W

WELLPATH DATUM

Calculation Minimum curvature
 Horizontal Slot
 Vertical Re Rig on No. 1H SHL (KB)
 MD Refere Rig on No. 1H SHL (KB)
 Field Vertic Mean Sea Level
 Rig on No. 25.00ft
 Rig on No. 3689.30ft
 Rig on No. 25.00ft
 Section Ori 0.00ft
 Section Ori 0.00ft
 Section Azi 90.64°

WELLPATH DATA Wellbore: No.1H AWB Wellpath: No.1H AWP † = interpolated/extrapolated station

	MD	Inclination	Azimuth	TVD	Vert Sect	North	East	Grid East	Grid North	Latitude	Longitude	DLS
	[ft]	[°]	[°]	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]			[°/100ft]
†	0	0	237.48	0	0	0	0	736633	515482.4	32°24'55.9: 103°42'01.649"W		0
	25	0	237.48	25	0	0	0	736633	515482.4	32°24'55.9: 103°42'01.649"W		0
	100	0.59	237.48	100	-0.32	-0.21	-0.33	736632.7	515482.2	32°24'55.9: 103°42'01.649"W		0.79
	200	0.66	243.52	199.99	-1.27	-0.74	-1.28	736631.8	515481.7	32°24'55.9: 103°42'01.649"W		0.1
	300	0.5	241.25	299.99	-2.16	-1.21	-2.17	736630.9	515481.2	32°24'55.9: 103°42'01.649"W		0.16
	388.2	0.54	273.68	388.18	-2.91	-1.37	-2.93	736630.1	515481	32°24'55.9: 103°42'01.649"W		0.33
	482.6	0.5	276.97	482.58	-3.76	-1.29	-3.78	736629.3	515481.1	32°24'55.9: 103°42'01.649"W		0.05
	577	0.52	285.89	576.98	-4.59	-1.12	-4.6	736628.4	515481.3	32°24'55.9: 103°42'01.649"W		0.09
	671.5	0.54	303.03	671.47	-5.38	-0.76	-5.38	736627.7	515481.7	32°24'55.9: 103°42'01.649"W		0.17
	765.9	0.47	299.03	765.87	-6.09	-0.33	-6.1	736626.9	515482.1	32°24'55.9: 103°42'01.649"W		0.08
	860.4	0.4	284.01	860.37	-6.75	-0.06	-6.76	736626.3	515482.4	32°24'55.9: 103°42'01.649"W		0.14
	954.8	0.48	277.49	954.76	-7.47	0.07	-7.47	736625.6	515482.5	32°24'55.9: 103°42'01.649"W		0.1
	1049.2	0.48	270.53	1049.16	-8.26	0.12	-8.25	736624.8	515482.5	32°24'55.9: 103°42'01.649"W		0.06

1143.7	0.51	271.66	1143.66	-9.07	0.14	-9.07	736624	515482.6	32°24'55.9"	103°42'01.1"	0.03
1238.1	0.47	263.5	1238.05	-9.88	0.11	-9.88	736623.2	515482.5	32°24'55.9"	103°42'01.1"	0.09
1332.6	0.38	242.2	1332.55	-10.54	-0.08	-10.54	736622.5	515482.3	32°24'55.9"	103°42'01.1"	0.19
1427	0.28	228.62	1426.95	-10.98	-0.38	-10.99	736622	515482	32°24'55.9"	103°42'01.1"	0.13
1521.4	0.19	219.33	1521.35	-11.25	-0.65	-11.26	736621.8	515481.8	32°24'55.9"	103°42'01.1"	0.1
1615.9	0.14	199.76	1615.85	-11.39	-0.88	-11.4	736621.6	515481.5	32°24'55.9"	103°42'01.1"	0.08
1710.3	0.15	159.23	1710.25	-11.38	-1.11	-11.39	736621.6	515481.3	32°24'55.9"	103°42'01.1"	0.11
1804.8	0.19	132.13	1804.75	-11.22	-1.33	-11.23	736621.8	515481.1	32°24'55.9"	103°42'01.1"	0.09
1899.2	0.32	106.62	1899.15	-10.85	-1.51	-10.86	736622.2	515480.9	32°24'55.9"	103°42'01.1"	0.18
1993.6	0.44	98.03	1993.54	-10.23	-1.63	-10.25	736622.8	515480.8	32°24'55.9"	103°42'01.1"	0.14
2088.1	0.68	84.11	2088.04	-9.32	-1.63	-9.34	736623.7	515480.8	32°24'55.9"	103°42'01.1"	0.29
2182.5	0.92	72.71	2182.43	-8.04	-1.34	-8.06	736625	515481.1	32°24'55.9"	103°42'01.1"	0.3
2277	1.13	71.84	2276.92	-6.44	-0.83	-6.45	736626.6	515481.6	32°24'55.9"	103°42'01.1"	0.22
2371.4	1.55	68.53	2371.29	-4.37	-0.07	-4.37	736628.7	515482.3	32°24'55.9"	103°42'01.1"	0.45
2465.8	1.91	66.1	2465.65	-1.76	1.03	-1.75	736631.3	515483.4	32°24'55.9"	103°42'01.1"	0.39
2560.3	2.19	64.57	2560.09	1.3	2.45	1.32	736634.4	515484.9	32°24'55.9"	103°42'01.1"	0.3
2654.7	2.82	61.12	2654.39	4.94	4.34	4.99	736638	515486.8	32°24'55.9"	103°42'01.1"	0.69
2749.2	3.56	58.35	2748.75	9.44	7	9.52	736642.6	515489.4	32°24'56.0"	103°42'01.1"	0.8
2843.6	4.15	56.25	2842.93	14.74	10.44	14.85	736647.9	515492.9	32°24'56.0"	103°42'01.1"	0.64
2938	4.12	56.96	2937.09	20.38	14.19	20.54	736653.6	515496.6	32°24'56.0"	103°42'01.1"	0.06
3032.5	3.82	55.81	3031.36	25.79	17.81	25.99	736659	515500.2	32°24'56.1"	103°42'01.1"	0.33
3126.9	3.83	54.47	3125.55	30.91	21.41	31.15	736664.2	515503.8	32°24'56.1"	103°42'01.1"	0.1
3221.4	3.53	54.29	3219.86	35.81	24.94	36.08	736669.1	515507.4	32°24'56.1"	103°42'01.1"	0.32
3315.8	3.76	55.84	3314.07	40.69	28.37	41.01	736674	515510.8	32°24'56.2"	103°42'01.1"	0.27
3410.2	4.84	54.94	3408.2	46.46	32.4	46.83	736679.9	515514.8	32°24'56.2"	103°42'01.1"	1.15
3504.7	5.93	56.19	3502.28	53.73	37.4	54.15	736687.2	515519.8	32°24'56.3"	103°42'01.1"	1.16
3599.1	6.19	58.26	3596.15	62.05	42.8	62.53	736695.6	515525.2	32°24'56.3"	103°42'00.9"	0.36
3693.6	5.79	58.73	3690.14	70.4	47.95	70.93	736704	515530.4	32°24'56.4"	103°42'00.9"	0.43
3788	5.05	59.48	3784.11	77.99	52.53	78.58	736711.6	515534.9	32°24'56.4"	103°42'00.9"	0.79
3882.4	4.58	60.71	3878.18	84.82	56.49	85.45	736718.5	515538.9	32°24'56.4"	103°42'00.9"	0.51
3976.9	4.31	67.64	3972.4	91.35	59.68	92.02	736725.1	515542.1	32°24'56.5"	103°42'00.9"	0.64
4071.3	4.47	76.07	4066.52	98.18	61.92	98.87	736731.9	515544.3	32°24'56.5"	103°42'00.9"	0.7
4165.8	4.63	83.13	4160.72	105.53	63.26	106.24	736739.3	515545.7	32°24'56.5"	103°42'00.9"	0.62
4260.2	4.87	86.76	4254.8	113.3	63.94	114.02	736747	515546.4	32°24'56.5"	103°42'00.9"	0.41
4354.6	4.53	85.41	4348.88	121.01	64.47	121.74	736754.8	515546.9	32°24'56.5"	103°42'00.9"	0.38
4449.1	4.13	84.65	4443.11	128.11	65.08	128.84	736761.9	515547.5	32°24'56.5"	103°42'00.9"	0.43
4543.5	3.77	84.04	4537.29	134.58	65.72	135.31	736768.3	515548.1	32°24'56.5"	103°42'00.9"	0.38
4638	3.37	83.47	4631.6	140.42	66.36	141.16	736774.2	515548.8	32°24'56.5"	103°42'00.9"	0.42
4732.4	3.06	80.96	4725.85	145.65	67.07	146.41	736779.4	515549.5	32°24'56.5"	103°41'59.9"	0.36
4826.8	3.2	80.62	4820.11	150.73	67.9	151.5	736784.5	515550.3	32°24'56.6"	103°41'59.9"	0.15
4921.3	3.07	80.89	4914.47	155.82	68.73	156.6	736789.6	515551.1	32°24'56.6"	103°41'59.9"	0.14
5015.7	3.39	80.21	5008.72	161.06	69.6	161.84	736794.9	515552	32°24'56.6"	103°41'59.9"	0.34
5110.2	3.11	85.51	5103.07	166.36	70.28	167.15	736800.2	515552.7	32°24'56.6"	103°41'59.9"	0.43
5204.6	2.86	87.85	5197.34	171.26	70.57	172.06	736805.1	515553	32°24'56.6"	103°41'59.9"	0.29
5299	2.94	88.85	5291.62	176.04	70.7	176.83	736809.9	515553.1	32°24'56.6"	103°41'59.9"	0.1
5393.5	2.61	90.82	5386.01	180.61	70.72	181.41	736814.4	515553.1	32°24'56.6"	103°41'59.9"	0.36
5487.9	2.31	91.34	5480.32	184.66	70.65	185.46	736818.5	515553.1	32°24'56.6"	103°41'59.9"	0.32
5582.4	2.19	94.62	5574.75	188.37	70.46	189.16	736822.2	515552.9	32°24'56.6"	103°41'59.9"	0.19
5676.8	1.97	99.53	5669.09	191.77	70.04	192.56	736825.6	515552.5	32°24'56.6"	103°41'59.9"	0.3
5771.2	1.96	100.97	5763.43	194.96	69.47	195.75	736828.8	515551.9	32°24'56.6"	103°41'59.9"	0.05
5865.7	1.9	100.14	5857.88	198.1	68.88	198.87	736831.9	515551.3	32°24'56.6"	103°41'59.9"	0.07
5960.1	1.68	99.46	5952.23	201.01	68.38	201.78	736834.8	515550.8	32°24'56.6"	103°41'59.9"	0.23
6054.6	1.49	99.26	6046.7	203.59	67.96	204.36	736837.4	515550.4	32°24'56.6"	103°41'59.9"	0.2
6149	1.4	99.62	6141.07	205.94	67.57	206.71	736839.7	515550	32°24'56.5"	103°41'59.9"	0.1
6243.4	1.23	102.21	6235.44	208.07	67.16	208.83	736841.9	515549.6	32°24'56.5"	103°41'59.9"	0.19
6337.9	1.09	117.63	6329.92	209.87	66.53	210.62	736843.6	515548.9	32°24'56.5"	103°41'59.9"	0.36
6432.3	1.15	131.78	6424.31	211.38	65.48	212.12	736845.1	515547.9	32°24'56.5"	103°41'59.9"	0.3
6526.8	1.21	132.38	6518.79	212.84	64.18	213.57	736846.6	515546.6	32°24'56.5"	103°41'59.9"	0.06
6621.2	1.03	133.73	6613.17	214.2	62.92	214.92	736847.9	515545.3	32°24'56.5"	103°41'59.9"	0.19
6715.6	0.82	136.13	6707.55	215.3	61.84	216	736849	515544.3	32°24'56.5"	103°41'59.9"	0.23
6810.1	0.61	144.64	6802.05	216.07	60.95	216.76	736849.8	515543.4	32°24'56.5"	103°41'59.9"	0.25

6904.5	0.59	169.15	6896.44	216.46	60.06	217.14	736850.2	515542.5	32°24'56.5" 103°41'59.0"	0.27
6999	0.73	190.86	6990.94	216.45	58.99	217.12	736850.1	515541.4	32°24'56.5" 103°41'59.0"	0.3
7093.4	0.82	203.24	7085.33	216.08	57.78	216.74	736849.8	515540.2	32°24'56.4" 103°41'59.0"	0.2
7187.8	1.13	207.04	7179.71	215.41	56.33	216.05	736849.1	515538.7	32°24'56.4" 103°41'59.0"	0.34
7282.3	1.24	210.27	7274.19	214.49	54.62	215.11	736848.1	515537	32°24'56.4" 103°41'59.0"	0.14
7376.7	1.56	206.13	7368.57	213.43	52.58	214.03	736847.1	515535	32°24'56.4" 103°41'59.0"	0.36
7471.2	1.57	206.16	7463.03	212.32	50.26	212.89	736845.9	515532.7	32°24'56.4" 103°41'59.0"	0.01
7565.6	1.56	206.43	7557.39	211.2	47.95	211.75	736844.8	515530.4	32°24'56.4" 103°41'59.0"	0.01
7660	1.35	203.58	7651.76	210.21	45.78	210.73	736843.8	515528.2	32°24'56.3" 103°41'59.0"	0.24
7754.5	1.17	206.91	7746.24	209.35	43.9	209.85	736842.9	515526.3	32°24'56.3" 103°41'59.0"	0.21
7848.9	1.14	209.13	7840.62	208.48	42.22	208.96	736842	515524.6	32°24'56.3" 103°41'59.0"	0.06
7943.4	1.02	208.53	7935.11	207.63	40.66	208.1	736841.1	515523.1	32°24'56.3" 103°41'59.0"	0.13
8037.8	0.95	210.05	8029.49	206.86	39.25	207.31	736840.3	515521.7	32°24'56.3" 103°41'59.0"	0.08
8132.2	0.92	209.33	8123.88	206.11	37.91	206.54	736839.6	515520.3	32°24'56.3" 103°41'59.0"	0.03
8226.7	1.04	217.57	8218.37	205.23	36.57	205.65	736838.7	515519	32°24'56.2" 103°41'59.0"	0.2
8321.1	1.19	231.76	8312.75	203.95	35.28	204.36	736837.4	515517.7	32°24'56.2" 103°41'59.0"	0.33
8415.6	1.09	244.61	8407.23	202.38	34.29	202.77	736835.8	515516.7	32°24'56.2" 103°41'59.0"	0.29
8510	1.16	246.87	8501.61	200.7	33.53	201.08	736834.1	515515.9	32°24'56.2" 103°41'59.0"	0.09
8604.4	1.03	247.33	8595.99	199.04	32.82	199.42	736832.4	515515.2	32°24'56.2" 103°41'59.0"	0.14
8698.9	0.93	262.64	8690.48	197.5	32.4	197.88	736830.9	515514.8	32°24'56.2" 103°41'59.0"	0.3
8793.3	1	274.1	8784.87	195.92	32.36	196.3	736829.3	515514.8	32°24'56.2" 103°41'59.0"	0.22
8887.8	1.42	288.12	8879.35	193.98	32.78	194.36	736827.4	515515.2	32°24'56.2" 103°41'59.0"	0.54
8982.2	2.08	310.47	8973.7	191.55	34.26	191.95	736825	515516.7	32°24'56.2" 103°41'59.0"	0.99
9076.6	1.52	311.99	9068.06	189.3	36.21	189.71	736822.7	515518.6	32°24'56.2" 103°41'59.0"	0.6
9171.1	1.72	290.31	9162.52	187.02	37.54	187.45	736820.5	515520	32°24'56.3" 103°41'59.0"	0.68
9265.5	2.04	281.25	9256.87	184.04	38.36	184.47	736817.5	515520.8	32°24'56.3" 103°41'59.0"	0.46
9360	1.99	277.79	9351.31	180.75	38.91	181.2	736814.2	515521.3	32°24'56.3" 103°41'59.0"	0.14
9454.4	1.47	271.77	9445.67	177.92	39.17	178.36	736811.4	515521.6	32°24'56.3" 103°41'59.0"	0.58
9548.8	1.54	259.1	9540.03	175.46	38.97	175.91	736808.9	515521.4	32°24'56.3" 103°41'59.0"	0.36
9643.3	1.72	240.21	9634.5	173	38.02	173.43	736806.5	515520.4	32°24'56.3" 103°41'59.0"	0.6
9737.7	1.78	236.53	9728.85	170.56	36.51	170.98	736804	515518.9	32°24'56.2" 103°41'59.0"	0.13
9832.2	1.51	241.54	9823.31	168.26	35.11	168.66	736801.7	515517.5	32°24'56.2" 103°41'59.0"	0.32
9908	0.9	260.7	9899.1	166.8	34.53	167.19	736800.2	515516.9	32°24'56.2" 103°41'59.0"	0.95
9939	1.2	272.7	9930.09	166.23	34.51	166.63	736799.7	515516.9	32°24'56.2" 103°41'59.0"	1.19
9971	1.9	276	9962.08	165.37	34.58	165.77	736798.8	515517	32°24'56.2" 103°41'59.0"	2.2
10093	11.7	106.7	10083.35	175.29	31.22	175.65	736808.7	515513.6	32°24'56.2" 103°41'59.0"	11.12
10125	15.4	104.8	10114.45	182.53	29.2	182.87	736815.9	515511.6	32°24'56.2" 103°41'59.0"	11.64
10156	19.1	104.2	10144.05	191.46	26.91	191.77	736824.8	515509.3	32°24'56.1" 103°41'59.0"	11.95
10188	23.1	101.9	10173.9	202.71	24.33	202.99	736836	515506.7	32°24'56.1" 103°41'59.0"	12.76
10219	26.7	97.6	10202.02	215.59	22.15	215.85	736848.9	515504.6	32°24'56.1" 103°41'59.0"	12.99
10251	30.3	96.3	10230.13	230.76	20.31	231	736864	515502.7	32°24'56.1" 103°41'58.0"	11.42
10282	33.6	95.5	10256.43	247.1	18.63	247.32	736880.3	515501	32°24'56.1" 103°41'58.0"	10.73
10314	35.9	94.2	10282.72	265.29	17.1	265.49	736898.5	515499.5	32°24'56.0" 103°41'58.0"	7.55
10345	37.6	92.4	10307.56	283.81	16.04	284.01	736917	515498.5	32°24'56.0" 103°41'58.0"	6.49
10377	39.7	91.7	10332.55	303.79	15.32	303.98	736937	515497.7	32°24'56.0" 103°41'58.0"	6.7
10408	43	92.1	10355.82	324.26	14.64	324.45	736957.5	515497.1	32°24'56.0" 103°41'57.0"	10.68
10440	46.1	92.6	10378.62	346.7	13.72	346.87	736979.9	515496.1	32°24'56.0" 103°41'57.0"	9.75
10471	49.6	92.8	10399.42	369.66	12.64	369.83	737002.8	515495.1	32°24'56.0" 103°41'57.0"	11.3
10503	52.5	92.8	10419.54	394.53	11.42	394.68	737027.7	515493.8	32°24'56.0" 103°41'57.0"	9.06
10534	54.4	92.7	10438	419.41	10.23	419.55	737052.6	515492.6	32°24'56.0" 103°41'56.0"	6.13
10566	55.8	92	10456.31	445.65	9.15	445.78	737078.8	515491.6	32°24'56.0" 103°41'56.0"	4.73
10597	57.2	91	10473.42	471.49	8.48	471.62	737104.6	515490.9	32°24'55.9" 103°41'56.0"	5.26
10629	59.6	89	10490.18	498.74	8.48	498.87	737131.9	515490.9	32°24'55.9" 103°41'55.0"	9.2
10660	63.8	88.5	10504.88	526.02	9.08	526.15	737159.2	515491.5	32°24'55.9" 103°41'55.0"	13.62
10692	68.8	88.6	10517.74	555.29	9.82	555.43	737188.4	515492.2	32°24'56.0" 103°41'55.0"	15.63
10723	72.8	86.7	10527.93	584.52	11.03	584.68	737217.7	515493.4	32°24'56.0" 103°41'54.0"	14.14
10754	75.8	87.6	10536.32	614.3	12.51	614.48	737247.5	515494.9	32°24'56.0" 103°41'54.0"	10.07
10786	78.2	88.2	10543.51	645.44	13.65	645.63	737278.6	515496.1	32°24'56.0" 103°41'54.0"	7.72
10817	80	88.9	10549.38	675.86	14.42	676.06	737309.1	515496.8	32°24'56.0" 103°41'53.0"	6.22
10849	82	89.3	10554.38	707.46	14.92	707.66	737340.7	515497.3	32°24'56.0" 103°41'53.0"	6.37
10880	83.9	89.2	10558.19	738.21	15.32	738.43	737371.4	515497.7	32°24'56.0" 103°41'53.0"	6.14

10912	84.9	89.4	10561.31	770.05	15.71	770.27	737403.3	515498.1	32°24'56.0"	103°41'52.0"	3.19
10932	85.4	88.4	10563	789.97	16.09	790.2	737423.2	515498.5	32°24'56.0"	103°41'52.0"	5.57
10964	86.1	88.4	10565.37	821.86	16.98	822.09	737455.1	515499.4	32°24'56.0"	103°41'52.0"	2.19
10995	87.8	88.9	10567.02	852.79	17.71	853.04	737486	515500.1	32°24'56.0"	103°41'51.0"	5.72
11058	89.3	89.2	10568.62	915.75	18.76	916.01	737549	515501.2	32°24'56.0"	103°41'50.0"	2.43
11153	92.1	89.8	10567.45	1010.71	19.58	1010.99	737644	515502	32°24'56.0"	103°41'49.0"	3.01
11247	92.2	90.6	10563.93	1104.64	19.26	1104.92	737737.9	515501.7	32°24'56.0"	103°41'48.0"	0.86
11342	91.5	90.9	10560.86	1199.59	18.01	1199.86	737832.8	515500.4	32°24'56.0"	103°41'47.0"	0.8
11436	90.4	91.1	10559.3	1293.57	16.37	1293.84	737926.8	515498.8	32°24'56.0"	103°41'46.0"	1.19
11530	89.9	92.1	10559.06	1387.56	13.75	1387.8	738020.8	515496.2	32°24'55.9"	103°41'45.0"	1.19
11625	88.8	92.1	10560.13	1482.52	10.27	1482.73	738115.7	515492.7	32°24'55.9"	103°41'44.0"	1.16
11719	89.8	91.8	10561.28	1576.49	7.07	1576.66	738209.6	515489.5	32°24'55.9"	103°41'43.0"	1.11
11814	89.4	91.6	10561.95	1671.47	4.25	1671.62	738304.6	515486.7	32°24'55.8"	103°41'42.0"	0.47
11908	89.5	90.7	10562.85	1765.46	2.36	1765.59	738398.5	515484.8	32°24'55.8"	103°41'41.0"	0.96
12003	89.7	90.3	10563.51	1860.46	1.54	1860.59	738493.5	515484	32°24'55.8"	103°41'39.0"	0.47
12097	88.5	90.4	10564.99	1954.44	0.96	1954.57	738587.5	515483.4	32°24'55.8"	103°41'38.0"	1.28
12192	89.7	90.6	10566.48	2049.43	0.13	2049.56	738682.5	515482.5	32°24'55.8"	103°41'37.0"	1.28
12286	89.4	90.9	10567.22	2143.42	-1.1	2143.54	738776.5	515481.3	32°24'55.8"	103°41'36.0"	0.45
12380	89.9	91.6	10567.79	2237.42	-3.15	2237.52	738870.4	515479.3	32°24'55.7"	103°41'35.0"	0.92
12475	90	91.3	10567.88	2332.41	-5.55	2332.49	738965.4	515476.9	32°24'55.7"	103°41'34.0"	0.33
12569	89.3	91.3	10568.45	2426.4	-7.68	2426.46	739059.4	515474.7	32°24'55.7"	103°41'33.0"	0.74
12664	89.2	90.8	10569.69	2521.39	-9.43	2521.44	739154.3	515473	32°24'55.6"	103°41'32.0"	0.54
12758	88.9	90.5	10571.25	2615.37	-10.49	2615.42	739248.3	515471.9	32°24'55.6"	103°41'31.0"	0.45
12853	90.2	90.2	10572	2710.37	-11.07	2710.41	739343.3	515471.3	32°24'55.6"	103°41'30.0"	1.4
12947	90.1	91.3	10571.75	2804.37	-12.3	2804.4	739437.3	515470.1	32°24'55.6"	103°41'28.0"	1.18
13041	89.3	90.5	10572.24	2898.36	-13.78	2898.39	739531.3	515468.6	32°24'55.6"	103°41'27.0"	1.2
13136	89.2	90.6	10573.49	2993.35	-14.69	2993.38	739626.3	515467.7	32°24'55.6"	103°41'26.0"	0.15
13230	90.5	90.8	10573.73	3087.35	-15.84	3087.37	739720.2	515466.6	32°24'55.6"	103°41'25.0"	1.4
13325	90.8	91	10572.66	3182.34	-17.33	3182.35	739815.2	515465.1	32°24'55.5"	103°41'24.0"	0.38
13419	90	90.7	10572	3276.34	-18.73	3276.33	739909.2	515463.7	32°24'55.5"	103°41'23.0"	0.91
13513	90.5	90.6	10571.59	3370.34	-19.79	3370.33	740003.2	515462.6	32°24'55.5"	103°41'22.0"	0.54
13608	90.4	90.8	10570.84	3465.34	-20.95	3465.32	740098.2	515461.5	32°24'55.5"	103°41'21.0"	0.24
13702	89.6	90.7	10570.84	3559.33	-22.18	3559.31	740192.2	515460.2	32°24'55.5"	103°41'20.0"	0.86
13797	89.3	90.6	10571.76	3654.33	-23.26	3654.3	740287.2	515459.2	32°24'55.4"	103°41'19.0"	0.33
13891	90.5	90.8	10571.92	3748.33	-24.41	3748.29	740381.1	515458	32°24'55.4"	103°41'17.0"	1.29
13986	90.2	90.3	10571.34	3843.33	-25.32	3843.28	740476.1	515457.1	32°24'55.4"	103°41'16.0"	0.61
14080	89.7	91.1	10571.42	3937.32	-26.47	3937.27	740570.1	515455.9	32°24'55.4"	103°41'15.0"	1
14175	90.3	90.6	10571.42	4032.32	-27.88	4032.26	740665.1	515454.5	32°24'55.4"	103°41'14.0"	0.82
14269	89.6	90.7	10571.5	4126.32	-28.94	4126.26	740759.1	515453.5	32°24'55.4"	103°41'13.0"	0.75
14363	89.9	90.9	10571.91	4220.32	-30.26	4220.25	740853.1	515452.2	32°24'55.3"	103°41'12.0"	0.38
14458	90.1	90.7	10571.91	4315.32	-31.58	4315.24	740948.1	515450.8	32°24'55.3"	103°41'11.0"	0.3
14552	89.8	91.5	10572	4409.32	-33.39	4409.22	741042	515449	32°24'55.3"	103°41'10.0"	0.91
14646	89.5	91.4	10572.57	4503.31	-35.77	4503.19	741136	515446.6	32°24'55.3"	103°41'09.0"	0.34
14741	90.7	91.2	10572.4	4598.3	-37.92	4598.16	741231	515444.5	32°24'55.2"	103°41'08.0"	1.28
14835	91	90.9	10571.01	4692.28	-39.64	4692.13	741324.9	515442.8	32°24'55.2"	103°41'06.0"	0.45
14929	89.8	90.5	10570.35	4786.28	-40.79	4786.12	741418.9	515441.6	32°24'55.2"	103°41'05.0"	1.35
15024	90.3	90.3	10570.27	4881.28	-41.46	4881.12	741513.9	515441	32°24'55.2"	103°41'04.0"	0.57
15118	91.5	89.9	10568.79	4975.26	-41.62	4975.11	741607.9	515440.8	32°24'55.2"	103°41'03.0"	1.35
15213	91.8	91.3	10566.06	5070.22	-42.61	5070.06	741702.8	515439.8	32°24'55.2"	103°41'02.0"	1.51
15307	91.5	91.3	10563.35	5164.17	-44.75	5164	741796.8	515437.7	32°24'55.1"	103°41'01.0"	0.32
15402	90.9	92.2	10561.36	5259.13	-47.65	5258.93	741891.7	515434.8	32°24'55.1"	103°41'00.0"	1.14
15499	91.5	91.5	10559.33	5356.09	-50.78	5355.86	741988.6	515431.6	32°24'55.1"	103°40'59.0"	0.95
15594	91.2	90.6	10557.09	5451.06	-52.52	5450.81	742083.6	515429.9	32°24'55.0"	103°40'58.0"	1
15688	89.9	89.4	10556.19	5545.05	-52.52	5544.8	742177.6	515429.9	32°24'55.0"	103°40'56.0"	1.88
15783	88.8	89.6	10557.27	5640.02	-51.69	5639.79	742272.6	515430.7	32°24'55.0"	103°40'55.0"	1.18
15877	88.8	91	10559.24	5733.99	-52.18	5733.77	742366.5	515430.2	32°24'55.0"	103°40'54.0"	1.49
15972	88.6	92.7	10561.39	5828.95	-55.25	5828.69	742461.4	515427.2	32°24'55.0"	103°40'53.0"	1.8
16066	89.8	92.6	10562.7	5922.88	-59.59	5922.58	742555.3	515422.8	32°24'54.9"	103°40'52.0"	1.28
16159	91.6	92.2	10561.57	6015.82	-63.49	6015.49	742648.2	515418.9	32°24'54.9"	103°40'51.0"	1.98
16227	91.6	92.2	10559.67	6083.77	-66.1	6083.41	742716.1	515416.3	32°24'54.9"	103°40'50.0"	0

T A R G E T S

Name	MD	TVD	North	East	Grid East	Grid North	Latitude	Longitude	Shape	Comment
	[ft]	[ft]	[ft]	[ft]	[US ft]	[US ft]				
No. 1H PBHL		10563	-67.55	6073.49	742706.2	515414.9	32°24'54.9	103°40'50.1	point	

WELLPATH COMPOSITION Ref Wellbore: No.1H AWB Ref Wellpath: No.1H AWP

Log Name/	Start MD	End MD	Pos Unc	Model
	[ft]	[ft]		
Unknown (	25	9832.2		Generic gyro - northseeking (Standard)
BHI MWD (	9832.2	16159		NaviTrak (Standard)
Projection	16159	16227		Blind Drilling (std)



Stimulations Summary

District	County	Field Name	Project Group	State/Province
PERMIAN BASIN	LEA	INGLE WELLS/SAND DUNE...	DELAWARE BASIN	NM
Surface Legal Location	API/UWI	Latitude (°)	Longitude (°)	Ground Elev...
SEC5 T22S R32E	3002540987	32° 24' 55.939" N	103° 42' 1.649" W	3,664.30
				KB - GL (ft)
				25.00
				Orig KB'Elev (ft)
				3,689.30
				Tubing Head Elevation (ft)
HYBRID , 9/2/2013 09:58 , BONE SPRING, ST01 , 15,728.0 ftkB - 16,048.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 85079 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6292.57			
				ISIP (psi)
				3,456.0
				Avg Treat Pressur...
				5,849.0
				Q Treat Avg (bbl/...
				78
				P Max (psi)
				7,670.0
				Q Treat Max (bbl/...
				84
				Conc Max...
				4.00
HYBRID , 9/2/2013 17:40 , BONE SPRING, ST01 , 15,309.0 ftkB - 15,629.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 83368 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6200.10			
				ISIP (psi)
				2,999.0
				Avg Treat Pressur...
				5,110.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				6,685.0
				Q Treat Max (bbl/...
				82
				Conc Max...
				4.00
HYBRID , 9/2/2013 20:51 , BONE SPRING, ST01 , 14,890.0 ftkB - 15,210.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 93155 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	5889.69			
				ISIP (psi)
				3,547.0
				Avg Treat Pressur...
				5,144.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				7,235.0
				Q Treat Max (bbl/...
				84
				Conc Max...
				4.00
HYBRID , 9/3/2013 06:22 , BONE SPRING, ST01 , 14,468.0 ftkB - 14,772.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 80887 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6228.95			
				ISIP (psi)
				3,579.0
				Avg Treat Pressur...
				5,373.0
				Q Treat Avg (bbl/...
				78
				P Max (psi)
				7,667.0
				Q Treat Max (bbl/...
				85
				Conc Max...
				4.00
HYBRID , 9/3/2013 10:26 , BONE SPRING, ST01 , 14,049.0 ftkB - 14,354.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 79979 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6204.86			
				ISIP (psi)
				3,514.0
				Avg Treat Pressur...
				5,228.0
				Q Treat Avg (bbl/...
				79
				P Max (psi)
				6,845.0
				Q Treat Max (bbl/...
				85
				Conc Max...
				4.00
HYBRID , 9/3/2013 14:38 , BONE SPRING, ST01 , 13,633.0 ftkB - 13,954.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 88176 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6194.33			
				ISIP (psi)
				3,456.0
				Avg Treat Pressur...
				4,991.0
				Q Treat Avg (bbl/...
				81
				P Max (psi)
				6,489.0
				Q Treat Max (bbl/...
				83
				Conc Max...
				4.00
HYBRID , 9/3/2013 18:30 , BONE SPRING, ST01 , 13,215.0 ftkB - 13,535.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 79667 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6176.57			
				ISIP (psi)
				3,461.0
				Avg Treat Pressur...
				5,172.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				7,660.0
				Q Treat Max (bbl/...
				82
				Conc Max...
				4.00
HYBRID , 9/4/2013 06:00 , BONE SPRING, ST01 , 12,796.0 ftkB - 13,117.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 76808 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6124.64			
				ISIP (psi)
				3,429.0
				Avg Treat Pressur...
				4,997.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				6,887.0
				Q Treat Max (bbl/...
				81
				Conc Max...
				4.00
HYBRID , 9/4/2013 09:52 , BONE SPRING, ST01 , 12,377.0 ftkB - 12,698.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 84509 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6118.43			
				ISIP (psi)
				3,429.0
				Avg Treat Pressur...
				4,997.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				6,777.0
				Q Treat Max (bbl/...
				81
				Conc Max...
				4.00
HYBRID , 9/4/2013 13:52 , BONE SPRING, ST01 , 11,958.0 ftkB - 12,279.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 81776 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6177.67			
				ISIP (psi)
				3,275.0
				Avg Treat Pressur...
				4,465.0
				Q Treat Avg (bbl/...
				79
				P Max (psi)
				7,051.0
				Q Treat Max (bbl/...
				80
				Conc Max...
				4.00
HYBRID , 9/4/2013 18:48 , BONE SPRING, ST01 , 11,539.0 ftkB - 11,860.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 86932 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6128.55			
				ISIP (psi)
				3,285.0
				Avg Treat Pressur...
				4,549.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				6,768.0
				Q Treat Max (bbl/...
				81
				Conc Max...
				4.00
HYBRID , 9/5/2013 07:40 , BONE SPRING, ST01 , 11,120.0 ftkB - 11,441.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 91327 LB; CRC 20/40 Resin				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6118.17			
				ISIP (psi)
				3,290.0
				Avg Treat Pressur...
				4,676.0
				Q Treat Avg (bbl/...
				80
				P Max (psi)
				6,758.0
				Q Treat Max (bbl/...
				82
				Conc Max...
				4.00
HYBRID , 9/5/2013 11:12 , BONE SPRING, ST01 , 10,700.0 ftkB - 11,021.0 ftkB, HALLIBURTON , 100 MESH Bulk Sand 93293.692 LB; CRC 20/40 Re				
Proppant De...	Total Clean Volu...	Pre Trt S/I Prs (psi)	Pst Trt S/I Prs (psi)	P Break (psi)
355,000.0	6539.57			
				ISIP (psi)
				3,271.0
				Avg Treat Pressur...
				4,209.0
				Q Treat Avg (bbl/...
				79
				P Max (psi)
				7,770.0
				Q Treat Max (bbl/...
				83
				Conc Max...
				4.00