

WDS

Results of Directional Survey

API number:	30-025-41293		
OGRID:		Operator:	DEVON ENERGY PRODUCTION COMPANY, LP
		Property:	SALADO DRAW 6 FEDERAL # 1H

surface	ULSTR:	M	06	T 26S	R 34E
				200 FSL	875 FWL

BH Loc	ULSTR:	D	06	T 26S	R 34E
17070	MD	12436.9	TVD	334 FNL	448 FWL
				4946 FSL	

Top Perf/OH	ULSTR:	M	06	T 26S	R 34E
12651	MD	12440.0	TVD	575 FSL	600 FWL

Bot Perf/OH	ULSTR:	D	06	T 26S	R 34E
16920	MD	12439.2	TVD	484 FNL	444 FWL
				4796 FSL	

	MD	N/S	E/W	VD
	12622	352.01	-260.54	12430.18
TOP PERFS/OH	12651	374.88	-275.40	12440.03
	12654	377.25	-276.94	12441.05
	16873	4548.98	-432.97	12439.93
BOT PERFS/OH	16920	4595.95	-431.37	12439.23
	16968	4643.92	-429.73	12438.52

NEXT TO LAST	17012	4687.89	-428.31	12437.90
LAST READING	17070	4745.85	-426.59	12436.89
TD	17070	4745.85	-426.59	12436.89

Surface Location	200	FS	875	FW
Projected BHL	4946	FS	448	FW
Location of				
Top Perfs/OH	575	FS	600	FW
Bottom Perfs/OH	4796	FS	444	FW

SUMMARY of Subsurface Locations

Surface Location	M-06-26S-34E	200	FS	875	FW	Vert. Depth
Top Perfs/OH	M-06-26S-34E	575	FS	600	FW	12440.03
Bottom Perfs/OH	D-06-26S-34E	4796	FS	444	FW	12439.23
Projected TD	D-06-26S-34E	4946	FS	448	FW	12436.89

APR 07 2014



A GYRO TECHNOLOGIES INC. COMPANY

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

November 1, 2013

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

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Attn: Patti Riechers

Re: **Salado Draw 6 Federal No. 001H**

Please find enclosed a copy of the survey from 0.00' to 9977.50' 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.

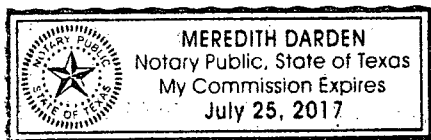
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §

COUNTY OF NUECES §

This instrument was acknowledged before me on the 1 day of November A.D., 2013, by Keith Havelka.




Meredith Darden
Notary Public, State of Texas



Company: Devon Energy
Lease/Well: Salado Draw 6 Federal/No. 001H
Location: S6 T26s R34e
Rig Name: HP 391
State/County: New Mexico/Lea
Latitude: 32.07, Longitude: -103.51
GRID North is 0.43 Degrees East of True North
VS-Azi: 0.00 Degrees



RKB : 25 Feet

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DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: ... 6 federal #1h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 11/1/2013 / 13:49

Vaughn Energy Services

Gardendale, TX 79758

(432) 563-5444

Surveyor: Dustin Wedel

Salado Draw 6 Federal No. 001H / API 30-025-41293

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	****
136.20	0.46	239.41	136.20	-0.28	-0.47	-0.28	0.54	239.41	0.34
230.90	0.66	224.62	230.89	-0.86	-1.18	-0.86	1.46	233.92	0.26
325.60	0.86	209.83	325.59	-1.87	-1.92	-1.87	2.67	225.77	0.30
420.30	0.73	204.77	420.28	-3.03	-2.52	-3.03	3.94	219.77	0.16
515.00	0.60	201.71	514.97	-4.04	-2.96	-4.04	5.01	216.22	0.14
609.70	0.54	222.41	609.67	-4.83	-3.44	-4.83	5.93	215.48	0.23
704.40	0.47	243.11	704.36	-5.33	-4.09	-5.33	6.72	217.48	0.20
799.10	0.46	210.16	799.06	-5.84	-4.63	-5.84	7.45	218.41	0.28
893.80	0.45	177.22	893.76	-6.54	-4.80	-6.54	8.11	216.29	0.27
988.50	0.38	152.07	988.45	-7.19	-4.64	-7.19	8.55	212.84	0.21
1083.20	0.30	126.92	1083.15	-7.61	-4.30	-7.61	8.74	209.44	0.17
1177.90	0.53	134.81	1177.85	-8.07	-3.79	-8.07	8.91	205.17	0.25
1272.60	0.75	142.70	1272.54	-8.87	-3.10	-8.87	9.39	199.30	0.26
1367.30	0.94	130.72	1367.23	-9.87	-2.14	-9.87	10.10	192.24	0.27
1462.00	1.13	118.75	1461.92	-10.82	-0.74	-10.82	10.84	183.90	0.30
1556.70	1.03	130.49	1556.60	-11.82	0.72	-11.82	11.84	176.49	0.25
1651.40	0.93	142.23	1651.29	-12.98	1.84	-12.98	13.11	171.92	0.24
1746.10	0.86	122.80	1745.98	-13.97	2.91	-13.97	14.27	168.24	0.33

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
1840.80	0.79	103.38	1840.67	-14.50	4.14	-14.50	15.08	164.08	0.30
1935.50	0.74	113.91	1935.36	-14.90	5.33	-14.90	15.83	160.33	0.16
2030.20	0.69	124.45	2030.05	-15.47	6.35	-15.47	16.72	157.67	0.15
2124.90	0.67	139.58	2124.74	-16.21	7.18	-16.21	17.73	156.12	0.19
2219.60	0.64	154.70	2219.44	-17.11	7.76	-17.11	18.79	155.60	0.18
2314.30	0.72	143.44	2314.13	-18.07	8.35	-18.07	19.90	155.21	0.16
2409.00	0.80	132.18	2408.82	-19.00	9.19	-19.00	21.10	154.18	0.18
2503.70	1.14	109.42	2503.51	-19.75	10.57	-19.75	22.40	151.85	0.53
2598.40	1.47	86.66	2598.19	-20.00	12.67	-20.00	23.67	147.63	0.65
2693.10	1.41	84.32	2692.86	-19.81	15.05	-19.81	24.88	142.77	0.09
2787.80	1.35	83.99	2787.53	-19.58	17.33	-19.58	26.14	138.49	0.06
2882.50	1.71	0.18	2882.20	-18.04	18.44	-18.04	25.80	134.37	2.18
2977.20	2.08	276.36	2976.87	-16.44	16.74	-16.44	23.46	134.47	2.69
3071.90	2.15	350.02	3071.52	-14.49	14.73	-14.49	20.67	134.54	2.68
3166.60	2.23	63.68	3166.17	-11.93	16.07	-11.93	20.01	126.58	2.77
3261.30	2.51	61.40	3260.79	-10.12	19.54	-10.12	22.00	117.39	0.31
3356.00	2.79	59.12	3355.38	-7.95	23.33	-7.95	24.65	108.81	0.32
3450.70	3.41	61.28	3449.95	-5.41	27.78	-5.41	28.30	101.03	0.67
3545.40	4.04	63.44	3544.44	-2.57	33.23	-2.57	33.33	94.42	0.68
3640.10	4.19	56.55	3638.90	0.83	39.10	0.83	39.11	88.78	0.54
3734.80	4.33	49.67	3733.34	5.05	44.71	5.05	45.00	83.55	0.56
3829.50	4.20	56.26	3827.78	9.29	50.32	9.29	51.18	79.54	0.54
3924.20	4.06	62.86	3922.23	12.75	56.19	12.75	57.62	77.22	0.52
4018.90	4.73	54.68	4016.65	16.54	62.37	16.54	64.52	75.15	0.96
4113.60	5.39	47.50	4110.99	21.80	68.83	21.80	72.20	72.42	0.97
4208.30	5.68	56.63	4205.25	27.39	76.03	27.39	80.81	70.19	0.98
4303.00	5.97	55.77	4299.46	32.73	84.01	32.73	90.16	68.71	0.32
4397.70	5.74	47.65	4393.66	38.69	91.58	38.69	99.42	67.10	0.91
4492.40	5.51	38.53	4487.91	45.44	97.91	45.44	107.94	65.10	0.97
4587.10	5.26	31.16	4582.19	52.71	102.99	52.71	115.70	62.90	0.78
4681.80	5.01	33.78	4676.51	59.86	107.54	59.86	123.07	60.90	0.37
4776.50	4.75	29.53	4770.87	66.71	111.77	66.71	130.16	59.17	0.47
4871.20	4.49	25.27	4865.26	73.47	115.28	73.47	136.70	57.49	0.45
4965.90	4.17	33.57	4959.69	79.70	118.77	79.70	143.03	56.14	0.74
5060.60	3.85	41.86	5054.16	84.93	122.79	84.93	149.30	55.33	0.70
5155.30	3.16	38.50	5148.68	89.34	126.54	89.34	154.90	54.78	0.76
5250.00	2.48	35.13	5243.27	93.06	129.34	93.06	159.34	54.27	0.74
5344.70	1.86	42.36	5337.90	95.87	131.55	95.87	162.78	53.92	0.71
5439.40	1.24	49.58	5432.57	97.66	133.36	97.66	165.30	53.78	0.68

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
5534.10	1.22	27.50	5527.25	99.22	134.61	99.22	167.22	53.61	0.50
5628.80	1.20	5.42	5621.93	101.09	135.16	101.09	168.78	53.21	0.49
5723.50	1.18	347.29	5716.61	103.03	135.04	103.03	169.86	52.66	0.40
5818.20	1.17	331.16	5811.29	104.83	134.36	104.83	170.42	52.04	0.35
5912.90	1.13	321.86	5905.97	106.42	133.31	106.42	170.58	51.40	0.20
6007.60	1.10	310.56	6000.65	107.74	132.05	107.74	170.42	50.79	0.24
6102.30	0.87	339.98	6095.34	109.01	131.11	109.01	170.51	50.26	0.58
6197.00	0.64	9.41	6190.03	110.21	130.95	110.21	171.16	49.92	0.47
6291.70	0.67	326.38	6284.72	111.20	130.73	111.20	171.62	49.62	0.51
6386.40	0.71	283.35	6379.42	111.79	129.86	111.79	171.35	49.27	0.54
6481.10	0.52	320.41	6474.11	112.26	129.02	112.26	171.02	48.97	0.45
6575.80	0.33	357.47	6568.81	112.87	128.73	112.87	171.20	48.76	0.34
6670.50	0.25	2.21	6663.51	113.35	128.73	113.35	171.52	48.63	0.09
6765.20	0.17	350.95	6758.21	113.70	128.71	113.70	171.74	48.54	0.10
6859.90	0.17	315.47	6852.91	113.94	128.59	113.94	171.81	48.46	0.11
6954.60	0.17	271.98	6947.61	114.04	128.35	114.04	171.70	48.38	0.13
7049.30	0.33	268.21	7042.30	114.04	127.94	114.04	171.39	48.29	0.18
7144.00	0.50	260.43	7137.00	113.96	127.25	113.96	170.82	48.15	0.19
7238.70	0.60	299.41	7231.70	114.14	126.41	114.14	170.32	47.92	0.40
7333.40	0.70	338.40	7326.39	114.91	125.77	114.91	170.36	47.58	0.47
7428.10	0.64	251.23	7421.09	115.28	125.06	115.28	170.09	47.33	0.97
7522.80	0.58	224.06	7515.78	114.77	124.22	114.77	169.12	47.27	0.31
7617.50	0.56	209.22	7610.48	114.02	123.66	114.02	168.20	47.32	0.16
7712.20	0.54	250.38	7705.17	113.46	123.02	113.46	167.35	47.31	0.41
7806.90	0.68	245.39	7799.87	113.08	122.08	113.08	166.41	47.19	0.16
7901.60	0.83	200.40	7894.56	112.20	121.33	112.20	165.26	47.24	0.62
7996.30	0.90	192.59	7989.25	110.84	120.93	110.84	164.04	47.49	0.15
8091.00	0.97	196.78	8083.94	109.35	120.54	109.35	162.75	47.79	0.11
8185.70	0.85	204.23	8178.63	107.94	120.02	107.94	161.42	48.03	0.18
8280.40	0.73	211.67	8273.32	106.78	119.42	106.78	160.20	48.20	0.17
8375.10	0.99	202.28	8368.01	105.51	118.79	105.51	158.88	48.39	0.32
8469.80	1.26	210.88	8462.69	103.86	117.94	103.86	157.15	48.63	0.33
8564.50	1.14	183.45	8557.37	102.03	117.35	102.03	155.51	49.00	0.61
8659.20	1.01	156.02	8652.05	100.33	117.64	100.33	154.61	49.54	0.55
8753.90	1.14	171.65	8746.73	98.63	118.12	98.63	153.88	50.14	0.34
8848.60	1.27	187.29	8841.41	96.65	118.12	96.65	152.62	50.71	0.37
8943.30	1.18	217.50	8936.09	94.84	117.39	94.84	150.92	51.07	0.68
9038.00	1.08	247.70	9030.78	93.73	115.97	93.73	149.11	51.05	0.63
9132.70	0.98	209.62	9125.46	92.69	114.75	92.69	147.50	51.07	0.72

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
9227.40	0.87	173.55	9220.15	91.28	114.43	91.28	146.37	51.42	0.61
9322.10	1.08	213.26	9314.84	89.82	114.02	89.82	145.15	51.77	0.73
9416.80	1.04	225.79	9409.52	88.48	112.91	88.48	143.45	51.92	0.25
9511.50	0.86	211.21	9504.21	87.27	111.93	87.27	141.93	52.06	0.32
9606.20	1.01	235.02	9598.90	86.19	110.88	86.19	140.44	52.14	0.43
9700.90	0.98	242.89	9693.58	85.34	109.48	85.34	138.82	52.06	0.15
9795.60	0.96	237.29	9788.27	84.55	108.10	84.55	137.24	51.97	0.10
9890.30	1.52	211.87	9882.95	83.06	106.77	83.06	135.27	52.12	0.82
9977.50	3.14	236.39	9970.07	80.75	104.18	80.75	131.81	52.22	2.14



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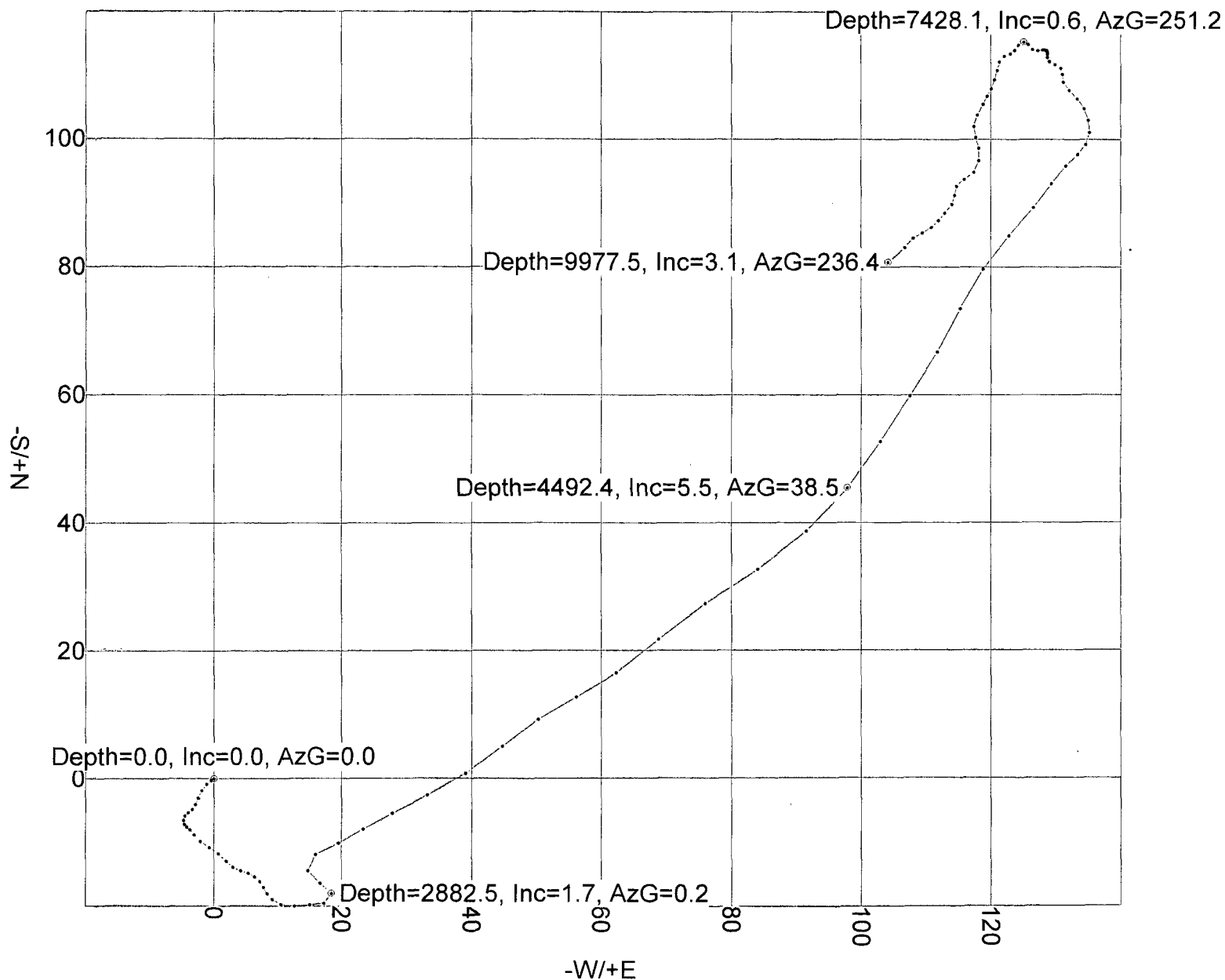
Vaughn Energy Services

Gardendale, TX 79758

(432) 563-5444

Surveyor: Dustin Wedel

Salado Draw 6 Federal No. 001H / API 30-025-41293



devon

Devon Energy

Location: Lea County, NM
Field: (Salado) Sec 6, T26S, R34E
Facility: Salado Draw 6 Fed No.1H

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

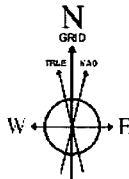


Well Profile Data

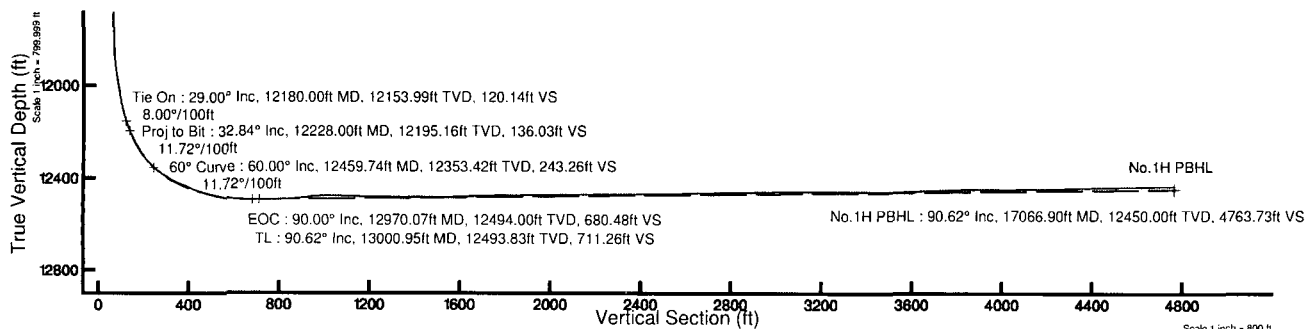
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	12180.00	29.000	305.200	12153.99	117.89	-31.20	8.98	120.14
Proj to Bit	12228.00	32.840	305.200	12195.16	132.10	-51.35	8.00	136.03
60° Curve	12459.74	60.000	305.200	12353.42	227.97	-187.25	11.72	243.26
EOC	12970.07	90.000	359.681	12494.00	649.47	-387.77	11.72	680.48
TL	13000.95	90.618	359.681	12493.83	680.35	-387.95	2.00	711.26
No.1H PBHL	17066.90	90.618	359.681	12450.00	4746.00	-410.62	0.00	4763.73

Plot reference wellpath is Rev-E.0

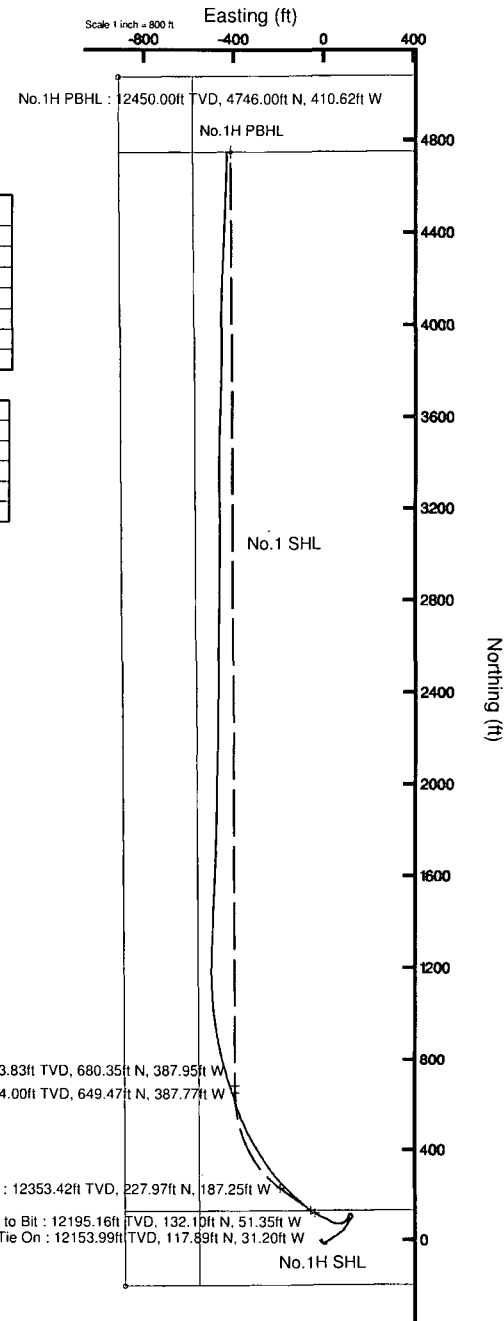
True vertical depths are referenced to Rig on No.1H SHL (KB)	Grid System: NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
Measured depths are referenced to Rig on No.1H SHL (KB)	North Reference: Grid north
Rig on No.1H SHL (KB) to Mean Sea Level: 3344.6 feet	Scale: True distance
Mean Sea Level to Mud line (At Slot: No.1H SHL): -3319.6 feet	Depths are in feet
Coordinates are in feet referenced to Slot	Created by: genlry on 10/28/2013



BGGM (1945.0 to 2015.0) Dip: 60.00° Field: 48309.6 nT
Magnetic North is 7.31 degrees East of True North (at 9/5/2013)
Grid North is 0.51 degrees East of True North
To correct azimuth from True to Grid subtract 0.51 degrees
To correct azimuth from Magnetic to Grid add 6.80 degrees



Azimuth 355.06° with reference 0.00 N, 0.00 E



TL : 12493.83ft TVD, 680.35ft N, 387.95ft W
EOC : 12494.00ft TVD, 649.47ft N, 387.77ft W

60° Curve : 12353.42ft TVD, 227.97ft N, 187.25ft W

Proj to Bit : 12195.16ft TVD, 132.10ft N, 51.35ft W
Tie On : 12153.99ft TVD, 117.89ft N, 31.20ft W

No.1H SHL

No.1H PBHL

Scale 1 inch = 800 ft

Rev-E.0



Actual Wellpath Report

No.1H AWP

Page 1 of 7



REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWB
Facility	Salado Draw 6 Fed No.1H		

REPORT SETUP INFORMATION

Projection System	NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet	Software System	WellArchitect® 4.0.1
North Reference	Grid	User	Gentbry
Scale	1.00001	Report Generated	11/11/2013 at 9:38:39 AM
Convergence at slot	0.51° East	Database/Source file	MidlandDB/No.1H_AWB.xml

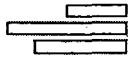
WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	0.00	0.00	794924.04	388627.36	32°03'53.553"N	103°22'52.671"W
Facility Reference Pt			794924.04	388627.36	32°03'53.553"N	103°22'52.671"W
Field Reference Pt			794924.04	388627.36	32°03'53.553"N	103°22'52.671"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	3344.60ft
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	355.06°

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Actual Wellpath Report

No.1H AWP

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BAKER
HUGHES

REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWP
Facility	Salado Draw 6 Fed No.1H		

WELLPATH DATA (218 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	239.410	0.00	0.00	0.00	0.00	794924.04	388627.36	32°03'53.553"N	103°22'52.671"W	0.00	
136.20	0.460	239.410	136.20	-0.24	-0.28	-0.47	794923.57	388627.08	32°03'53.550"N	103°22'52.676"W	0.34	
230.90	0.660	224.620	230.89	-0.75	-0.86	-1.18	794922.86	388626.50	32°03'53.545"N	103°22'52.685"W	0.26	
325.60	0.860	209.830	325.59	-1.69	-1.86	-1.92	794922.12	388625.50	32°03'53.535"N	103°22'52.693"W	0.29	
420.30	0.730	204.770	420.28	-2.80	-3.03	-2.52	794921.52	388624.33	32°03'53.523"N	103°22'52.700"W	0.16	
515.00	0.600	201.710	514.97	-3.77	-4.04	-2.96	794921.08	388623.32	32°03'53.513"N	103°22'52.706"W	0.14	
609.70	0.540	222.410	609.67	-4.51	-4.83	-3.44	794920.60	388622.53	32°03'53.506"N	103°22'52.711"W	0.23	
704.40	0.470	243.110	704.36	-4.96	-5.33	-4.09	794919.95	388622.03	32°03'53.501"N	103°22'52.719"W	0.20	
799.10	0.460	210.160	799.06	-5.42	-5.84	-4.63	794919.41	388621.52	32°03'53.496"N	103°22'52.725"W	0.28	
893.80	0.450	177.220	893.76	-6.10	-6.54	-4.80	794919.24	388620.82	32°03'53.489"N	103°22'52.727"W	0.27	
988.50	0.380	152.070	988.45	-6.76	-7.19	-4.64	794919.40	388620.17	32°03'53.482"N	103°22'52.725"W	0.20	
1083.20	0.300	126.920	1083.15	-7.21	-7.61	-4.29	794919.75	388619.75	32°03'53.478"N	103°22'52.721"W	0.18	
1177.90	0.530	134.810	1177.85	-7.71	-8.07	-3.78	794920.26	388619.29	32°03'53.474"N	103°22'52.716"W	0.25	
1272.60	0.750	142.700	1272.54	-8.57	-8.87	-3.10	794920.94	388618.49	32°03'53.466"N	103°22'52.708"W	0.25	
1367.30	0.940	130.720	1367.23	-9.65	-9.87	-2.13	794921.91	388617.49	32°03'53.456"N	103°22'52.697"W	0.27	
1462.00	1.130	118.750	1461.92	-10.72	-10.83	-0.72	794923.32	388616.53	32°03'53.446"N	103°22'52.680"W	0.30	
1556.70	1.030	130.490	1556.60	-11.85	-11.83	0.74	794924.78	388615.53	32°03'53.436"N	103°22'52.663"W	0.26	
1651.40	0.930	142.230	1651.29	-13.10	-12.99	1.86	794925.90	388614.37	32°03'53.424"N	103°22'52.651"W	0.24	
1746.10	0.860	122.800	1745.98	-14.18	-13.98	2.93	794926.97	388613.38	32°03'53.415"N	103°22'52.638"W	0.33	
1840.80	0.790	103.380	1840.67	-14.82	-14.52	4.16	794928.20	388612.84	32°03'53.409"N	103°22'52.624"W	0.30	
1935.50	0.740	113.910	1935.36	-15.32	-14.92	5.35	794929.39	388612.44	32°03'53.405"N	103°22'52.610"W	0.16	
2030.20	0.690	124.450	2030.05	-15.98	-15.49	6.38	794930.42	388611.87	32°03'53.399"N	103°22'52.598"W	0.15	
2124.90	0.670	139.580	2124.74	-16.79	-16.23	7.21	794931.25	388611.13	32°03'53.392"N	103°22'52.589"W	0.19	
2219.60	0.640	154.700	2219.44	-17.74	-17.13	7.80	794931.84	388610.23	32°03'53.383"N	103°22'52.582"W	0.18	
2314.30	0.720	143.440	2314.13	-18.74	-18.09	8.38	794932.42	388609.27	32°03'53.373"N	103°22'52.575"W	0.16	
2409.00	0.800	132.180	2408.82	-19.73	-19.01	9.22	794933.26	388608.35	32°03'53.364"N	103°22'52.566"W	0.18	
2503.70	1.140	109.420	2503.51	-20.61	-19.77	10.60	794934.64	388607.59	32°03'53.357"N	103°22'52.550"W	0.54	
2598.40	1.470	86.660	2598.19	-21.03	-20.01	12.70	794936.74	388607.35	32°03'53.354"N	103°22'52.525"W	0.64	
2693.10	1.410	84.320	2692.86	-21.05	-19.82	15.07	794939.11	388607.54	32°03'53.356"N	103°22'52.498"W	0.09	
2787.80	1.350	83.990	2787.53	-21.01	-19.59	17.34	794941.38	388607.77	32°03'53.358"N	103°22'52.471"W	0.06	
2882.50	1.710	0.180	2882.20	-19.58	-18.06	18.46	794942.50	388609.30	32°03'53.373"N	103°22'52.458"W	2.18	
2977.20	2.080	276.360	2976.87	-17.84	-16.46	16.75	794940.79	388610.90	32°03'53.389"N	103°22'52.478"W	2.69	
3071.90	2.150	350.020	3071.52	-15.73	-14.52	14.74	794938.78	388612.84	32°03'53.408"N	103°22'52.501"W	2.68	
3166.60	2.230	63.680	3166.17	-13.29	-11.95	16.08	794940.12	388615.41	32°03'53.433"N	103°22'52.485"W	2.77	
3261.30	2.510	61.400	3260.78	-11.79	-10.14	19.55	794943.59	388617.22	32°03'53.451"N	103°22'52.445"W	0.31	
3356.00	2.790	59.120	3355.38	-9.95	-7.96	23.35	794947.39	388619.40	32°03'53.472"N	103°22'52.400"W	0.32	
3450.70	3.410	61.280	3449.94	-7.80	-5.43	27.80	794951.84	388621.93	32°03'53.497"N	103°22'52.348"W	0.67	
3545.40	4.040	63.440	3544.44	-5.44	-2.58	33.25	794957.29	388624.78	32°03'53.525"N	103°22'52.285"W	0.68	
3640.10	4.190	56.550	3638.90	-2.56	0.82	39.12	794963.16	388628.18	32°03'53.558"N	103°22'52.216"W	0.55	
3734.80	4.330	49.670	3733.34	1.16	5.04	44.74	794968.78	388632.40	32°03'53.599"N	103°22'52.151"W	0.56	
3829.50	4.200	56.260	3827.78	4.90	9.28	50.34	794974.38	388636.64	32°03'53.641"N	103°22'52.085"W	0.54	
3924.20	4.060	62.860	3922.23	7.84	12.73	56.21	794980.25	388640.09	32°03'53.674"N	103°22'52.016"W	0.52	
4018.90	4.730	54.680	4016.65	11.08	16.52	62.38	794986.42	388643.88	32°03'53.711"N	103°22'51.944"W	0.97	
4113.60	5.390	47.500	4110.99	15.76	21.78	68.85	794992.89	388649.14	32°03'53.763"N	103°22'51.869"W	0.96	
4208.30	5.680	56.630	4205.25	20.71	27.36	76.04	795000.08	388654.72	32°03'53.817"N	103°22'51.784"W	0.98	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWB
Facility	Salado Draw 6 Fed No.1H		

WELLPATH DATA (218 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
4303.00	5.970	55.770	4299.46	25.35	32.71	84.02	795008.07	388660.07	32°03'53.869"N	103°22'51.691"W	0.32	
4397.70	5.740	47.650	4393.66	30.63	38.67	91.60	795015.64	388666.03	32°03'53.928"N	103°22'51.603"W	0.91	
4492.40	5.510	38.530	4487.91	36.81	45.42	97.93	795021.97	388672.78	32°03'53.994"N	103°22'51.528"W	0.97	
4587.10	5.260	31.160	4582.19	43.61	52.69	103.01	795027.05	388680.05	32°03'54.066"N	103°22'51.469"W	0.78	
4681.80	5.010	33.780	4676.51	50.35	59.84	107.55	795031.59	388687.20	32°03'54.136"N	103°22'51.415"W	0.36	
4776.50	4.750	29.530	4770.87	56.81	66.69	111.78	795035.82	388694.05	32°03'54.203"N	103°22'51.365"W	0.47	
4871.20	4.490	25.270	4865.26	63.24	73.45	115.30	795039.34	388700.81	32°03'54.270"N	103°22'51.324"W	0.45	
4965.90	4.170	33.570	4959.69	69.14	79.67	118.79	795042.83	388707.04	32°03'54.331"N	103°22'51.282"W	0.74	
5060.60	3.850	41.860	5054.16	74.01	84.91	122.81	795046.85	388712.27	32°03'54.383"N	103°22'51.235"W	0.70	
5155.30	3.160	38.500	5148.68	78.08	89.32	126.56	795050.60	388716.68	32°03'54.426"N	103°22'51.191"W	0.76	
5250.00	2.480	35.130	5243.27	81.54	93.04	129.36	795053.40	388720.40	32°03'54.463"N	103°22'51.158"W	0.74	
5344.70	1.860	42.360	5337.90	84.15	95.85	131.58	795055.62	388723.21	32°03'54.490"N	103°22'51.132"W	0.71	
5439.40	1.240	49.580	5432.57	85.79	97.65	133.39	795057.43	388725.01	32°03'54.508"N	103°22'51.111"W	0.69	
5534.10	1.220	27.500	5527.24	87.24	99.21	134.64	795058.68	388726.57	32°03'54.523"N	103°22'51.096"W	0.50	
5628.80	1.200	5.420	5621.92	89.06	101.09	135.20	795059.24	388728.45	32°03'54.542"N	103°22'51.090"W	0.49	
5723.50	1.180	347.290	5716.60	91.00	103.03	135.08	795059.12	388730.39	32°03'54.561"N	103°22'51.091"W	0.40	
5818.20	1.170	331.160	5811.28	92.85	104.83	134.39	795058.44	388732.19	32°03'54.579"N	103°22'51.098"W	0.35	
5912.90	1.130	321.860	5905.97	94.52	106.41	133.35	795057.39	388733.77	32°03'54.594"N	103°22'51.110"W	0.20	
6007.60	1.100	310.560	6000.65	95.95	107.74	132.08	795056.12	388735.10	32°03'54.608"N	103°22'51.125"W	0.23	
6102.30	0.870	339.980	6095.33	97.29	109.00	131.15	795055.19	388736.36	32°03'54.620"N	103°22'51.136"W	0.58	
6197.00	0.640	9.410	6190.03	98.50	110.20	130.99	795055.03	388737.56	32°03'54.632"N	103°22'51.138"W	0.47	
6291.70	0.670	326.380	6284.72	99.50	111.18	130.77	795054.81	388738.54	32°03'54.642"N	103°22'51.140"W	0.51	
6386.40	0.710	283.350	6379.41	100.17	111.78	129.89	795053.93	388739.14	32°03'54.648"N	103°22'51.150"W	0.54	
6481.10	0.520	320.410	6474.11	100.70	112.25	129.05	795053.09	388739.61	32°03'54.653"N	103°22'51.160"W	0.45	
6575.80	0.330	357.470	6568.81	101.33	112.85	128.76	795052.80	388740.21	32°03'54.659"N	103°22'51.163"W	0.34	
6670.50	0.250	2.210	6663.51	101.81	113.33	128.76	795052.80	388740.69	32°03'54.663"N	103°22'51.163"W	0.09	
6765.20	0.170	350.950	6758.20	102.15	113.67	128.74	795052.78	388741.03	32°03'54.667"N	103°22'51.163"W	0.09	
6859.90	0.170	315.470	6852.90	102.40	113.91	128.62	795052.66	388741.27	32°03'54.669"N	103°22'51.165"W	0.11	
6954.60	0.170	271.980	6947.60	102.53	114.02	128.38	795052.42	388741.38	32°03'54.670"N	103°22'51.167"W	0.13	
7049.30	0.330	268.210	7042.30	102.56	114.01	127.97	795052.01	388741.37	32°03'54.670"N	103°22'51.172"W	0.17	
7144.00	0.500	260.430	7137.00	102.54	113.94	127.29	795051.33	388741.30	32°03'54.669"N	103°22'51.180"W	0.19	
7238.70	0.600	299.410	7231.70	102.79	114.11	126.45	795050.49	388741.47	32°03'54.671"N	103°22'51.190"W	0.40	
7333.40	0.700	338.400	7326.39	103.62	114.89	125.80	795049.85	388742.25	32°03'54.679"N	103°22'51.197"W	0.47	
7428.10	0.640	251.230	7421.09	104.05	115.26	125.09	795049.13	388742.62	32°03'54.683"N	103°22'51.206"W	0.98	
7522.80	0.580	224.060	7515.78	103.61	114.75	124.26	795048.30	388742.11	32°03'54.678"N	103°22'51.215"W	0.31	
7617.50	0.560	209.220	7610.48	102.91	114.00	123.70	795047.74	388741.36	32°03'54.670"N	103°22'51.222"W	0.16	
7712.20	0.540	250.380	7705.17	102.41	113.44	123.05	795047.09	388740.80	32°03'54.665"N	103°22'51.229"W	0.41	
7806.90	0.680	245.390	7799.87	102.11	113.06	122.12	795046.16	388740.42	32°03'54.661"N	103°22'51.240"W	0.16	
7901.60	0.830	200.400	7894.56	101.30	112.18	121.37	795045.41	388739.54	32°03'54.653"N	103°22'51.249"W	0.63	
7996.30	0.900	192.590	7989.25	99.97	110.81	120.97	795045.01	388738.17	32°03'54.639"N	103°22'51.254"W	0.14	
8091.00	0.970	196.780	8083.94	98.52	109.32	120.57	795044.62	388736.68	32°03'54.624"N	103°22'51.259"W	0.10	
8185.70	0.850	204.230	8178.62	97.16	107.91	120.06	795044.10	388735.27	32°03'54.610"N	103°22'51.265"W	0.18	
8280.40	0.730	211.670	8273.32	96.06	106.76	119.45	795043.49	388734.12	32°03'54.599"N	103°22'51.272"W	0.17	
8375.10	0.990	202.280	8368.00	94.85	105.49	118.82	795042.86	388732.85	32°03'54.587"N	103°22'51.279"W	0.31	
8469.80	1.260	210.880	8462.69	93.28	103.84	117.98	795042.02	388731.20	32°03'54.570"N	103°22'51.289"W	0.34	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWB
Facility	Salado Draw 6 Fed No.1H		

WELLPATH DATA (218 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
8564.50	1.140	183.450	8557.37	91.51	102.00	117.39	795041.43	388729.36	32°03'54.552"N	103°22'51.296"W	0.61	
8659.20	1.010	156.020	8652.05	89.78	100.30	117.67	795041.71	388727.66	32°03'54.535"N	103°22'51.293"W	0.55	
8753.90	1.140	171.650	8746.73	88.05	98.61	118.15	795042.19	388725.97	32°03'54.519"N	103°22'51.288"W	0.34	
8848.60	1.270	187.290	8841.41	86.09	96.63	118.15	795042.19	388723.99	32°03'54.499"N	103°22'51.288"W	0.37	
8943.30	1.180	217.500	8936.09	84.34	94.82	117.42	795041.46	388722.18	32°03'54.481"N	103°22'51.297"W	0.68	
9038.00	1.080	247.700	9030.78	83.36	93.71	116.00	795040.04	388721.07	32°03'54.470"N	103°22'51.313"W	0.63	
9132.70	0.980	209.620	9125.46	82.42	92.66	114.78	795038.82	388720.02	32°03'54.460"N	103°22'51.328"W	0.72	
9227.40	0.870	173.550	9220.15	81.04	91.24	114.46	795038.50	388718.61	32°03'54.446"N	103°22'51.332"W	0.61	
9322.10	1.080	213.260	9314.84	79.62	89.78	114.05	795038.09	388717.14	32°03'54.432"N	103°22'51.336"W	0.73	
9416.80	1.040	225.790	9409.52	78.37	88.44	112.94	795036.98	388715.80	32°03'54.418"N	103°22'51.349"W	0.25	
9511.50	0.860	211.210	9504.21	77.26	87.23	111.96	795036.00	388714.59	32°03'54.407"N	103°22'51.361"W	0.32	
9606.20	1.010	235.020	9598.90	76.26	86.14	110.91	795034.95	388713.51	32°03'54.396"N	103°22'51.373"W	0.44	
9700.90	0.980	242.890	9693.58	75.54	85.30	109.50	795033.54	388712.66	32°03'54.388"N	103°22'51.390"W	0.15	
9795.60	0.960	237.290	9788.27	74.87	84.50	108.11	795032.16	388711.86	32°03'54.380"N	103°22'51.406"W	0.10	
9890.30	1.520	211.870	9882.95	73.49	83.00	106.78	795030.82	388710.36	32°03'54.365"N	103°22'51.422"W	0.82	
9977.50	3.140	236.390	9970.07	71.42	80.70	104.18	795028.22	388708.06	32°03'54.343"N	103°22'51.452"W	2.14	
10064.00	3.200	226.500	10056.44	68.78	77.73	100.46	795024.50	388705.09	32°03'54.314"N	103°22'51.496"W	0.64	
10160.00	2.200	239.100	10152.33	66.30	74.94	96.93	795020.98	388702.30	32°03'54.286"N	103°22'51.537"W	1.21	
10255.00	2.200	240.900	10247.26	64.76	73.11	93.78	795017.82	388700.47	32°03'54.268"N	103°22'51.574"W	0.07	
10350.00	1.700	251.920	10342.21	63.69	71.79	90.84	795014.88	388699.15	32°03'54.256"N	103°22'51.608"W	0.66	
10444.00	2.000	259.100	10436.16	63.20	71.05	87.91	795011.95	388698.41	32°03'54.248"N	103°22'51.642"W	0.40	
10539.00	0.700	249.890	10531.13	62.88	70.53	85.74	795009.78	388697.89	32°03'54.244"N	103°22'51.667"W	1.38	
10634.00	0.600	264.510	10626.13	62.72	70.29	84.70	795008.74	388697.65	32°03'54.241"N	103°22'51.680"W	0.20	
10728.00	1.100	252.400	10720.11	62.52	69.97	83.35	795007.39	388697.33	32°03'54.238"N	103°22'51.695"W	0.56	
10823.00	1.200	278.600	10815.10	62.55	69.84	81.49	795005.53	388697.20	32°03'54.237"N	103°22'51.717"W	0.56	
10917.00	1.000	296.300	10909.08	63.21	70.35	79.78	795003.82	388697.71	32°03'54.242"N	103°22'51.737"W	0.42	
11012.00	0.900	282.800	11004.07	63.87	70.88	78.31	795002.35	388698.24	32°03'54.248"N	103°22'51.754"W	0.26	
11107.00	0.800	277.000	11099.06	64.23	71.13	76.93	795000.97	388698.49	32°03'54.250"N	103°22'51.770"W	0.14	
11201.00	0.900	285.400	11193.05	64.62	71.40	75.56	794999.60	388698.76	32°03'54.253"N	103°22'51.785"W	0.17	
11296.00	1.000	250.800	11288.03	64.68	71.33	74.06	794998.10	388698.69	32°03'54.253"N	103°22'51.803"W	0.60	
11391.00	1.300	253.500	11383.01	64.26	70.75	72.25	794996.29	388698.11	32°03'54.247"N	103°22'51.824"W	0.32	
11486.00	1.100	252.500	11477.99	63.85	70.17	70.34	794994.38	388697.53	32°03'54.241"N	103°22'51.846"W	0.21	
11580.00	1.600	261.400	11571.97	63.57	69.70	68.18	794992.23	388697.06	32°03'54.237"N	103°22'51.871"W	0.58	
11675.00	2.100	274.500	11666.92	63.77	69.64	65.14	794989.18	388697.00	32°03'54.237"N	103°22'51.907"W	0.69	
11764.00	2.600	280.200	11755.84	64.56	70.13	61.53	794985.57	388697.49	32°03'54.242"N	103°22'51.949"W	0.62	
11801.00	2.400	281.000	11792.81	64.99	70.42	59.94	794983.98	388697.78	32°03'54.245"N	103°22'51.967"W	0.55	
11833.00	4.000	282.100	11824.76	65.51	70.78	58.19	794982.23	388698.15	32°03'54.249"N	103°22'51.987"W	5.00	
11864.00	6.900	288.700	11855.61	66.57	71.61	55.37	794979.41	388698.97	32°03'54.257"N	103°22'52.020"W	9.56	
11896.00	10.800	295.000	11887.23	68.84	73.49	50.83	794974.87	388700.85	32°03'54.276"N	103°22'52.073"W	12.54	
11927.00	14.400	295.600	11917.48	72.25	76.39	44.72	794968.76	388703.75	32°03'54.305"N	103°22'52.143"W	11.62	
11959.00	14.400	304.200	11948.47	76.78	80.34	37.84	794961.88	388707.70	32°03'54.345"N	103°22'52.223"W	6.68	
11991.00	13.900	305.000	11979.50	81.76	84.78	31.40	794955.44	388712.14	32°03'54.389"N	103°22'52.297"W	1.68	
12022.00	16.100	296.700	12009.45	86.41	88.85	24.51	794948.55	388716.21	32°03'54.430"N	103°22'52.377"W	9.90	
12054.00	19.500	295.000	12039.91	91.40	93.10	15.70	794939.74	388720.46	32°03'54.473"N	103°22'52.479"W	10.75	
12085.00	22.500	293.200	12068.85	96.79	97.63	5.56	794929.60	388724.99	32°03'54.519"N	103°22'52.596"W	9.90	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWB
Facility	Salado Draw 6 Fed No.1H		

WELLPATH DATA (218 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
12117.00	26.300	295.500	12097.99	103.27	103.09	-6.48	794917.56	388730.46	32°03'54.574"N	103°22'52.736"W	12.24	
12149.00	26.900	301.300	12126.60	111.14	109.91	-19.06	794904.98	388737.27	32°03'54.642"N	103°22'52.881"W	8.33	
12180.00	29.000	305.200	12153.99	120.14	117.89	-31.20	794892.84	388745.25	32°03'54.722"N	103°22'53.021"W	8.98	
12212.00	29.900	305.600	12181.85	130.32	127.00	-44.02	794880.02	388754.36	32°03'54.814"N	103°22'53.169"W	2.88	
12243.00	32.000	306.700	12208.44	140.80	136.41	-56.89	794867.15	388763.77	32°03'54.908"N	103°22'53.318"W	7.02	
12275.00	35.900	308.800	12234.98	152.93	147.36	-71.01	794853.03	388774.72	32°03'55.017"N	103°22'53.481"W	12.73	
12307.00	39.500	310.300	12260.30	166.65	159.82	-86.08	794837.95	388787.18	32°03'55.142"N	103°22'53.655"W	11.61	
12338.00	43.400	311.500	12283.53	181.37	173.26	-101.59	794822.45	388800.62	32°03'55.277"N	103°22'53.834"W	12.84	
12370.00	47.200	312.400	12306.03	197.98	188.47	-118.50	794805.54	388815.83	32°03'55.428"N	103°22'54.028"W	12.04	
12401.00	51.200	312.900	12326.28	215.31	204.37	-135.75	794788.29	388831.73	32°03'55.587"N	103°22'54.227"W	12.96	
12433.00	55.100	313.400	12345.47	234.36	221.88	-154.43	794769.61	388849.24	32°03'55.762"N	103°22'54.443"W	12.25	
12464.00	59.100	315.300	12362.31	254.10	240.08	-173.03	794751.01	388867.44	32°03'55.944"N	103°22'54.657"W	13.89	
12496.00	61.100	317.400	12378.26	275.74	260.15	-192.17	794731.87	388887.51	32°03'56.144"N	103°22'54.877"W	8.45	
12527.00	63.200	320.500	12392.74	297.89	280.82	-210.16	794713.88	388908.18	32°03'56.350"N	103°22'55.084"W	11.14	
12559.00	65.800	324.500	12406.52	322.23	303.73	-227.73	794696.31	388931.09	32°03'56.579"N	103°22'55.286"W	13.90	
12590.00	68.200	326.000	12418.64	346.99	327.18	-243.99	794680.05	388954.54	32°03'56.812"N	103°22'55.472"W	8.93	
12622.00	69.500	326.600	12430.18	373.15	352.01	-260.54	794663.49	388979.37	32°03'57.059"N	103°22'55.662"W	4.42	
12654.00	70.800	327.400	12441.05	399.72	377.25	-276.94	794647.10	389004.61	32°03'57.310"N	103°22'55.850"W	4.69	
12685.00	72.200	328.500	12450.88	425.88	402.17	-292.54	794631.50	389029.53	32°03'57.558"N	103°22'56.029"W	5.63	
12717.00	73.200	330.100	12460.40	453.40	428.43	-308.13	794615.91	389055.80	32°03'57.820"N	103°22'56.207"W	5.71	
12749.00	75.900	331.800	12468.92	481.55	455.40	-323.10	794600.93	389082.76	32°03'58.088"N	103°22'56.379"W	9.87	
12780.00	77.900	333.500	12475.95	509.46	482.21	-336.97	794587.07	389109.58	32°03'58.354"N	103°22'56.537"W	8.38	
12811.00	79.500	335.400	12482.03	537.92	509.64	-350.08	794573.96	389137.00	32°03'58.627"N	103°22'56.687"W	7.92	
12843.00	81.100	338.000	12487.42	567.85	538.60	-362.55	794561.48	389165.97	32°03'58.914"N	103°22'56.829"W	9.44	
12874.00	83.800	339.700	12491.49	597.36	567.26	-373.64	794550.40	389194.63	32°03'59.199"N	103°22'56.954"W	10.27	
12906.00	86.900	340.800	12494.08	628.19	597.28	-384.42	794539.62	389224.64	32°03'59.497"N	103°22'57.077"W	10.28	
12966.00	90.800	342.500	12495.29	686.53	654.20	-403.30	794520.74	389281.57	32°04'00.062"N	103°22'57.290"W	7.09	
12997.00	91.100	342.100	12494.77	716.76	683.73	-412.72	794511.32	389311.09	32°04'00.355"N	103°22'57.397"W	1.61	
13029.00	90.900	342.600	12494.22	747.97	714.22	-422.42	794501.62	389341.58	32°04'00.657"N	103°22'57.506"W	1.68	
13060.00	91.100	343.600	12493.68	778.29	743.88	-431.43	794492.61	389371.24	32°04'00.952"N	103°22'57.608"W	3.29	
13091.00	92.800	345.800	12492.62	808.77	773.76	-439.61	794484.43	389401.12	32°04'01.248"N	103°22'57.700"W	8.97	
13123.00	93.800	346.700	12490.78	840.34	804.79	-447.20	794476.84	389432.15	32°04'01.556"N	103°22'57.785"W	4.20	
13155.00	94.700	347.400	12488.41	871.94	835.89	-454.35	794469.69	389463.25	32°04'01.864"N	103°22'57.865"W	3.56	
13173.00	94.900	347.700	12486.90	889.72	853.40	-458.22	794465.82	389480.77	32°04'02.038"N	103°22'57.908"W	2.00	
13205.00	96.400	348.400	12483.75	921.33	884.55	-464.81	794459.23	389511.92	32°04'02.347"N	103°22'57.981"W	5.17	
13236.00	94.200	349.600	12480.89	952.02	914.85	-470.70	794453.34	389542.22	32°04'02.647"N	103°22'58.047"W	8.08	
13268.00	92.000	350.700	12479.16	983.85	946.33	-476.17	794447.87	389573.70	32°04'02.959"N	103°22'58.107"W	7.68	
13299.00	90.100	352.400	12478.59	1014.79	976.99	-480.72	794443.32	389604.36	32°04'03.263"N	103°22'58.157"W	8.22	
13331.00	88.800	354.100	12478.90	1046.77	1008.76	-484.48	794439.56	389636.13	32°04'03.577"N	103°22'58.197"W	6.69	
13363.00	88.600	354.900	12479.62	1078.76	1040.61	-487.55	794436.49	389667.97	32°04'03.893"N	103°22'58.230"W	2.58	
13394.00	89.100	356.500	12480.24	1109.75	1071.51	-489.87	794434.17	389698.88	32°04'04.199"N	103°22'58.253"W	5.41	
13426.00	89.100	357.900	12480.75	1141.72	1103.47	-491.43	794432.60	389730.84	32°04'04.515"N	103°22'58.268"W	4.37	
13458.00	89.100	358.500	12481.25	1173.67	1135.45	-492.44	794431.60	389762.82	32°04'04.832"N	103°22'58.277"W	1.87	
13489.00	89.400	359.500	12481.65	1204.59	1166.44	-492.98	794431.06	389793.81	32°04'05.138"N	103°22'58.280"W	3.37	
13553.00	89.700	1.300	12482.16	1268.31	1230.44	-492.53	794431.50	389857.80	32°04'05.772"N	103°22'58.268"W	2.85	



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWB
Facility	Salado Draw 6 Fed No.1H		

WELLPATH DATA (218 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
13647.00	89.800	2.000	12482.57	1361.69	1324.40	-489.83	794434.21	389951.76	32°04'06.701"N	103°22'58.227"W	0.75	
13742.00	89.200	1.900	12483.40	1456.00	1419.34	-486.59	794437.44	390046.71	32°04'07.640"N	103°22'58.180"W	0.64	
13837.00	91.900	2.500	12482.48	1550.25	1514.25	-482.95	794441.09	390141.62	32°04'08.579"N	103°22'58.128"W	2.91	
13932.00	91.900	2.900	12479.33	1644.35	1609.10	-478.47	794445.56	390236.47	32°04'09.517"N	103°22'58.066"W	0.42	
14027.00	90.700	0.800	12477.18	1738.65	1704.01	-475.41	794448.63	390331.39	32°04'10.456"N	103°22'58.021"W	2.55	
14122.00	90.800	1.600	12475.94	1833.10	1798.98	-473.42	794450.62	390426.36	32°04'11.396"N	103°22'57.988"W	0.85	
14217.00	90.200	0.800	12475.11	1927.55	1893.96	-471.43	794452.61	390521.33	32°04'12.336"N	103°22'57.955"W	1.05	
14311.00	90.800	1.100	12474.29	2021.04	1987.94	-469.87	794454.16	390615.32	32°04'13.265"N	103°22'57.927"W	0.71	
14406.00	91.000	0.800	12472.79	2115.53	2082.92	-468.30	794455.74	390710.29	32°04'14.205"N	103°22'57.899"W	0.38	
14501.00	90.800	0.500	12471.30	2210.07	2177.90	-467.22	794456.82	390805.27	32°04'15.145"N	103°22'57.877"W	0.38	
14596.00	89.700	0.400	12470.89	2304.64	2272.89	-466.47	794457.56	390900.27	32°04'16.085"N	103°22'57.859"W	1.16	
14691.00	91.000	1.400	12470.31	2399.14	2367.88	-464.98	794459.06	390995.25	32°04'17.025"N	103°22'57.831"W	1.73	
14787.00	90.200	0.500	12469.30	2494.63	2463.86	-463.39	794460.65	391091.23	32°04'17.974"N	103°22'57.803"W	1.25	
14881.00	91.800	1.400	12467.66	2588.11	2557.83	-461.83	794462.20	391185.20	32°04'18.904"N	103°22'57.775"W	1.95	
14976.00	90.700	0.600	12465.59	2682.58	2652.79	-460.17	794463.86	391280.16	32°04'19.843"N	103°22'57.746"W	1.43	
15071.00	91.400	0.900	12463.85	2777.09	2747.76	-458.93	794465.11	391375.14	32°04'20.783"N	103°22'57.722"W	0.80	
15166.00	90.200	359.400	12462.52	2871.70	2842.75	-458.68	794465.35	391470.13	32°04'21.723"N	103°22'57.710"W	2.02	
15261.00	91.400	1.000	12461.20	2966.31	2937.73	-458.35	794465.69	391565.11	32°04'22.663"N	103°22'57.696"W	2.11	
15356.00	90.000	0.300	12460.03	3060.84	3032.72	-457.27	794466.76	391660.10	32°04'23.603"N	103°22'57.674"W	1.65	
15450.00	89.400	359.100	12460.53	3154.53	3126.71	-457.77	794466.27	391754.09	32°04'24.533"N	103°22'57.670"W	1.43	
15545.00	90.100	359.000	12460.94	3249.30	3221.70	-459.34	794464.70	391849.08	32°04'25.473"N	103°22'57.678"W	0.74	
15640.00	90.600	359.900	12460.36	3344.02	3316.69	-460.25	794463.78	391944.07	32°04'26.413"N	103°22'57.679"W	1.08	
15735.00	89.600	359.600	12460.20	3438.70	3411.69	-460.67	794463.37	392039.07	32°04'27.353"N	103°22'57.674"W	1.10	
15831.00	90.600	1.400	12460.03	3534.26	3507.68	-459.83	794464.21	392135.06	32°04'28.303"N	103°22'57.655"W	2.14	
15925.00	92.400	1.900	12457.57	3627.60	3601.60	-457.12	794466.91	392228.99	32°04'29.232"N	103°22'57.614"W	1.99	
16021.00	91.700	1.000	12454.13	3722.94	3697.51	-454.70	794469.34	392324.89	32°04'30.181"N	103°22'57.576"W	1.19	
16115.00	91.300	0.700	12451.67	3816.43	3791.47	-453.30	794470.73	392418.85	32°04'31.110"N	103°22'57.550"W	0.53	
16210.00	90.800	0.700	12449.93	3910.95	3886.44	-452.14	794471.89	392513.83	32°04'32.050"N	103°22'57.527"W	0.53	
16305.00	90.100	359.600	12449.19	4005.57	3981.44	-451.89	794472.14	392608.82	32°04'32.990"N	103°22'57.514"W	1.37	
16399.00	90.400	1.200	12448.78	4099.16	4075.43	-451.24	794472.80	392702.82	32°04'33.920"N	103°22'57.497"W	1.73	
16494.00	90.800	2.200	12447.78	4193.51	4170.38	-448.42	794475.62	392797.77	32°04'34.860"N	103°22'57.454"W	1.13	
16589.00	91.200	2.600	12446.12	4287.72	4265.28	-444.44	794479.59	392892.67	32°04'35.798"N	103°22'57.398"W	0.60	
16684.00	91.400	2.600	12443.97	4381.87	4360.16	-440.13	794483.90	392987.55	32°04'36.737"N	103°22'57.339"W	0.21	
16778.00	91.200	2.100	12441.83	4475.09	4454.06	-436.28	794487.76	393081.45	32°04'37.666"N	103°22'57.284"W	0.57	
16873.00	91.100	1.900	12439.93	4569.37	4548.98	-432.97	794491.07	393176.37	32°04'38.605"N	103°22'57.236"W	0.24	
16968.00	90.600	2.000	12438.52	4663.67	4643.92	-429.73	794494.30	393271.31	32°04'39.544"N	103°22'57.189"W	0.54	
17012.00	91.000	1.700	12437.90	4707.36	4687.89	-428.31	794495.72	393315.28	32°04'39.979"N	103°22'57.168"W	1.14	
17070.00	91.000	1.700	12436.89	4764.96	4745.85	-426.59	794497.44	393373.25	32°04'40.552"N	103°22'57.142"W	0.00	Proj to Bit



Actual Wellpath Report

No.1H AWP

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REFERENCE WELLPATH IDENTIFICATION

Operator	Devon Energy	Slot	No.1H SHL
Area	Lea County, NM	Well	No.1H
Field	(Salado) Sec 6, T26S, R34E	Wellbore	No.1H AWB
Facility	Salado Draw 6 Fed No.1H		

TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
No.1H PBHL		12450.00	4746.00	-410.62	794513.42	393373.39	32°04'40.552"N	103°22'56.956"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
0.00	9977.50	Generic gyro - northseeking (Standard)	VES Gyro <136.2-9977.5>	No.1H AWB
9977.50	17012.00	NaviTrak (Standard)	BHI MWD NaviTrak <10064-XXXX>	No.1H AWB
17012.00	17070.00	Blind Drilling (std)	Projection to bit	No.1H AWB

ACTUAL WELLPATH REPORT (CSV version)

Prepared by Baker Hughes

Software System: WellArchitect® 4.0.1

REFERENCE WELLPATH IDENTIFICATION

Operator Devon Energy
Area Lea County, NM
Field (Salado) Sec 6, T26S, R34E
Facility Salado Draw 6 Fed No.1H
Slot No.1H SHL
Well No.1H
Wellbore No.1H AWB
Wellpath No.1H AWP
Sidetrack (none)

REPORT SETUP INFORMATION

Projection : NAD27 / TM New Mexico SP, Eastern Zone (3001), US feet
North Refe Grid
Scale 1.00001
Convergence 0.51° East
Software System WellArchitect® 4.0.1
User Gentbry
Report Generated 11/11/2013 at 9:38:41 AM
DataBase/Path MidlandDB/ev12.xml

WELLPATH	Local North [ft]	Local East [ft]	Easting [US ft]	Northing [US ft]	Latitude	Longitude
Slot Location	0	0	794924	388627.4	32°03'53.5"	103°22'52.671"W
Facility Ref			794924	388627.4	32°03'53.5"	103°22'52.671"W
Field Reference			794924	388627.4	32°03'53.5"	103°22'52.671"W

WELLPATH DATUM

Calculation Minimum curvature
Horizontal Slot
Vertical Reference Rig on No.1H SHL (KB)
MD Reference Rig on No.1H SHL (KB)
Field Vertical Mean Sea Level
Rig on No.125.00ft
Rig on No.13344.60ft
Rig on No.125.00ft
Section Orientation N 0.00, E 0.00 ft
Section Azimuth 355.06°

WELLPATH DATA † = 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	0	239.41	0	0	0	0	794924	388627.4	32°03'53.5"	103°22'52.671"	0	
136.2	0.46	239.41	136.2	-0.24	-0.28	-0.47	794923.6	388627.1	32°03'53.5"	103°22'52.671"	0.34	
230.9	0.66	224.62	230.89	-0.75	-0.86	-1.18	794922.9	388626.5	32°03'53.5"	103°22'52.671"	0.26	
325.6	0.86	209.83	325.59	-1.69	-1.86	-1.92	794922.1	388625.5	32°03'53.5"	103°22'52.671"	0.29	
420.3	0.73	204.77	420.28	-2.8	-3.03	-2.52	794921.5	388624.3	32°03'53.5"	103°22'52.671"	0.16	
515	0.6	201.71	514.97	-3.77	-4.04	-2.96	794921.1	388623.3	32°03'53.5"	103°22'52.671"	0.14	
609.7	0.54	222.41	609.67	-4.51	-4.83	-3.44	794920.6	388622.5	32°03'53.5"	103°22'52.671"	0.23	
704.4	0.47	243.11	704.36	-4.96	-5.33	-4.09	794920	388622	32°03'53.5"	103°22'52.671"	0.2	
799.1	0.46	210.16	799.06	-5.42	-5.84	-4.63	794919.4	388621.5	32°03'53.4"	103°22'52.671"	0.28	
893.8	0.45	177.22	893.76	-6.1	-6.54	-4.8	794919.2	388620.8	32°03'53.4"	103°22'52.671"	0.27	
988.5	0.38	152.07	988.45	-6.76	-7.19	-4.64	794919.4	388620.2	32°03'53.4"	103°22'52.671"	0.2	
1083.2	0.3	126.92	1083.15	-7.21	-7.61	-4.29	794919.8	388619.8	32°03'53.4"	103°22'52.671"	0.18	
1177.9	0.53	134.81	1177.85	-7.71	-8.07	-3.78	794920.3	388619.3	32°03'53.4"	103°22'52.671"	0.25	
1272.6	0.75	142.7	1272.54	-8.57	-8.87	-3.1	794920.9	388618.5	32°03'53.4"	103°22'52.671"	0.25	
1367.3	0.94	130.72	1367.23	-9.65	-9.87	-2.13	794921.9	388617.5	32°03'53.4"	103°22'52.671"	0.27	
1462	1.13	118.75	1461.92	-10.72	-10.83	-0.72	794923.3	388616.5	32°03'53.4"	103°22'52.671"	0.3	
1556.7	1.03	130.49	1556.6	-11.85	-11.83	0.74	794924.8	388615.5	32°03'53.4"	103°22'52.671"	0.26	
1651.4	0.93	142.23	1651.29	-13.1	-12.99	1.86	794925.9	388614.4	32°03'53.4"	103°22'52.671"	0.24	
1746.1	0.86	122.8	1745.98	-14.18	-13.98	2.93	794927	388613.4	32°03'53.4"	103°22'52.671"	0.33	

1840.8	0.79	103.38	1840.67	-14.82	-14.52	4.16	794928.2	388612.8	32°03'53.4" 103°22'52.6"	0.3
1935.5	0.74	113.91	1935.36	-15.32	-14.92	5.35	794929.4	388612.4	32°03'53.4" 103°22'52.6"	0.16
2030.2	0.69	124.45	2030.05	-15.98	-15.49	6.38	794930.4	388611.9	32°03'53.3" 103°22'52.6"	0.15
2124.9	0.67	139.58	2124.74	-16.79	-16.23	7.21	794931.3	388611.1	32°03'53.3" 103°22'52.6"	0.19
2219.6	0.64	154.7	2219.44	-17.74	-17.13	7.8	794931.8	388610.2	32°03'53.3" 103°22'52.6"	0.18
2314.3	0.72	143.44	2314.13	-18.74	-18.09	8.38	794932.4	388609.3	32°03'53.3" 103°22'52.6"	0.16
2409	0.8	132.18	2408.82	-19.73	-19.01	9.22	794933.3	388608.4	32°03'53.3" 103°22'52.6"	0.18
2503.7	1.14	109.42	2503.51	-20.61	-19.77	10.6	794934.6	388607.6	32°03'53.3" 103°22'52.6"	0.54
2598.4	1.47	86.66	2598.19	-21.03	-20.01	12.7	794936.7	388607.4	32°03'53.3" 103°22'52.6"	0.64
2693.1	1.41	84.32	2692.86	-21.05	-19.82	15.07	794939.1	388607.5	32°03'53.3" 103°22'52.6"	0.09
2787.8	1.35	83.99	2787.53	-21.01	-19.59	17.34	794941.4	388607.8	32°03'53.3" 103°22'52.6"	0.06
2882.5	1.71	0.18	2882.2	-19.58	-18.06	18.46	794942.5	388609.3	32°03'53.3" 103°22'52.6"	2.18
2977.2	2.08	276.36	2976.87	-17.84	-16.46	16.75	794940.8	388610.9	32°03'53.3" 103°22'52.6"	2.69
3071.9	2.15	350.02	3071.52	-15.73	-14.52	14.74	794938.8	388612.8	32°03'53.4" 103°22'52.6"	2.68
3166.6	2.23	63.68	3166.17	-13.29	-11.95	16.08	794940.1	388615.4	32°03'53.4" 103°22'52.6"	2.77
3261.3	2.51	61.4	3260.78	-11.79	-10.14	19.55	794943.6	388617.2	32°03'53.4" 103°22'52.6"	0.31
3356	2.79	59.12	3355.38	-9.95	-7.96	23.35	794947.4	388619.4	32°03'53.4" 103°22'52.6"	0.32
3450.7	3.41	61.28	3449.94	-7.8	-5.43	27.8	794951.8	388621.9	32°03'53.4" 103°22'52.6"	0.67
3545.4	4.04	63.44	3544.44	-5.44	-2.58	33.25	794957.3	388624.8	32°03'53.5" 103°22'52.6"	0.68
3640.1	4.19	56.55	3638.9	-2.56	0.82	39.12	794963.2	388628.2	32°03'53.5" 103°22'52.6"	0.55
3734.8	4.33	49.67	3733.34	1.16	5.04	44.74	794968.8	388632.4	32°03'53.5" 103°22'52.6"	0.56
3829.5	4.2	56.26	3827.78	4.9	9.28	50.34	794974.4	388636.6	32°03'53.6" 103°22'52.6"	0.54
3924.2	4.06	62.86	3922.23	7.84	12.73	56.21	794980.3	388640.1	32°03'53.6" 103°22'52.6"	0.52
4018.9	4.73	54.68	4016.65	11.08	16.52	62.38	794986.4	388643.9	32°03'53.7" 103°22'51.9"	0.97
4113.6	5.39	47.5	4110.99	15.76	21.78	68.85	794992.9	388649.1	32°03'53.7" 103°22'51.9"	0.96
4208.3	5.68	56.63	4205.25	20.71	27.36	76.04	795000.1	388654.7	32°03'53.8" 103°22'51.9"	0.98
4303	5.97	55.77	4299.46	25.35	32.71	84.02	795008.1	388660.1	32°03'53.8" 103°22'51.9"	0.32
4397.7	5.74	47.65	4393.66	30.63	38.67	91.6	795015.6	388666	32°03'53.9" 103°22'51.9"	0.91
4492.4	5.51	38.53	4487.91	36.81	45.42	97.93	795022	388672.8	32°03'53.9" 103°22'51.9"	0.97
4587.1	5.26	31.16	4582.19	43.61	52.69	103.01	795027.1	388680.1	32°03'54.0" 103°22'51.9"	0.78
4681.8	5.01	33.78	4676.51	50.35	59.84	107.55	795031.6	388687.2	32°03'54.1" 103°22'51.9"	0.36
4776.5	4.75	29.53	4770.87	56.81	66.69	111.78	795035.8	388694.1	32°03'54.2" 103°22'51.9"	0.47
4871.2	4.49	25.27	4865.26	63.24	73.45	115.3	795039.3	388700.8	32°03'54.2" 103°22'51.9"	0.45
4965.9	4.17	33.57	4959.69	69.14	79.67	118.79	795042.8	388707	32°03'54.3" 103°22'51.9"	0.74
5060.6	3.85	41.86	5054.16	74.01	84.91	122.81	795046.9	388712.3	32°03'54.3" 103°22'51.9"	0.7
5155.3	3.16	38.5	5148.68	78.08	89.32	126.56	795050.6	388716.7	32°03'54.4" 103°22'51.9"	0.76
5250	2.48	35.13	5243.27	81.54	93.04	129.36	795053.4	388720.4	32°03'54.4" 103°22'51.9"	0.74
5344.7	1.86	42.36	5337.9	84.15	95.85	131.58	795055.6	388723.2	32°03'54.4" 103°22'51.9"	0.71
5439.4	1.24	49.58	5432.57	85.79	97.65	133.39	795057.4	388725	32°03'54.5" 103°22'51.9"	0.69
5534.1	1.22	27.5	5527.24	87.24	99.21	134.64	795058.7	388726.6	32°03'54.5" 103°22'51.9"	0.5
5628.8	1.2	5.42	5621.92	89.06	101.09	135.2	795059.2	388728.5	32°03'54.5" 103°22'51.9"	0.49
5723.5	1.18	347.29	5716.6	91	103.03	135.08	795059.1	388730.4	32°03'54.5" 103°22'51.9"	0.4
5818.2	1.17	331.16	5811.28	92.85	104.83	134.39	795058.4	388732.2	32°03'54.5" 103°22'51.9"	0.35
5912.9	1.13	321.86	5905.97	94.52	106.41	133.35	795057.4	388733.8	32°03'54.5" 103°22'51.9"	0.2
6007.6	1.1	310.56	6000.65	95.95	107.74	132.08	795056.1	388735.1	32°03'54.6" 103°22'51.9"	0.23
6102.3	0.87	339.98	6095.33	97.29	109	131.15	795055.2	388736.4	32°03'54.6" 103°22'51.9"	0.58
6197	0.64	9.41	6190.03	98.5	110.2	130.99	795055	388737.6	32°03'54.6" 103°22'51.9"	0.47
6291.7	0.67	326.38	6284.72	99.5	111.18	130.77	795054.8	388738.5	32°03'54.6" 103°22'51.9"	0.51
6386.4	0.71	283.35	6379.41	100.17	111.78	129.89	795053.9	388739.1	32°03'54.6" 103°22'51.9"	0.54
6481.1	0.52	320.41	6474.11	100.7	112.25	129.05	795053.1	388739.6	32°03'54.6" 103°22'51.9"	0.45
6575.8	0.33	357.47	6568.81	101.33	112.85	128.76	795052.8	388740.2	32°03'54.6" 103°22'51.9"	0.34
6670.5	0.25	2.21	6663.51	101.81	113.33	128.76	795052.8	388740.7	32°03'54.6" 103°22'51.9"	0.09
6765.2	0.17	350.95	6758.2	102.15	113.67	128.74	795052.8	388741	32°03'54.6" 103°22'51.9"	0.09
6859.9	0.17	315.47	6852.9	102.4	113.91	128.62	795052.7	388741.3	32°03'54.6" 103°22'51.9"	0.11
6954.6	0.17	271.98	6947.6	102.53	114.02	128.38	795052.4	388741.4	32°03'54.6" 103°22'51.9"	0.13
7049.3	0.33	268.21	7042.3	102.56	114.01	127.97	795052	388741.4	32°03'54.6" 103°22'51.9"	0.17
7144	0.5	260.43	7137	102.54	113.94	127.29	795051.3	388741.3	32°03'54.6" 103°22'51.9"	0.19
7238.7	0.6	299.41	7231.7	102.79	114.11	126.45	795050.5	388741.5	32°03'54.6" 103°22'51.9"	0.4
7333.4	0.7	338.4	7326.39	103.62	114.89	125.8	795049.9	388742.3	32°03'54.6" 103°22'51.9"	0.47
7428.1	0.64	251.23	7421.09	104.05	115.26	125.09	795049.1	388742.6	32°03'54.6" 103°22'51.9"	0.98
7522.8	0.58	224.06	7515.78	103.61	114.75	124.26	795048.3	388742.1	32°03'54.6" 103°22'51.9"	0.31
7617.5	0.56	209.22	7610.48	102.91	114	123.7	795047.7	388741.4	32°03'54.6" 103°22'51.9"	0.16
7712.2	0.54	250.38	7705.17	102.41	113.44	123.05	795047.1	388740.8	32°03'54.6" 103°22'51.9"	0.41
7806.9	0.68	245.39	7799.87	102.11	113.06	122.12	795046.2	388740.4	32°03'54.6" 103°22'51.9"	0.16
7901.6	0.83	200.4	7894.56	101.3	112.18	121.37	795045.4	388739.5	32°03'54.6" 103°22'51.9"	0.63
7996.3	0.9	192.59	7989.25	99.97	110.81	120.97	795045	388738.2	32°03'54.6" 103°22'51.9"	0.14

8091	0.97	196.78	8083.94	98.52	109.32	120.57	795044.6	388736.7	32°03'54.6" 103°22'51.1"	0.1
8185.7	0.85	204.23	8178.62	97.16	107.91	120.06	795044.1	388735.3	32°03'54.6" 103°22'51.1"	0.18
8280.4	0.73	211.67	8273.32	96.06	106.76	119.45	795043.5	388734.1	32°03'54.5" 103°22'51.1"	0.17
8375.1	0.99	202.28	8368	94.85	105.49	118.82	795042.9	388732.9	32°03'54.5" 103°22'51.1"	0.31
8469.8	1.26	210.88	8462.69	93.28	103.84	117.98	795042	388731.2	32°03'54.5" 103°22'51.1"	0.34
8564.5	1.14	183.45	8557.37	91.51	102	117.39	795041.4	388729.4	32°03'54.5" 103°22'51.1"	0.61
8659.2	1.01	156.02	8652.05	89.78	100.3	117.67	795041.7	388727.7	32°03'54.5" 103°22'51.1"	0.55
8753.9	1.14	171.65	8746.73	88.05	98.61	118.15	795042.2	388726	32°03'54.4" 103°22'51.1"	0.34
8848.6	1.27	187.29	8841.41	86.09	96.63	118.15	795042.2	388724	32°03'54.4" 103°22'51.1"	0.37
8943.3	1.18	217.5	8936.09	84.34	94.82	117.42	795041.5	388722.2	32°03'54.4" 103°22'51.1"	0.68
9038	1.08	247.7	9030.78	83.36	93.71	116	795040	388721.1	32°03'54.4" 103°22'51.1"	0.63
9132.7	0.98	209.62	9125.46	82.42	92.66	114.78	795038.8	388720	32°03'54.4" 103°22'51.1"	0.72
9227.4	0.87	173.55	9220.15	81.04	91.24	114.46	795038.5	388718.6	32°03'54.4" 103°22'51.1"	0.61
9322.1	1.08	213.26	9314.84	79.62	89.78	114.05	795038.1	388717.1	32°03'54.4" 103°22'51.1"	0.73
9416.8	1.04	225.79	9409.52	78.37	88.44	112.94	795037	388715.8	32°03'54.3" 103°22'51.1"	0.25
9511.5	0.86	211.21	9504.21	77.26	87.23	111.96	795036	388714.6	32°03'54.4" 103°22'51.1"	0.32
9606.2	1.01	235.02	9598.9	76.26	86.14	110.91	795035	388713.5	32°03'54.3" 103°22'51.1"	0.44
9700.9	0.98	242.89	9693.58	75.54	85.3	109.5	795033.5	388712.7	32°03'54.3" 103°22'51.1"	0.15
9795.6	0.96	237.29	9788.27	74.87	84.5	108.11	795032.2	388711.9	32°03'54.3" 103°22'51.1"	0.1
9890.3	1.52	211.87	9882.95	73.49	83	106.78	795030.8	388710.4	32°03'54.3" 103°22'51.1"	0.82
9977.5	3.14	236.39	9970.07	71.42	80.7	104.18	795028.2	388708.1	32°03'54.3" 103°22'51.1"	2.14
10064	3.2	226.5	10056.44	68.78	77.73	100.46	795024.5	388705.1	32°03'54.3" 103°22'51.1"	0.64
10160	2.2	239.1	10152.33	66.3	74.94	96.93	795021	388702.3	32°03'54.2" 103°22'51.1"	1.21
10255	2.2	240.9	10247.26	64.76	73.11	93.78	795017.8	388700.5	32°03'54.2" 103°22'51.1"	0.07
10350	1.7	251.92	10342.21	63.69	71.79	90.84	795014.9	388699.2	32°03'54.2" 103°22'51.1"	0.66
10444	2	259.1	10436.16	63.2	71.05	87.91	795012	388698.4	32°03'54.2" 103°22'51.1"	0.4
10539	0.7	249.89	10531.13	62.88	70.53	85.74	795009.8	388697.9	32°03'54.2" 103°22'51.1"	1.38
10634	0.6	264.51	10626.13	62.72	70.29	84.7	795008.7	388697.7	32°03'54.2" 103°22'51.1"	0.2
10728	1.1	252.4	10720.11	62.52	69.97	83.35	795007.4	388697.3	32°03'54.2" 103°22'51.1"	0.56
10823	1.2	278.6	10815.1	62.55	69.84	81.49	795005.5	388697.2	32°03'54.2" 103°22'51.1"	0.56
10917	1	296.3	10909.08	63.21	70.35	79.78	795003.8	388697.7	32°03'54.2" 103°22'51.1"	0.42
11012	0.9	282.8	11004.07	63.87	70.88	78.31	795002.4	388698.2	32°03'54.2" 103°22'51.1"	0.26
11107	0.8	277	11099.06	64.23	71.13	76.93	795001	388698.5	32°03'54.2" 103°22'51.1"	0.14
11201	0.9	285.4	11193.05	64.62	71.4	75.56	794999.6	388698.8	32°03'54.2" 103°22'51.1"	0.17
11296	1	250.8	11288.03	64.68	71.33	74.06	794998.1	388698.7	32°03'54.2" 103°22'51.1"	0.6
11391	1.3	253.5	11383.01	64.26	70.75	72.25	794996.3	388698.1	32°03'54.2" 103°22'51.1"	0.32
11486	1.1	252.5	11477.99	63.85	70.17	70.34	794994.4	388697.5	32°03'54.2" 103°22'51.1"	0.21
11580	1.6	261.4	11571.97	63.57	69.7	68.18	794992.2	388697.1	32°03'54.2" 103°22'51.1"	0.58
11675	2.1	274.5	11666.92	63.77	69.64	65.14	794989.2	388697	32°03'54.2" 103°22'51.1"	0.69
11764	2.6	280.2	11755.84	64.56	70.13	61.53	794985.6	388697.5	32°03'54.2" 103°22'51.1"	0.62
11801	2.4	281	11792.81	64.99	70.42	59.94	794984	388697.8	32°03'54.2" 103°22'51.1"	0.55
11833	4	282.1	11824.76	65.51	70.78	58.19	794982.2	388698.2	32°03'54.2" 103°22'51.1"	5
11864	6.9	288.7	11855.61	66.57	71.61	55.37	794979.4	388699	32°03'54.2" 103°22'51.1"	9.56
11896	10.8	295	11887.23	68.84	73.49	50.83	794974.9	388700.9	32°03'54.2" 103°22'52.1"	12.54
11927	14.4	295.6	11917.48	72.25	76.39	44.72	794968.8	388703.8	32°03'54.3" 103°22'52.1"	11.62
11959	14.4	304.2	11948.47	76.78	80.34	37.84	794961.9	388707.7	32°03'54.3" 103°22'52.1"	6.68
11991	13.9	305	11979.5	81.76	84.78	31.4	794955.4	388712.1	32°03'54.3" 103°22'52.1"	1.68
12022	16.1	296.7	12009.45	86.41	88.85	24.51	794948.6	388716.2	32°03'54.4" 103°22'52.1"	9.9
12054	19.5	295	12039.91	91.4	93.1	15.7	794939.7	388720.5	32°03'54.4" 103°22'52.1"	10.75
12085	22.5	293.2	12068.85	96.79	97.63	5.56	794929.6	388725	32°03'54.5" 103°22'52.1"	9.9
12117	26.3	295.5	12097.99	103.27	103.09	-6.48	794917.6	388730.5	32°03'54.5" 103°22'52.1"	12.24
12149	26.9	301.3	12126.6	111.14	109.91	-19.06	794905	388737.3	32°03'54.6" 103°22'52.1"	8.33
12180	29	305.2	12153.99	120.14	117.89	-31.2	794892.8	388745.3	32°03'54.7" 103°22'53.1"	8.98
12212	29.9	305.6	12181.85	130.32	127	-44.02	794880	388754.4	32°03'54.8" 103°22'53.1"	2.88
12243	32	306.7	12208.44	140.8	136.41	-56.89	794867.2	388763.8	32°03'54.9" 103°22'53.1"	7.02
12275	35.9	308.8	12234.98	152.93	147.36	-71.01	794853	388774.7	32°03'55.0" 103°22'53.1"	12.73
12307	39.5	310.3	12260.3	166.65	159.82	-86.08	794838	388787.2	32°03'55.1" 103°22'53.1"	11.61
12338	43.4	311.5	12283.53	181.37	173.26	-101.59	794822.5	388800.6	32°03'55.2" 103°22'53.1"	12.84
12370	47.2	312.4	12306.03	197.98	188.47	-118.5	794805.5	388815.8	32°03'55.4" 103°22'54.1"	12.04
12401	51.2	312.9	12326.28	215.31	204.37	-135.75	794788.3	388831.7	32°03'55.5" 103°22'54.1"	12.96
12433	55.1	313.4	12345.47	234.36	221.88	-154.43	794769.6	388849.2	32°03'55.7" 103°22'54.1"	12.25
12464	59.1	315.3	12362.31	254.1	240.08	-173.03	794751	388867.4	32°03'55.9" 103°22'54.1"	13.89
12496	61.1	317.4	12378.26	275.74	260.15	-192.17	794731.9	388887.5	32°03'56.1" 103°22'54.1"	8.45
12527	63.2	320.5	12392.74	297.89	280.82	-210.16	794713.9	388908.2	32°03'56.3" 103°22'55.1"	11.14
12559	65.8	324.5	12406.52	322.23	303.73	-227.73	794696.3	388931.1	32°03'56.5" 103°22'55.1"	13.9
12590	68.2	326	12418.64	346.99	327.18	-243.99	794680.1	388954.5	32°03'56.8" 103°22'55.1"	8.93

12622	69.5	326.6	12430.18	373.15	352.01	-260.54	794663.5	388979.4	32°03'57.0" 103°22'55.4"	4.42
12654	70.8	327.4	12441.05	399.72	377.25	-276.94	794647.1	389004.6	32°03'57.3" 103°22'55.4"	4.69
12685	72.2	328.5	12450.88	425.88	402.17	-292.54	794631.5	389029.5	32°03'57.5" 103°22'56.0"	5.63
12717	73.2	330.1	12460.4	453.4	428.43	-308.13	794615.9	389055.8	32°03'57.8" 103°22'56.0"	5.71
12749	75.9	331.8	12468.92	481.55	455.4	-323.1	794600.9	389082.8	32°03'58.0" 103°22'56.0"	9.87
12780	77.9	333.5	12475.95	509.46	482.21	-336.97	794587.1	389109.6	32°03'58.3" 103°22'56.0"	8.38
12811	79.5	335.4	12482.03	537.92	509.64	-350.08	794574	389137	32°03'58.6" 103°22'56.0"	7.92
12843	81.1	338	12487.42	567.85	538.6	-362.55	794561.5	389166	32°03'58.9" 103°22'56.0"	9.44
12874	83.8	339.7	12491.49	597.36	567.26	-373.64	794550.4	389194.6	32°03'59.1" 103°22'56.0"	10.27
12906	86.9	340.8	12494.08	628.19	597.28	-384.42	794539.6	389224.6	32°03'59.4" 103°22'57.0"	10.28
12966	90.8	342.5	12495.29	686.53	654.2	-403.3	794520.7	389281.6	32°04'00.0" 103°22'57.0"	7.09
12997	91.1	342.1	12494.77	716.76	683.73	-412.72	794511.3	389311.1	32°04'00.3" 103°22'57.0"	1.61
13029	90.9	342.6	12494.22	747.97	714.22	-422.42	794501.6	389341.6	32°04'00.6" 103°22'57.0"	1.68
13060	91.1	343.6	12493.68	778.29	743.88	-431.43	794492.6	389371.2	32°04'00.9" 103°22'57.0"	3.29
13091	92.8	345.8	12492.62	808.77	773.76	-439.61	794484.4	389401.1	32°04'01.2" 103°22'57.0"	8.97
13123	93.8	346.7	12490.78	840.34	804.79	-447.2	794476.8	389432.2	32°04'01.5" 103°22'57.0"	4.2
13155	94.7	347.4	12488.41	871.94	835.89	-454.35	794469.7	389463.3	32°04'01.8" 103°22'57.0"	3.56
13173	94.9	347.7	12486.9	889.72	853.4	-458.22	794465.8	389480.8	32°04'02.0" 103°22'57.0"	2
13205	96.4	348.4	12483.75	921.33	884.55	-464.81	794459.2	389511.9	32°04'02.3" 103°22'57.0"	5.17
13236	94.2	349.6	12480.89	952.02	914.85	-470.7	794453.3	389542.2	32°04'02.6" 103°22'58.0"	8.08
13268	92	350.7	12479.16	983.85	946.33	-476.17	794447.9	389573.7	32°04'02.9" 103°22'58.0"	7.68
13299	90.1	352.4	12478.59	1014.79	976.99	-480.72	794443.3	389604.4	32°04'03.2" 103°22'58.0"	8.22
13331	88.8	354.1	12478.9	1046.77	1008.76	-484.48	794439.6	389636.1	32°04'03.5" 103°22'58.0"	6.69
13363	88.6	354.9	12479.62	1078.76	1040.61	-487.55	794436.5	389668	32°04'03.8" 103°22'58.0"	2.58
13394	89.1	356.5	12480.24	1109.75	1071.51	-489.87	794434.2	389698.9	32°04'04.1" 103°22'58.0"	5.41
13426	89.1	357.9	12480.75	1141.72	1103.47	-491.43	794432.6	389730.8	32°04'04.5" 103°22'58.0"	4.37
13458	89.1	358.5	12481.25	1173.67	1135.45	-492.44	794431.6	389762.8	32°04'04.8" 103°22'58.0"	1.87
13489	89.4	359.5	12481.65	1204.59	1166.44	-492.98	794431.1	389793.8	32°04'05.1" 103°22'58.0"	3.37
13553	89.7	1.3	12482.16	1268.31	1230.44	-492.53	794431.5	389857.8	32°04'05.7" 103°22'58.0"	2.85
13647	89.8	2	12482.57	1361.69	1324.4	-489.83	794434.2	389951.8	32°04'06.7" 103°22'58.0"	0.75
13742	89.2	1.9	12483.4	1456	1419.34	-486.59	794437.4	390046.7	32°04'07.6" 103°22'58.0"	0.64
13837	91.9	2.5	12482.48	1550.25	1514.25	-482.95	794441.1	390141.6	32°04'08.5" 103°22'58.0"	2.91
13932	91.9	2.9	12479.33	1644.35	1609.1	-478.47	794445.6	390236.5	32°04'09.5" 103°22'58.0"	0.42
14027	90.7	0.8	12477.18	1738.65	1704.01	-475.41	794448.6	390331.4	32°04'10.4" 103°22'58.0"	2.55
14122	90.8	1.6	12475.94	1833.1	1798.98	-473.42	794450.6	390426.4	32°04'11.3" 103°22'57.0"	0.85
14217	90.2	0.8	12475.11	1927.55	1893.96	-471.43	794452.6	390521.3	32°04'12.3" 103°22'57.0"	1.05
14311	90.8	1.1	12474.29	2021.04	1987.94	-469.87	794454.2	390615.3	32°04'13.2" 103°22'57.0"	0.71
14406	91	0.8	12472.79	2115.53	2082.92	-468.3	794455.7	390710.3	32°04'14.2" 103°22'57.0"	0.38
14501	90.8	0.5	12471.3	2210.07	2177.9	-467.22	794456.8	390805.3	32°04'15.1" 103°22'57.0"	0.38
14596	89.7	0.4	12470.89	2304.64	2272.89	-466.47	794457.6	390900.3	32°04'16.0" 103°22'57.0"	1.16
14691	91	1.4	12470.31	2399.14	2367.88	-464.98	794459.1	390995.3	32°04'17.0" 103°22'57.0"	1.73
14787	90.2	0.5	12469.3	2494.63	2463.86	-463.39	794460.7	391091.2	32°04'17.9" 103°22'57.0"	1.25
14881	91.8	1.4	12467.66	2588.11	2557.83	-461.83	794462.2	391185.2	32°04'18.9" 103°22'57.0"	1.95
14976	90.7	0.6	12465.59	2682.58	2652.79	-460.17	794463.9	391280.2	32°04'19.8" 103°22'57.0"	1.43
15071	91.4	0.9	12463.85	2777.09	2747.76	-458.93	794465.1	391375.1	32°04'20.7" 103°22'57.0"	0.8
15166	90.2	359.4	12462.52	2871.7	2842.75	-458.68	794465.4	391470.1	32°04'21.7" 103°22'57.0"	2.02
15261	91.4	1	12461.2	2966.31	2937.73	-458.35	794465.7	391565.1	32°04'22.6" 103°22'57.0"	2.11
15356	90	0.3	12460.03	3060.84	3032.72	-457.27	794466.8	391660.1	32°04'23.6" 103°22'57.0"	1.65
15450	89.4	359.1	12460.53	3154.53	3126.71	-457.77	794466.3	391754.1	32°04'24.5" 103°22'57.0"	1.43
15545	90.1	359	12460.94	3249.3	3221.7	-459.34	794464.7	391849.1	32°04'25.4" 103°22'57.0"	0.74
15640	90.6	359.9	12460.36	3344.02	3316.69	-460.25	794463.8	391944.1	32°04'26.4" 103°22'57.0"	1.08
15735	89.6	359.6	12460.2	3438.7	3411.69	-460.67	794463.4	392039.1	32°04'27.3" 103°22'57.0"	1.1
15831	90.6	1.4	12460.03	3534.26	3507.68	-459.83	794464.2	392135.1	32°04'28.3" 103°22'57.0"	2.14
15925	92.4	1.9	12457.57	3627.6	3601.6	-457.12	794466.9	392229	32°04'29.2" 103°22'57.0"	1.99
16021	91.7	1	12454.13	3722.94	3697.51	-454.7	794469.3	392324.9	32°04'30.1" 103°22'57.0"	1.19
16115	91.3	0.7	12451.67	3816.43	3791.47	-453.3	794470.7	392418.9	32°04'31.1" 103°22'57.0"	0.53
16210	90.8	0.7	12449.93	3910.95	3886.44	-452.14	794471.9	392513.8	32°04'32.0" 103°22'57.0"	0.53
16305	90.1	359.6	12449.19	4005.57	3981.44	-451.89	794472.1	392608.8	32°04'32.9" 103°22'57.0"	1.37
16399	90.4	1.2	12448.78	4099.16	4075.43	-451.24	794472.8	392702.8	32°04'33.9" 103°22'57.0"	1.73
16494	90.8	2.2	12447.78	4193.51	4170.38	-448.42	794475.6	392797.8	32°04'34.8" 103°22'57.0"	1.13
16589	91.2	2.6	12446.12	4287.72	4265.28	-444.44	794479.6	392892.7	32°04'35.7" 103°22'57.0"	0.6
16684	91.4	2.6	12443.97	4381.87	4360.16	-440.13	794483.9	392987.6	32°04'36.7" 103°22'57.0"	0.21
16778	91.2	2.1	12441.83	4475.09	4454.06	-436.28	794487.8	393081.5	32°04'37.6" 103°22'57.0"	0.57
16873	91.1	1.9	12439.93	4569.37	4548.98	-432.97	794491.1	393176.4	32°04'38.6" 103°22'57.0"	0.24
16968	90.6	2	12438.52	4663.67	4643.92	-429.73	794494.3	393271.3	32°04'39.5" 103°22'57.0"	0.54
17012	91	1.7	12437.9	4707.36	4687.89	-428.31	794495.7	393315.3	32°04'39.9" 103°22'57.0"	1.14

17070 91 1.7 12436.89 4764.96 4745.85 -426.59 794497.4 393373.3 32°04'40.5" 103°22'57." 0 Proj to Bit

T A R G E T S

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape	Comment
No.1H PBHL		12450	4746	-410.62	794513.4	393373.4	32°04'40.5"	103°22'56."	point	

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

Log Name/	Start MD [ft]	End MD [ft]	Pos Unc	Model
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VES Gyro <	0	9977.5		Generic gyro - northseeking (Standard)
BHI MWD †	9977.5	17012		NaviTrak (Standard)
Projection	17012	17070		Blind Drilling (std)