

HOBBS OCD

JAN 29 2019

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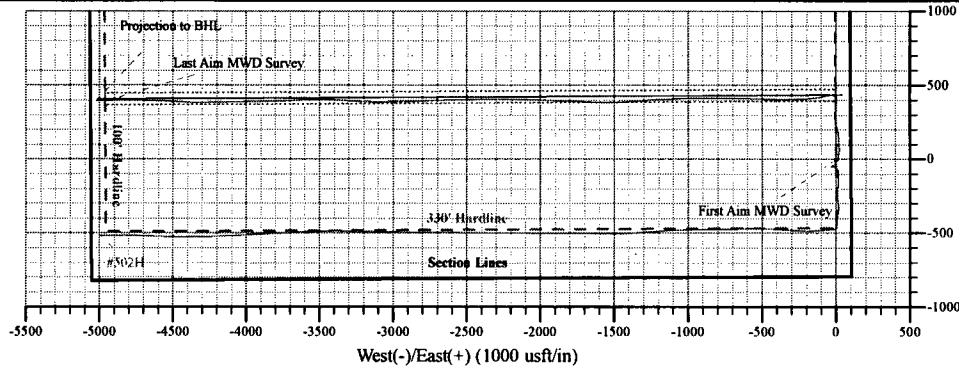
Advance Energy Partners, LLC

AO 6 501H
Lea County, New Mexico
WT-18-188
H&P 620
Plan 2.0 Final PVA



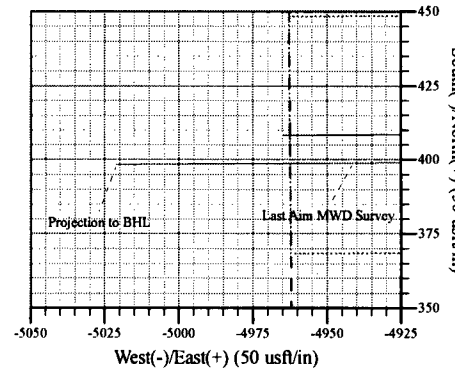
SITE DETAILS: AO 6 501H	
Site Centre Northing:	515767.80
Easting:	766575.00
Positional Uncertainty:	0.00
Convergence:	0.39
Local North:	Grid

PROJECT DETAILS: Lea County, New Mexico	
Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level
Depth Reference:	
3630'GL+26.5'KB @ 3656.50usf/in (H&P 620)	

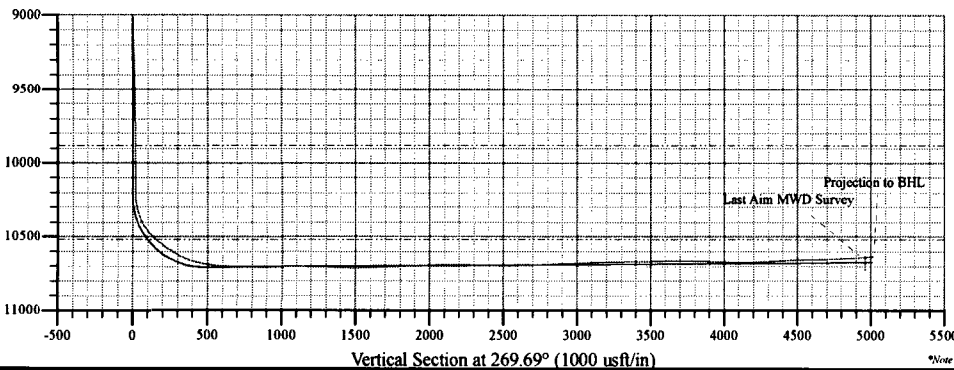


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dlog	TFace	Vsect	Annotation
1	15416.00	94.33	269.65	10643.25	398.93	-4941.06	0.00	0.00	4938.83	Last Aim MWD Survey
2	15496.00	94.33	269.65	10637.21	398.45	-5020.83	0.00	0.00	5018.61	Projection to BHL

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (AO501H)	0.00	435.20	-2.70	516203.00	766572.30	32° 25' 1.181 N	103° 36' 12.338 W
PBHL c3 (AO501H)	10676.00	408.30	-4962.40	516176.10	761612.60	32° 25' 1.246 N	103° 37' 10.197 W



Azimuths to Grid North
 True North: -0.39°
 Magnetic North: 6.33°
 Magnetic Field
 Strength: 48150.5nT
 Dip Angle: 60.20°
 Date: 10/20/2018
 Model: MVHD
 Magnetic North: 6.33° to Grid North



*Note - Aim is not responsible for any collision issues against unknown offset wells. File: Advance Energy - AO 6 501H Plan 2.0 Final PVA

Aim Directional Services, LLC

Survey Report

Company: Advance Energy Partners, LLC
Project: Lea County, New Mexico
Site: AO 6 501H
Well: #501H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

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Local Co-ordinate Reference: Site AO 6 501H
TVD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
MD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14 Single User Db

Project: Lea County, New Mexico
Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Site: AO 6 501H
Site Position:
From: Map
Position Uncertainty: 0.00 usft
Northing: 515,767.80 usft
Easting: 766,575.00 usft
Slot Radius: 13-3/16 "
Latitude: 32° 24' 56.874 N
Longitude: 103° 36' 12.341 W
Grid Convergence: 0.39 °

Well: #501H - Slot 501H
Well Position:
From: Map
Position Uncertainty: 0.00 usft
Northing: 515,767.80 usft
Easting: 766,575.00 usft
Wellhead Elevation: usft
Latitude: 32° 24' 56.874 N
Longitude: 103° 36' 12.341 W
Ground Level: 3,630.00 usft

Wellbore: Aim MWD Surveys

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	9/24/2018	6.73	60.20	48,158.68216019

Design: Aim MWD Surveys

Audit Notes:
Version: 1.0
Phase: ACTUAL
Tie On Depth: 0.00
Vertical Section:
Depth From (TVD) (usft)
+N-S (usft)
+E-W (usft)
Direction (°)
 0.00 0.00 0.00 269.69

Survey Program Date 11/1/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.00	15,496.00	Aim MWD Surveys (Aim MWD Surveys)	B001Mb_MWD+HRGM	OWSG MWD + HRGM

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199.00	0.57	203.57	199.00	-0.91	-0.40	0.40	0.29	0.29	0.00
First Aim MWD Survey									
351.00	0.57	206.82	350.99	-2.27	-1.04	1.05	0.02	0.00	2.14
467.00	0.62	194.87	466.98	-3.40	-1.46	1.48	0.12	0.04	-10.30
587.00	0.79	180.01	586.97	-4.85	-1.63	1.65	0.21	0.14	-12.38
710.00	1.05	198.29	709.96	-6.77	-1.98	2.02	0.32	0.21	14.86
861.00	1.80	218.77	860.91	-9.93	-3.90	3.95	0.59	0.50	13.56
954.00	1.80	217.89	953.87	-12.22	-5.71	5.78	0.03	0.00	-0.95
1,041.00	1.80	206.73	1,040.82	-14.52	-7.17	7.24	0.40	0.00	-12.83
1,187.00	1.63	191.53	1,186.76	-18.60	-8.61	8.71	0.33	-0.12	-10.41

Aim Directional Serv , LLC

Survey F 0rt

Company: Advance Energy Partners, LLC
Project: Lea County, New Mexico
Site: AO 6 501H
Well: #501H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

Local Co-ordinate Reference: Site AO 6 501H
TVD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
MD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,282.00	0.92	129.30	1,281.74	-20.41	-8.29	8.40	1.53	-0.75	-65.51
1,377.00	1.01	102.23	1,376.72	-21.07	-6.88	7.00	0.48	0.09	-28.49
1,471.00	0.79	85.79	1,470.71	-21.20	-5.43	5.54	0.36	-0.23	-17.49
1,565.00	0.70	63.82	1,564.71	-20.90	-4.27	4.38	0.32	-0.10	-23.37
1,660.00	0.48	50.64	1,659.70	-20.39	-3.44	3.55	0.27	-0.23	-13.87
1,754.00	0.26	54.15	1,753.70	-20.02	-2.96	3.07	0.24	-0.23	3.73
1,848.00	0.13	37.01	1,847.70	-19.81	-2.72	2.83	0.15	-0.14	-18.23
1,943.00	0.26	36.84	1,942.70	-19.55	-2.53	2.63	0.14	0.14	-0.18
2,037.00	0.66	23.13	2,036.69	-18.88	-2.19	2.29	0.44	0.43	-14.59
2,131.00	1.14	21.55	2,130.68	-17.51	-1.63	1.73	0.51	0.51	-1.68
2,226.00	1.10	25.06	2,225.66	-15.81	-0.90	0.98	0.08	-0.04	3.69
2,320.00	1.01	38.86	2,319.65	-14.34	0.00	0.07	0.29	-0.10	14.68
2,414.00	1.01	55.12	2,413.63	-13.23	1.20	-1.13	0.30	0.00	17.30
2,509.00	1.19	58.37	2,508.62	-12.23	2.73	-2.66	0.20	0.19	3.42
2,603.00	1.27	61.54	2,602.59	-11.22	4.48	-4.42	0.11	0.09	3.37
2,697.00	1.58	58.20	2,696.57	-10.04	6.49	-6.44	0.34	0.33	-3.55
2,792.00	1.89	48.79	2,791.52	-8.32	8.78	-8.74	0.44	0.33	-9.91
2,886.00	2.64	26.99	2,885.45	-5.37	10.93	-10.90	1.20	0.80	-23.19
2,980.00	4.04	12.93	2,979.29	-0.21	12.66	-12.66	1.71	1.49	-14.96
3,074.00	5.85	5.81	3,072.94	7.78	13.88	-13.92	2.03	1.93	-7.57
3,168.00	6.55	1.95	3,166.39	17.91	14.55	-14.65	0.87	0.74	-4.11
3,263.00	6.95	7.39	3,260.73	29.02	15.47	-15.63	0.79	0.42	5.73
3,357.00	6.51	16.01	3,354.08	39.78	17.68	-17.89	1.17	-0.47	9.17
3,451.00	4.48	18.03	3,447.65	48.40	20.28	-20.54	2.17	-2.16	2.15
3,545.00	4.04	13.28	3,541.39	55.11	22.18	-22.48	0.60	-0.47	-5.05
3,640.00	4.88	2.30	3,636.10	62.41	23.11	-23.45	1.26	0.88	-11.56
3,734.00	5.54	348.41	3,729.71	70.85	22.36	-22.74	1.51	0.70	-14.78
3,828.00	5.67	349.55	3,823.27	79.86	20.60	-21.04	0.18	0.14	1.21
3,922.00	5.63	355.35	3,916.81	89.02	19.39	-19.87	0.61	-0.04	6.17
4,017.00	5.36	357.90	4,011.37	98.10	18.85	-19.38	0.38	-0.28	2.68
4,111.00	4.57	1.59	4,105.02	106.23	18.79	-19.37	0.91	-0.84	3.93
4,206.00	4.62	1.77	4,199.71	113.84	19.01	-19.63	0.05	0.05	0.19
4,300.00	4.92	2.56	4,293.39	121.65	19.31	-19.97	0.33	0.32	0.84
4,394.00	5.54	358.87	4,387.00	130.21	19.40	-20.11	0.75	0.66	-3.93
4,488.00	5.58	354.04	4,480.56	139.29	18.84	-19.59	0.50	0.04	-5.14
4,583.00	5.63	353.42	4,575.10	148.52	17.82	-18.63	0.08	0.05	-0.65
4,677.00	5.54	351.05	4,668.66	157.58	16.59	-17.44	0.26	-0.10	-2.52
4,810.00	5.71	352.37	4,801.01	170.48	14.71	-15.63	0.16	0.13	0.99
4,904.00	5.36	349.29	4,894.58	179.43	13.28	-14.25	0.49	-0.37	-3.28
4,998.00	5.63	349.73	4,988.14	188.28	11.64	-12.66	0.29	0.29	0.47
5,093.00	5.54	346.30	5,082.69	197.32	9.72	-10.79	0.36	-0.09	-3.61
5,187.00	5.41	343.93	5,176.27	205.99	7.42	-8.53	0.28	-0.14	-2.52
5,282.00	5.19	344.46	5,270.86	214.43	5.03	-6.19	0.24	-0.23	0.56

Aim Directional Services, LLC

Survey Report

Company: Advance Energy Partners, LLC
Project: Lea County, New Mexico
Site: AO 6 501H
Well: #501H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

Local Co-ordinate Reference: Site AO 6 501H
TVD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
MD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
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Survey

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5,376.00	5.27	340.68	5,364.47	222.60	2.46	-3.67	0.38	0.09	-4.02
5,470.00	5.14	336.28	5,458.08	230.53	-0.66	-0.59	0.45	-0.14	-4.68
5,564.00	5.05	334.88	5,551.71	238.13	-4.11	2.82	0.16	-0.10	-1.49
5,659.00	5.54	0.45	5,646.32	246.50	-5.85	4.52	2.51	0.52	26.92
5,753.00	6.51	2.65	5,739.80	256.36	-5.57	4.18	1.06	1.03	2.34
5,848.00	6.59	357.90	5,834.18	267.19	-5.52	4.07	0.58	0.08	-5.00
5,942.00	6.51	358.08	5,927.56	277.90	-5.89	4.39	0.09	-0.09	0.19
6,036.00	6.77	356.67	6,020.93	288.76	-6.40	4.83	0.33	0.28	-1.50
6,130.00	6.95	354.65	6,114.26	299.96	-7.25	5.62	0.32	0.19	-2.15
6,225.00	5.58	2.12	6,208.69	310.29	-7.61	5.93	1.68	-1.44	7.86
6,319.00	5.14	9.86	6,302.28	319.01	-6.72	5.00	0.90	-0.47	8.23
6,413.00	4.92	11.00	6,395.92	327.12	-5.23	3.46	0.26	-0.23	1.21
6,507.00	4.57	13.72	6,489.60	334.71	-3.57	1.76	0.44	-0.37	2.89
6,601.00	4.40	11.88	6,583.31	341.88	-1.94	0.09	0.24	-0.18	-1.96
6,695.00	4.40	8.27	6,677.03	348.97	-0.68	-1.20	0.29	0.00	-3.84
6,790.00	4.09	9.86	6,771.77	355.92	0.42	-2.35	0.35	-0.33	1.67
6,884.00	3.82	7.13	6,865.55	362.33	1.38	-3.34	0.35	-0.29	-2.90
6,978.00	5.01	5.46	6,959.27	369.52	2.16	-4.16	1.27	1.27	-1.78
7,072.00	5.36	5.46	7,052.88	377.98	2.97	-5.02	0.37	0.37	0.00
7,166.00	5.27	2.74	7,146.48	386.66	3.60	-5.69	0.28	-0.10	-2.89
7,260.00	5.23	0.71	7,240.09	395.26	3.85	-5.99	0.20	-0.04	-2.16
7,355.00	4.92	3.09	7,334.71	403.65	4.13	-6.31	0.39	-0.33	2.51
7,449.00	4.40	2.12	7,428.40	411.28	4.48	-6.70	0.56	-0.55	-1.03
7,543.00	3.43	5.55	7,522.18	417.68	4.88	-7.14	1.06	-1.03	3.65
7,638.00	1.85	352.54	7,617.08	422.03	4.96	-7.24	1.77	-1.66	-13.69
7,732.00	1.32	342.79	7,711.04	424.57	4.44	-6.74	0.63	-0.56	-10.37
7,826.00	1.10	351.22	7,805.02	426.50	3.98	-6.29	0.30	-0.23	8.97
7,920.00	0.57	332.77	7,899.01	427.80	3.63	-5.95	0.63	-0.56	-19.63
8,015.00	0.13	283.81	7,994.01	428.25	3.31	-5.63	0.52	-0.46	-51.54
8,109.00	0.35	267.11	8,088.01	428.26	2.92	-5.24	0.24	0.23	-17.77
8,203.00	0.13	337.78	8,182.01	428.35	2.59	-4.91	0.35	-0.23	75.18
8,298.00	0.09	355.44	8,277.01	428.52	2.55	-4.87	0.05	-0.04	18.59
8,392.00	0.18	182.47	8,371.01	428.45	2.54	-4.85	0.29	0.10	-184.01
8,486.00	0.04	328.02	8,465.01	428.33	2.51	-4.83	0.23	-0.15	154.84
8,580.00	0.44	259.11	8,559.01	428.29	2.14	-4.46	0.45	0.43	-73.31
8,674.00	0.62	260.78	8,653.00	428.14	1.28	-3.60	0.19	0.19	1.78
8,769.00	0.70	247.86	8,748.00	427.84	0.24	-2.55	0.18	0.08	-13.60
8,863.00	1.36	235.65	8,841.98	426.99	-1.21	-1.10	0.74	0.70	-12.99
8,957.00	1.23	217.45	8,935.96	425.56	-2.75	0.45	0.46	-0.14	-19.36
9,052.00	1.41	284.60	9,030.94	425.04	-4.50	2.20	1.54	0.19	70.68
9,146.00	1.63	296.03	9,124.90	425.92	-6.82	4.52	0.40	0.23	12.16
9,240.00	1.49	295.94	9,218.87	427.04	-9.12	6.81	0.15	-0.15	-0.10
9,334.00	1.54	288.56	9,312.84	427.98	-11.42	9.10	0.21	0.05	-7.85

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Survey Report

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,429.00	1.14	296.12	9,407.81	428.80	-13.48	11.16	0.46	-0.42	7.96
9,554.00	1.14	297.86	9,532.79	429.93	-15.69	13.36	0.03	0.00	1.39
9,648.00	1.36	297.95	9,626.76	430.89	-17.50	15.17	0.23	0.23	0.10
9,742.00	1.14	301.91	9,720.74	431.91	-19.28	16.95	0.25	-0.23	4.21
9,837.00	1.49	312.01	9,815.72	433.23	-21.00	18.66	0.44	0.37	10.63
9,931.00	1.32	286.35	9,909.69	434.36	-22.95	20.60	0.69	-0.18	-27.30
10,025.00	0.84	59.68	10,003.68	435.01	-23.39	21.04	2.12	-0.51	141.84
10,110.00	1.41	57.31	10,088.66	435.89	-21.98	19.62	0.67	0.67	-2.79
10,125.00	1.19	50.45	10,103.66	436.09	-21.70	19.34	1.79	-1.47	-45.73
10,219.00	0.70	64.60	10,197.65	436.96	-20.43	18.06	0.57	-0.52	15.05
10,313.00	10.95	264.29	10,291.11	436.31	-28.82	26.46	12.35	10.90	-170.54
10,408.00	23.38	257.17	10,381.71	431.21	-56.29	53.96	13.25	13.08	-7.49
10,502.00	38.11	260.07	10,462.28	422.01	-103.31	101.02	15.75	15.67	3.09
10,596.00	50.77	265.96	10,529.28	414.41	-168.49	166.25	14.15	13.47	6.27
10,690.00	56.31	267.10	10,585.12	409.86	-243.92	241.70	5.97	5.89	1.21
10,785.00	61.49	268.33	10,634.18	406.65	-325.18	322.97	5.56	5.45	1.29
10,879.00	75.30	271.06	10,668.71	406.28	-412.35	410.15	14.94	14.69	2.90
10,913.00	77.01	271.94	10,676.85	407.15	-445.35	443.14	5.62	5.03	2.59
11,007.00	82.95	272.02	10,693.20	410.34	-537.82	535.59	6.32	6.32	0.09
11,102.00	87.08	271.67	10,701.45	413.39	-632.39	630.14	4.36	4.35	-0.37
11,196.00	90.02	270.71	10,703.83	415.34	-726.33	724.07	3.29	3.13	-1.02
11,290.00	91.21	270.00	10,702.82	415.92	-820.32	818.06	1.47	1.27	-0.76
11,385.00	90.33	269.30	10,701.54	415.34	-915.31	913.05	1.18	-0.93	-0.74
11,479.00	89.67	268.68	10,701.54	413.69	-1,009.29	1,007.04	0.96	-0.70	-0.66
11,573.00	89.54	267.89	10,702.19	410.87	-1,103.25	1,101.01	0.85	-0.14	-0.84
11,668.00	88.75	266.57	10,703.61	406.28	-1,198.12	1,195.91	1.62	-0.83	-1.39
11,762.00	87.52	265.17	10,706.67	399.52	-1,291.82	1,289.64	1.98	-1.31	-1.49
11,856.00	87.74	265.26	10,710.55	391.68	-1,385.42	1,383.28	0.25	0.23	0.10
11,950.00	88.62	266.75	10,713.54	385.14	-1,479.14	1,477.03	1.84	0.94	1.59
12,044.00	92.92	272.55	10,712.28	384.56	-1,573.06	1,570.96	7.68	4.57	6.17
12,139.00	91.91	273.34	10,708.27	389.44	-1,667.85	1,665.72	1.35	-1.06	0.83
12,233.00	92.04	272.99	10,705.03	394.62	-1,761.65	1,759.49	0.40	0.14	-0.37
12,327.00	92.26	272.02	10,701.51	398.73	-1,855.50	1,853.31	1.06	0.23	-1.03
12,421.00	92.97	271.76	10,697.22	401.83	-1,949.35	1,947.14	0.80	0.76	-0.28
12,516.00	91.65	271.94	10,693.39	404.89	-2,044.22	2,042.00	1.40	-1.39	0.19
12,610.00	90.33	271.67	10,691.76	407.85	-2,138.15	2,135.92	1.43	-1.40	-0.29
12,705.00	89.45	270.44	10,691.95	409.60	-2,233.14	2,230.89	1.59	-0.93	-1.29
12,799.00	88.62	269.47	10,693.53	409.53	-2,327.12	2,324.87	1.36	-0.88	-1.03
12,893.00	89.41	268.86	10,695.15	408.16	-2,421.09	2,418.85	1.06	0.84	-0.65
12,988.00	89.41	267.63	10,696.12	405.25	-2,516.04	2,513.81	1.29	0.00	-1.29
13,083.00	91.16	269.21	10,695.65	402.63	-2,611.00	2,608.78	2.48	1.84	1.66
13,178.00	91.56	268.42	10,693.40	400.66	-2,705.95	2,703.74	0.93	0.42	-0.83
13,272.00	91.91	266.75	10,690.55	396.71	-2,799.82	2,797.63	1.81	0.37	-1.78
13,367.00	93.01	268.16	10,686.47	392.49	-2,894.64	2,892.47	1.88	1.16	1.48

Aim Directional Services, LLC

Survey Report

Company: Advance Energy Partners, LLC
Project: Lea County, New Mexico
Site: AO 6 501H
Well: #501H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

Local Co-ordinate Reference: Site AO 6 501H
TVD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
MD Reference: 3630'GL+26.5'KB @ 3656.50usft (H&P 620)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.14 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,461.00	92.35	269.21	10,682.08	390.34	-2,988.51	2,986.35	1.32	-0.70	1.12
13,556.00	90.46	269.21	10,679.75	389.03	-3,083.46	3,081.31	1.99	-1.99	0.00
13,650.00	93.41	272.37	10,676.57	390.32	-3,177.38	3,175.22	4.60	3.14	3.36
13,744.00	90.90	273.96	10,673.04	395.51	-3,271.16	3,268.97	3.16	-2.67	1.69
13,839.00	89.54	274.13	10,672.67	402.21	-3,365.92	3,363.69	1.44	-1.43	0.18
13,933.00	91.03	271.06	10,672.21	406.46	-3,459.81	3,457.56	3.63	1.59	-3.27
14,028.00	91.69	267.37	10,669.95	405.16	-3,554.76	3,552.51	3.94	0.69	-3.88
14,122.00	90.73	266.49	10,667.97	400.13	-3,648.60	3,646.38	1.39	-1.02	-0.94
14,216.00	89.58	268.16	10,667.71	395.74	-3,742.49	3,740.29	2.16	-1.22	1.78
14,311.00	88.00	268.68	10,669.72	393.12	-3,837.43	3,835.25	1.75	-1.66	0.55
14,405.00	89.05	268.86	10,672.14	391.11	-3,931.38	3,929.20	1.13	1.12	0.19
14,499.00	87.91	269.21	10,674.63	389.52	-4,025.33	4,023.16	1.27	-1.21	0.37
14,594.00	89.49	268.51	10,676.79	387.63	-4,120.28	4,118.12	1.82	1.66	-0.74
14,688.00	92.35	268.95	10,675.28	385.55	-4,214.24	4,212.09	3.08	3.04	0.47
14,783.00	94.15	270.18	10,669.89	384.83	-4,309.07	4,306.93	2.29	1.89	1.29
14,877.00	93.98	272.11	10,663.23	386.70	-4,402.81	4,400.66	2.06	-0.18	2.05
14,972.00	90.68	272.99	10,659.37	390.93	-4,497.63	4,495.45	3.59	-3.47	0.93
15,066.00	90.55	272.55	10,658.36	395.47	-4,591.51	4,589.31	0.49	-0.14	-0.47
15,161.00	91.78	271.14	10,656.43	398.53	-4,686.44	4,684.21	1.97	1.29	-1.48
15,256.00	92.40	270.09	10,652.96	399.55	-4,781.37	4,779.14	1.28	0.65	-1.11
15,350.00	93.76	269.65	10,647.91	399.33	-4,875.23	4,873.00	1.52	1.45	-0.47
15,416.00	94.33	269.65	10,643.25	398.93	-4,941.06	4,938.83	0.86	0.86	0.00
Last Aim MWD Survey									
15,496.00	94.33	269.65	10,637.21	398.45	-5,020.83	5,018.61	0.00	0.00	0.00
Projection to BHL									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
199.00	199.00	-0.91	-0.40	First Aim MWD Survey
15,416.00	10,643.25	398.93	-4,941.06	Last Aim MWD Survey
15,496.00	10,637.21	398.45	-5,020.83	Projection to BHL