

HOBBS OCD

JAN 29 2019

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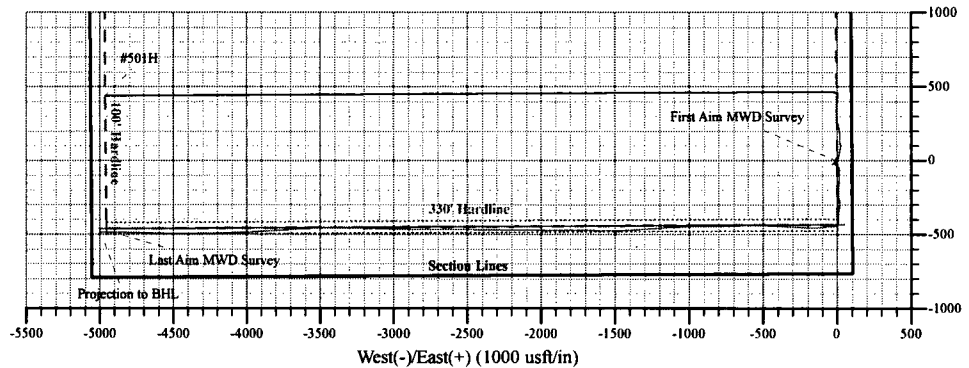
Advance Energy Partners, LLC

AO 6 502H
Lea County, New Mexico
WT-18-189
H&P 620
Plan 1.0 Final PVA



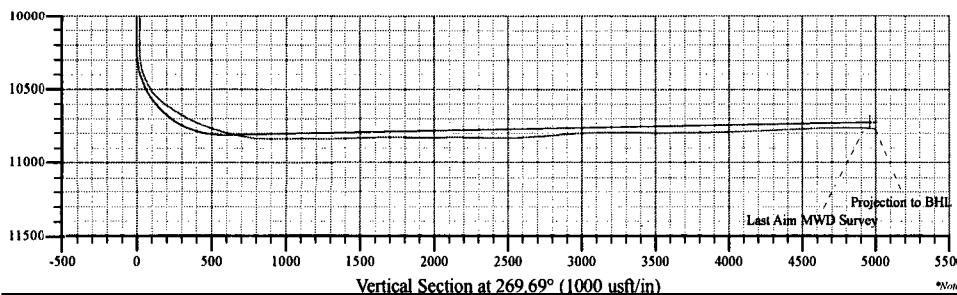
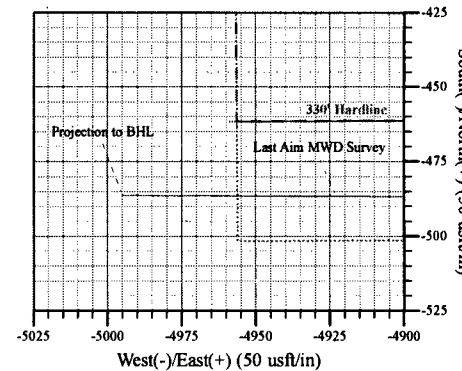
SITE DETAILS: AO 6 502H	
Site Centre Northing:	515737.80
Easting:	766575.40
Positional Uncertainty:	0.00
Convergence:	0.39
Local North:	Grid

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:	
3629'GL+26.5 @ 3655.50usft (H&P 620)	



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
1	15468.00	87.25	270.28	10767.10	-486.64	-4922.97	0.00	0.00	4925.53	Last Aim MWD Survey
2	15540.00	87.25	270.28	10770.55	-486.29	-4994.89	0.00	0.00	4997.44	Projection to BHL

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (AO502H)	0.00	-434.80	2.70	515303.00	766578.10	32° 24' 52.275 N	103° 36' 12.342 W
PBHL.r1 (AO502H)	10726.00	-461.70	-4956.30	515276.10	761619.10	32° 24' 52.340 N	103° 37' 10.192 W



Azimuths to Grid North
 True North: -0.39°
 Magnetic North: 6.34°
 Magnetic Field
 Strength: 48159.6nT
 Dip Angle: 60.20°
 Date: 9/21/2018
 Model: MVHD
 Magnetic North: 6.34° to Grid North

Aim Directional Services, LLC

Survey Report

Company: Advance Energy Partners, LLC
Project: Lea County, New Mexico
Site: AO 6 502H
Well: #502H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

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Local Co-ordinate Reference: Site AO 6 502H
TVD Reference: 3629'GL+26.5 @ 3655.50usft (H&P 620)
Grid Reference: 3629'GL+26.5 @ 3655.50usft (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 502H

Site Position:
From: Map
Position Uncertainty: 0.00 usft

Northing: 515,737.80 usft
Easting: 766,575.40 usft
Slot Radius: 13-3/16 "

Latitude: 32° 24' 56.578 N
Longitude: 103° 36' 12.339 W
Grid Convergence: 0.39 °

Well: #502H - Slot 502H

Well Position: +N-S 0.00 usft
+E-W: 0.00 usft
Position Uncertainty: 0.00 usft

Northing: 515,737.80 usft
Easting: 766,575.40 usft
Wellhead Elevation: usft

Latitude: 32° 24' 56.578 N
Longitude: 103° 36' 12.339 W
Ground Level: 3,629.00 usft

Wellbore: Aim MWD Surveys

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	9/27/2018	6.73	60.20	48,157.66888334

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 10/20/2018

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
199.00	15,540.00	Aim MWD Surveys (Aim MWD Surveys)	B001Mb_MWD+HRGM	OWSG MWD + HRGM

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
199.00	1.41	242.33	198.98	-1.14	-2.17	2.17	0.71	0.71	0.00
First Aim MWD Survey									
341.00	1.67	233.19	340.93	-3.19	-5.37	5.39	0.25	0.18	-6.44
458.00	1.76	235.56	457.88	-5.23	-8.22	8.25	0.10	0.08	2.03
518.00	2.02	240.30	517.84	-6.27	-9.90	9.93	0.51	0.43	7.90
635.00	1.93	235.73	634.77	-8.40	-13.32	13.36	0.15	-0.08	-3.91
759.00	2.46	241.18	758.68	-10.86	-17.37	17.43	0.46	0.43	4.40
851.00	2.55	230.72	850.60	-13.11	-20.69	20.76	0.51	0.10	-11.37
944.00	2.24	230.02	943.51	-15.59	-23.68	23.77	0.33	-0.33	-0.75
1,036.00	2.86	226.95	1,035.42	-18.31	-26.74	26.84	0.69	0.67	-3.34

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Well: #502H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

Local Co-ordinate Reference: Site AO 6 502H
TVD Reference: 3629'GL+26.5 @ 3655.50usft (H&P 620)
MD Reference: 3629'GL+26.5 @ 3655.50usft (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)
1,127.00	2.81	220.35	1,126.31	-21.56	-29.84	29.96	0.36	-0.05	-7.25
1,221.00	1.27	219.12	1,220.25	-24.12	-31.99	32.12	1.64	-1.64	-1.31
1,315.00	0.97	37.37	1,314.24	-24.30	-32.16	32.29	2.38	-0.32	189.63
1,410.00	1.49	35.52	1,409.22	-22.65	-30.96	31.08	0.55	0.55	-1.95
1,504.00	0.92	46.86	1,503.20	-21.14	-29.70	29.81	0.65	-0.61	12.06
1,599.00	0.57	51.43	1,598.19	-20.33	-28.77	28.88	0.37	-0.37	4.81
1,694.00	0.44	58.46	1,693.19	-19.84	-28.09	28.20	0.15	-0.14	7.40
1,788.00	0.40	0.89	1,787.19	-19.32	-27.78	27.88	0.43	-0.04	-61.24
1,882.00	0.26	20.58	1,881.18	-18.80	-27.70	27.80	0.19	-0.15	20.95
1,977.00	0.35	333.82	1,976.18	-18.33	-27.75	27.85	0.27	0.09	-49.22
2,071.00	0.35	14.34	2,070.18	-17.80	-27.81	27.90	0.26	0.00	43.11
2,165.00	0.40	74.28	2,164.18	-17.43	-27.42	27.51	0.40	0.05	63.77
2,260.00	0.88	129.30	2,259.17	-17.80	-26.54	26.63	0.77	0.51	57.92
2,354.00	1.58	139.05	2,353.15	-19.24	-25.13	25.23	0.77	0.74	10.37
2,448.00	1.49	118.14	2,447.12	-20.79	-23.20	23.31	0.60	-0.10	-22.24
2,543.00	1.63	102.76	2,542.08	-21.68	-20.79	20.91	0.46	0.15	-16.19
2,637.00	1.49	87.73	2,636.05	-21.92	-18.27	18.39	0.46	-0.15	-15.99
2,731.00	2.15	104.51	2,730.00	-22.32	-15.34	15.46	0.90	0.70	17.85
2,825.00	3.74	124.64	2,823.88	-24.50	-11.11	11.24	1.99	1.69	21.41
2,920.00	4.48	133.69	2,918.63	-28.82	-5.88	6.03	1.03	0.78	9.53
3,014.00	4.62	131.06	3,012.34	-33.85	-0.37	0.55	0.27	0.15	-2.80
3,108.00	4.62	134.40	3,106.03	-38.98	5.19	-4.98	0.29	0.00	3.55
3,202.00	4.04	148.37	3,199.77	-44.45	9.63	-9.39	1.28	-0.62	14.86
3,297.00	4.75	169.03	3,294.49	-51.16	12.14	-11.86	1.81	0.75	21.75
3,391.00	5.58	181.95	3,388.11	-59.55	12.72	-12.40	1.51	0.88	13.74
3,485.00	6.33	179.48	3,481.60	-69.30	12.61	-12.24	0.84	0.80	-2.63
3,579.00	5.27	178.43	3,575.12	-78.80	12.78	-12.35	1.13	-1.13	-1.12
3,674.00	4.66	182.47	3,669.77	-87.01	12.73	-12.26	0.74	-0.64	4.25
3,768.00	4.09	179.57	3,763.49	-94.18	12.59	-12.08	0.65	-0.61	-3.09
3,862.00	3.52	171.75	3,857.28	-100.39	13.03	-12.49	0.82	-0.61	-8.32
3,957.00	3.08	178.08	3,952.13	-105.83	13.53	-12.96	0.60	-0.46	6.66
4,051.00	2.55	174.83	4,046.01	-110.43	13.81	-13.21	0.59	-0.56	-3.46
4,145.00	3.21	179.31	4,139.89	-115.15	14.03	-13.40	0.74	0.70	4.77
4,239.00	3.82	177.73	4,233.72	-120.91	14.18	-13.53	0.66	0.65	-1.68
4,334.00	3.25	182.38	4,328.54	-126.76	14.20	-13.51	0.67	-0.60	4.89
4,428.00	2.51	177.64	4,422.42	-131.48	14.17	-13.46	0.83	-0.79	-5.04
4,522.00	2.02	177.55	4,516.34	-135.19	14.33	-13.59	0.52	-0.52	-0.10
4,617.00	2.99	181.77	4,611.25	-139.34	14.32	-13.57	1.04	1.02	4.44
4,711.00	4.57	185.99	4,705.04	-145.52	13.85	-13.07	1.71	1.68	4.49
4,810.00	3.91	188.54	4,803.77	-152.78	12.94	-12.12	0.69	-0.67	2.58
4,904.00	3.60	192.67	4,897.57	-158.82	11.82	-10.96	0.44	-0.33	4.39
4,998.00	3.60	193.81	4,991.39	-164.57	10.47	-9.58	0.08	0.00	1.21
5,092.00	6.46	187.22	5,085.01	-172.68	9.10	-8.16	3.10	3.04	-7.01

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Survey Report

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Well: #502H
Wellbore: Aim MWD Surveys
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Local Co-ordinate Reference: Site AO 6 502H
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North Reference: Grid
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Survey

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5,187.00	7.21	182.65	5,179.34	-183.94	8.15	-7.15	0.97	0.79	-4.81
5,282.00	7.12	180.19	5,273.60	-195.78	7.86	-6.80	0.34	-0.09	-2.59
5,376.00	6.33	178.25	5,366.95	-206.79	7.99	-6.88	0.87	-0.84	-2.06
5,470.00	6.33	176.32	5,460.38	-217.14	8.48	-7.31	0.23	0.00	-2.05
5,564.00	5.98	176.94	5,553.84	-227.20	9.08	-7.85	0.38	-0.37	0.66
5,659.00	5.49	178.34	5,648.36	-236.68	9.47	-8.19	0.54	-0.52	1.47
5,753.00	5.45	177.38	5,741.93	-245.64	9.81	-8.48	0.11	-0.04	-1.02
5,847.00	5.76	173.68	5,835.48	-254.79	10.53	-9.15	0.51	0.33	-3.94
5,942.00	5.98	170.52	5,929.98	-264.41	11.87	-10.44	0.41	0.23	-3.33
6,036.00	5.85	166.13	6,023.48	-273.89	13.83	-12.34	0.50	-0.14	-4.67
6,130.00	5.93	163.75	6,116.99	-283.20	16.33	-14.80	0.27	0.09	-2.53
6,225.00	5.23	173.51	6,211.54	-292.21	18.20	-16.62	1.24	-0.74	10.27
6,319.00	6.02	190.56	6,305.09	-301.32	17.78	-16.15	1.96	0.84	18.14
6,413.00	6.46	191.44	6,398.54	-311.34	15.83	-14.14	0.48	0.47	0.94
6,507.00	6.11	192.23	6,491.97	-321.42	13.72	-11.98	0.38	-0.37	0.84
6,601.00	6.29	190.21	6,585.42	-331.37	11.74	-9.95	0.30	0.19	-2.15
6,695.00	6.11	185.81	6,678.87	-341.42	10.33	-8.48	0.54	-0.19	-4.68
6,789.00	5.93	187.48	6,772.35	-351.21	9.19	-7.29	0.27	-0.19	1.78
6,884.00	5.89	185.11	6,866.85	-360.93	8.11	-6.16	0.26	-0.04	-2.49
6,978.00	6.15	183.35	6,960.33	-370.76	7.39	-5.38	0.34	0.28	-1.87
7,072.00	5.67	182.82	7,053.83	-380.42	6.87	-4.81	0.51	-0.51	-0.56
7,166.00	5.27	187.66	7,147.40	-389.34	6.06	-3.96	0.65	-0.43	5.15
7,260.00	5.10	185.29	7,241.02	-397.78	5.10	-2.95	0.29	-0.18	-2.52
7,355.00	4.79	183.18	7,335.66	-405.94	4.49	-2.30	0.38	-0.33	-2.22
7,449.00	4.62	182.03	7,429.35	-413.65	4.14	-1.90	0.21	-0.18	-1.22
7,543.00	4.44	184.76	7,523.05	-421.06	3.71	-1.43	0.30	-0.19	2.90
7,638.00	4.13	190.91	7,617.79	-428.08	2.75	-0.44	0.58	-0.33	6.47
7,732.00	2.68	193.02	7,711.62	-433.54	1.62	0.73	1.55	-1.54	2.24
7,826.00	0.75	210.07	7,805.57	-436.22	0.81	1.55	2.10	-2.05	18.14
7,920.00	0.66	238.11	7,899.57	-437.04	0.05	2.32	0.38	-0.10	29.83
8,015.00	0.88	223.87	7,994.56	-437.85	-0.92	3.29	0.31	0.23	-14.99
8,109.00	1.36	218.24	8,088.54	-439.25	-2.12	4.49	0.52	0.51	-5.99
8,203.00	0.22	52.75	8,182.53	-440.02	-2.66	5.04	1.67	-1.21	-176.05
8,297.00	0.35	44.84	8,276.53	-439.70	-2.32	4.69	0.14	0.14	-8.41
8,391.00	0.26	13.99	8,370.53	-439.29	-2.06	4.44	0.20	-0.10	-32.82
8,486.00	0.09	44.13	8,465.53	-439.03	-1.96	4.33	0.20	-0.18	31.73
8,580.00	0.26	109.08	8,559.53	-439.05	-1.70	4.08	0.25	0.18	69.10
8,674.00	0.26	201.72	8,653.53	-439.31	-1.58	3.96	0.40	0.00	98.55
8,768.00	0.22	222.11	8,747.53	-439.65	-1.78	4.16	0.10	-0.04	21.69
8,863.00	0.66	226.95	8,842.53	-440.15	-2.30	4.69	0.46	0.46	5.09
8,957.00	0.79	218.16	8,936.52	-441.03	-3.10	5.49	0.18	0.14	-9.35
9,052.00	0.88	244.35	9,031.51	-441.86	-4.16	6.55	0.41	0.09	27.57
9,146.00	0.92	252.61	9,125.50	-442.40	-5.53	7.93	0.14	0.04	8.79

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9,240.00	0.92	244.00	9,219.48	-442.96	-6.93	9.33	0.15	0.00	-9.16	
9,334.00	1.27	232.13	9,313.47	-443.93	-8.43	10.83	0.44	0.37	-12.63	
9,429.00	1.27	252.26	9,408.44	-444.90	-10.27	12.67	0.47	0.00	21.19	
9,523.00	1.93	294.53	9,502.41	-444.56	-12.70	15.10	1.39	0.70	44.97	
9,649.00	2.15	316.95	9,628.33	-441.95	-16.24	18.63	0.65	0.17	17.79	
9,743.00	2.11	305.26	9,722.27	-439.66	-18.86	21.24	0.46	-0.04	-12.44	
9,838.00	0.53	25.68	9,817.24	-438.26	-20.10	22.47	2.20	-1.66	84.65	
9,932.00	0.92	96.08	9,911.24	-437.94	-19.16	21.53	0.95	0.41	74.89	
10,026.00	1.01	121.04	10,005.22	-438.45	-17.70	20.07	0.45	0.10	26.55	
10,121.00	0.88	124.64	10,100.21	-439.30	-16.38	18.76	0.15	-0.14	3.79	
10,215.00	0.84	169.29	10,194.20	-440.38	-15.66	18.04	0.70	-0.04	47.50	
10,230.00	1.49	185.11	10,209.20	-440.69	-15.65	18.04	4.79	4.33	105.47	
10,309.00	5.89	250.06	10,288.04	-443.09	-19.56	21.96	6.87	5.57	82.22	
10,404.00	16.40	266.23	10,381.13	-445.65	-37.58	39.99	11.44	11.06	17.02	
10,498.00	27.69	263.33	10,468.12	-449.07	-72.63	75.06	12.06	12.01	-3.09	
10,592.00	41.10	265.97	10,545.51	-453.80	-125.38	127.84	14.35	14.27	2.81	
10,686.00	54.20	271.07	10,608.72	-455.26	-194.64	197.10	14.49	13.94	5.43	
10,781.00	58.86	273.44	10,661.11	-452.10	-273.80	276.24	5.33	4.91	2.49	
10,875.00	63.52	273.88	10,706.39	-446.84	-355.97	358.38	4.97	4.96	0.47	
10,970.00	68.22	273.70	10,745.22	-441.11	-442.45	444.83	4.95	4.95	-0.19	
11,064.00	71.56	269.66	10,777.55	-438.56	-530.65	533.02	5.38	3.55	-4.30	
11,159.00	75.56	268.43	10,804.43	-440.09	-621.73	624.11	4.39	4.21	-1.29	
11,253.00	79.87	267.81	10,824.42	-443.10	-713.51	715.90	4.63	4.59	-0.66	
11,347.00	85.32	269.13	10,836.53	-445.58	-806.66	809.06	5.96	5.80	1.40	
11,443.00	91.38	269.66	10,839.30	-446.60	-902.57	904.97	6.34	6.31	0.55	
11,537.00	91.21	268.96	10,837.17	-447.73	-996.53	998.94	0.77	-0.18	-0.74	
11,631.00	90.90	267.55	10,835.44	-450.59	-1,090.47	1,092.89	1.54	-0.33	-1.50	
11,725.00	88.09	266.14	10,836.27	-455.76	-1,184.31	1,186.76	3.34	-2.99	-1.50	
11,820.00	89.10	265.71	10,838.60	-462.51	-1,279.04	1,281.53	1.16	1.06	-0.45	
11,914.00	91.56	265.88	10,838.06	-469.40	-1,372.78	1,375.30	2.62	2.62	0.18	
12,008.00	92.31	268.87	10,834.88	-473.71	-1,466.62	1,469.16	3.28	0.80	3.18	
12,102.00	91.87	271.15	10,831.45	-473.69	-1,560.55	1,563.09	2.47	-0.47	2.43	
12,197.00	89.63	270.98	10,830.21	-471.92	-1,655.52	1,658.05	2.36	-2.36	-0.18	
12,291.00	89.54	270.19	10,830.89	-470.96	-1,749.51	1,752.03	0.85	-0.10	-0.84	
12,385.00	89.27	268.87	10,831.87	-471.73	-1,843.50	1,846.03	1.43	-0.29	-1.40	
12,480.00	89.80	270.19	10,832.64	-472.51	-1,938.49	1,941.02	1.50	0.56	1.39	
12,574.00	91.16	270.45	10,831.85	-471.99	-2,032.49	2,035.01	1.47	1.45	0.28	
12,668.00	90.02	270.89	10,830.88	-470.89	-2,126.47	2,128.99	1.30	-1.21	0.47	
12,763.00	89.27	270.89	10,831.47	-469.41	-2,221.46	2,223.97	0.79	-0.79	0.00	
12,857.00	89.36	270.01	10,832.60	-468.68	-2,315.45	2,317.95	0.94	0.10	-0.94	
12,952.00	88.66	270.89	10,834.24	-467.93	-2,410.43	2,412.93	1.18	-0.74	0.93	
13,047.00	90.73	270.98	10,834.74	-466.38	-2,505.41	2,507.90	2.18	2.18	0.09	
13,142.00	92.44	270.19	10,832.12	-465.41	-2,600.36	2,602.84	1.98	1.80	-0.83	
13,236.00	94.07	270.10	10,826.78	-465.17	-2,694.21	2,696.69	1.74	1.73	-0.10	

Aim Directional Services, LLC

Survey Report

Company: Advance Energy Partners, LLC
Project: Lea County, New Mexico
Site: AO 6 502H
Well: #502H
Wellbore: Aim MWD Surveys
Design: Aim MWD Surveys

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Site AO 6 502H
3629'GL+26.5 @ 3655.50usft (H&P 620)
3629'GL+26.5 @ 3655.50usft (H&P 620)
Grid
Minimum Curvature
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)
13,330.00	94.59	270.01	10,819.68	-465.08	-2,787.94	2,790.42	0.56	0.55	-0.10
13,425.00	94.99	269.48	10,811.75	-465.50	-2,882.61	2,885.08	0.70	0.42	-0.56
13,519.00	94.64	271.86	10,803.86	-464.41	-2,976.26	2,978.73	2.55	-0.37	2.53
13,613.00	91.74	271.68	10,798.63	-461.51	-3,070.06	3,072.51	3.09	-3.09	-0.19
13,708.00	90.37	271.68	10,796.88	-458.73	-3,165.00	3,167.44	1.44	-1.44	0.00
13,802.00	90.64	271.51	10,796.05	-456.11	-3,258.96	3,261.38	0.34	0.29	-0.18
13,896.00	88.22	269.92	10,796.98	-454.94	-3,352.94	3,355.35	3.08	-2.57	-1.69
13,991.00	87.91	268.96	10,800.19	-455.86	-3,447.88	3,450.30	1.06	-0.33	-1.01
14,085.00	89.63	267.64	10,802.21	-458.65	-3,541.81	3,544.24	2.31	1.83	-1.40
14,179.00	91.21	267.20	10,801.52	-462.88	-3,635.71	3,638.16	1.74	1.68	-0.47
14,274.00	91.91	266.50	10,798.94	-468.10	-3,730.53	3,733.01	1.04	0.74	-0.74
14,368.00	91.38	265.53	10,796.24	-474.63	-3,824.26	3,826.78	1.18	-0.56	-1.03
14,463.00	90.68	266.94	10,794.53	-480.87	-3,919.04	3,921.58	1.66	-0.74	1.48
14,557.00	91.78	268.17	10,792.51	-484.88	-4,012.93	4,015.49	1.76	1.17	1.31
14,651.00	92.31	267.81	10,789.16	-488.17	-4,106.81	4,109.39	0.68	0.56	-0.38
14,746.00	91.82	267.38	10,785.73	-492.16	-4,201.67	4,204.27	0.69	-0.52	-0.45
14,840.00	92.22	268.78	10,782.42	-495.30	-4,295.55	4,298.17	1.55	0.43	1.49
14,935.00	92.88	268.78	10,778.19	-497.32	-4,390.44	4,393.06	0.69	0.69	0.00
15,029.00	92.48	271.42	10,773.80	-497.16	-4,484.32	4,486.95	2.84	-0.43	2.81
15,124.00	92.40	272.56	10,769.75	-493.86	-4,579.18	4,581.78	1.20	-0.08	1.20
15,219.00	91.38	271.77	10,766.62	-490.28	-4,674.06	4,676.64	1.36	-1.07	-0.83
15,314.00	90.59	271.07	10,764.99	-487.92	-4,769.01	4,771.58	1.11	-0.83	-0.74
15,408.00	89.14	270.19	10,765.21	-486.89	-4,863.00	4,865.57	1.80	-1.54	-0.94
15,468.00	87.25	270.28	10,767.10	-486.64	-4,922.97	4,925.53	3.15	-3.15	0.15
Last Aim MWD Survey									
15,540.00	87.25	270.28	10,770.55	-486.29	-4,994.89	4,997.45	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	198.98	-1.14	-2.17	First Aim MWD Survey
15,468.00	10,767.10	-486.64	-4,922.97	Last Aim MWD Survey
15,540.00	10,770.55	-486.29	-4,994.89	Projection to BHL