



Advance Energy Partners, LLC

Dagger State Com 604H
Lea County, New Mexico
WT-18-066
H&P 262
Plan 2.0 Final PVA

HOBBS OCD

OCT 09 2018



RECEIVED

*Note - Aim is not responsible for any collision issues against unknown offset wells.
The offset well information shown in this drawing was obtained from a public site;
Which could be missing or have inaccurate data.

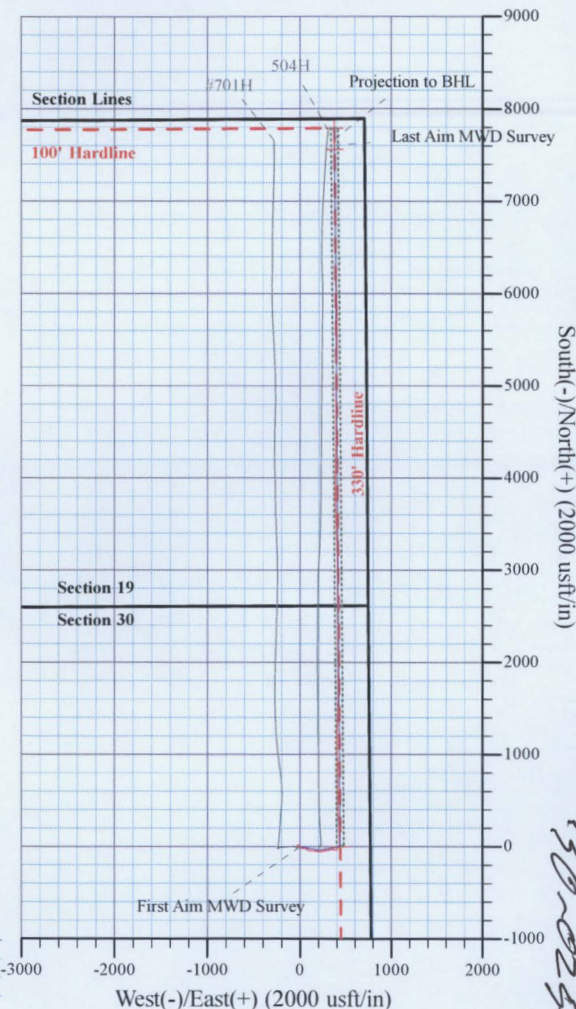
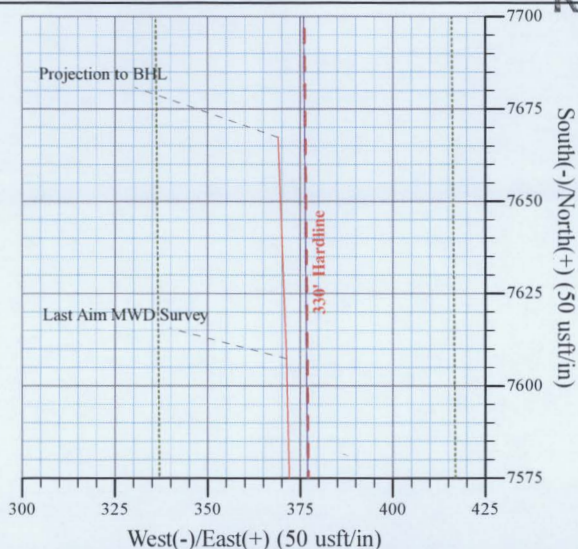
SITE DETAILS: Dagger State Com 604H	
Site Centre Northing:	528194.10
Easting:	765812.60
Positional Uncertainty:	0.00
Convergence:	0.39
Local North:	Grid



Azimuths to Grid North
True North: -0.39°
Magnetic North: 6.39°
Magnetic Field
Strength: 48236.6snT
Dip Angle: 60.29°
Date: 4/16/2018
Model: MVHD

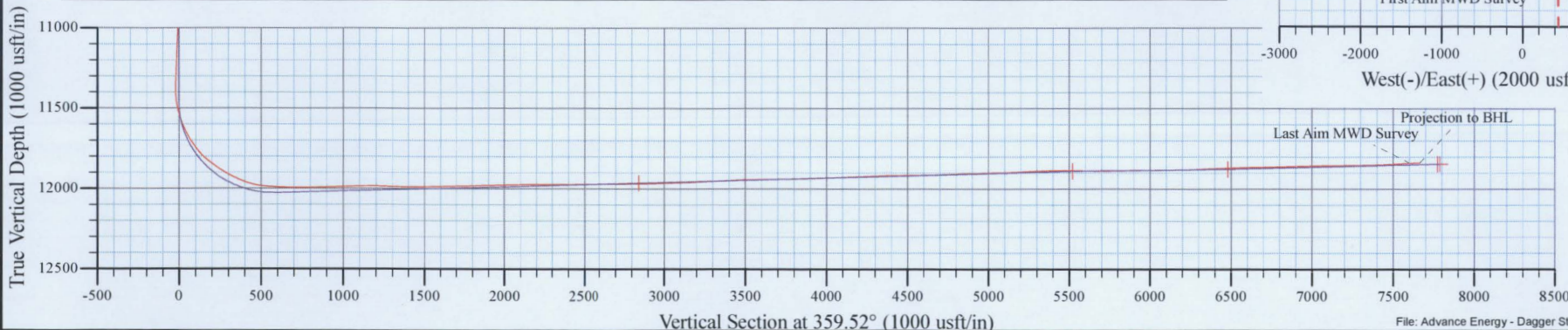
Magnetic North: 6.39° to Grid North

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:	3788'GL+25'KB @ 3813.00usft (H&P 262)



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	19376.00	91.87	357.87	11839.55	7607.50	371.26	0.00	0.00	7604.12	Last Aim MWD Survey
2	19436.00	91.87	357.87	11837.60	7667.42	369.03	0.00	0.00	7664.06	Projection to BHL at 19436.00

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LTP (Dagger604H)	0.00	7561.90	377.30	535756.00	766189.90	32° 28' 14.682 N	103° 36' 15.241 W
PP (Dagger604H)	0.00	1.70	439.90	528195.80	766252.50	32° 26' 59.870 N	103° 36' 15.114 W
PBHL 2.0 (Dagger604H)	11844.62	7791.90	375.20	535986.00	766187.80	32° 28' 16.958 N	103° 36' 15.248 W



30-02544407

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Dagger State Com 604H
Project:	Lea County, New Mexico	TVD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Site:	Dagger State Com 604H	MD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Well:	#604H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

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

Site	Dagger State Com 604H		
Site Position:		Northing:	528,194.10 usft
From:	Map	Easting:	765,812.60 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 26' 59.883 N
		Longitude:	103° 36' 20.247 W
		Grid Convergence:	0.39 °

Well	#604H - Slot 604H		
Well Position	+N/-S	0.00 usft	Northing: 528,194.10 usft
	+E/-W	0.00 usft	Easting: 765,812.60 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 26' 59.883 N
		Longitude:	103° 36' 20.247 W
		Ground Level:	3,788.00 usft

Wellbore	Aim MWD Surveys		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	4/4/2018	6.79
			Dip Angle (°) 60.29
			Field Strength (nT) 48,240.36622308

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)
	0.00	0.00	0.00
			Direction (°) 359.52

Survey Program	Date	4/20/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
195.00	19,436.00	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	
195.00	0.26	190.39	195.00	-0.44	-0.08	-0.43	0.13	0.13	0.00	
First Aim MWD Survey										
252.00	0.44	209.47	252.00	-0.75	-0.21	-0.75	0.37	0.32	33.47	
314.00	1.05	203.58	313.99	-1.48	-0.56	-1.48	0.99	0.98	-9.50	
373.00	0.44	206.74	372.99	-2.18	-0.87	-2.17	1.04	-1.03	5.36	
433.00	1.10	234.16	432.98	-2.72	-1.44	-2.71	1.23	1.10	45.70	
493.00	0.79	218.34	492.97	-3.38	-2.17	-3.36	0.67	-0.52	-26.37	
675.00	0.97	223.88	674.95	-5.48	-4.01	-5.44	0.11	0.10	3.04	
768.00	0.92	233.99	767.94	-6.48	-5.16	-6.44	0.19	-0.05	10.87	
860.00	0.84	264.40	859.93	-6.98	-6.43	-6.93	0.51	-0.09	33.05	

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Site:	Dagger State Com 604H	MD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Well:	#604H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	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)
952.00	1.41	262.38	951.91	-7.20	-8.22	-7.13	0.62	0.62	-2.20
1,045.00	1.85	280.83	1,044.87	-7.07	-10.83	-6.98	0.73	0.47	19.84
1,138.00	2.33	286.11	1,137.81	-6.26	-14.12	-6.14	0.56	0.52	5.68
1,227.00	2.81	285.23	1,226.72	-5.19	-17.97	-5.04	0.54	0.54	-0.99
1,318.00	2.29	291.82	1,317.63	-3.93	-21.81	-3.74	0.66	-0.57	7.24
1,409.00	1.45	325.48	1,408.59	-2.30	-24.15	-2.10	1.48	-0.92	36.99
1,499.00	1.67	348.68	1,498.55	-0.08	-25.05	0.13	0.74	0.24	25.78
1,565.00	1.23	357.03	1,564.53	1.57	-25.28	1.78	0.74	-0.67	12.65
1,688.00	0.44	15.89	1,687.52	3.35	-25.21	3.56	0.67	-0.64	15.33
1,782.00	1.67	332.91	1,781.50	4.91	-25.74	5.13	1.47	1.31	-45.72
1,876.00	4.66	343.64	1,875.35	9.80	-27.44	10.03	3.23	3.18	11.41
1,971.00	2.95	354.01	1,970.14	15.93	-28.78	16.17	1.93	-1.80	10.92
2,065.00	2.02	54.74	2,064.06	19.29	-27.68	19.52	2.81	-0.99	64.61
2,160.00	3.34	125.14	2,158.98	18.67	-24.05	18.87	3.44	1.39	74.11
2,254.00	4.18	134.90	2,252.77	14.67	-19.38	14.83	1.12	0.89	10.38
2,349.00	3.78	133.84	2,347.54	10.06	-14.67	10.18	0.43	-0.42	-1.12
2,444.00	3.74	137.27	2,442.34	5.61	-10.31	5.70	0.24	-0.04	3.61
2,538.00	3.78	131.56	2,536.14	1.31	-5.91	1.36	0.40	0.04	-6.07
2,632.00	3.43	128.66	2,629.95	-2.50	-1.40	-2.49	0.42	-0.37	-3.09
2,727.00	3.08	127.16	2,724.80	-5.82	2.85	-5.85	0.38	-0.37	-1.58
2,821.00	3.21	124.79	2,818.66	-8.85	7.03	-8.91	0.20	0.14	-2.52
2,916.00	2.99	116.53	2,913.52	-11.47	11.43	-11.57	0.52	-0.23	-8.69
3,010.00	2.95	118.64	3,007.39	-13.73	15.75	-13.86	0.12	-0.04	2.24
3,105.00	2.81	112.84	3,102.27	-15.80	20.04	-15.97	0.34	-0.15	-6.11
3,200.00	2.86	102.03	3,197.16	-17.20	24.50	-17.41	0.56	0.05	-11.38
3,294.00	2.90	95.96	3,291.04	-17.94	29.16	-18.18	0.33	0.04	-6.46
3,389.00	3.08	91.65	3,385.91	-18.26	34.10	-18.54	0.30	0.19	-4.54
3,483.00	2.99	87.35	3,479.78	-18.22	39.07	-18.55	0.26	-0.10	-4.57
3,578.00	3.08	102.64	3,574.65	-18.66	44.04	-19.03	0.85	0.09	16.09
3,672.00	2.64	111.34	3,668.53	-20.00	48.52	-20.41	0.66	-0.47	9.26
3,767.00	2.11	112.40	3,763.45	-21.47	52.18	-21.90	0.56	-0.56	1.12
3,861.00	1.80	107.83	3,857.39	-22.58	55.18	-23.04	0.37	-0.33	-4.86
3,955.00	1.67	117.41	3,951.35	-23.66	57.80	-24.14	0.34	-0.14	10.19
4,050.00	2.15	110.37	4,046.30	-24.92	60.70	-25.43	0.56	0.51	-7.41
4,144.00	2.59	106.07	4,140.22	-26.12	64.40	-26.66	0.50	0.47	-4.57
4,238.00	1.98	100.62	4,234.14	-27.01	68.03	-27.58	0.69	-0.65	-5.80
4,333.00	2.42	115.56	4,329.07	-28.17	71.45	-28.77	0.76	0.46	15.73
4,427.00	2.20	116.26	4,423.00	-29.83	74.86	-30.45	0.24	-0.23	0.74
4,522.00	1.89	114.42	4,517.93	-31.28	77.92	-31.94	0.33	-0.33	-1.94
4,616.00	3.03	115.74	4,611.85	-33.00	81.57	-33.69	1.21	1.21	1.40
4,710.00	3.56	111.69	4,705.69	-35.16	86.52	-35.88	0.62	0.56	-4.31
4,805.00	3.08	113.19	4,800.53	-37.26	91.61	-38.02	0.51	-0.51	1.58
4,899.00	2.55	114.94	4,894.42	-39.13	95.83	-39.93	0.57	-0.56	1.86

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Well:	#604H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	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)
4,994.00	2.42	120.92	4,989.33	-41.05	99.46	-41.89	0.31	-0.14	6.29
5,088.00	2.68	117.67	5,083.23	-43.09	103.11	-43.96	0.32	0.28	-3.46
5,182.00	3.38	104.22	5,177.10	-44.80	107.75	-45.70	1.06	0.74	-14.31
5,288.00	3.52	93.41	5,282.91	-45.76	114.02	-46.71	0.63	0.13	-10.20
5,376.00	3.16	92.88	5,370.76	-46.04	119.14	-47.04	0.41	-0.41	-0.60
5,471.00	2.90	89.98	5,465.63	-46.17	124.16	-47.21	0.32	-0.27	-3.05
5,565.00	2.77	89.90	5,559.52	-46.16	128.81	-47.24	0.14	-0.14	-0.09
5,660.00	2.90	95.52	5,654.40	-46.39	133.50	-47.51	0.32	0.14	5.92
5,754.00	2.64	93.59	5,748.29	-46.76	138.03	-47.91	0.29	-0.28	-2.05
5,849.00	2.77	94.82	5,843.18	-47.09	142.50	-48.28	0.15	0.14	1.29
5,943.00	2.64	93.41	5,937.08	-47.41	146.92	-48.63	0.16	-0.14	-1.50
6,038.00	2.29	93.15	6,031.99	-47.64	151.00	-48.90	0.37	-0.37	-0.27
6,132.00	2.29	96.31	6,125.92	-47.95	154.74	-49.24	0.13	0.00	3.36
6,226.00	2.20	90.60	6,219.84	-48.18	158.41	-49.50	0.26	-0.10	-6.07
6,321.00	2.15	91.92	6,314.78	-48.25	162.02	-49.61	0.07	-0.05	1.39
6,415.00	2.33	90.95	6,408.70	-48.34	165.69	-49.73	0.20	0.19	-1.03
6,510.00	2.02	82.51	6,503.64	-48.16	169.28	-49.57	0.47	-0.33	-8.88
6,604.00	1.98	85.15	6,597.58	-47.81	172.54	-49.25	0.11	-0.04	2.81
6,698.00	1.85	80.84	6,691.53	-47.43	175.66	-48.90	0.21	-0.14	-4.59
6,793.00	2.20	87.87	6,786.47	-47.11	178.99	-48.61	0.45	0.37	7.40
6,887.00	3.34	105.45	6,880.36	-47.78	183.44	-49.31	1.50	1.21	18.70
6,982.00	4.22	108.27	6,975.15	-49.61	189.42	-51.20	0.95	0.93	2.97
7,076.00	4.18	114.59	7,068.90	-52.12	195.82	-53.76	0.49	-0.04	6.72
7,171.00	4.92	104.40	7,163.60	-54.57	202.92	-56.27	1.15	0.78	-10.73
7,265.00	4.79	96.14	7,257.26	-56.00	210.72	-57.76	0.76	-0.14	-8.79
7,359.00	4.97	77.24	7,350.93	-55.52	218.60	-57.35	1.71	0.19	-20.11
7,454.00	4.88	75.39	7,445.58	-53.59	226.52	-55.48	0.19	-0.09	-1.95
7,548.00	4.31	78.47	7,539.27	-51.87	233.85	-53.83	0.66	-0.61	3.28
7,643.00	5.19	76.62	7,633.95	-50.17	241.53	-52.19	0.94	0.93	-1.95
7,737.00	4.97	76.10	7,727.58	-48.20	249.62	-50.29	0.24	-0.23	-0.55
7,832.00	3.87	75.75	7,822.29	-46.43	256.72	-48.58	1.16	-1.16	-0.37
7,926.00	4.62	74.34	7,916.04	-44.62	263.44	-46.83	0.81	0.80	-1.50
8,020.00	6.24	79.26	8,009.61	-42.65	272.10	-44.93	1.79	1.72	5.23
8,115.00	6.24	83.48	8,104.05	-41.10	282.31	-43.46	0.48	0.00	4.44
8,209.00	5.76	87.61	8,197.53	-40.32	292.09	-42.77	0.69	-0.51	4.39
8,304.00	4.88	90.42	8,292.12	-40.15	300.90	-42.67	0.97	-0.93	2.96
8,398.00	4.88	78.12	8,385.79	-39.36	308.81	-41.95	1.11	0.00	-13.09
8,492.00	4.92	72.93	8,479.44	-37.35	316.57	-40.01	0.47	0.04	-5.52
8,586.00	4.66	73.28	8,573.11	-35.07	324.09	-37.79	0.28	-0.28	0.37
8,680.00	4.57	78.21	8,666.81	-33.21	331.41	-35.98	0.43	-0.10	5.24
8,775.00	5.27	81.99	8,761.46	-31.83	339.43	-34.67	0.81	0.74	3.98
8,869.00	5.32	82.78	8,855.06	-30.68	348.03	-33.59	0.09	0.05	0.84
8,963.00	3.65	85.50	8,948.77	-29.90	355.34	-32.87	1.79	-1.78	2.89

Aim Directional Services, LLC

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Survey

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9,057.00	4.62	103.87	9,042.53	-30.57	362.00	-33.60	1.73	1.03	19.54
9,151.00	5.98	97.81	9,136.12	-32.14	370.52	-35.24	1.56	1.45	-6.45
9,246.00	4.75	103.26	9,230.71	-33.72	379.26	-36.89	1.40	-1.29	5.74
9,340.00	4.18	87.61	9,324.42	-34.47	386.47	-37.70	1.42	-0.61	-16.65
9,434.00	4.48	65.64	9,418.16	-32.81	393.23	-36.10	1.78	0.32	-23.37
9,528.00	2.73	50.70	9,511.97	-29.88	398.31	-33.21	2.10	-1.86	-15.89
9,623.00	2.73	58.96	9,606.87	-27.28	402.00	-30.64	0.41	0.00	8.69
9,717.00	3.03	53.16	9,700.75	-24.63	405.91	-28.03	0.44	0.32	-6.17
9,811.00	2.37	25.56	9,794.65	-21.39	408.73	-24.81	1.53	-0.70	-29.36
9,906.00	2.68	22.75	9,889.55	-17.57	410.44	-21.01	0.35	0.33	-2.96
10,000.00	2.86	28.81	9,983.44	-13.49	412.42	-16.94	0.37	0.19	6.45
10,095.00	3.47	51.22	10,078.30	-9.61	415.80	-13.09	1.44	0.64	23.59
10,189.00	2.81	59.05	10,172.16	-6.64	420.00	-10.16	0.84	-0.70	8.33
10,283.00	2.37	61.68	10,266.07	-4.54	423.68	-8.09	0.48	-0.47	2.80
10,378.00	1.19	40.68	10,361.02	-2.86	426.06	-6.43	1.40	-1.24	-22.11
10,472.00	1.36	60.89	10,455.00	-1.57	427.67	-5.16	0.51	0.18	21.50
10,566.00	2.81	83.74	10,548.93	-0.78	430.93	-4.39	1.75	1.54	24.31
10,661.00	2.68	92.53	10,643.82	-0.62	435.47	-4.27	0.46	-0.14	9.25
10,755.00	1.49	99.04	10,737.76	-0.91	438.87	-4.59	1.29	-1.27	6.93
10,849.00	1.32	113.36	10,831.73	-1.53	441.07	-5.23	0.41	-0.18	15.23
10,944.00	1.58	119.95	10,926.70	-2.62	443.21	-6.34	0.32	0.27	6.94
11,038.00	1.80	174.53	11,020.67	-4.74	444.47	-8.46	1.66	0.23	58.06
11,132.00	2.68	196.07	11,114.60	-8.32	444.01	-12.04	1.28	0.94	22.91
11,227.00	2.24	216.55	11,209.51	-11.95	442.28	-15.65	1.03	-0.46	21.56
11,321.00	2.07	209.16	11,303.44	-14.90	440.36	-18.59	0.35	-0.18	-7.86
11,434.00	0.40	200.37	11,416.41	-17.06	439.23	-20.74	1.48	-1.48	-7.78
11,528.00	15.21	351.99	11,509.34	-5.08	437.39	-8.74	16.56	15.76	161.30
11,623.00	20.97	354.62	11,599.61	24.21	434.05	20.57	6.12	6.06	2.77
11,670.00	26.90	351.81	11,642.55	43.12	431.75	39.51	12.84	12.62	-5.98
11,718.00	29.05	354.27	11,684.94	65.47	429.04	61.87	5.08	4.48	5.13
11,765.00	33.98	356.38	11,724.99	89.95	427.07	86.37	10.75	10.49	4.49
11,813.00	38.07	356.91	11,763.80	118.12	425.42	114.56	8.55	8.52	1.10
11,860.00	44.35	357.00	11,799.15	149.03	423.78	145.47	13.36	13.36	0.19
11,907.00	50.51	358.67	11,830.93	183.60	422.50	180.05	13.36	13.11	3.55
11,954.00	53.80	358.05	11,859.76	220.69	421.43	217.16	7.08	7.00	-1.32
12,001.00	58.07	357.00	11,886.08	259.58	419.74	256.06	9.27	9.09	-2.23
12,048.00	61.10	357.26	11,909.87	300.06	417.71	296.55	6.46	6.45	0.55
12,096.00	63.12	357.17	11,932.32	342.43	415.65	338.94	4.21	4.21	-0.19
12,143.00	65.80	358.40	11,952.58	384.80	414.02	381.32	6.17	5.70	2.62
12,190.00	72.18	359.11	11,969.43	428.64	413.07	425.17	13.65	13.57	1.51
12,237.00	79.03	0.25	11,981.10	474.14	412.83	470.67	14.76	14.57	2.43
12,285.00	84.75	359.90	11,987.87	521.64	412.89	518.16	11.94	11.92	-0.73
12,310.00	85.98	359.28	11,989.89	546.56	412.71	543.08	5.51	4.92	-2.48
12,404.00	88.48	359.90	11,994.44	640.44	412.04	636.96	2.74	2.66	0.66

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Dagger State Com 604H
Project:	Lea County, New Mexico	TVD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Site:	Dagger State Com 604H	MD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Well:	#604H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	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)
12,499.00	89.05	359.46	11,996.48	735.41	411.51	731.94	0.76	0.60	-0.46
12,593.00	91.78	359.11	11,995.80	829.39	410.33	825.93	2.93	2.90	-0.37
12,688.00	92.09	357.79	11,992.60	924.30	407.77	920.85	1.43	0.33	-1.39
12,782.00	92.09	358.23	11,989.17	1,018.18	404.50	1,014.76	0.47	0.00	0.47
12,877.00	91.65	0.07	11,986.07	1,113.12	403.10	1,109.70	1.99	-0.46	1.94
12,971.00	88.70	1.92	11,985.78	1,207.09	404.73	1,203.66	3.70	-3.14	1.97
13,066.00	87.91	1.21	11,988.59	1,302.01	407.32	1,298.55	1.12	-0.83	-0.75
13,160.00	89.93	1.65	11,990.36	1,395.96	409.67	1,392.48	2.20	2.15	0.47
13,254.00	90.68	2.18	11,989.86	1,489.91	412.81	1,486.39	0.98	0.80	0.56
13,348.00	91.21	1.13	11,988.31	1,583.85	415.52	1,580.32	1.25	0.56	-1.12
13,443.00	90.73	0.25	11,986.70	1,678.83	416.67	1,675.28	1.06	-0.51	-0.93
13,538.00	92.22	0.42	11,984.26	1,773.79	417.22	1,770.24	1.58	1.57	0.18
13,632.00	91.82	359.19	11,980.94	1,867.73	416.90	1,864.18	1.38	-0.43	-1.31
13,726.00	91.38	357.44	11,978.32	1,961.65	414.14	1,958.11	1.92	-0.47	-1.86
13,821.00	90.90	0.07	11,976.43	2,056.60	412.07	2,053.08	2.81	-0.51	2.77
13,915.00	90.90	359.54	11,974.95	2,150.59	411.75	2,147.06	0.56	0.00	-0.56
14,010.00	90.24	358.75	11,974.01	2,245.57	410.34	2,242.06	1.08	-0.69	-0.83
14,105.00	89.80	0.51	11,973.97	2,340.57	409.72	2,337.05	1.91	-0.46	1.85
14,199.00	90.02	358.93	11,974.12	2,434.56	409.26	2,431.05	1.70	0.23	-1.68
14,294.00	90.15	0.07	11,973.98	2,529.56	408.44	2,526.05	1.21	0.14	1.20
14,388.00	91.30	1.21	11,972.79	2,623.54	409.49	2,620.02	1.72	1.22	1.21
14,482.00	91.16	1.04	11,970.77	2,717.50	411.33	2,713.96	0.23	-0.15	-0.18
14,576.00	89.71	359.54	11,970.06	2,811.49	411.81	2,807.94	2.22	-1.54	-1.60
14,670.00	92.04	359.46	11,968.62	2,905.47	410.99	2,901.93	2.48	2.48	-0.09
14,765.00	92.00	358.67	11,965.28	3,000.40	409.44	2,996.86	0.83	-0.04	-0.83
14,860.00	91.47	357.96	11,962.40	3,095.31	406.64	3,091.80	0.93	-0.56	-0.75
14,954.00	92.13	358.58	11,959.45	3,189.22	403.81	3,185.73	0.96	0.70	0.66
15,049.00	93.58	357.87	11,954.71	3,284.06	400.87	3,280.58	1.70	1.53	-0.75
15,144.00	93.54	356.91	11,948.82	3,378.77	396.55	3,375.33	1.01	-0.04	-1.01
15,238.00	91.21	358.67	11,944.92	3,472.61	392.93	3,469.20	3.11	-2.48	1.87
15,332.00	91.25	358.75	11,942.90	3,566.57	390.82	3,563.17	0.10	0.04	0.09
15,427.00	90.59	357.35	11,941.38	3,661.50	387.58	3,658.12	1.63	-0.69	-1.47
15,522.00	90.90	358.23	11,940.14	3,756.42	383.92	3,753.07	0.98	0.33	0.93
15,616.00	91.60	0.07	11,938.09	3,850.38	382.53	3,847.04	2.09	0.74	1.96
15,710.00	91.82	1.21	11,935.29	3,944.33	383.58	3,940.98	1.23	0.23	1.21
15,805.00	92.35	0.69	11,931.83	4,039.25	385.15	4,035.89	0.78	0.56	-0.55
15,899.00	93.10	1.65	11,927.36	4,133.13	387.07	4,129.74	1.30	0.80	1.02
15,994.00	91.78	1.74	11,923.32	4,228.00	389.87	4,224.58	1.39	-1.39	0.09
16,088.00	92.53	0.42	11,919.78	4,321.91	391.64	4,318.48	1.61	0.80	-1.40
16,182.00	90.37	0.07	11,917.40	4,415.87	392.05	4,412.43	2.33	-2.30	-0.37
16,277.00	90.59	358.84	11,916.61	4,510.86	391.14	4,507.43	1.32	0.23	-1.29
16,372.00	90.55	359.81	11,915.66	4,605.85	390.02	4,602.42	1.02	-0.04	1.02
16,466.00	92.70	359.19	11,913.00	4,699.80	389.20	4,696.38	2.38	2.29	-0.66

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Dagger State Com 604H
Project:	Lea County, New Mexico	TVD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Site:	Dagger State Com 604H	MD Reference:	3788'GL+25'KB @ 3813.00usft (H&P 262)
Well:	#604H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	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)
16,561.00	93.32	1.39	11,908.01	4,794.67	389.68	4,791.23	2.40	0.65	2.32
16,655.00	90.99	2.18	11,904.47	4,888.55	392.61	4,885.09	2.62	-2.48	0.84
16,750.00	91.08	0.86	11,902.76	4,983.50	395.13	4,980.01	1.39	0.09	-1.39
16,844.00	91.60	1.13	11,900.56	5,077.46	396.76	5,073.95	0.62	0.55	0.29
16,939.00	92.75	0.34	11,896.95	5,172.38	397.98	5,168.86	1.47	1.21	-0.83
17,033.00	92.62	1.92	11,892.55	5,266.25	399.83	5,262.72	1.68	-0.14	1.68
17,128.00	92.88	1.83	11,887.99	5,361.09	402.94	5,357.53	0.29	0.27	-0.09
17,222.00	90.11	1.92	11,885.54	5,455.00	406.01	5,451.41	2.95	-2.95	0.10
17,316.00	88.84	0.25	11,886.40	5,548.97	407.79	5,545.36	2.23	-1.35	-1.78
17,411.00	88.22	359.11	11,888.84	5,643.94	407.26	5,640.33	1.37	-0.65	-1.20
17,505.00	90.55	359.46	11,889.85	5,737.92	406.09	5,734.32	2.51	2.48	0.37
17,600.00	92.04	358.58	11,887.70	5,832.88	404.46	5,829.29	1.82	1.57	-0.93
17,694.00	90.95	358.58	11,885.25	5,926.82	402.13	5,923.24	1.16	-1.16	0.00
17,789.00	90.02	357.52	11,884.44	6,021.76	398.90	6,018.20	1.48	-0.98	-1.12
17,883.00	90.46	356.56	11,884.05	6,115.63	394.05	6,112.11	1.12	0.47	-1.02
17,978.00	92.44	357.87	11,881.65	6,210.48	389.43	6,207.00	2.50	2.08	1.38
18,072.00	93.14	359.37	11,877.07	6,304.34	387.17	6,300.87	1.76	0.74	1.60
18,167.00	91.30	0.16	11,873.39	6,399.26	386.78	6,395.80	2.11	-1.94	0.83
18,261.00	92.04	359.46	11,870.65	6,493.22	386.47	6,489.75	1.08	0.79	-0.74
18,355.00	91.21	359.90	11,867.98	6,587.18	385.95	6,583.71	1.00	-0.88	0.47
18,450.00	91.60	359.37	11,865.66	6,682.15	385.34	6,678.68	0.69	0.41	-0.56
18,544.00	91.34	359.54	11,863.24	6,776.11	384.45	6,772.65	0.33	-0.28	0.18
18,638.00	92.22	358.93	11,860.32	6,870.06	383.19	6,866.61	1.14	0.94	-0.65
18,733.00	91.30	359.46	11,857.41	6,965.00	381.86	6,961.56	1.12	-0.97	0.56
18,827.00	90.15	359.63	11,856.22	7,058.99	381.11	7,055.55	1.24	-1.22	0.18
18,922.00	90.68	359.11	11,855.53	7,153.98	380.07	7,150.55	0.78	0.56	-0.55
19,016.00	91.47	358.23	11,853.77	7,247.94	377.89	7,244.52	1.26	0.84	-0.94
19,111.00	90.07	359.02	11,852.49	7,342.90	375.61	7,339.49	1.69	-1.47	0.83
19,205.00	93.54	359.19	11,849.53	7,436.83	374.14	7,433.43	3.70	3.69	0.18
19,300.00	93.89	359.46	11,843.37	7,531.62	373.02	7,528.23	0.46	0.37	0.28
19,376.00	91.87	357.87	11,839.55	7,607.50	371.26	7,604.12	3.38	-2.66	-2.09
Last Aim MWD Survey									
19,436.00	91.87	357.87	11,837.60	7,667.42	369.03	7,664.06	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)	
195.00	195.00	-0.44	-0.08	First Aim MWD Survey
19,376.00	11,839.55	7,247.94	377.89	Last Aim MWD Survey
19,436.00	11,837.60	7,607.50	371.26	Projection to BHL