



Advance Energy Partners, LLC

Dagger State Com 701H Previously planned as 704H
Lea County, New Mexico
Job No. WT-18-019
H&P 262
Plan 1.0 Final PVA



SITE DETAILS: Dagger State Com 701H

Site Centre Northing: 528194.00
Easting: 765782.60
Positional Uncertainty: 0.00
Convergence: 0.39
Local North: Grid



Azimuths to Grid North
True North: -0.39°
Magnetic North: 6.41°

Magnetic Field
Strength: 48257.0nT
Dip Angle: 60.31°
Date: 2/21/2018
Model: MVHD

Magnetic North: 6.41° to Grid North

PROJECT DETAILS: Lea County, New Mexico

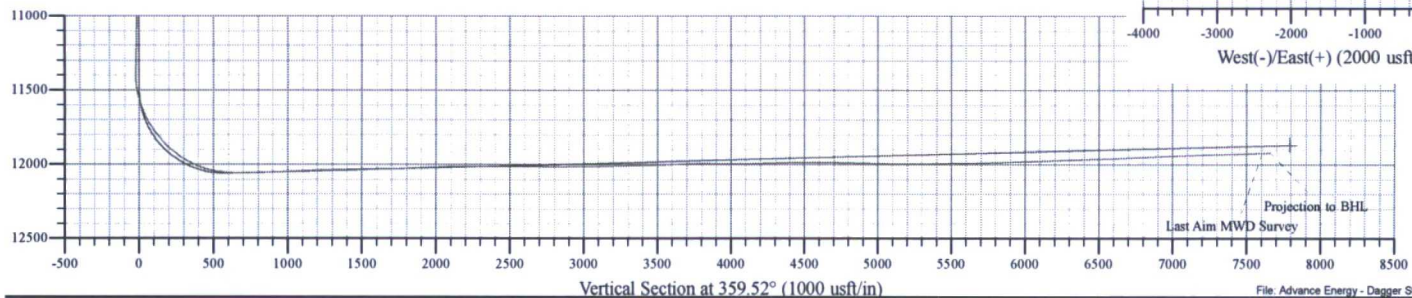
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Depth Reference:
3789'GL+25'KB @ 3814.00usft (H&P 262)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	19417.00	91.65	359.03	11924.10	7603.79	-251.62	0.00	0.00	7605.63	Last Aim MWD Survey
2	19474.00	91.65	359.03	11922.46	7660.76	-252.58	0.00	0.00	7662.61	Projection to BHL

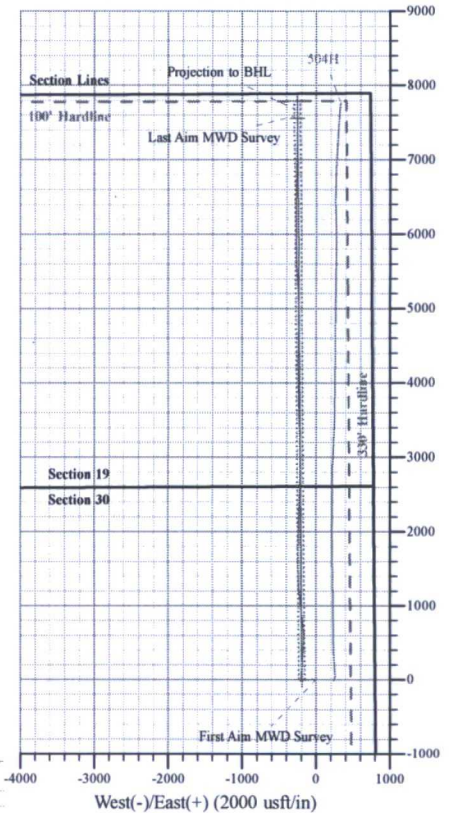
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	Easting	Latitude	Longitude
LTP (Dagger701H)	0.00	7558.30	-252.70	535752.30	765529.90	$32^\circ 28' 14.690^\circ \text{N}$	$103^\circ 36' 22.946^\circ \text{W}$
PP (Dagger701H)	0.00	-1.50	-190.10	528192.50	765592.50	$32^\circ 26' 59.882^\circ \text{N}$	$103^\circ 36' 22.816^\circ \text{W}$
PBHL 1.0 (Dagger701H)	11869.00	7788.30	-254.70	535982.30	765527.90	$32^\circ 28' 16.966^\circ \text{N}$	$103^\circ 36' 22.951^\circ \text{W}$



Vertical Section at 359.52° (1000 usft/in)

*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.



Drawn E
Date Created: 1/04
Date Revised: 3/27
File: Advance Energy - Dagger State Com 701H Plan 1.0 Final PVA

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Dagger State Com 701H
Project:	Lea County, New Mexico	TVD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Site:	Dagger State Com 701H	MD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Well:	#701H	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 701H			
Site Position:		Northing:	528,194.00 usft	Latitude:	32° 26' 59.884 N
From:	Map	Easting:	765,782.60 usft	Longitude:	103° 36' 20.597 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.39 °

Well	#701H - Slot 704H					
Well Position	+N/-S	0.00 usft	Northing:	528,194.00 usft	Latitude:	32° 26' 59.884 N
	+E/-W	0.00 usft	Easting:	765,782.60 usft	Longitude:	103° 36' 20.597 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,789.00 usft

Wellbore	Aim MWD Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	2/26/2018	6.80	60.31	48,255.49640956

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		359.52

Survey Program	Date	3/27/2018			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
198.00	19,474.00	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	
198.00	0.22	131.65	198.00	-0.25	0.28	-0.25	0.11	0.11	0.00	
First Aim MWD Survey										
259.00	0.40	164.26	259.00	-0.54	0.43	-0.54	0.40	0.30	53.46	
321.00	0.40	164.26	321.00	-0.95	0.55	-0.96	0.00	0.00	0.00	
439.00	0.09	199.59	439.00	-1.44	0.63	-1.44	0.28	-0.26	29.94	
590.00	0.09	79.45	590.00	-1.53	0.70	-1.53	0.10	0.00	-79.56	
680.00	0.04	180.35	680.00	-1.54	0.77	-1.55	0.12	-0.06	112.11	
861.00	0.53	222.71	860.99	-2.22	0.21	-2.22	0.28	0.27	23.40	
1,044.00	0.88	241.69	1,043.98	-3.51	-1.61	-3.50	0.23	0.19	10.37	
1,137.00	0.97	255.49	1,136.97	-4.05	-3.00	-4.02	0.26	0.10	14.84	

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Site:	Dagger State Com 701H	MD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Well:	#701H	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)
1,228.00	1.14	241.34	1,227.95	-4.67	-4.54	-4.64	0.34	0.19	-15.55
1,413.00	2.02	252.50	1,412.88	-6.54	-9.26	-6.46	0.50	0.48	6.03
1,508.00	1.71	258.92	1,507.83	-7.31	-12.25	-7.21	0.39	-0.33	6.76
1,549.00	1.58	252.68	1,548.81	-7.60	-13.39	-7.49	0.54	-0.32	-15.22
1,699.00	1.05	260.50	1,698.77	-8.44	-16.72	-8.30	0.37	-0.35	5.21
1,794.00	0.62	261.91	1,793.76	-8.66	-18.09	-8.51	0.45	-0.45	1.48
1,888.00	0.26	234.22	1,887.76	-8.85	-18.76	-8.70	0.43	-0.38	-29.46
1,983.00	0.18	217.61	1,982.76	-9.10	-19.03	-8.94	0.11	-0.08	-17.48
2,077.00	0.22	153.71	2,076.76	-9.38	-19.04	-9.22	0.23	0.04	-67.98
2,172.00	0.48	142.20	2,171.76	-9.85	-18.71	-9.70	0.28	0.27	-12.12
2,266.00	0.26	180.87	2,265.75	-10.38	-18.48	-10.22	0.34	-0.23	41.14
2,361.00	0.09	169.18	2,360.75	-10.67	-18.47	-10.51	0.18	-0.18	-12.31
2,549.00	0.26	22.41	2,548.75	-10.42	-18.28	-10.26	0.18	0.09	-78.07
2,644.00	0.62	44.99	2,643.75	-9.86	-17.83	-9.71	0.41	0.38	23.77
2,738.00	0.66	80.59	2,737.75	-9.41	-16.94	-9.27	0.42	0.04	37.87
2,832.00	0.44	45.52	2,831.74	-9.07	-16.14	-8.93	0.42	-0.23	-37.31
3,022.00	1.36	62.22	3,021.72	-7.50	-13.63	-7.39	0.50	0.48	8.79
3,116.00	1.58	76.37	3,115.69	-6.68	-11.38	-6.58	0.45	0.23	15.05
3,211.00	1.71	64.51	3,210.65	-5.76	-8.83	-5.69	0.38	0.14	-12.48
3,305.00	1.19	39.46	3,304.62	-4.40	-6.94	-4.34	0.86	-0.55	-26.65
3,494.00	1.41	28.47	3,493.57	-0.84	-4.59	-0.80	0.18	0.12	-5.81
3,589.00	0.79	64.59	3,588.55	0.47	-3.44	0.49	0.95	-0.65	38.02
3,684.00	0.92	178.59	3,683.55	-0.02	-2.83	0.01	1.51	0.14	120.00
3,778.00	0.62	196.96	3,777.54	-1.26	-2.96	-1.23	0.41	-0.32	19.54
3,872.00	0.35	186.15	3,871.53	-2.03	-3.14	-2.00	0.30	-0.29	-11.50
3,967.00	0.22	57.65	3,966.53	-2.22	-3.01	-2.19	0.54	-0.14	-135.26
4,061.00	0.62	218.93	4,060.53	-2.52	-3.18	-2.49	0.88	0.43	171.57
4,156.00	0.00	246.18	4,155.53	-2.92	-3.50	-2.89	0.65	-0.65	0.00
4,250.00	0.26	321.59	4,249.53	-2.75	-3.64	-2.72	0.28	0.28	0.00
4,344.00	0.44	275.79	4,343.53	-2.55	-4.13	-2.51	0.34	0.19	-48.72
4,439.00	0.40	260.15	4,438.53	-2.57	-4.82	-2.53	0.13	-0.04	-16.46
4,534.00	0.40	215.24	4,533.52	-2.90	-5.34	-2.85	0.32	0.00	-47.27
4,628.00	0.31	240.02	4,627.52	-3.29	-5.75	-3.24	0.19	-0.10	26.36
4,817.00	0.09	64.51	4,816.52	-3.48	-6.06	-3.43	0.21	-0.12	-92.86
4,912.00	0.48	133.06	4,911.52	-3.72	-5.70	-3.67	0.48	0.41	72.16
5,006.00	0.09	141.85	5,005.52	-4.05	-5.36	-4.00	0.42	-0.41	9.35
5,100.00	0.18	173.49	5,099.52	-4.25	-5.30	-4.21	0.12	0.10	33.66
5,195.00	0.18	150.55	5,194.52	-4.53	-5.21	-4.49	0.08	0.00	-24.15
5,223.00	0.13	124.45	5,222.52	-4.59	-5.16	-4.54	0.30	-0.18	-93.21
5,287.00	0.09	267.97	5,286.52	-4.63	-5.15	-4.59	0.33	-0.06	224.25
5,381.00	0.70	292.93	5,380.52	-4.41	-5.76	-4.36	0.66	0.65	26.55
5,475.00	2.68	285.20	5,474.47	-3.61	-8.41	-3.54	2.12	2.11	-8.22
5,570.00	3.91	292.49	5,569.31	-1.79	-13.54	-1.68	1.37	1.29	7.67

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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)
5,664.00	3.91	293.81	5,663.09	0.73	-19.44	0.89	0.10	0.00	1.40
5,759.00	4.44	280.80	5,757.84	2.73	-26.01	2.95	1.14	0.56	-13.69
5,853.00	4.88	269.82	5,851.53	3.40	-33.58	3.68	1.06	0.47	-11.68
5,947.00	5.32	264.90	5,945.16	3.00	-41.92	3.35	0.66	0.47	-5.23
6,042.00	5.01	265.16	6,039.78	2.26	-50.44	2.68	0.33	-0.33	0.27
6,136.00	4.79	265.51	6,133.43	1.60	-58.45	2.09	0.24	-0.23	0.37
6,230.00	4.92	264.28	6,227.09	0.89	-66.37	1.45	0.18	0.14	-1.31
6,325.00	5.01	263.05	6,321.74	-0.01	-74.54	0.61	0.15	0.09	-1.29
6,419.00	4.70	265.16	6,415.40	-0.84	-82.45	-0.15	0.38	-0.33	2.24
6,514.00	4.48	264.90	6,510.10	-1.49	-90.03	-0.74	0.23	-0.23	-0.27
6,608.00	4.48	265.34	6,603.81	-2.12	-97.34	-1.30	0.04	0.00	0.47
6,702.00	4.35	265.07	6,697.53	-2.72	-104.55	-1.85	0.14	-0.14	-0.29
6,797.00	4.44	264.19	6,792.25	-3.41	-111.80	-2.47	0.12	0.09	-0.93
6,891.00	4.44	265.60	6,885.97	-4.05	-119.05	-3.06	0.12	0.00	1.50
6,985.00	4.44	266.57	6,979.69	-4.55	-126.31	-3.49	0.08	0.00	1.03
7,080.00	4.31	264.81	7,074.41	-5.09	-133.53	-3.97	0.20	-0.14	-1.85
7,174.00	4.18	263.75	7,168.15	-5.79	-140.46	-4.61	0.16	-0.14	-1.13
7,269.00	4.09	264.54	7,262.90	-6.48	-147.27	-5.25	0.11	-0.09	0.83
7,363.00	3.82	268.32	7,356.68	-6.90	-153.74	-5.61	0.40	-0.29	4.02
7,458.00	3.69	267.27	7,451.48	-7.13	-159.95	-5.79	0.15	-0.14	-1.11
7,552.00	3.60	266.74	7,545.29	-7.45	-165.92	-6.06	0.10	-0.10	-0.56
7,647.00	3.47	268.85	7,640.11	-7.67	-171.77	-6.23	0.19	-0.14	2.22
7,741.00	3.34	269.03	7,733.94	-7.78	-177.36	-6.29	0.14	-0.14	0.19
7,836.00	3.21	268.59	7,828.78	-7.89	-182.78	-6.36	0.14	-0.14	-0.46
7,930.00	2.42	279.40	7,922.67	-7.63	-187.37	-6.06	1.01	-0.84	11.50
8,024.00	2.07	280.37	8,016.60	-7.00	-191.00	-5.40	0.37	-0.37	1.03
8,119.00	1.98	275.53	8,111.54	-6.53	-194.32	-4.90	0.20	-0.09	-5.09
8,213.00	1.93	285.99	8,205.49	-5.94	-197.46	-4.29	0.38	-0.05	11.13
8,307.00	0.79	295.57	8,299.46	-5.22	-199.56	-3.55	1.23	-1.21	10.19
8,402.00	0.62	287.40	8,394.45	-4.79	-200.65	-3.11	0.21	-0.18	-8.60
8,496.00	0.53	278.70	8,488.45	-4.57	-201.56	-2.88	0.13	-0.10	-9.26
8,591.00	0.70	266.39	8,583.44	-4.54	-202.57	-2.84	0.23	0.18	-12.96
8,685.00	0.92	257.78	8,677.43	-4.74	-203.88	-3.03	0.27	0.23	-9.16
8,779.00	0.84	143.17	8,771.42	-5.45	-204.21	-3.74	1.58	-0.09	-121.93
8,874.00	0.92	144.31	8,866.41	-6.62	-203.35	-4.92	0.09	0.08	1.20
8,968.00	0.79	165.93	8,960.40	-7.87	-202.75	-6.17	0.37	-0.14	23.00
9,062.00	1.23	180.87	9,054.39	-9.50	-202.61	-7.81	0.54	0.47	15.89
9,157.00	0.48	51.76	9,149.38	-10.28	-202.31	-8.58	1.66	-0.79	-135.91
9,251.00	0.70	32.87	9,243.38	-9.55	-201.69	-7.86	0.31	0.23	-20.10
9,345.00	0.26	171.20	9,337.37	-9.28	-201.34	-7.59	0.97	-0.47	147.16
9,440.00	0.09	293.11	9,432.37	-9.46	-201.38	-7.78	0.33	-0.18	128.33
9,534.00	0.35	258.74	9,526.37	-9.49	-201.73	-7.80	0.30	0.28	-36.56
9,628.00	0.88	264.98	9,620.37	-9.61	-202.73	-7.91	0.57	0.56	6.64

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9,723.00	1.05	234.31	9,715.36	-10.18	-204.16	-8.47	0.56	0.18	-32.28
9,817.00	1.05	164.61	9,809.34	-11.51	-204.63	-9.80	1.28	0.00	-74.15
9,912.00	1.67	147.47	9,904.32	-13.52	-203.66	-11.81	0.77	0.65	-18.04
10,006.00	1.05	144.49	9,998.29	-15.38	-202.42	-13.68	0.66	-0.66	-3.17
10,100.00	0.92	138.42	10,092.28	-16.64	-201.42	-14.95	0.18	-0.14	-6.46
10,195.00	1.10	131.83	10,187.26	-17.82	-200.24	-16.14	0.23	0.19	-6.94
10,289.00	1.01	116.27	10,281.24	-18.79	-198.82	-17.12	0.32	-0.10	-16.55
10,383.00	0.88	63.28	10,375.23	-18.83	-197.43	-17.18	0.91	-0.14	-56.37
10,478.00	0.97	34.80	10,470.22	-17.84	-196.32	-16.20	0.49	0.09	-29.98
10,572.00	0.88	358.41	10,564.21	-16.47	-195.89	-14.83	0.62	-0.10	-38.71
10,667.00	0.53	320.09	10,659.20	-15.40	-196.19	-13.76	0.60	-0.37	-40.34
10,761.00	0.48	270.35	10,753.20	-15.07	-196.86	-13.42	0.45	-0.05	-52.91
10,855.00	0.70	247.05	10,847.20	-15.29	-197.79	-13.63	0.34	0.23	-24.79
10,950.00	0.79	244.24	10,942.19	-15.80	-198.91	-14.13	0.10	0.09	-2.96
11,044.00	1.23	231.85	11,036.17	-16.70	-200.29	-15.02	0.52	0.47	-13.18
11,138.00	1.19	225.96	11,130.15	-18.00	-201.78	-16.31	0.14	-0.04	-6.27
11,233.00	1.27	230.18	11,225.13	-19.36	-203.30	-17.66	0.13	0.08	4.44
11,327.00	2.02	232.80	11,319.09	-21.03	-205.42	-19.31	0.80	0.80	2.79
11,372.00	2.15	237.47	11,364.06	-21.97	-206.76	-20.23	0.48	0.29	10.38
11,433.00	2.11	258.83	11,425.02	-22.80	-208.83	-21.05	1.30	-0.07	35.02
11,481.00	6.42	5.27	11,472.92	-20.29	-209.45	-18.54	15.21	8.98	221.75
11,528.00	13.32	10.72	11,519.19	-12.35	-208.20	-10.60	14.80	14.68	11.60
11,575.00	16.66	12.74	11,564.59	-0.45	-205.71	1.27	7.19	7.11	4.30
11,622.00	19.47	12.74	11,609.27	13.76	-202.49	15.46	5.98	5.98	0.00
11,669.00	23.38	7.20	11,653.02	30.66	-199.60	32.33	9.36	8.32	-11.79
11,716.00	28.18	2.45	11,695.33	51.01	-197.95	52.67	11.11	10.21	-10.11
11,763.00	32.35	2.72	11,735.92	74.67	-196.88	76.32	8.88	8.87	0.57
11,811.00	36.26	3.51	11,775.56	101.68	-195.40	103.31	8.20	8.15	1.65
11,858.00	39.96	4.56	11,812.53	130.61	-193.35	132.22	7.99	7.87	2.23
11,906.00	42.99	5.36	11,848.49	162.27	-190.59	163.86	6.41	6.31	1.67
11,953.00	45.63	4.04	11,882.12	194.99	-187.91	196.56	5.95	5.62	-2.81
12,000.00	50.59	1.84	11,913.50	229.92	-186.15	231.47	11.11	10.55	-4.68
12,047.00	54.29	1.58	11,942.14	267.15	-185.04	268.69	7.88	7.87	-0.55
12,094.00	59.82	3.33	11,967.69	306.54	-183.33	308.07	12.17	11.77	3.72
12,141.00	63.65	4.30	11,989.95	347.84	-180.57	349.34	8.35	8.15	2.06
12,189.00	67.52	6.06	12,009.79	391.35	-176.61	392.82	8.73	8.06	3.67
12,236.00	71.38	6.50	12,026.28	435.09	-171.80	436.51	8.26	8.21	0.94
12,283.00	76.75	4.83	12,039.18	480.05	-167.35	481.43	11.92	11.43	-3.55
12,330.00	80.53	2.54	12,048.44	526.02	-164.39	527.38	9.35	8.04	-4.87
12,377.00	85.27	359.47	12,054.25	572.63	-163.58	573.98	11.99	10.09	-6.53
12,408.00	86.51	358.59	12,056.47	603.55	-164.10	604.90	4.90	4.00	-2.84
12,503.00	91.30	353.75	12,058.28	698.26	-170.45	699.67	7.17	5.04	-5.09
12,597.00	91.03	353.05	12,056.37	791.62	-181.25	793.11	0.80	-0.29	-0.74
12,691.00	92.57	352.87	12,053.42	884.86	-192.77	886.45	1.65	1.64	-0.19

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Dagger State Com 701H
Project:	Lea County, New Mexico	TVD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Site:	Dagger State Com 701H	MD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Well:	#701H	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)
12,785.00	92.31	352.17	12,049.42	977.98	-204.99	979.66	0.79	-0.28	-0.74
12,879.00	91.87	353.58	12,045.99	1,071.19	-216.64	1,072.96	1.57	-0.47	1.50
12,973.00	91.82	356.65	12,042.96	1,164.79	-224.64	1,166.63	3.26	-0.05	3.27
13,068.00	92.84	357.09	12,039.10	1,259.56	-229.82	1,261.44	1.17	1.07	0.46
13,162.00	92.22	356.92	12,034.95	1,353.34	-234.73	1,355.26	0.68	-0.66	-0.18
13,256.00	90.07	358.94	12,033.07	1,447.25	-238.12	1,449.20	3.14	-2.29	2.15
13,351.00	90.99	359.82	12,032.19	1,542.24	-239.15	1,544.19	1.34	0.97	0.93
13,445.00	90.37	358.94	12,031.08	1,636.23	-240.17	1,638.18	1.15	-0.66	-0.94
13,539.00	91.78	0.79	12,029.32	1,730.20	-240.39	1,732.16	2.47	1.50	1.97
13,634.00	92.79	1.93	12,025.53	1,825.10	-238.14	1,827.03	1.60	1.06	1.20
13,728.00	91.69	1.22	12,021.85	1,918.99	-235.56	1,920.90	1.39	-1.17	-0.76
13,823.00	91.91	1.14	12,018.87	2,013.92	-233.60	2,015.81	0.25	0.23	-0.08
13,917.00	92.00	1.05	12,015.66	2,107.85	-231.81	2,109.72	0.14	0.10	-0.10
14,012.00	90.02	359.91	12,013.99	2,202.83	-231.01	2,204.68	2.40	-2.08	-1.20
14,106.00	89.93	1.49	12,014.03	2,296.82	-229.86	2,298.66	1.68	-0.10	1.68
14,201.00	89.98	2.37	12,014.10	2,391.76	-226.66	2,393.58	0.93	0.05	0.93
14,295.00	89.98	1.93	12,014.14	2,485.70	-223.14	2,487.48	0.47	0.00	-0.47
14,390.00	89.36	1.66	12,014.68	2,580.65	-220.16	2,582.40	0.71	-0.65	-0.28
14,484.00	89.89	1.93	12,015.30	2,674.60	-217.22	2,676.32	0.63	0.56	0.29
14,578.00	89.14	1.14	12,016.09	2,768.56	-214.70	2,770.26	1.16	-0.80	-0.84
14,672.00	90.46	0.52	12,016.42	2,862.55	-213.34	2,864.23	1.55	1.40	-0.66
14,767.00	90.64	359.55	12,015.51	2,957.54	-213.28	2,959.22	1.04	0.19	-1.02
14,861.00	90.73	359.12	12,014.39	3,051.53	-214.37	3,053.22	0.47	0.10	-0.46
14,956.00	89.54	357.62	12,014.16	3,146.48	-217.07	3,148.19	2.02	-1.25	-1.58
15,050.00	92.75	358.50	12,012.29	3,240.40	-220.25	3,242.13	3.54	3.41	0.94
15,145.00	92.22	357.09	12,008.17	3,335.24	-223.91	3,337.00	1.58	-0.56	-1.48
15,240.00	91.38	358.41	12,005.18	3,430.11	-227.63	3,431.90	1.65	-0.88	1.39
15,334.00	91.16	358.32	12,003.10	3,524.05	-230.32	3,525.86	0.25	-0.23	-0.10
15,428.00	92.70	358.24	11,999.93	3,617.95	-233.13	3,619.78	1.64	1.64	-0.09
15,523.00	92.04	359.73	11,996.00	3,712.85	-234.82	3,714.69	1.71	-0.69	1.57
15,617.00	89.32	359.03	11,994.89	3,806.83	-235.83	3,808.67	2.99	-2.89	-0.74
15,712.00	89.67	359.29	11,995.73	3,901.82	-237.23	3,903.67	0.46	0.37	0.27
15,806.00	88.97	358.50	11,996.84	3,995.79	-239.04	3,997.66	1.12	-0.74	-0.84
15,925.00	91.34	358.41	11,996.52	4,114.74	-242.25	4,116.63	1.99	1.99	-0.08
16,019.00	91.78	358.32	11,993.96	4,208.67	-244.93	4,210.57	0.48	0.47	-0.10
16,114.00	92.09	359.38	11,990.75	4,303.59	-246.83	4,305.51	1.16	0.33	1.12
16,208.00	91.30	1.22	11,987.97	4,397.55	-246.34	4,399.45	2.13	-0.84	1.96
16,302.00	89.85	2.37	11,987.03	4,491.49	-243.40	4,493.37	1.97	-1.54	1.22
16,397.00	90.95	1.93	11,986.37	4,586.42	-239.83	4,588.27	1.25	1.16	-0.46
16,491.00	88.88	1.14	11,986.51	4,680.38	-237.31	4,682.20	2.36	-2.20	-0.84
16,586.00	88.70	0.87	11,988.51	4,775.34	-235.65	4,777.15	0.34	-0.19	-0.28
16,680.00	88.22	0.61	11,991.04	4,869.30	-234.44	4,871.09	0.58	-0.51	-0.28
16,774.00	89.10	359.29	11,993.24	4,963.27	-234.52	4,965.06	1.69	0.94	-1.40

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Dagger State Com 701H
Project:	Lea County, New Mexico	TVD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Site:	Dagger State Com 701H	MD Reference:	3789'GL+25'KB @ 3814.00usft (H&P 262)
Well:	#701H	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)
16,869.00	89.54	358.06	11,994.36	5,058.24	-236.71	5,060.04	1.37	0.46	-1.29
16,963.00	88.84	357.97	11,995.69	5,152.17	-239.97	5,154.00	0.75	-0.74	-0.10
17,058.00	88.70	357.71	11,997.73	5,247.08	-243.55	5,248.94	0.31	-0.15	-0.27
17,152.00	92.00	357.62	11,997.16	5,340.99	-247.38	5,342.88	3.51	3.51	-0.10
17,247.00	91.43	357.09	11,994.31	5,435.85	-251.76	5,437.76	0.82	-0.60	-0.56
17,341.00	91.21	356.13	11,992.15	5,529.66	-257.32	5,531.62	1.05	-0.23	-1.02
17,436.00	91.30	358.06	11,990.07	5,624.51	-262.13	5,626.50	2.03	0.09	2.03
17,530.00	90.37	357.01	11,988.70	5,718.41	-266.17	5,720.44	1.49	-0.99	-1.12
17,625.00	92.26	358.24	11,986.52	5,813.29	-270.11	5,815.35	2.37	1.99	1.29
17,719.00	92.09	358.85	11,982.95	5,907.20	-272.49	5,909.27	0.67	-0.18	0.65
17,814.00	90.77	359.73	11,980.58	6,002.16	-273.67	6,004.24	1.67	-1.39	0.93
17,909.00	91.69	1.22	11,978.54	6,097.13	-272.88	6,099.20	1.84	0.97	1.57
18,003.00	92.04	1.05	11,975.48	6,191.06	-271.02	6,193.11	0.41	0.37	-0.18
18,098.00	91.96	0.43	11,972.17	6,285.99	-269.80	6,288.03	0.66	-0.08	-0.65
18,192.00	91.38	359.64	11,969.43	6,379.95	-269.74	6,381.99	1.04	-0.62	-0.84
18,287.00	91.87	0.79	11,966.73	6,474.91	-269.38	6,476.94	1.32	0.52	1.21
18,381.00	91.56	359.82	11,963.92	6,568.87	-268.88	6,570.89	1.08	-0.33	-1.03
18,476.00	93.63	0.87	11,959.62	6,663.76	-268.31	6,665.77	2.44	2.18	1.11
18,570.00	93.45	2.19	11,953.81	6,757.54	-265.81	6,759.53	1.41	-0.19	1.40
18,665.00	91.96	1.84	11,949.33	6,852.38	-262.47	6,854.34	1.61	-1.57	-0.37
18,735.00	90.86	1.14	11,947.61	6,922.33	-260.65	6,924.27	1.86	-1.57	-1.00
18,830.00	92.40	0.52	11,944.91	7,017.28	-259.28	7,019.21	1.75	1.62	-0.65
18,924.00	93.32	1.58	11,940.21	7,111.14	-257.56	7,113.05	1.49	0.98	1.13
19,019.00	91.38	1.58	11,936.32	7,206.02	-254.94	7,207.91	2.04	-2.04	0.00
19,113.00	91.52	1.14	11,933.94	7,299.97	-252.71	7,301.83	0.49	0.15	-0.47
19,208.00	91.78	0.35	11,931.21	7,394.92	-251.47	7,396.77	0.88	0.27	-0.83
19,302.00	92.09	0.17	11,928.03	7,488.86	-251.05	7,490.70	0.38	0.33	-0.19
19,396.00	91.91	359.47	11,924.75	7,582.81	-251.34	7,584.65	0.77	-0.19	-0.74
19,417.00	91.65	359.03	11,924.10	7,603.79	-251.62	7,605.63	2.43	-1.24	-2.10
Last Aim MWD Survey									
19,474.00	91.65	359.03	11,922.46	7,660.76	-252.58	7,662.61	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)	
198.00	198.00	-0.25	0.28	First Aim MWD Survey
19,417.00	11,924.10	7,603.79	-251.62	Last Aim MWD Survey
19,474.00	11,922.46	7,660.76	-252.58	Projection to BHL