

Revised to 3/30/2022 4:59:59 PM

District I
625 N. French Dr., Hobbs, NM 88240
District II
11 S. First St., Artesia, NM 88210
District III
000 Rio Brazos Rd., Aztec, NM 87410
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Advance Energy Partners Hat Mesa, LLC 11490 Westheimer RD, Suite 950 Houston, TX		² OGRID Number 372417
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30-025-46700	⁵ Pool Name WC-025 G-06 S213326D;BONE SPRING	⁶ Pool Code 97929
⁷ Property Code 319603	⁸ Property Name Merchant State Unit	⁹ Well Number 509H

II. ¹⁰ Surface Location

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	35	21S	33E		200	North	870	WEST	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	22S	33E		28	South	639	W	Lea
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	Plains Marketing, L.P. 10 Desta Drive, Suite 200E Midland, TX 79705	O
018180	Versado Gas Processors, LLC 1000 Louisiana, Suite 4300 Houston, TX 77022	G

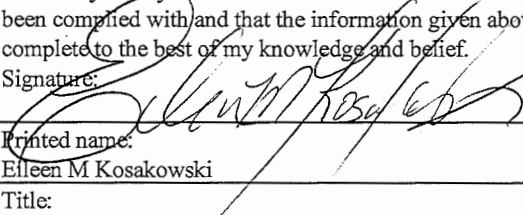
IV. Well Completion Data

²¹ Spud Date 01/12/2020	²² Ready Date 12/28/2020	²³ TD 20,742	²⁴ PBDT 20,648	²⁵ Perforations 10,859-20,634'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1743	820		
12.25"	9.625"	5324/3805	1330		
8.5"	5.5"	20,722	2935		

V. Well Test Data

³¹ Date New Oil 12/28/20	³² Gas Delivery Date 12/28/20	³³ Test Date 01/12/21	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 450	³⁶ Csg. Pressure 320
³⁷ Choke Size 64	³⁸ Oil 1267	³⁹ Water 4487	⁴⁰ Gas 1262		⁴¹ Test Method F

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: 

Printed name: Eileen M Kosakowski

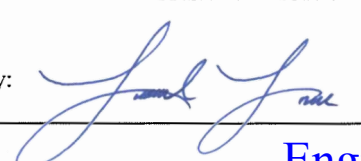
Title: Sr. Eng Tech.

ekosakowski@advanceenergypartners.com

Date: 2/15/22

Phone: 832-672-4604

OIL CONSERVATION DIVISION

Approved by: 

Title: Engineer

Approval Date: March 30, 2022

Received by OCD: 2/15/2022 2:37:21 PM

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8161 Fax: (505) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (505) 748-1283 Fax: (505) 748-9720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 478-3460 Fax: (505) 478-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 4, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT
As-Drilled

API Number 30-025-46700	Pool Code 97929	Pool Name WC-025 G-06 S213326D;BONE SPRING
Property Code 319603	Property Name MERCHANT STATE UNIT	Well Number 509H
GRID No. 372417	Operator Name ADVANCE ENERGY PARTNERS HAT MESA	Elevation 3685'

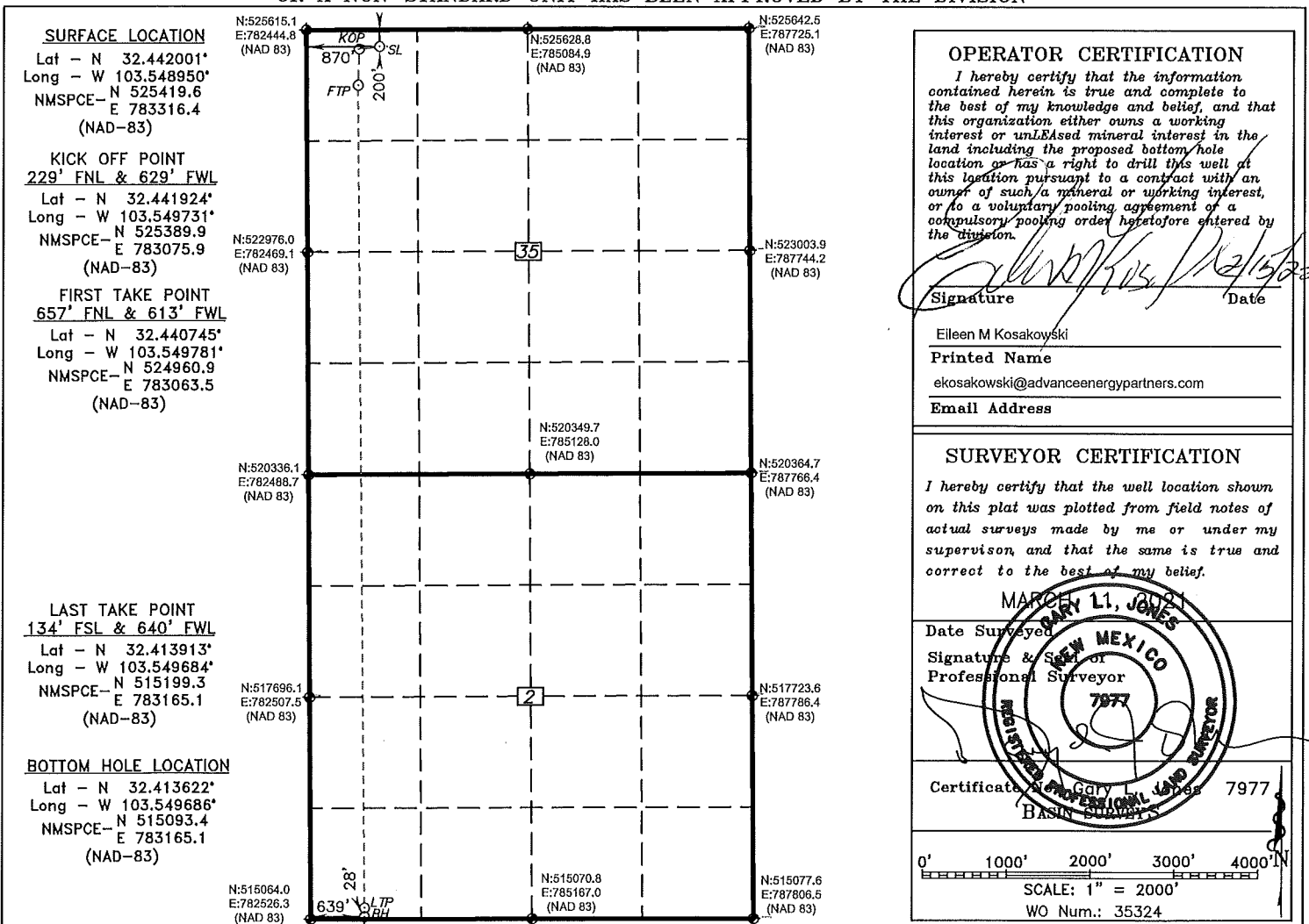
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
D	35	21 S	33 E		200	NORTH	870	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
M	2	22 S	33 E		28	SOUTH	639	WEST	LEA
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



Advance Energy Partners, LLC

Merchant State Unit 509H
Lea County, New Mexico
Job No. WT-20-002
H&P 389
Plan 1.0 Final PVA



Released to Imaging: 3/30/2022 4:59:59 PM



Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.15°

Magnetic Field
Strength: 48029.6nT
Dip Angle: 60.19°
Date: 1/17/2020
Model: MVHD

Magnetic North: 6.15° to Grid North

SITE DETAILS: Merchant State Unit 509H

Site Centre Northing: 525419.60
Easting: 783316.40

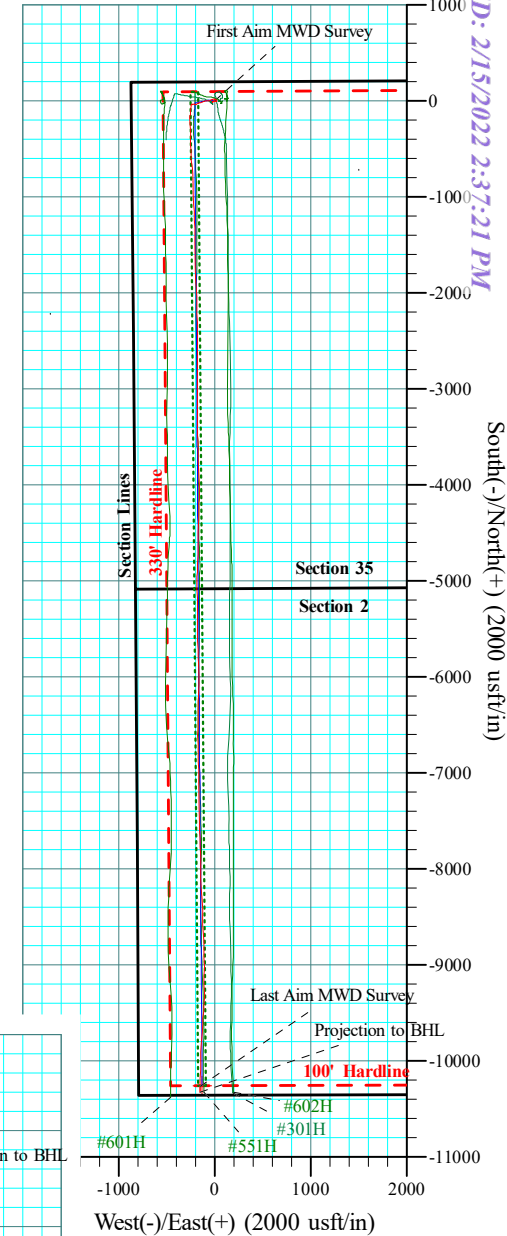
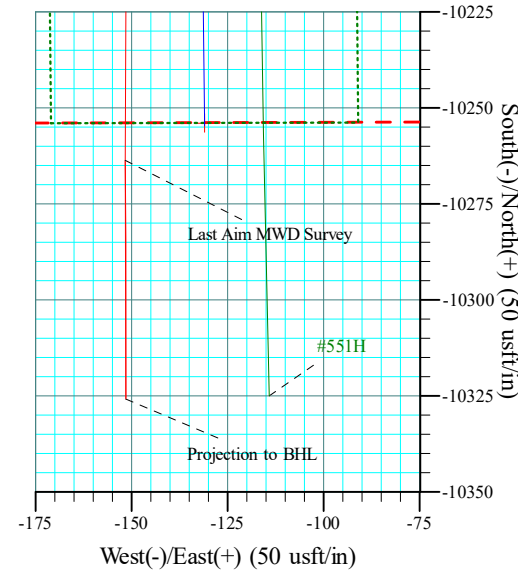
Positional Uncertainty: 0.00
Convergence: 0.42
Local North: Grid

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:
3685'GL+25.5'KB @ 3710.50usft (H&P 389)

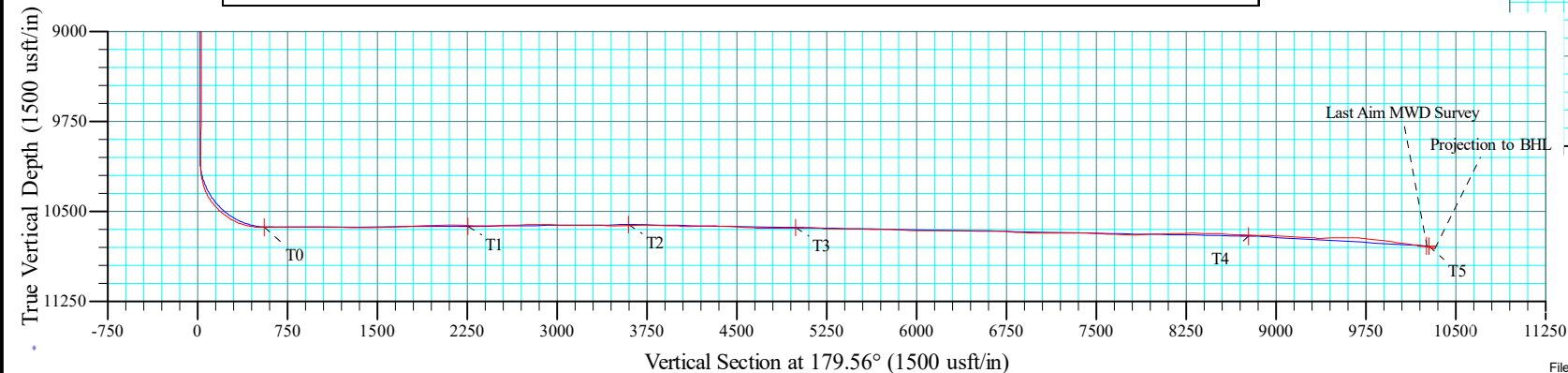


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	20679.00	80.40	179.82	10798.83	-10263.73	-151.56	0.00	0.00	10262.26	Last Aim MWD Survey
2	20742.00	80.40	179.82	10809.34	-10325.84	-151.37	0.00	0.00	10324.38	Projection to BHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL r2 (Merchant509H)	10790.11	-10254.00	-130.90	515165.60	783185.50	32° 24' 49.752 N	103° 32' 58.627 W



Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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	Merchant State Unit 509H		
Site Position:		Northing:	525,419.60 usft
From:	Map	Easting:	783,316.40 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 26' 31.204 N
		Longitude:	103° 32' 56.222 W
		Grid Convergence:	0.42 °

Well	#509H - Slot 509H		
Well Position	+N/-S	0.00 usft	Northing: 525,419.60 usft
	+E/-W	0.00 usft	Easting: 783,316.40 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32° 26' 31.204 N
		Longitude:	103° 32' 56.222 W
		Ground Level:	3,685.00 usft

Wellbore	Aim MWD Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	1/13/2020	6.57	60.19	48,030.75079674

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	179.56	

Survey Program	Date	2/20/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
236.00	20,742.00	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
236.00	0.88	296.19	235.99	0.80	-1.63	-0.81	0.37	0.37	0.00
First Aim MWD Survey									
425.00	0.84	285.38	424.97	1.81	-4.26	-1.84	0.09	-0.02	-5.72
613.00	0.66	277.73	612.95	2.32	-6.67	-2.37	0.11	-0.10	-4.07
708.00	0.57	285.64	707.95	2.52	-7.66	-2.58	0.13	-0.09	8.33
802.00	0.66	237.65	801.94	2.36	-8.57	-2.42	0.54	0.10	-51.05
896.00	0.70	245.65	895.94	1.83	-9.55	-1.90	0.11	0.04	8.51
990.00	0.84	242.31	989.93	1.27	-10.68	-1.35	0.16	0.15	-3.55
1,083.00	0.48	237.83	1,082.92	0.75	-11.62	-0.84	0.39	-0.39	-4.82
1,177.00	0.53	243.02	1,176.92	0.34	-12.34	-0.44	0.07	0.05	5.52

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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)
1,271.00	0.48	220.52	1,270.91	-0.15	-12.98	0.05	0.22	-0.05	-23.94
1,365.00	0.84	218.41	1,364.91	-0.99	-13.67	0.89	0.38	0.38	-2.24
1,460.00	0.97	217.26	1,459.90	-2.18	-14.59	2.07	0.14	0.14	-1.21
1,549.00	1.05	230.45	1,548.88	-3.30	-15.67	3.18	0.28	0.09	14.82
1,639.00	1.23	230.71	1,638.86	-4.44	-17.05	4.30	0.20	0.20	0.29
1,690.00	1.32	232.91	1,689.85	-5.14	-17.95	5.00	0.20	0.18	4.31
1,818.00	1.45	254.53	1,817.82	-6.46	-20.68	6.30	0.42	0.10	16.89
1,907.00	1.14	267.71	1,906.79	-6.79	-22.65	6.62	0.48	-0.35	14.81
1,997.00	0.22	287.31	1,996.79	-6.78	-23.71	6.59	1.04	-1.02	21.78
2,086.00	0.04	143.70	2,085.79	-6.75	-23.86	6.57	0.28	-0.20	-161.36
2,176.00	0.13	140.01	2,175.79	-6.85	-23.77	6.67	0.10	0.10	-4.10
2,355.00	0.35	91.93	2,354.78	-7.03	-23.10	6.85	0.16	0.12	-26.86
2,445.00	0.40	125.24	2,444.78	-7.22	-22.56	7.05	0.24	0.06	37.01
2,535.00	0.13	89.12	2,534.78	-7.40	-22.21	7.23	0.34	-0.30	-40.13
2,624.00	0.88	75.14	2,623.78	-7.22	-21.44	7.06	0.85	0.84	-15.71
2,714.00	1.05	71.28	2,713.76	-6.78	-20.00	6.63	0.20	0.19	-4.29
2,803.00	1.05	82.18	2,802.75	-6.41	-18.42	6.27	0.22	0.00	12.25
2,893.00	1.01	79.54	2,892.73	-6.15	-16.82	6.02	0.07	-0.04	-2.93
2,983.00	1.27	85.95	2,982.72	-5.94	-15.04	5.82	0.32	0.29	7.12
3,072.00	1.63	91.32	3,071.69	-5.90	-12.79	5.80	0.43	0.40	6.03
3,162.00	1.89	80.33	3,161.65	-5.68	-10.05	5.60	0.47	0.29	-12.21
3,251.00	2.20	79.63	3,250.59	-5.12	-6.92	5.07	0.35	0.35	-0.79
3,341.00	1.93	82.09	3,340.53	-4.60	-3.72	4.57	0.32	-0.30	2.73
3,431.00	1.54	74.70	3,430.49	-4.08	-1.06	4.07	0.50	-0.43	-8.21
3,520.00	1.32	86.83	3,519.46	-3.70	1.12	3.71	0.42	-0.25	13.63
3,610.00	1.36	84.46	3,609.44	-3.54	3.22	3.57	0.08	0.04	-2.63
3,700.00	1.01	74.00	3,699.42	-3.22	5.04	3.26	0.46	-0.39	-11.62
3,790.00	0.88	76.11	3,789.41	-2.84	6.48	2.89	0.15	-0.14	2.34
3,879.00	1.27	89.82	3,878.39	-2.67	8.13	2.73	0.52	0.44	15.40
3,969.00	1.27	96.94	3,968.37	-2.79	10.12	2.86	0.18	0.00	7.91
4,058.00	1.27	75.67	4,057.35	-2.66	12.05	2.75	0.53	0.00	-23.90
4,148.00	1.49	90.61	4,147.32	-2.43	14.19	2.54	0.47	0.24	16.60
4,237.00	1.32	87.89	4,236.29	-2.40	16.37	2.53	0.21	-0.19	-3.06
4,327.00	0.40	70.84	4,326.28	-2.26	17.70	2.40	1.05	-1.02	-18.94
4,417.00	0.31	14.59	4,416.28	-1.92	18.06	2.06	0.38	-0.10	-62.50
4,506.00	0.75	18.45	4,505.28	-1.14	18.30	1.28	0.50	0.49	4.34
4,596.00	0.92	1.93	4,595.27	0.14	18.51	0.00	0.33	0.19	-18.36
4,686.00	1.05	5.80	4,685.25	1.69	18.62	-1.54	0.16	0.14	4.30
4,776.00	1.10	1.40	4,775.24	3.37	18.73	-3.23	0.11	0.06	-4.89
4,865.00	0.92	12.65	4,864.23	4.92	18.90	-4.78	0.30	-0.20	12.64
4,955.00	1.23	9.75	4,954.21	6.58	19.23	-6.43	0.35	0.34	-3.22
5,045.00	1.05	18.28	5,044.19	8.31	19.65	-8.16	0.27	-0.20	9.48
5,135.00	1.49	331.70	5,134.17	10.13	19.35	-9.98	1.20	0.49	-51.76

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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)	
5,224.00	2.24	311.39	5,223.12	12.30	17.50	-12.16	1.11	0.84	-22.82	
5,280.00	2.55	301.20	5,279.08	13.67	15.61	-13.54	0.94	0.55	-18.20	
5,396.00	2.29	297.16	5,394.97	16.06	11.34	-15.97	0.27	-0.22	-3.48	
5,486.00	2.29	290.39	5,484.90	17.51	8.06	-17.44	0.30	0.00	-7.52	
5,575.00	2.20	289.07	5,573.83	18.68	4.78	-18.65	0.12	-0.10	-1.48	
5,665.00	2.11	290.83	5,663.77	19.84	1.59	-19.83	0.12	-0.10	1.96	
5,754.00	1.85	288.45	5,752.72	20.88	-1.30	-20.89	0.31	-0.29	-2.67	
5,844.00	2.77	274.39	5,842.64	21.50	-4.85	-21.54	1.19	1.02	-15.62	
5,934.00	4.13	258.48	5,932.48	21.02	-10.19	-21.10	1.83	1.51	-17.68	
6,023.00	4.62	251.63	6,021.22	19.25	-16.73	-19.38	0.80	0.55	-7.70	
6,113.00	4.66	250.05	6,110.92	16.86	-23.61	-17.04	0.15	0.04	-1.76	
6,202.00	4.92	248.03	6,199.61	14.20	-30.55	-14.43	0.35	0.29	-2.27	
6,291.00	5.23	248.64	6,288.26	11.30	-37.86	-11.59	0.35	0.35	0.69	
6,381.00	5.85	260.86	6,377.85	9.07	-46.21	-9.43	1.48	0.69	13.58	
6,471.00	5.58	260.77	6,467.40	7.64	-55.06	-8.06	0.30	-0.30	-0.10	
6,560.00	5.27	262.35	6,556.00	6.40	-63.38	-6.89	0.39	-0.35	1.78	
6,650.00	5.14	259.45	6,645.63	5.12	-71.44	-5.66	0.33	-0.14	-3.22	
6,740.00	5.10	259.71	6,735.27	3.66	-79.34	-4.27	0.05	-0.04	0.29	
6,829.00	4.92	260.94	6,823.93	2.36	-87.00	-3.02	0.24	-0.20	1.38	
6,919.00	4.75	261.38	6,913.61	1.19	-94.50	-1.91	0.19	-0.19	0.49	
7,008.00	4.62	260.15	7,002.31	0.02	-101.67	-0.80	0.18	-0.15	-1.38	
7,098.00	4.66	255.58	7,092.02	-1.51	-108.78	0.67	0.41	0.04	-5.08	
7,187.00	4.40	251.54	7,180.74	-3.49	-115.52	2.60	0.46	-0.29	-4.54	
7,277.00	3.87	249.52	7,270.51	-5.64	-121.64	4.71	0.61	-0.59	-2.24	
7,367.00	4.31	249.69	7,360.28	-7.88	-127.66	6.90	0.49	0.49	0.19	
7,456.00	5.41	255.41	7,448.96	-10.10	-134.86	9.06	1.35	1.24	6.43	
7,546.00	5.10	254.44	7,538.58	-12.24	-142.82	11.14	0.36	-0.34	-1.08	
7,636.00	4.84	252.24	7,628.24	-14.47	-150.29	13.32	0.36	-0.29	-2.44	
7,725.00	4.35	251.01	7,716.95	-16.72	-157.05	15.51	0.56	-0.55	-1.38	
7,815.00	4.22	251.45	7,806.70	-18.88	-163.42	17.62	0.15	-0.14	0.49	
7,904.00	4.09	248.82	7,895.47	-21.07	-169.48	19.77	0.26	-0.15	-2.96	
7,994.00	3.82	246.88	7,985.25	-23.40	-175.23	22.06	0.33	-0.30	-2.16	
8,083.00	3.52	242.66	8,074.07	-25.82	-180.39	24.44	0.45	-0.34	-4.74	
8,173.00	3.60	237.13	8,163.90	-28.63	-185.22	27.20	0.39	0.09	-6.14	
8,263.00	2.77	249.43	8,253.76	-30.92	-189.63	29.47	1.19	-0.92	13.67	
8,352.00	2.42	259.80	8,342.67	-32.01	-193.49	30.53	0.66	-0.39	11.65	
8,442.00	2.42	255.50	8,432.59	-32.82	-197.20	31.31	0.20	0.00	-4.78	
8,531.00	1.76	277.38	8,521.53	-33.12	-200.37	31.58	1.15	-0.74	24.58	
8,621.00	1.67	290.74	8,611.49	-32.48	-202.97	30.92	0.45	-0.10	14.84	
8,710.00	1.63	285.38	8,700.45	-31.68	-205.40	30.10	0.18	-0.04	-6.02	
8,800.00	1.58	280.02	8,790.42	-31.13	-207.86	29.53	0.18	-0.06	-5.96	
8,889.00	1.67	277.03	8,879.38	-30.75	-210.35	29.14	0.14	0.10	-3.36	
8,979.00	1.54	278.00	8,969.35	-30.43	-212.85	28.79	0.15	-0.14	1.08	

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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)
9,069.00	1.27	271.05	9,059.32	-30.24	-215.05	28.59	0.35	-0.30	-7.72
9,158.00	1.36	259.36	9,148.30	-30.42	-217.07	28.75	0.32	0.10	-13.13
9,248.00	1.41	250.84	9,238.27	-30.98	-219.17	29.29	0.24	0.06	-9.47
9,337.00	1.54	250.05	9,327.24	-31.74	-221.33	30.04	0.15	0.15	-0.89
9,427.00	1.58	243.45	9,417.21	-32.71	-223.57	30.99	0.20	0.04	-7.33
9,517.00	1.49	254.35	9,507.17	-33.58	-225.81	31.85	0.34	-0.10	12.11
9,606.00	1.45	274.57	9,596.15	-33.80	-228.05	32.05	0.58	-0.04	22.72
9,696.00	1.80	299.44	9,686.11	-33.02	-230.41	31.25	0.87	0.39	27.63
9,785.00	1.76	313.59	9,775.07	-31.39	-232.62	29.60	0.49	-0.04	15.90
9,875.00	1.41	305.42	9,865.03	-29.79	-234.52	27.99	0.46	-0.39	-9.08
9,965.00	1.14	274.92	9,955.01	-29.08	-236.32	27.26	0.80	-0.30	-33.89
10,054.00	1.49	267.01	10,043.99	-29.06	-238.36	27.23	0.44	0.39	-8.89
10,144.00	1.36	259.19	10,133.96	-29.32	-240.57	27.47	0.26	-0.14	-8.69
10,234.00	9.45	190.11	10,223.52	-36.81	-242.92	34.94	10.06	8.99	-76.76
10,323.00	19.30	188.08	10,309.63	-58.62	-246.28	56.73	11.08	11.07	-2.28
10,413.00	32.22	187.29	10,390.52	-97.31	-251.44	95.37	14.36	14.36	-0.88
10,503.00	43.30	183.78	10,461.57	-152.08	-256.53	150.10	12.54	12.31	-3.90
10,593.00	50.77	178.15	10,522.89	-217.83	-257.45	215.85	9.47	8.30	-6.26
10,683.00	61.01	177.71	10,573.29	-292.20	-254.74	290.24	11.38	11.38	-0.49
10,773.00	71.69	180.79	10,609.35	-374.51	-253.75	372.55	12.27	11.87	3.42
10,859.00	83.34	178.15	10,627.91	-458.32	-252.93	456.36	13.87	13.55	-3.07
10,920.00	90.64	176.13	10,631.12	-519.11	-249.89	517.18	12.42	11.97	-3.31
11,009.00	90.51	175.43	10,630.22	-607.86	-243.34	605.98	0.80	-0.15	-0.79
11,099.00	90.15	174.99	10,629.70	-697.55	-235.83	695.72	0.63	-0.40	-0.49
11,189.00	90.11	176.48	10,629.50	-787.30	-229.14	785.51	1.66	-0.04	1.66
11,278.00	89.67	177.45	10,629.67	-876.17	-224.42	874.42	1.20	-0.49	1.09
11,368.00	89.76	180.09	10,630.12	-966.14	-222.49	964.40	2.94	0.10	2.93
11,457.00	89.01	176.75	10,631.07	-1,055.09	-220.04	1,053.37	3.85	-0.84	-3.75
11,547.00	88.22	176.75	10,633.25	-1,144.92	-214.94	1,143.23	0.88	-0.88	0.00
11,636.00	89.27	178.33	10,635.20	-1,233.81	-211.12	1,232.15	2.13	1.18	1.78
11,725.00	88.04	178.24	10,637.29	-1,322.74	-208.46	1,321.10	1.39	-1.38	-0.10
11,815.00	89.80	182.02	10,638.98	-1,412.71	-208.66	1,411.06	4.63	1.96	4.20
11,905.00	91.82	178.68	10,637.71	-1,502.68	-209.21	1,501.03	4.34	2.24	-3.71
11,994.00	92.13	178.33	10,634.64	-1,591.60	-206.89	1,589.96	0.53	0.35	-0.39
12,084.00	92.09	177.71	10,631.33	-1,681.48	-203.78	1,679.87	0.69	-0.04	-0.69
12,173.00	92.31	177.45	10,627.91	-1,770.33	-200.03	1,768.75	0.38	0.25	-0.29
12,263.00	92.75	177.54	10,623.94	-1,860.16	-196.10	1,858.60	0.50	0.49	0.10
12,353.00	92.48	176.57	10,619.84	-1,949.95	-191.48	1,948.42	1.12	-0.30	-1.08
12,442.00	90.99	178.33	10,617.14	-2,038.81	-187.52	2,037.31	2.59	-1.67	1.98
12,532.00	88.62	178.15	10,617.45	-2,128.76	-184.76	2,127.28	2.64	-2.63	-0.20
12,622.00	88.66	178.50	10,619.58	-2,218.70	-182.13	2,217.24	0.39	0.04	0.39
12,711.00	89.41	178.59	10,621.08	-2,307.66	-179.87	2,306.21	0.85	0.84	0.10
12,801.00	88.92	179.47	10,622.39	-2,397.63	-178.35	2,396.19	1.12	-0.54	0.98
12,891.00	91.69	180.96	10,621.91	-2,487.62	-178.68	2,486.17	3.49	3.08	1.66

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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)
12,980.00	92.40	179.03	10,618.74	-2,576.56	-178.68	2,575.11	2.31	0.80	-2.17
13,070.00	91.74	180.17	10,615.49	-2,666.50	-178.05	2,665.05	1.46	-0.73	1.27
13,159.00	90.51	180.09	10,613.74	-2,755.48	-178.25	2,754.03	1.38	-1.38	-0.09
13,248.00	90.07	180.26	10,613.29	-2,844.48	-178.52	2,843.02	0.53	-0.49	0.19
13,338.00	89.32	180.00	10,613.77	-2,934.47	-178.73	2,933.01	0.88	-0.83	-0.29
13,428.00	88.40	179.73	10,615.56	-3,024.45	-178.51	3,022.99	1.07	-1.02	-0.30
13,517.00	89.49	179.73	10,617.20	-3,113.44	-178.09	3,111.98	1.22	1.22	0.00
13,607.00	89.67	180.00	10,617.86	-3,203.43	-177.88	3,201.97	0.36	0.20	0.30
13,697.00	89.45	179.91	10,618.55	-3,293.43	-177.81	3,291.97	0.26	-0.24	-0.10
13,786.00	88.75	179.38	10,619.95	-3,382.42	-177.26	3,380.96	0.99	-0.79	-0.60
13,876.00	89.89	179.56	10,621.01	-3,472.41	-176.43	3,470.95	1.28	1.27	0.20
13,965.00	91.08	179.38	10,620.26	-3,561.40	-175.61	3,559.94	1.35	1.34	-0.20
14,055.00	90.24	178.33	10,619.22	-3,651.37	-173.81	3,649.93	1.49	-0.93	-1.17
14,144.00	90.02	177.36	10,619.02	-3,740.31	-170.46	3,738.89	1.12	-0.25	-1.09
14,234.00	88.97	176.66	10,619.82	-3,830.18	-165.77	3,828.79	1.40	-1.17	-0.78
14,323.00	88.53	178.77	10,621.76	-3,919.08	-162.22	3,917.72	2.42	-0.49	2.37
14,413.00	88.40	178.50	10,624.17	-4,009.02	-160.08	4,007.68	0.33	-0.14	-0.30
14,502.00	90.15	180.88	10,625.29	-4,098.01	-159.59	4,096.66	3.32	1.97	2.67
14,592.00	90.59	182.46	10,624.71	-4,187.96	-162.22	4,186.59	1.82	0.49	1.76
14,681.00	90.24	181.84	10,624.07	-4,276.90	-165.56	4,275.50	0.80	-0.39	-0.70
14,771.00	89.05	181.49	10,624.63	-4,366.86	-168.17	4,365.43	1.38	-1.32	-0.39
14,861.00	87.16	180.96	10,627.60	-4,456.78	-170.09	4,455.34	2.18	-2.10	-0.59
14,950.00	85.45	180.35	10,633.34	-4,545.59	-171.11	4,544.14	2.04	-1.92	-0.69
15,040.00	87.25	181.76	10,639.07	-4,635.38	-172.76	4,633.92	2.54	2.00	1.57
15,129.00	89.85	182.11	10,641.32	-4,724.30	-175.77	4,722.81	2.95	2.92	0.39
15,219.00	89.93	181.93	10,641.49	-4,814.24	-178.94	4,812.72	0.22	0.09	-0.20
15,309.00	89.05	181.93	10,642.29	-4,904.18	-181.97	4,902.64	0.98	-0.98	0.00
15,399.00	89.36	180.26	10,643.54	-4,994.16	-183.69	4,992.60	1.89	0.34	-1.86
15,488.00	90.59	179.47	10,643.58	-5,083.15	-183.48	5,081.59	1.64	1.38	-0.89
15,578.00	89.85	178.50	10,643.24	-5,173.14	-181.89	5,171.59	1.36	-0.82	-1.08
15,667.00	87.60	177.80	10,645.22	-5,262.06	-179.02	5,260.53	2.65	-2.53	-0.79
15,757.00	89.05	180.09	10,647.85	-5,352.00	-177.36	5,350.48	3.01	1.61	2.54
15,847.00	89.58	180.44	10,648.92	-5,441.99	-177.78	5,440.47	0.71	0.59	0.39
15,936.00	89.32	179.91	10,649.78	-5,530.99	-178.05	5,529.46	0.66	-0.29	-0.60
16,026.00	88.35	178.68	10,651.61	-5,620.96	-176.94	5,619.43	1.74	-1.08	-1.37
16,115.00	90.15	179.38	10,652.77	-5,709.93	-175.43	5,708.42	2.17	2.02	0.79
16,205.00	87.82	178.15	10,654.37	-5,799.89	-173.50	5,798.39	2.93	-2.59	-1.37
16,294.00	87.16	177.27	10,658.26	-5,888.73	-169.94	5,887.25	1.24	-0.74	-0.99
16,384.00	87.96	178.68	10,662.10	-5,978.59	-166.77	5,977.14	1.80	0.89	1.57
16,473.00	89.71	181.14	10,663.91	-6,067.56	-166.63	6,066.11	3.39	1.97	2.76
16,563.00	89.93	180.96	10,664.19	-6,157.55	-168.28	6,156.07	0.32	0.24	-0.20
16,653.00	91.38	181.76	10,663.16	-6,247.51	-170.41	6,246.02	1.84	1.61	0.89
16,742.00	89.05	180.61	10,662.82	-6,336.49	-172.25	6,334.98	2.92	-2.62	-1.29

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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)	
16,832.00	90.59	181.14	10,663.11	-6,426.47	-173.63	6,424.95	1.81	1.71	0.59	
16,921.00	90.86	181.23	10,661.98	-6,515.45	-175.47	6,513.91	0.32	0.30	0.10	
17,011.00	88.26	179.56	10,662.67	-6,605.43	-176.09	6,603.88	3.43	-2.89	-1.86	
17,100.00	87.52	179.21	10,665.95	-6,694.36	-175.13	6,692.82	0.92	-0.83	-0.39	
17,190.00	85.85	178.06	10,671.15	-6,784.18	-172.99	6,782.66	2.25	-1.86	-1.28	
17,280.00	87.56	178.42	10,676.33	-6,873.99	-170.23	6,872.48	1.94	1.90	0.40	
17,369.00	86.95	178.24	10,680.59	-6,962.85	-167.64	6,961.36	0.71	-0.69	-0.20	
17,459.00	89.36	179.12	10,683.49	-7,052.77	-165.57	7,051.29	2.85	2.68	0.98	
17,548.00	90.15	179.56	10,683.87	-7,141.76	-164.55	7,140.29	1.02	0.89	0.49	
17,638.00	90.68	179.56	10,683.21	-7,231.76	-163.86	7,230.29	0.59	0.59	0.00	
17,727.00	90.02	178.68	10,682.67	-7,320.74	-162.49	7,319.28	1.24	-0.74	-0.99	
17,817.00	88.92	178.68	10,683.50	-7,410.72	-160.42	7,409.26	1.22	-1.22	0.00	
17,907.00	88.04	178.68	10,685.89	-7,500.66	-158.34	7,499.22	0.98	-0.98	0.00	
17,996.00	86.77	178.33	10,689.92	-7,589.54	-156.02	7,588.11	1.48	-1.43	-0.39	
18,086.00	87.34	177.62	10,694.54	-7,679.36	-152.85	7,677.96	1.01	0.63	-0.79	
18,175.00	89.76	178.77	10,696.80	-7,768.28	-150.05	7,766.90	3.01	2.72	1.29	
18,265.00	91.78	180.35	10,695.59	-7,858.26	-149.35	7,856.88	2.85	2.24	1.76	
18,354.00	92.35	180.00	10,692.38	-7,947.20	-149.63	7,945.82	0.75	0.64	-0.39	
18,444.00	90.42	177.89	10,690.20	-8,037.15	-147.97	8,035.78	3.18	-2.14	-2.34	
18,533.00	91.91	177.71	10,688.40	-8,126.06	-144.55	8,124.71	1.69	1.67	-0.20	
18,623.00	92.66	176.22	10,684.81	-8,215.86	-139.79	8,214.55	1.85	0.83	-1.66	
18,712.00	89.19	176.04	10,683.37	-8,304.64	-133.79	8,303.36	3.90	-3.90	-0.20	
18,802.00	89.19	177.10	10,684.64	-8,394.46	-128.40	8,393.23	1.18	0.00	1.18	
18,892.00	88.75	178.77	10,686.26	-8,484.39	-125.16	8,483.18	1.92	-0.49	1.86	
18,982.00	86.46	178.06	10,690.02	-8,574.27	-122.67	8,573.07	2.66	-2.54	-0.79	
19,071.00	86.55	177.45	10,695.45	-8,663.03	-119.19	8,661.86	0.69	0.10	-0.69	
19,161.00	88.48	178.42	10,699.35	-8,752.89	-115.96	8,751.74	2.40	2.14	1.08	
19,251.00	89.71	177.80	10,700.77	-8,842.82	-112.99	8,841.69	1.53	1.37	-0.69	
19,340.00	87.52	178.77	10,702.92	-8,931.75	-110.32	8,930.64	2.69	-2.46	1.09	
19,430.00	86.90	180.52	10,707.30	-9,021.64	-109.77	9,020.53	2.06	-0.69	1.94	
19,520.00	86.11	180.79	10,712.79	-9,111.46	-110.79	9,110.34	0.93	-0.88	0.30	
19,609.00	86.42	179.56	10,718.59	-9,200.27	-111.07	9,199.15	1.42	0.35	-1.38	
19,699.00	87.21	178.59	10,723.59	-9,290.12	-109.61	9,289.00	1.39	0.88	-1.08	
19,788.00	90.37	182.19	10,725.47	-9,379.07	-110.22	9,377.95	5.38	3.55	4.04	
19,878.00	92.57	184.48	10,723.16	-9,468.88	-115.45	9,467.71	3.53	2.44	2.54	
19,967.00	90.33	184.30	10,720.91	-9,557.58	-122.26	9,556.36	2.52	-2.52	-0.20	
20,057.00	87.87	183.78	10,722.32	-9,647.34	-128.60	9,646.07	2.79	-2.73	-0.58	
20,147.00	84.84	183.78	10,728.04	-9,736.95	-134.52	9,735.63	3.37	-3.37	0.00	
20,236.00	82.81	183.60	10,737.61	-9,825.25	-140.22	9,823.88	2.29	-2.28	-0.20	
20,326.00	82.99	182.19	10,748.74	-9,914.44	-144.73	9,913.04	1.57	0.20	-1.57	
20,415.00	82.86	181.14	10,759.70	-10,002.73	-147.29	10,001.30	1.18	-0.15	-1.18	
20,505.00	82.37	181.58	10,771.27	-10,091.95	-149.41	10,090.51	0.73	-0.54	0.49	
20,595.00	80.35	180.70	10,784.79	-10,180.91	-151.19	10,179.45	2.44	-2.24	-0.98	

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Merchant State Unit 509H
Project:	Lea County, New Mexico	TVD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Site:	Merchant State Unit 509H	MD Reference:	3685'GL+25.5'KB @ 3710.50usft (H&P 389)
Well:	#509H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.1 Aim Database

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)	
20,679.00	80.40	179.82	10,798.83	-10,263.73	-151.56	10,262.26	1.03	0.06	-1.05	
Last Aim MWD Survey										
20,742.00	80.40	179.82	10,809.34	-10,325.84	-151.37	10,324.38	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)		
236.00	235.99	0.80	-1.63	First Aim MWD Survey	
20,679.00	10,798.83	-10,263.73	-151.56	Last Aim MWD Survey	
20,742.00	10,809.34	-10,325.84	-151.37	Projection to BHL	

Submit 1 Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-025-46700
2. Name of Operator Advance Energy Partners Hat Mesa		5. Indicate Type of Lease STATE ☒ FEE ☐
3. Address of Operator 11490 Westheimer Rd, Houston, TX 77077		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>D</u> : <u>200</u> feet from the <u>N</u> line and <u>870</u> Section <u>35</u> Township <u>21S</u> Range <u>33E</u> NMPM County LEA		7. Lease Name or Unit Agreement Name MERCHANT STATE UNIT
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3685'		8. Well Number 509H
		9. OGRID Number 372417
		10. Pool name or Wildcat WC-025 G-06 S213326D; BONE SPRING

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☒	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 10/4/20: Pressure test casing to 9,800 psi for 30 minutes.
- 10/20/20 – 11/12/20: Perforate from 10,859' – 20,634' (2976). Frac with 24,252,390 lbs sand and 24,672,732 gal fluid.
- 12/11/20 – 12/12/20: Drill all plugs out and clean out to a PBTD of 20,648'.
- Ready to Produce: 12/28/20

Spud Date:

01/12/2020

Rig Release Date:

2/22/2020

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE:

Eileen M Kosakowski

TITLE: Sr. Eng. Tech.

DATE:

2/15/22

PRINT NAME: Eileen M Kosakowski

E-mail address: ekosakowski@advanceenergypartners.com

PHONE: (832) 672-4604

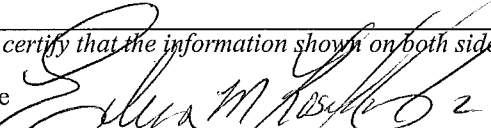
For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505				Form C-105 Revised April 3, 2017				
		1. WELL API NO.		30-025-46700						
		2. Type of Lease		☒ STATE ☐ FEE ☐ FED/INDIAN						
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)				5. Lease Name or Unit Agreement Name Merchant State Unit 6. Well Number: # 509H						
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator Advance Energy Partners Hat Mesa, LLC				9. OGRID 372417						
10. Address of Operator 11490 Westheimer RD, Suite 950 Houston, TX 77077				11. Pool name or Wildcat WC-025 G-06 S213326D; BONE SPRING						
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	35	21S	33E		200	N	870	W	LEA
BH:	M	2	22S	33E		28	S	639	W	LEA
13. Date Spudded 01/12/2020	14. Date T.D. Reached 02/19/20	15. Date Rig Released 2/22/20		16. Date Completed (Ready to Produce) 12/28/20		17. Elevations (DF and RKB, RT, GR, etc.) 3685'				
18. Total Measured Depth of Well 20,742		19. Plug Back Measured Depth 20,648		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run Gamma Ray			
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,859-20,634 Bone Spring										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375"		54.4#		1743		17.5		820		
9.625"		40#		5324/3805		12.25		1330		
5.5"		20#		20,722		8.5		2935		
24. LINER RECORD										
SIZE	TOP	BOTTOM		SACKS CEMENT		SCREEN				
26. Perforation record (interval, size, and number) 10,859-20,634' - 2976 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,859-20,634'		24,252,390 lbs sand, 24,672,732 bbls water		
28. PRODUCTION										
Date First Production 12/28/2020		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) FLOWING				Well Status (<i>Prod. or Shut-in</i>) Prod				
Date of Test 01/12/2021	Hours Tested 24 Hrs	Choke Size 64	Prod'n For Test Period	Oil - Bbl 1267	Gas - MCF 1262	Water - Bbl 4487	Gas - Oil Ratio 1009			
Flow Tubing Press. 450	Casing Pr 320	Calculated 24-Hour Rate	Oil - Bbl. 1267	Gas - MCF 1262	Water - Bbl. 4487	Oil Gravity - API - (<i>Corr.</i>) 41.7				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) Sold								30. Test Witnessed By Baron Chandler		
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.						33. Rig Release Date: 2/22/20				
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude _____						Longitude _____ NAD83				
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 						Date: 2/15/22				
Printed Name: Eileen M Kosakowski			Title: Sr. Eng. Tech.			E-mail Address: ekosakowski@advanceenergypartners.com				

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T. Todilto	
T. Abo	T. LB 8532 MD 8523 TVD	T. Entrada	
T. Wolfcamp	T. AV 9034 MD 9025 TVD	T. Wingate	
T. Penn	T. 1SS 10,048 MD 10,038 TVD	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 19673

ACKNOWLEDGMENTS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 19673
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 19673

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 19673
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	3/30/2022