

District I
 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

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 - 025-46702	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 510H

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
C	35	21S	33E		200	NORTH	1654	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
N	2	22S	33E		100	SOUTH	1656	WEST	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
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III. Oil and Gas Transporters

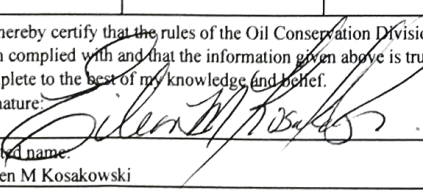
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214984	Plains Marketing, L.P. 10 Desta Drive, Suite 200E Midland, TX 79705	O
018180	Versado Gas Processors, LLC 1000 Louisiana, Suite 4300 Houston, TX 77022	G

IV. Well Completion Data

²¹ Spud Date 01/22/20	²² Ready Date 12/29/2020	²³ TD 20,752	²⁴ PBDT 20,670	²⁵ Perforations 10,988-20,641'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1799	835		
12.25"	9.625"	5337/3923	1335		
8.5"	5.5"	20,737	2985		

V. Well Test Data

³¹ Date New Oil 12/29/20	³² Gas Delivery Date 12/29/20	³³ Test Date 01/28/21	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 1000	³⁶ Csg. Pressure 831
³⁷ Choke Size 64	³⁸ Oil 723	³⁹ Water 3897	⁴⁰ Gas 741		⁴¹ Test Method Flowing

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:
Senior Engineer Tech

E-mail Address:
ekosakowski@advancenergypartners.com

Date: Phone:

OIL CONSERVATION DIVISION

Approved by: **PATRICIA MARTINEZ**

Title: **PETROLEUM SPECIALIST**

Approval Date: **2/11/2022**

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) 334-6176 Fax: (505) 334-6170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3450 Fax: (505) 476-3462State of New Mexico
Energy, Minerals and Natural Resources DepartmentOIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102

Revised August 4, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT
As- Drilled

API Number 30-025-46702	Pool Code 97929	Pool Name WC-025G-06 S213326DW; BONE SPRING
Property Code 319603	Property Name MERCHANT STATE UNIT	Well Number 510H
OGRIID 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
C	35	21 S	33 E		200	NORTH	1654	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
N	2	22 S	33 E		100	SOUTH	1656	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240 320.03			

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

SURFACE LOCATION Lat - N 32.441996° Long - W 103.546409° NMSPCE - N 525423.7 E 784100.3 (NAD-83) KICK OFF POINT 112' FNL & 1635' FWL Lat - N 32.442238° Long - W 103.546471° NMSPCE - N 525511.4 E 784080.8 (NAD-83) FIRST TAKE POINT 1344' FNL & 1657' FWL Lat - N 32.440424° Long - W 103.546400° NMSPCE - N 524851.8 E 784107.3 (NAD-83) LAST TAKE POINT 100' FSL & 1656' FWL Lat - N 32.413807° Long - W 103.546390° NMSPCE - N 515168.3 E 784181.8 (NAD-83) BOTTOM HOLE LOCATION Lat - N 32.413616° Long - W 103.546389° NMSPCE - N 515098.8 E 784182.7 (NAD-83)		OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Debbie Moughon</i> Date: 2/13/21 Printed Name: Debbie Moughon Email Address: dmoughon@advanceenergypartners.com Phone Number: 505-476-3450 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. DATE SURVEYED: MARCH 18, 2021 Signature & Seal of Professional Surveyor: <i>[Signature]</i> Certificate No. 7977 Scale: 1" = 2000' WO Num.: 35325
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Advance Energy Partners

Lea County, NM (NAD 83 NME)
(Merchant State)Sec35_T-21-S_R-33-E
Merchant State Unit #510H

OWB

Design: AWB

Standard Survey Report

24 February, 2020



Microsoft
Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Project	Lea County, NM (NAD 83 NME)		
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)Sec35_T-21-S_R-33-E		
Site Position:		Northing:	525,423.60 usft
From:	Map	Easting:	784,067.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 26' 31.189 N
		Longitude:	103° 32' 47.459 W
		Grid Convergence:	0.42 °

Well	Merchant State Unit #510H		
Well Position	+N/-S	0.0 usft	Northing: 525,423.70 usft
	+E/-W	0.0 usft	Easting: 784,100.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 26' 31.187 N
		Longitude:	103° 32' 47.074 W
		Ground Level:	3,685.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	01/20/2020	6.68
			Dip Angle (°) 60.23
			Field Strength (nT) 47,800.56877334

Design	AWB		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 179.56

Survey Program	Date	02/24/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
141.0	20,752.0	Intrepid MWD (OWB)	MWD	OWSG MWD - Standard

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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
141.0	0.53	243.91	141.0	-0.3	-0.6	0.3	0.38	0.38	0.00
235.0	0.62	73.75	235.0	-0.3	-0.5	0.3	1.22	0.10	-181.02
330.0	0.62	76.65	330.0	-0.1	0.5	0.1	0.03	0.00	3.05
424.0	0.62	57.67	424.0	0.3	1.4	-0.3	0.22	0.00	-20.19
519.0	0.57	45.10	519.0	0.9	2.2	-0.9	0.15	-0.05	-13.23
613.0	0.48	69.53	613.0	1.4	2.9	-1.4	0.25	-0.10	25.99
708.0	0.31	35.17	708.0	1.7	3.4	-1.7	0.30	-0.18	-36.17
802.0	0.22	110.22	802.0	1.9	3.7	-1.9	0.35	-0.10	79.84
897.0	0.13	80.61	897.0	1.8	4.0	-1.8	0.13	-0.09	-31.17



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)	
1,087.0	0.18	201.02	1,087.0	1.6	4.1	-1.6	0.14	0.03	63.37	
1,182.0	0.04	87.46	1,182.0	1.5	4.1	-1.4	0.21	-0.15	-119.54	
1,277.0	0.18	30.42	1,277.0	1.6	4.2	-1.6	0.17	0.15	-60.04	
1,371.0	0.22	266.23	1,371.0	1.7	4.1	-1.7	0.38	0.04	-132.12	
1,466.0	0.18	228.61	1,466.0	1.6	3.8	-1.6	0.14	-0.04	-39.60	
1,555.0	0.26	241.62	1,555.0	1.4	3.5	-1.4	0.11	0.09	14.62	
1,645.0	0.90	14.60	1,645.0	2.0	3.5	-2.0	1.22	0.71	147.76	
1,746.0	0.26	193.11	1,746.0	2.5	3.7	-2.5	1.15	-0.63	176.74	
1,823.0	0.09	167.09	1,823.0	2.3	3.6	-2.3	0.24	-0.22	-33.79	
1,913.0	0.35	102.75	1,913.0	2.2	3.9	-2.1	0.36	0.29	-71.49	
2,003.0	0.44	103.37	2,003.0	2.0	4.5	-2.0	0.10	0.10	0.69	
2,093.0	0.62	142.83	2,093.0	1.6	5.2	-1.5	0.44	0.20	43.84	
2,183.0	0.88	318.35	2,183.0	1.7	5.0	-1.7	1.67	0.29	195.02	
2,272.0	1.71	317.47	2,271.9	3.2	3.6	-3.2	0.93	0.93	-0.99	
2,362.0	1.54	330.74	2,361.9	5.2	2.1	-5.2	0.46	-0.19	14.74	
2,452.0	1.49	334.96	2,451.9	7.3	1.1	-7.3	0.14	-0.06	4.69	
2,542.0	1.41	346.30	2,541.8	9.5	0.3	-9.5	0.33	-0.09	12.60	
2,632.0	1.45	355.35	2,631.8	11.7	0.0	-11.7	0.25	0.04	10.06	
2,722.0	1.27	350.61	2,721.8	13.8	-0.3	-13.8	0.24	-0.20	-5.27	
2,811.0	1.14	359.13	2,810.8	15.7	-0.5	-15.7	0.25	-0.15	9.57	
2,901.0	1.14	4.49	2,900.7	17.5	-0.4	-17.5	0.12	0.00	5.96	
2,990.0	1.23	32.62	2,989.7	19.1	0.2	-19.1	0.65	0.10	31.61	
3,080.0	0.53	7.92	3,079.7	20.4	0.7	-20.4	0.87	-0.78	-27.44	
3,170.0	0.22	357.99	3,169.7	21.0	0.8	-21.0	0.35	-0.34	-11.03	
3,260.0	0.66	64.61	3,259.7	21.4	1.3	-21.3	0.67	0.49	74.02	
3,349.0	0.40	259.90	3,348.7	21.5	1.4	-21.5	1.18	-0.29	-185.07	
3,439.0	0.79	255.16	3,438.7	21.3	0.5	-21.3	0.44	0.43	-5.27	
3,529.0	0.48	274.32	3,528.7	21.2	-0.5	-21.2	0.41	-0.34	21.29	
3,618.0	0.48	249.97	3,617.7	21.1	-1.2	-21.1	0.23	0.00	-27.36	
3,708.0	0.88	265.00	3,707.7	20.9	-2.2	-20.9	0.48	0.44	16.70	
3,798.0	1.01	261.22	3,797.7	20.7	-3.7	-20.7	0.16	0.14	-4.20	
3,887.0	1.05	263.15	3,886.7	20.5	-5.3	-20.5	0.06	0.04	2.17	
3,977.0	0.84	255.16	3,976.7	20.2	-6.8	-20.3	0.27	-0.23	-8.88	
4,066.0	0.79	250.76	4,065.6	19.9	-8.0	-19.9	0.09	-0.06	-4.94	
4,156.0	0.62	277.57	4,155.6	19.7	-9.0	-19.8	0.41	-0.19	29.79	
4,246.0	0.57	283.81	4,245.6	19.9	-9.9	-20.0	0.09	-0.06	6.93	
4,336.0	0.44	277.30	4,335.6	20.0	-10.7	-20.1	0.16	-0.14	-7.23	
4,426.0	0.22	249.53	4,425.6	20.0	-11.2	-20.1	0.30	-0.24	-30.86	
4,515.0	0.13	268.08	4,514.6	20.0	-11.5	-20.0	0.12	-0.10	20.84	
4,605.0	0.53	273.17	4,604.6	20.0	-12.0	-20.1	0.45	0.44	5.66	
4,694.0	0.62	277.22	4,693.6	20.1	-12.9	-20.2	0.11	0.10	4.55	
4,784.0	0.53	259.90	4,783.6	20.0	-13.8	-20.1	0.22	-0.10	-19.24	
4,874.0	0.66	286.88	4,873.6	20.1	-14.7	-20.2	0.34	0.14	29.98	
4,963.0	0.57	284.60	4,962.6	20.4	-15.6	-20.5	0.10	-0.10	-2.56	



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)	
5,053.0	0.70	268.52	5,052.6	20.5	-16.6	-20.6	0.24	0.14	-17.87	
5,142.0	0.70	260.96	5,141.6	20.4	-17.7	-20.5	0.10	0.00	-8.49	
5,232.0	0.66	249.09	5,231.6	20.1	-18.7	-20.3	0.16	-0.04	-13.19	
5,286.0	0.62	241.45	5,285.6	19.9	-19.3	-20.0	0.17	-0.07	-14.15	
5,407.0	0.92	205.32	5,406.6	18.7	-20.2	-18.8	0.46	0.25	-29.86	
5,496.0	1.01	205.67	5,495.6	17.3	-20.9	-17.5	0.10	0.10	0.39	
5,586.0	1.32	194.34	5,585.5	15.6	-21.5	-15.8	0.43	0.34	-12.59	
5,676.0	1.36	189.33	5,675.5	13.5	-21.9	-13.7	0.14	0.04	-5.57	
5,766.0	0.48	221.76	5,765.5	12.2	-22.3	-12.4	1.10	-0.98	36.03	
5,855.0	2.95	345.16	5,854.5	14.1	-23.2	-14.3	3.64	2.78	138.65	
5,945.0	3.96	352.45	5,944.3	19.5	-24.2	-19.6	1.22	1.12	8.10	
6,034.0	4.97	350.87	6,033.0	26.3	-25.2	-26.5	1.14	1.13	-1.78	
6,124.0	5.36	358.52	6,122.7	34.4	-25.9	-34.6	0.88	0.43	8.50	
6,213.0	5.85	359.22	6,211.2	43.1	-26.1	-43.3	0.56	0.55	0.79	
6,303.0	5.98	356.41	6,300.8	52.3	-26.4	-52.5	0.35	0.14	-3.12	
6,392.0	5.98	351.48	6,389.3	61.5	-27.4	-61.7	0.58	0.00	-5.54	
6,482.0	5.41	348.67	6,478.8	70.3	-29.0	-70.5	0.70	-0.63	-3.12	
6,572.0	5.05	346.39	6,568.5	78.3	-30.7	-78.6	0.46	-0.40	-2.53	
6,662.0	5.27	353.15	6,658.1	86.3	-32.1	-86.5	0.72	0.24	7.51	
6,752.0	5.58	358.43	6,747.7	94.8	-32.8	-95.0	0.65	0.34	5.87	
6,841.0	4.97	5.99	6,836.3	102.9	-32.5	-103.2	1.04	-0.69	8.49	
6,931.0	3.78	20.58	6,926.1	109.6	-31.0	-109.8	1.80	-1.32	16.21	
7,021.0	2.33	48.26	7,015.9	113.6	-28.6	-113.8	2.25	-1.61	30.76	
7,111.0	2.33	44.75	7,105.9	116.1	-26.0	-116.3	0.16	0.00	-3.90	
7,201.0	1.19	79.90	7,195.8	117.6	-23.8	-117.7	1.69	-1.27	39.06	
7,291.0	1.01	147.84	7,285.8	117.1	-22.4	-117.2	1.38	-0.20	75.49	
7,381.0	1.32	163.93	7,375.8	115.4	-21.7	-115.5	0.50	0.34	17.88	
7,470.0	1.67	164.28	7,464.8	113.2	-21.1	-113.3	0.39	0.39	0.39	
7,560.0	1.76	167.79	7,554.7	110.5	-20.4	-110.7	0.15	0.10	3.90	
7,650.0	1.93	172.36	7,644.7	107.7	-19.9	-107.8	0.25	0.19	5.08	
7,740.0	1.85	173.42	7,734.6	104.7	-19.6	-104.9	0.10	-0.09	1.18	
7,829.0	1.85	167.53	7,823.6	101.9	-19.1	-102.1	0.21	0.00	-6.62	
7,902.4	1.42	161.79	7,896.9	99.9	-18.5	-100.0	0.63	-0.59	-7.82	
FTP @ 7902.4' MD, 100' FNL, 1004' FEL										
7,919.0	1.32	159.97	7,913.5	99.5	-18.4	-99.7	0.63	-0.58	-10.95	
8,009.0	0.75	80.61	8,003.5	98.6	-17.5	-98.8	1.55	-0.63	-88.18	
8,098.0	0.48	107.59	8,092.5	98.6	-16.5	-98.7	0.44	-0.30	30.31	
8,188.0	0.53	152.50	8,182.5	98.1	-16.0	-98.3	0.43	0.06	49.90	
8,278.0	0.40	187.13	8,272.5	97.5	-15.8	-97.6	0.34	-0.14	38.48	
8,367.0	0.48	254.72	8,361.5	97.1	-16.2	-97.2	0.56	0.09	75.94	
8,456.0	0.62	183.35	8,450.5	96.5	-16.6	-96.6	0.73	0.16	-80.19	
8,546.0	0.44	197.50	8,540.5	95.7	-16.8	-95.8	0.25	-0.20	15.72	
8,638.0	0.70	185.20	8,632.5	94.8	-16.9	-94.9	0.31	0.28	-13.37	



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)
8,727.0	0.66	213.32	8,721.5	93.8	-17.2	-93.9	0.37	-0.04	31.60
8,817.0	0.92	205.41	8,811.5	92.7	-17.8	-92.8	0.31	0.29	-8.79
8,907.0	1.10	211.04	8,901.5	91.3	-18.6	-91.5	0.23	0.20	6.26
8,997.0	1.54	201.19	8,991.4	89.4	-19.5	-89.6	0.55	0.49	-10.94
9,087.0	0.48	108.99	9,081.4	88.2	-19.6	-88.3	1.81	-1.18	-102.44
9,177.0	1.19	60.13	9,171.4	88.5	-18.4	-88.7	1.05	0.79	-54.29
9,267.0	0.84	54.41	9,261.4	89.4	-17.0	-89.5	0.40	-0.39	-6.36
9,357.0	0.48	108.73	9,351.4	89.6	-16.2	-89.8	0.76	-0.40	60.36
9,447.0	0.35	174.91	9,441.4	89.3	-15.8	-89.4	0.52	-0.14	73.53
9,536.0	0.22	80.87	9,530.4	89.0	-15.6	-89.1	0.48	-0.15	-105.66
9,626.0	0.97	343.13	9,620.4	89.8	-15.6	-89.9	1.14	0.83	-108.60
9,716.0	2.42	328.28	9,710.4	92.1	-16.9	-92.2	1.67	1.61	-16.50
9,805.0	1.19	341.90	9,799.3	94.6	-18.1	-94.7	1.45	-1.38	15.30
9,895.0	0.66	205.32	9,889.3	95.0	-18.6	-95.1	1.92	-0.59	-151.76
9,985.0	0.84	246.98	9,979.3	94.3	-19.5	-94.4	0.62	0.20	46.29
10,093.0	6.68	173.24	10,087.0	87.7	-19.5	-87.9	6.01	5.41	-68.28
10,182.0	19.34	174.38	10,173.6	67.8	-17.4	-68.0	14.23	14.22	1.28
10,272.0	31.87	173.77	10,254.6	29.2	-13.3	-29.3	13.93	13.92	-0.68
10,362.0	42.15	176.23	10,326.4	-24.7	-8.8	24.6	11.54	11.42	2.73
10,451.0	48.35	177.90	10,389.0	-87.8	-5.6	87.7	7.09	6.97	1.88
10,541.0	56.35	178.78	10,443.9	-158.9	-3.5	158.9	8.92	8.89	0.98
10,630.0	60.44	178.96	10,490.5	-234.7	-2.1	234.7	4.60	4.60	0.20
10,720.0	68.04	177.11	10,529.6	-315.6	0.8	315.6	8.64	8.44	-2.06
10,809.0	72.13	177.29	10,559.9	-399.2	4.8	399.2	4.60	4.60	0.20
10,899.0	74.24	179.04	10,586.0	-485.3	7.6	485.3	2.99	2.34	1.94
10,988.0	79.34	181.68	10,606.3	-571.9	7.0	571.9	6.42	5.73	2.97
11,035.0	83.69	183.17	10,613.2	-618.3	5.1	618.4	9.77	9.26	3.17
11,108.0	90.81	182.56	10,616.8	-691.1	1.4	691.1	9.79	9.75	-0.84
11,198.0	90.15	182.82	10,616.0	-781.0	-2.8	781.0	0.79	-0.73	0.29
11,288.0	89.10	179.66	10,616.6	-871.0	-4.7	870.9	3.70	-1.17	-3.51
11,378.0	87.82	177.64	10,619.0	-960.9	-2.6	960.9	2.66	-1.42	-2.24
11,468.0	89.76	177.29	10,620.9	-1,050.8	1.4	1,050.8	2.19	2.16	-0.39
11,557.0	91.34	177.02	10,620.1	-1,139.7	5.8	1,139.7	1.80	1.78	-0.30
11,647.0	89.98	179.04	10,619.0	-1,229.6	8.9	1,229.6	2.71	-1.51	2.24
11,736.0	89.98	179.75	10,619.0	-1,318.6	9.8	1,318.6	0.80	0.00	0.80
11,826.0	90.81	178.78	10,618.4	-1,408.6	11.0	1,408.6	1.42	0.92	-1.08
11,916.0	89.93	180.19	10,617.8	-1,498.6	11.8	1,498.6	1.85	-0.98	1.57
12,006.0	88.48	180.45	10,619.1	-1,588.6	11.3	1,588.6	1.64	-1.61	0.29
12,096.0	87.60	180.27	10,622.2	-1,678.5	10.7	1,678.6	1.00	-0.98	-0.20
12,186.0	87.69	179.75	10,625.9	-1,768.4	10.7	1,768.5	0.59	0.10	-0.58
12,276.0	89.76	180.19	10,627.9	-1,858.4	10.7	1,858.4	2.35	2.30	0.49
12,365.0	89.36	180.10	10,628.6	-1,947.4	10.5	1,947.4	0.46	-0.45	-0.10
12,455.0	88.44	179.22	10,630.3	-2,037.4	11.0	2,037.4	1.41	-1.02	-0.98
12,545.0	88.13	178.34	10,633.0	-2,127.3	13.0	2,127.4	1.04	-0.34	-0.98



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)
12,635.0	90.46	177.20	10,634.1	-2,217.2	16.5	2,217.3	2.88	2.59	-1.27
12,725.0	89.63	176.41	10,634.0	-2,307.1	21.5	2,307.2	1.27	-0.92	-0.88
12,814.0	91.12	176.58	10,633.4	-2,395.9	26.9	2,396.1	1.69	1.67	0.19
12,857.1	91.01	176.41	10,632.6	-2,438.9	29.5	2,439.1	0.46	-0.24	-0.39
CROSS SEC LINE @ 12857.1' MD, 977' FEL									
12,904.0	90.90	176.23	10,631.8	-2,485.7	32.6	2,485.9	0.46	-0.24	-0.39
12,994.0	92.62	177.37	10,629.1	-2,575.6	37.6	2,575.8	2.29	1.91	1.27
13,083.0	92.00	180.10	10,625.5	-2,664.5	39.5	2,664.7	3.14	-0.70	3.07
13,173.0	90.29	180.01	10,623.7	-2,754.4	39.5	2,754.7	1.90	-1.90	-0.10
13,263.0	88.04	179.22	10,625.0	-2,844.4	40.1	2,844.6	2.65	-2.50	-0.88
13,352.0	89.19	179.48	10,627.2	-2,933.4	41.1	2,933.6	1.32	1.29	0.29
13,442.0	92.84	179.75	10,625.6	-3,023.4	41.7	3,023.6	4.07	4.06	0.30
13,531.0	95.34	180.27	10,619.2	-3,112.1	41.7	3,112.3	2.87	2.81	0.58
13,621.0	92.04	181.24	10,613.4	-3,201.9	40.5	3,202.1	3.82	-3.67	1.08
13,710.0	91.56	181.33	10,610.6	-3,290.8	38.5	3,291.0	0.55	-0.54	0.10
13,800.0	89.80	180.54	10,609.6	-3,380.8	37.0	3,381.0	2.14	-1.96	-0.88
13,890.0	89.10	180.63	10,610.4	-3,470.8	36.1	3,471.0	0.78	-0.78	0.10
13,980.0	90.64	179.75	10,610.6	-3,560.8	35.8	3,561.0	1.97	1.71	-0.98
14,069.0	91.56	178.69	10,608.9	-3,649.8	37.0	3,650.0	1.58	1.03	-1.19
14,159.0	90.73	179.66	10,607.1	-3,739.8	38.3	3,739.9	1.42	-0.92	1.08
14,249.0	90.95	178.78	10,605.8	-3,829.7	39.5	3,829.9	1.01	0.24	-0.98
14,339.0	90.95	179.92	10,604.3	-3,919.7	40.5	3,919.9	1.27	0.00	1.27
14,428.0	87.60	182.82	10,605.4	-4,008.7	38.4	4,008.8	4.98	-3.76	3.26
14,518.0	86.15	182.73	10,610.3	-4,098.4	34.1	4,098.6	1.61	-1.61	-0.10
14,608.0	87.21	181.06	10,615.6	-4,188.2	31.1	4,188.3	2.20	1.18	-1.86
14,697.0	89.27	180.45	10,618.3	-4,277.2	29.9	4,277.3	2.41	2.31	-0.69
14,787.0	89.89	180.27	10,618.9	-4,367.2	29.4	4,367.2	0.72	0.69	-0.20
14,877.0	87.34	181.24	10,621.1	-4,457.1	28.2	4,457.2	3.03	-2.83	1.08
14,967.0	87.74	181.68	10,625.0	-4,547.0	25.9	4,547.1	0.66	0.44	0.49
15,056.0	87.78	181.86	10,628.5	-4,635.9	23.1	4,635.9	0.21	0.04	0.20
15,146.0	86.07	181.77	10,633.3	-4,725.7	20.3	4,725.7	1.90	-1.90	-0.10
15,236.0	84.79	181.50	10,640.5	-4,815.4	17.7	4,815.4	1.45	-1.42	-0.30
15,325.0	85.54	177.90	10,648.0	-4,904.0	18.2	4,904.0	4.12	0.84	-4.04
15,415.0	88.40	177.20	10,652.7	-4,993.8	22.0	4,993.9	3.27	3.18	-0.78
15,500.5	88.52	176.78	10,655.0	-5,079.2	26.5	5,079.2	0.51	0.14	-0.49
CROSS SEC LINE @ 15500.5' MD, 1001' FEL									
15,505.0	88.53	176.76	10,655.1	-5,083.7	26.8	5,083.7	0.51	0.14	-0.49
15,594.0	88.48	176.14	10,657.5	-5,172.5	32.3	5,172.6	0.70	-0.06	-0.70
15,684.0	90.99	177.11	10,657.9	-5,262.3	37.6	5,262.4	2.99	2.79	1.08
15,774.0	91.91	176.85	10,655.6	-5,352.2	42.3	5,352.3	1.06	1.02	-0.29
15,864.0	88.35	177.46	10,655.4	-5,442.0	46.8	5,442.2	4.01	-3.96	0.68
15,953.0	89.32	177.90	10,657.2	-5,530.9	50.4	5,531.2	1.20	1.09	0.49
16,043.0	88.53	180.01	10,658.9	-5,620.9	52.0	5,621.1	2.50	-0.88	2.34



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)
16,132.0	89.89	181.06	10,660.1	-5,709.9	51.2	5,710.1	1.93	1.53	1.18
16,222.0	85.98	181.59	10,663.4	-5,799.8	49.1	5,800.0	4.38	-4.34	0.59
16,312.0	85.71	182.03	10,669.9	-5,889.5	46.3	5,889.7	0.57	-0.30	0.49
16,401.0	86.20	181.24	10,676.2	-5,978.2	43.8	5,978.4	1.04	0.55	-0.89
16,491.0	86.29	180.54	10,682.1	-6,068.0	42.4	6,068.2	0.78	0.10	-0.78
16,581.0	88.97	180.01	10,685.8	-6,158.0	41.9	6,158.1	3.04	2.98	-0.59
16,670.0	89.63	179.39	10,686.9	-6,246.9	42.4	6,247.1	1.02	0.74	-0.70
16,760.0	89.14	178.96	10,687.8	-6,336.9	43.7	6,337.1	0.72	-0.54	-0.48
16,850.0	89.41	178.69	10,689.0	-6,426.9	45.5	6,427.1	0.42	0.30	-0.30
16,939.0	89.41	178.34	10,689.9	-6,515.9	47.8	6,516.0	0.39	0.00	-0.39
17,029.0	91.12	178.34	10,689.5	-6,605.8	50.4	6,606.0	1.90	1.90	0.00
17,118.0	88.84	178.52	10,689.5	-6,694.8	52.9	6,695.0	2.57	-2.56	0.20
17,208.0	91.47	178.60	10,689.3	-6,784.7	55.1	6,785.0	2.92	2.92	0.09
17,298.0	88.92	179.66	10,688.9	-6,874.7	56.5	6,875.0	3.07	-2.83	1.18
17,388.0	89.58	179.13	10,690.1	-6,964.7	57.5	6,964.9	0.94	0.73	-0.59
17,478.0	89.98	179.31	10,690.5	-7,054.7	58.7	7,054.9	0.49	0.44	0.20
17,568.0	84.84	180.27	10,694.5	-7,144.6	59.0	7,144.8	5.81	-5.71	1.07
17,658.0	84.66	179.83	10,702.8	-7,234.2	58.9	7,234.4	0.53	-0.20	-0.49
17,762.0	87.43	180.01	10,709.9	-7,337.9	59.1	7,338.2	2.67	2.66	0.17
17,837.0	87.82	179.92	10,713.1	-7,412.9	59.1	7,413.1	0.53	0.52	-0.12
17,927.0	89.63	179.66	10,715.1	-7,502.9	59.5	7,503.1	2.03	2.01	-0.29
18,016.0	90.42	179.83	10,715.0	-7,591.9	59.9	7,592.1	0.91	0.89	0.19
18,106.0	91.47	179.75	10,713.5	-7,681.8	60.2	7,682.1	1.17	1.17	-0.09
18,143.2	91.49	179.53	10,712.6	-7,719.0	60.4	7,719.3	0.59	0.06	-0.59
CROSS SEC LINE @ 18143.2' MD, 987' FEL									
18,196.0	91.52	179.22	10,711.2	-7,771.8	61.0	7,772.0	0.59	0.06	-0.59
18,286.0	91.65	178.69	10,708.7	-7,861.8	62.6	7,862.0	0.61	0.14	-0.59
18,375.0	88.92	179.39	10,708.2	-7,950.7	64.1	7,951.0	3.17	-3.07	0.79
18,465.0	86.86	179.31	10,711.6	-8,040.7	65.1	8,040.9	2.29	-2.29	-0.09
18,554.0	86.64	178.78	10,716.6	-8,129.5	66.6	8,129.8	0.64	-0.25	-0.60
18,644.0	86.99	178.96	10,721.6	-8,219.3	68.4	8,219.6	0.44	0.39	0.20
18,734.0	89.98	179.39	10,724.0	-8,309.3	69.7	8,309.6	3.36	3.32	0.48
18,823.0	91.56	178.96	10,722.8	-8,398.3	71.0	8,398.6	1.84	1.78	-0.48
18,913.0	89.67	179.66	10,721.8	-8,488.3	72.1	8,488.6	2.24	-2.10	0.78
19,003.0	88.44	181.50	10,723.3	-8,578.2	71.2	8,578.5	2.46	-1.37	2.04
19,093.0	86.24	182.38	10,727.5	-8,668.1	68.1	8,668.3	2.63	-2.44	0.98
19,182.0	85.80	181.86	10,733.7	-8,756.8	64.8	8,757.0	0.76	-0.49	-0.58
19,272.0	86.02	179.92	10,740.1	-8,846.6	63.4	8,846.8	2.16	0.24	-2.16
19,362.0	89.93	178.96	10,743.3	-8,936.5	64.3	8,936.7	4.47	4.34	-1.07
19,452.0	92.92	178.25	10,741.0	-9,026.4	66.5	9,026.7	3.41	3.32	-0.79
19,541.0	90.55	178.08	10,738.3	-9,115.3	69.3	9,115.6	2.67	-2.66	-0.19
19,631.0	87.30	179.31	10,740.0	-9,205.3	71.4	9,205.5	3.86	-3.61	1.37
19,721.0	85.85	179.04	10,745.4	-9,295.1	72.7	9,295.4	1.64	-1.61	-0.30
19,811.0	86.11	178.43	10,751.7	-9,384.9	74.7	9,385.2	0.74	0.29	-0.68



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

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)	
19,900.0	88.97	178.25	10,755.5	-9,473.7	77.2	9,474.0	3.22	3.21	-0.20	
19,990.0	88.84	177.55	10,757.2	-9,563.6	80.5	9,564.0	0.79	-0.14	-0.78	
20,080.0	91.12	179.92	10,757.3	-9,653.6	82.5	9,654.0	3.65	2.53	2.63	
20,170.0	92.04	180.36	10,754.8	-9,743.6	82.3	9,743.9	1.13	1.02	0.49	
20,260.0	92.04	179.48	10,751.6	-9,833.5	82.4	9,833.9	0.98	0.00	-0.98	
20,350.0	90.64	180.89	10,749.5	-9,923.5	82.1	9,923.8	2.21	-1.56	1.57	
20,439.0	87.08	180.54	10,751.3	-10,012.5	81.0	10,012.8	4.02	-4.00	-0.39	
20,529.0	86.07	179.92	10,756.6	-10,102.3	80.7	10,102.6	1.32	-1.12	-0.69	
20,619.0	86.73	179.75	10,762.3	-10,192.1	80.9	10,192.4	0.76	0.73	-0.19	
20,682.4	87.14	179.30	10,765.7	-10,255.4	81.5	10,255.7	0.97	0.65	-0.72	
LTP @ 20682.4' MD, 100' FSL, 984' FEL										
20,693.0	87.21	179.22	10,766.2	-10,266.0	81.6	10,266.3	0.97	0.65	-0.72	
LAST SVY										
20,752.0	87.21	179.22	10,769.1	-10,324.9	82.4	10,325.3	0.00	0.00	0.00	
PTD @ 20752.0' MD, 31' FSL, 984' FEL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
T2 (Merchant State Unit #510H) - hit/miss target - Shape	0.00	0.00	10,556.8	-4,917.3	34.1	520,506.40	784,134.45	32° 25' 42.529 N	103° 32' 47.098 W	
- actual wellpath misses target center by 93.3usft at 15334.1usft MD (10648.6 TVD, -4913.1 N, 18.5 E)										
- Point										
T1 (Merchant State Unit #510H) - hit/miss target - Shape	0.00	0.00	10,574.4	-1,864.4	10.6	523,559.30	784,110.92	32° 26' 12.739 N	103° 32' 47.111 W	
- actual wellpath misses target center by 53.5usft at 12281.6usft MD (10627.9 TVD, -1864.0 N, 10.7 E)										
- Point										
FTP (Merchant State Unit #510H) - hit/miss target - Shape	0.00	0.00	10,585.4	99.9	-4.6	525,523.60	784,095.70	32° 26' 32.176 N	103° 32' 47.119 W	
- actual wellpath misses target center by 271.7usft at 10451.0usft MD (10389.0 TVD, -87.8 N, -5.6 E)										
- Point										
T3 (Merchant State Unit #510H) - hit/miss target - Shape	0.00	0.00	10,671.8	-8,409.3	61.1	517,014.40	784,161.37	32° 25' 7.974 N	103° 32' 47.084 W	
- actual wellpath misses target center by 51.7usft at 18834.5usft MD (10722.5 TVD, -8409.7 N, 71.2 E)										
- Point										
LTP/PBHL (Merchant State Unit #510H) - hit/miss target - Shape	0.00	0.00	10,731.7	-10,255.5	75.3	515,168.20	784,175.60	32° 24' 49.706 N	103° 32' 47.077 W	
- actual wellpath misses target center by 34.5usft at 20680.6usft MD (10765.6 TVD, -10253.6 N, 81.4 E)										
- Point										



Microsoft
Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #510H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	Kb @ 3710.5usft (H&P 466)
Site:	(Merchant State)Sec35_T-21-S_R-33-E	MD Reference:	Kb @ 3710.5usft (H&P 466)
Well:	Merchant State Unit #510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,902.4	7,896.9	99.9	-18.5	FTP @ 7902.4' MD, 100' FNL, 1004' FEL
12,857.1	10,632.6	-2,438.9	29.5	CROSS SEC LINE @ 12857.1' MD, 977' FEL
15,500.5	10,655.0	-5,079.2	26.5	CROSS SEC LINE @ 15500.5' MD, 1001' FEL
18,143.2	10,712.6	-7,719.0	60.4	CROSS SEC LINE @ 18143.2' MD, 987' FEL
20,682.4	10,765.7	-10,255.4	81.5	LTP @ 20682.4' MD, 100' FSL, 984' FEL
20,693.0	10,766.2	-10,266.0	81.6	LAST SVY
20,752.0	10,769.1	-10,324.9	82.4	PTD @ 20752.0' MD, 31' FSL, 984' FEL

Checked By: _____ Approved By: _____ Date: _____

District I - (575) 393-6161
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1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

WELL API NO. 30-025-46702
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name MERCHANT STATE UNIT
8. Well Number 510H
9. OGRID Number 372417
10. Pool name or Wildcat WC-025 G-08 S213304D; BONE SPRING

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

2. Name of Operator

Advance Energy Partners Hat Mesa

3. Address of Operator

11490 Westheimer Rd, Houston, TX 77077

4. Well Location

Unit Letter C : 200 feet from the N line and 1654 feet from the W line
Section 35 Township 21S Range 33E NMPM County LEA

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3685'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
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.

- 9/11/20: Pressure test casing to 9,800 psi for 30 minutes.
- 10/21/20 - 11/13/20: Perforate from 10,988' - 20,641' (2976). Frac with 24,540,660 lbs sand and 25,132,632 gal fluid.
- 12/10/20 - 12/11/20: Drill all plugs out and clean out to a PBTB of 20,670'.
- 01/21/21- Ran 2 7/8" Production tubing and gas lift valves.
- Ready to Produce: 12/29/20

Spud Date:

01/22/20

Rig Release Date:

02/24/20

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

SIGNATURE:

TITLE: Sr Eng. Tech.

DATE: 2/11/22

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):

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.
 30-025-46702
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:
 510H

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:	C	35	21S	33E		200	N	1654	W	Lea
BH:	N	2	22S	33E		100	S	1656	W	Lea

13. Date Spudded
 01/22/20

14. Date T.D. Reached
 02/21/20

15. Date Rig Released
 02/24/20

16. Date Completed (Ready to Produce)
 12/29/20

17. Elevations (DF and RKB, RT, GR, etc.)
 3685

18. Total Measured Depth of Well
 20,752

19. Plug Back Measured Depth
 20,670

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
 10,988-20,641' Bone Springs

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#	1799	17.5"	835	
9.625"	40#	5337/3923	12.25"	1335	
5.5"	20#	20,737	7.875"	2985	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	10,696	N/A

26. Perforation record (interval, size, and number)
 10,988-20,641' -2976 holes

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,988-20,641'	24,540,660 lbs sand, 25,132,632 bbls water

PRODUCTION

28.

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
12/29/20	Flowing	Prod
Date of Test 01/28/21	Hours Tested 24 Hrs	Choke Size 64
Prod'n For Test Period	Oil - Bbl 723	Gas - MCF 741
Water - Bbl. 3897	Gas - Oil Ratio 5928	
Flow Tubing Press. 1000	Casing Pressure 831	Calculated 24-Hour Rate
Oil - Bbl. 723	Gas - MCF 741	Water - Bbl. 3897
Oil Gravity - API - (Corr.) 41.7		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
 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: 02/24/20

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: 02/11/22

Printed Name Eileen M Kosakowski

Title: Sr Engineer 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 8544 MD	T. Entrada	
T. Wolfcamp	T. AV 9040 MD	T. Wingate	
T. Penn	T. ISS 10100 MD	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
 No. 2, 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
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District I

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District III

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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 80869

ACKNOWLEDGMENTS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 80869
	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
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Oil Conservation Division
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CONDITIONS

Action 80869

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 80869
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	Submit Log (s) in Pending Permits as [UF-WL] EP Well Log Submission.	2/11/2022