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

Form C-104
Revised August 1, 2011

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 – 025-46704	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 603 H

II. ¹⁰ Surface Location

Ul or lot no. C	Section 35	Township 21S	Range 33E	Lot Idn	Feet from the 200	North/South Line NORTH	Feet from the 1720	East/West line WEST	County Lea
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¹¹ Bottom Hole Location

UL or lot no. N	Section 2	Township 22S	Range 33E	Lot Idn	Feet from the 16	North/South line SOUTH	Feet from the 2018	East/West line WEST	County 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				

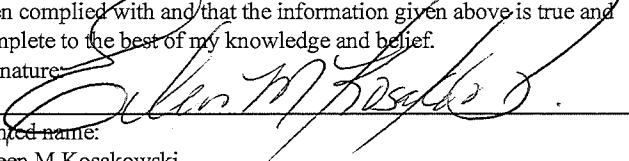
III. Oil and Gas Transporters

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 01/19/20	²² Ready Date 01/02/21	²³ TD 22,240	²⁴ PBTB 22,146	²⁵ Perforations 12,099-22,117'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1803	835		
12.25"	9.625"	5343/3922	2670 1335		
8.5"	5.5"	22,225	3100		

V. Well Test Data

³¹ Date New Oil 01/04/21	³² Gas Delivery Date 01/04/21	³³ Test Date 02/04/21	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 960	³⁶ Csg. Pressure 320
³⁷ Choke Size 64	³⁸ Oil 599	³⁹ Water 5643	⁴⁰ Gas 1275		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: 			OIL CONSERVATION DIVISION		
Printed name: Eileen M Kosakowski			Approved by: PATRICIA MARTINEZ		
Title: Sr. Eng. Tech.			Title: PETROLEUM SPECIALIST		
E-mail Address: ekosakowski@advanceenergypartners.com			Approval Date: 7/25/2024		
Date: 2/17/22		Phone: 832-672-4604			

Received by OCD: 2/17/2022 11:44:08 AM

DISTRICT I1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-6161 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) 478-3462State of New Mexico
Energy, Minerals and Natural Resources Department**OIL 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 30-025-46704	Pool Code 97929	Pool Name WC-025 G-06 S213326D; BONE SPRING
Property Code 319603	Property Name MERCHANT STATE UNIT	Well Number 603H
OGRID No. 372417	Operator Name ADVANCE ENERGY PARTNERS HAT MESA	Elevation 3685'

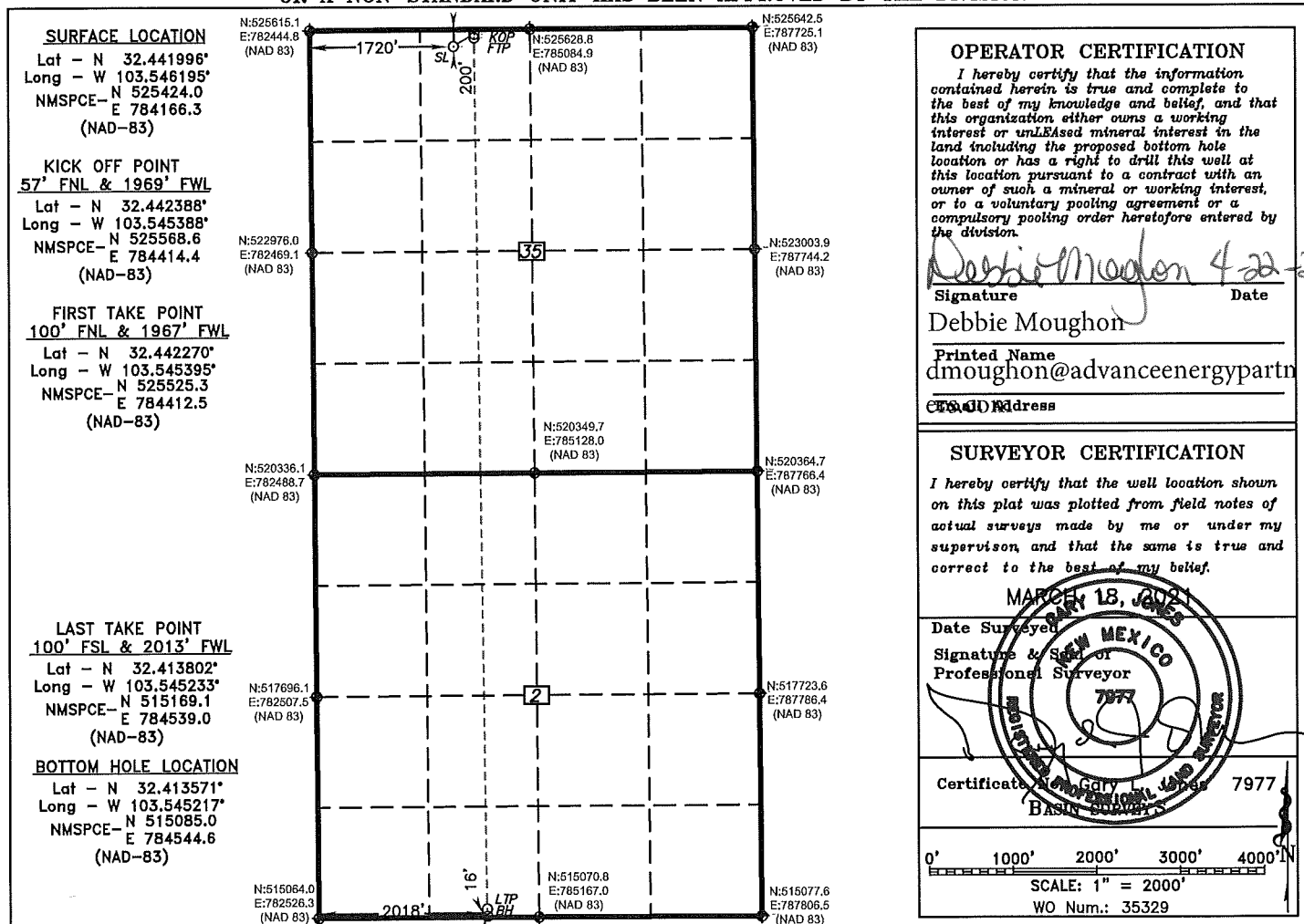
Surface Location

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	1720	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		16	SOUTH	2018	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

Lea County, NM (NAD 83 NME)
(Merchant State)Sec35_T-21-S_R-33-E
Merchant State Unit #603H

OWB

Design: AWB

Standard Survey Report

18 March, 2020





Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
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 #603H	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 #603H		
Well Position	+N/-S	0.0 usft	Northing: 525,424.00 usft
	+E/-W	0.0 usft	Easting: 784,166.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 26' 31.185 N
		Longitude:	103° 32' 46.304 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) 47,800.59052884

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	03/18/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
141.0	22,240.0	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	0.62	261.31	141.0	-0.1	-0.8	0.1	0.44	0.44	0.00
235.0	0.53	259.73	235.0	-0.3	-1.7	0.3	0.10	-0.10	-1.68
330.0	0.75	300.07	330.0	0.0	-2.7	0.0	0.51	0.23	42.46
425.0	0.75	288.91	425.0	0.5	-3.8	-0.5	0.15	0.00	-11.75
519.0	0.53	297.43	519.0	0.9	-4.7	-0.9	0.25	-0.23	9.06
614.0	0.70	270.63	614.0	1.1	-5.7	-1.1	0.35	0.18	-28.21
708.0	0.62	251.99	708.0	0.9	-6.8	-1.0	0.24	-0.09	-19.83
802.0	0.62	229.58	802.0	0.4	-7.6	-0.5	0.26	0.00	-23.84
897.0	0.40	279.50	897.0	0.2	-8.4	-0.2	0.50	-0.23	52.55



Microsoft Survey Report



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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 #603H	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)	
992.0	0.70	236.17	991.9	-0.1	-9.2	0.0	0.52	0.32	-45.61	
1,082.0	0.57	264.65	1,081.9	-0.4	-10.1	0.4	0.37	-0.14	31.64	
1,171.0	0.44	219.03	1,170.9	-0.8	-10.7	0.7	0.46	-0.15	-51.26	
1,261.0	0.35	217.71	1,260.9	-1.2	-11.1	1.2	0.10	-0.10	-1.47	
1,351.0	0.44	211.47	1,350.9	-1.8	-11.5	1.7	0.11	0.10	-6.93	
1,441.0	0.40	272.38	1,440.9	-2.0	-12.0	1.9	0.47	-0.04	67.68	
1,531.0	0.53	263.07	1,530.9	-2.1	-12.7	2.0	0.17	0.14	-10.34	
1,621.0	0.57	226.33	1,620.9	-2.4	-13.4	2.3	0.39	0.04	-40.82	
1,710.0	0.40	243.73	1,709.9	-2.9	-14.0	2.8	0.25	-0.19	19.55	
1,756.0	0.79	226.42	1,755.9	-3.2	-14.4	3.1	0.92	0.85	-37.63	
1,824.0	0.66	254.28	1,823.9	-3.6	-15.1	3.5	0.55	-0.19	40.97	
1,914.0	0.57	242.68	1,913.9	-3.9	-16.0	3.8	0.17	-0.10	-12.89	
2,004.0	0.40	98.71	2,003.9	-4.2	-16.1	4.1	1.03	-0.19	-159.97	
2,093.0	0.92	86.93	2,092.9	-4.2	-15.1	4.1	0.60	0.58	-13.24	
2,183.0	0.92	87.81	2,182.9	-4.1	-13.6	4.0	0.02	0.00	0.98	
2,273.0	0.79	85.44	2,272.9	-4.1	-12.3	4.0	0.15	-0.14	-2.63	
2,363.0	0.84	75.86	2,362.9	-3.8	-11.0	3.8	0.16	0.06	-10.64	
2,452.0	0.70	71.11	2,451.9	-3.5	-9.9	3.4	0.17	-0.16	-5.34	
2,542.0	0.70	67.25	2,541.9	-3.1	-8.9	3.1	0.05	0.00	-4.29	
2,632.0	0.88	59.34	2,631.8	-2.6	-7.8	2.5	0.23	0.20	-8.79	
2,722.0	0.92	59.95	2,721.8	-1.8	-6.5	1.8	0.05	0.04	0.68	
2,812.0	0.92	59.34	2,811.8	-1.1	-5.3	1.1	0.01	0.00	-0.68	
2,901.0	0.92	59.51	2,900.8	-0.4	-4.1	0.4	0.00	0.00	0.19	
2,991.0	1.05	65.58	2,990.8	0.3	-2.7	-0.3	0.19	0.14	6.74	
3,081.0	1.19	61.80	3,080.8	1.1	-1.1	-1.1	0.18	0.16	-4.20	
3,170.0	1.36	66.28	3,169.8	2.0	0.7	-2.0	0.22	0.19	5.03	
3,260.0	1.54	67.42	3,259.7	2.9	2.8	-2.8	0.20	0.20	1.27	
3,350.0	1.67	63.03	3,349.7	3.9	5.0	-3.9	0.20	0.14	-4.88	
3,440.0	1.76	66.37	3,439.7	5.1	7.5	-5.0	0.15	0.10	3.71	
3,529.0	1.80	66.63	3,528.6	6.2	10.0	-6.1	0.05	0.04	0.29	
3,619.0	1.71	71.11	3,618.6	7.2	12.6	-7.1	0.18	-0.10	4.98	
3,709.0	1.76	69.44	3,708.5	8.1	15.1	-8.0	0.08	0.06	-1.86	
3,798.0	1.71	69.44	3,797.5	9.0	17.7	-8.9	0.06	-0.06	0.00	
3,888.0	0.48	34.11	3,887.5	9.8	19.1	-9.7	1.50	-1.37	-39.26	
3,977.0	0.44	298.05	3,976.5	10.3	19.0	-10.1	0.77	-0.04	-107.93	
4,067.0	0.57	296.38	4,066.5	10.6	18.3	-10.5	0.15	0.14	-1.86	
4,157.0	0.97	304.02	4,156.5	11.3	17.3	-11.1	0.46	0.44	8.49	
4,246.0	1.27	316.33	4,245.4	12.4	16.0	-12.3	0.43	0.34	13.83	
4,336.0	1.45	320.72	4,335.4	14.0	14.6	-13.9	0.23	0.20	4.88	
4,426.0	1.32	317.82	4,425.4	15.7	13.2	-15.6	0.16	-0.14	-3.22	
4,516.0	1.23	317.47	4,515.4	17.1	11.8	-17.0	0.10	-0.10	-0.39	
4,605.0	1.36	343.93	4,604.3	18.9	10.9	-18.8	0.68	0.15	29.73	
4,695.0	0.57	337.25	4,694.3	20.3	10.4	-20.2	0.89	-0.88	-7.42	
4,785.0	0.18	97.04	4,784.3	20.7	10.4	-20.6	0.75	-0.43	133.10	



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
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 #603H	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)	
4,874.0	0.48	139.32	4,873.3	20.4	10.8	-20.3	0.41	0.34	47.51	
4,964.0	0.44	155.93	4,963.3	19.8	11.2	-19.7	0.15	-0.04	18.46	
5,053.0	0.62	146.35	5,052.3	19.1	11.6	-19.0	0.22	0.20	-10.76	
5,143.0	0.66	133.08	5,142.3	18.3	12.2	-18.2	0.17	0.04	-14.74	
5,232.0	0.53	141.34	5,231.3	17.6	12.8	-17.5	0.17	-0.15	9.28	
5,292.0	0.88	155.31	5,291.3	17.0	13.2	-16.9	0.65	0.58	23.28	
5,411.0	1.10	158.74	5,410.3	15.1	14.0	-15.0	0.19	0.18	2.88	
5,501.0	1.14	163.57	5,500.3	13.5	14.6	-13.3	0.11	0.04	5.37	
5,590.0	2.29	108.03	5,589.2	12.1	16.5	-11.9	2.13	1.29	-62.40	
5,680.0	4.88	80.96	5,679.1	12.1	22.0	-11.9	3.36	2.88	-30.08	
5,770.0	5.89	59.69	5,768.7	15.0	29.8	-14.8	2.47	1.12	-23.63	
5,859.0	6.46	49.32	5,857.2	20.6	37.5	-20.3	1.40	0.64	-11.65	
5,949.0	6.46	49.40	5,946.6	27.2	45.2	-26.8	0.01	0.00	0.09	
6,039.0	6.59	48.17	6,036.0	33.9	52.9	-33.5	0.21	0.14	-1.37	
6,128.0	6.68	47.82	6,124.4	40.8	60.5	-40.4	0.11	0.10	-0.39	
6,217.0	6.99	46.77	6,212.8	48.0	68.3	-47.5	0.38	0.35	-1.18	
6,307.0	7.16	45.01	6,302.1	55.7	76.3	-55.1	0.31	0.19	-1.96	
6,397.0	6.95	54.24	6,391.4	62.9	84.7	-62.2	1.28	-0.23	10.26	
6,486.0	5.98	57.23	6,479.8	68.5	92.9	-67.8	1.15	-1.09	3.36	
6,576.0	5.58	55.56	6,569.4	73.5	100.5	-72.8	0.48	-0.44	-1.86	
6,666.0	5.58	55.73	6,659.0	78.5	107.7	-77.6	0.02	0.00	0.19	
6,756.0	5.49	54.94	6,748.5	83.4	114.8	-82.5	0.13	-0.10	-0.88	
6,846.0	5.41	55.12	6,838.1	88.3	121.8	-87.4	0.09	-0.09	0.20	
6,936.0	5.41	54.85	6,927.7	93.2	128.8	-92.2	0.03	0.00	-0.30	
7,026.0	5.27	54.33	7,017.3	98.0	135.6	-97.0	0.16	-0.16	-0.58	
7,115.0	5.32	54.94	7,106.0	102.8	142.3	-101.7	0.08	0.06	0.69	
7,205.0	5.14	56.70	7,195.6	107.4	149.1	-106.2	0.27	-0.20	1.96	
7,295.0	4.66	55.82	7,285.3	111.7	155.5	-110.5	0.54	-0.53	-0.98	
7,385.0	4.53	59.42	7,375.0	115.5	161.6	-114.3	0.35	-0.14	4.00	
7,474.0	4.62	61.71	7,463.7	119.0	167.8	-117.7	0.23	0.10	2.57	
7,564.0	4.48	64.17	7,553.4	122.3	174.1	-120.9	0.27	-0.16	2.73	
7,654.0	4.44	66.10	7,643.1	125.2	180.5	-123.8	0.17	-0.04	2.14	
7,744.0	4.22	66.63	7,732.9	127.9	186.7	-126.5	0.25	-0.24	0.59	
7,833.0	4.04	66.28	7,821.6	130.5	192.6	-129.0	0.20	-0.20	-0.39	
7,923.0	3.82	67.69	7,911.4	132.9	198.2	-131.4	0.27	-0.24	1.57	
8,013.0	3.65	67.60	8,001.2	135.1	203.7	-133.6	0.19	-0.19	-0.10	
8,103.0	3.38	69.53	8,091.1	137.2	208.8	-135.5	0.33	-0.30	2.14	
8,192.0	3.34	71.64	8,179.9	138.9	213.7	-137.2	0.15	-0.04	2.37	
8,282.0	3.08	72.26	8,269.8	140.4	218.5	-138.8	0.29	-0.29	0.69	
8,371.0	2.90	71.90	8,358.7	141.9	222.9	-140.2	0.20	-0.20	-0.40	
8,460.0	2.86	73.57	8,447.5	143.2	227.2	-141.5	0.10	-0.04	1.88	
8,550.0	2.73	72.96	8,537.4	144.5	231.4	-142.7	0.15	-0.14	-0.68	
8,640.0	2.55	74.89	8,627.3	145.6	235.4	-143.8	0.22	-0.20	2.14	



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3710.5usft (H&P 466)
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Well:	Merchant State Unit #603H	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)
8,730.0	2.29	74.80	8,717.3	146.6	239.0	-144.8	0.29	-0.29	-0.10
8,819.0	2.15	78.14	8,806.2	147.4	242.4	-145.6	0.21	-0.16	3.75
8,910.0	2.02	81.22	8,897.1	148.0	245.7	-146.1	0.19	-0.14	3.38
8,999.0	1.85	84.12	8,986.1	148.4	248.6	-146.5	0.22	-0.19	3.26
9,089.0	1.85	91.68	9,076.0	148.5	251.5	-146.6	0.27	0.00	8.40
9,179.0	1.58	93.00	9,166.0	148.4	254.2	-146.4	0.30	-0.30	1.47
9,269.0	1.54	98.45	9,256.0	148.2	256.7	-146.2	0.17	-0.04	6.06
9,359.0	1.45	99.50	9,345.9	147.8	259.0	-145.8	0.10	-0.10	1.17
9,449.0	0.88	105.57	9,435.9	147.4	260.8	-145.4	0.65	-0.63	6.74
9,539.0	0.62	102.40	9,525.9	147.1	261.9	-145.1	0.29	-0.29	-3.52
9,628.0	0.35	135.27	9,614.9	146.8	262.6	-144.8	0.42	-0.30	36.93
9,718.0	0.26	197.68	9,704.9	146.4	262.7	-144.4	0.36	-0.10	69.34
9,808.0	0.44	278.62	9,794.9	146.3	262.3	-144.3	0.53	0.20	89.93
9,897.0	0.79	295.50	9,883.9	146.6	261.4	-144.6	0.44	0.39	18.97
9,987.0	1.32	297.61	9,973.9	147.4	259.9	-145.4	0.59	0.59	2.34
10,077.0	1.67	299.19	10,063.8	148.5	257.9	-146.5	0.39	0.39	1.76
10,167.0	1.54	297.61	10,153.8	149.7	255.6	-147.7	0.15	-0.14	-1.76
10,256.0	1.58	289.96	10,242.8	150.7	253.4	-148.7	0.24	0.04	-8.60
10,346.0	1.36	290.84	10,332.7	151.5	251.3	-149.5	0.25	-0.24	0.98
10,436.0	1.27	301.30	10,422.7	152.4	249.4	-150.4	0.28	-0.10	11.62
10,526.0	1.05	321.07	10,512.7	153.5	248.0	-151.6	0.50	-0.24	21.97
10,616.0	0.79	347.53	10,602.7	154.8	247.4	-152.9	0.55	-0.29	29.40
10,705.0	0.88	355.62	10,691.7	156.0	247.2	-154.1	0.17	0.10	9.09
10,795.0	0.22	334.43	10,781.7	156.9	247.1	-155.0	0.76	-0.73	-23.54
10,885.0	0.18	224.48	10,871.7	156.9	246.9	-155.0	0.36	-0.04	-122.17
10,975.0	0.44	319.93	10,961.7	157.1	246.6	-155.2	0.55	0.29	106.06
11,064.0	0.26	346.30	11,050.7	157.6	246.3	-155.7	0.27	-0.20	29.63
11,154.0	0.40	322.39	11,140.7	158.0	246.1	-156.1	0.22	0.16	-26.57
11,244.0	0.31	289.08	11,230.7	158.3	245.7	-156.4	0.25	-0.10	-37.01
11,348.0	0.40	261.22	11,334.7	158.4	245.0	-156.5	0.18	0.09	-26.79
11,438.0	3.12	161.99	11,424.6	156.0	245.5	-154.1	3.57	3.02	-110.26
11,527.0	11.96	168.14	11,512.8	144.6	248.1	-142.7	9.96	9.93	6.91
11,617.0	15.08	187.22	11,600.3	123.9	248.6	-122.0	6.00	3.47	21.20
11,688.8	21.84	185.18	11,668.4	101.3	246.2	-99.4	9.46	9.42	-2.84
FTP @ 11688.8' MD, 100' FNL, 673' FEL									
11,707.0	23.56	184.84	11,685.2	94.3	245.6	-92.4	9.46	9.43	-1.86
11,796.0	37.10	183.70	11,761.8	49.6	242.3	-47.7	15.23	15.21	-1.28
11,886.0	54.42	183.70	11,824.4	-14.5	238.2	16.3	19.24	19.24	0.00
11,976.0	69.41	179.39	11,866.6	-93.6	236.3	95.5	17.18	16.66	-4.79
12,066.0	78.07	179.04	11,891.8	-180.0	237.4	181.8	9.63	9.62	-0.39
12,099.0	79.47	178.25	11,898.2	-212.3	238.2	214.1	4.85	4.24	-2.39
12,189.0	86.20	178.60	11,909.4	-301.5	240.7	303.4	7.49	7.48	0.39
12,279.0	86.86	177.72	11,914.9	-391.3	243.6	393.2	1.22	0.73	-0.98
12,369.0	88.92	175.62	11,918.2	-481.1	248.8	483.0	3.27	2.29	-2.33



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
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 #603H	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)
12,458.0	88.79	181.15	11,920.0	-570.0	251.3	571.9	6.21	-0.15	6.21
12,548.0	90.37	181.42	11,920.6	-660.0	249.3	661.9	1.78	1.76	0.30
12,638.0	91.38	181.68	11,919.3	-749.9	246.8	751.8	1.16	1.12	0.29
12,728.0	91.87	181.33	11,916.7	-839.9	244.5	841.7	0.67	0.54	-0.39
12,817.0	91.78	180.63	11,913.9	-928.8	242.9	930.6	0.79	-0.10	-0.79
12,907.0	91.87	180.36	11,911.0	-1,018.8	242.2	1,020.6	0.32	0.10	-0.30
12,997.0	88.22	179.75	11,910.9	-1,108.7	242.1	1,110.6	4.11	-4.06	-0.68
13,086.0	87.16	179.57	11,914.5	-1,197.7	242.6	1,199.5	1.21	-1.19	-0.20
13,176.0	89.41	178.16	11,917.2	-1,287.6	244.4	1,289.4	2.95	2.50	-1.57
13,266.0	89.45	177.72	11,918.1	-1,377.5	247.6	1,379.4	0.49	0.04	-0.49
13,355.0	89.10	178.08	11,919.2	-1,466.5	250.9	1,468.3	0.56	-0.39	0.40
13,445.0	90.07	177.72	11,919.9	-1,556.4	254.2	1,558.3	1.15	1.08	-0.40
13,534.0	91.21	177.64	11,918.9	-1,645.3	257.8	1,647.3	1.28	1.28	-0.09
13,624.0	91.16	177.64	11,917.0	-1,735.2	261.5	1,737.2	0.06	-0.06	0.00
13,713.0	90.81	177.02	11,915.5	-1,824.1	265.6	1,826.1	0.80	-0.39	-0.70
13,803.0	90.42	177.11	11,914.5	-1,914.0	270.2	1,916.0	0.44	-0.43	0.10
13,893.0	89.23	175.97	11,914.8	-2,003.8	275.7	2,005.9	1.83	-1.32	-1.27
13,983.0	91.08	177.46	11,914.6	-2,093.7	280.8	2,095.8	2.64	2.06	1.66
14,072.0	92.40	178.16	11,911.9	-2,182.6	284.2	2,184.7	1.68	1.48	0.79
14,162.0	92.62	178.16	11,907.9	-2,272.4	287.1	2,274.6	0.24	0.24	0.00
14,252.0	92.88	178.96	11,903.6	-2,362.3	289.4	2,364.4	0.93	0.29	0.89
14,327.3	91.56	179.69	11,900.7	-2,437.5	290.3	2,439.7	2.00	-1.76	0.97
CROSS SEC LINE @ 14327.3' MD, 650' FEL									
14,342.0	91.30	179.83	11,900.3	-2,452.2	290.3	2,454.4	2.00	-1.76	0.97
14,431.0	91.16	180.63	11,898.4	-2,541.2	290.0	2,543.4	0.91	-0.16	0.90
14,521.0	91.38	180.45	11,896.4	-2,631.2	289.1	2,633.3	0.32	0.24	-0.20
14,610.0	90.81	180.19	11,894.7	-2,720.2	288.6	2,722.3	0.70	-0.64	-0.29
14,700.0	90.90	179.83	11,893.4	-2,810.2	288.6	2,812.3	0.41	0.10	-0.40
14,790.0	90.59	178.69	11,892.2	-2,900.1	289.8	2,902.3	1.31	-0.34	-1.27
14,880.0	90.81	178.16	11,891.1	-2,990.1	292.2	2,992.2	0.64	0.24	-0.59
14,969.0	91.52	178.25	11,889.3	-3,079.0	295.0	3,081.2	0.80	0.80	0.10
15,059.0	92.44	177.11	11,886.2	-3,168.9	298.7	3,171.1	1.63	1.02	-1.27
15,149.0	90.46	177.64	11,883.9	-3,258.8	302.8	3,261.0	2.28	-2.20	0.59
15,239.0	89.85	180.01	11,883.7	-3,348.7	304.6	3,351.0	2.72	-0.68	2.63
15,328.0	89.01	180.63	11,884.6	-3,437.7	304.1	3,440.0	1.17	-0.94	0.70
15,418.0	88.53	179.83	11,886.5	-3,527.7	303.8	3,529.9	1.04	-0.53	-0.89
15,508.0	92.13	180.63	11,886.0	-3,617.7	303.4	3,619.9	4.10	4.00	0.89
15,597.0	92.79	180.63	11,882.2	-3,706.6	302.4	3,708.8	0.74	0.74	0.00
15,687.0	92.00	180.89	11,878.4	-3,796.5	301.3	3,798.7	0.92	-0.88	0.29
15,777.0	91.65	180.63	11,875.5	-3,886.5	300.1	3,888.7	0.48	-0.39	-0.29
15,867.0	92.40	179.92	11,872.3	-3,976.4	299.6	3,978.6	1.15	0.83	-0.79
15,956.0	92.26	179.92	11,868.7	-4,065.3	299.8	4,067.5	0.16	-0.16	0.00
16,046.0	90.20	180.89	11,866.8	-4,155.3	299.1	4,157.5	2.53	-2.29	1.08



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
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 #603H	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)
16,135.0	89.27	180.36	11,867.2	-4,244.3	298.1	4,246.5	1.20	-1.04	-0.60
16,225.0	89.89	180.45	11,867.9	-4,334.3	297.5	4,336.5	0.70	0.69	0.10
16,314.0	90.29	180.19	11,867.7	-4,423.3	297.0	4,425.4	0.54	0.45	-0.29
16,404.0	90.51	179.66	11,867.1	-4,513.3	297.1	4,515.4	0.64	0.24	-0.59
16,494.0	90.42	179.13	11,866.4	-4,603.3	298.1	4,605.4	0.60	-0.10	-0.59
16,584.0	87.78	178.96	11,867.8	-4,693.3	299.6	4,695.4	2.94	-2.93	-0.19
16,673.0	86.86	179.31	11,871.9	-4,782.1	300.9	4,784.3	1.11	-1.03	0.39
16,763.0	87.03	178.43	11,876.7	-4,872.0	302.7	4,874.2	0.99	0.19	-0.98
16,852.0	86.81	177.90	11,881.5	-4,960.8	305.5	4,963.0	0.64	-0.25	-0.60
16,942.0	85.89	177.46	11,887.3	-5,050.6	309.2	5,052.8	1.13	-1.02	-0.49
16,969.2	86.39	177.59	11,889.1	-5,077.7	310.3	5,079.9	1.92	1.86	0.49
CROSS SEC LINE @ 16969.2' MD, 651' FEL									
17,032.0	87.56	177.90	11,892.4	-5,140.3	312.8	5,142.6	1.92	1.86	0.49
17,121.0	86.55	177.55	11,897.0	-5,229.2	316.3	5,231.4	1.20	-1.13	-0.39
17,211.0	87.38	178.87	11,901.7	-5,319.0	319.1	5,321.3	1.73	0.92	1.47
17,301.0	87.87	179.31	11,905.5	-5,408.9	320.6	5,411.2	0.73	0.54	0.49
17,391.0	87.25	178.16	11,909.3	-5,498.8	322.6	5,501.1	1.45	-0.69	-1.28
17,481.0	87.87	179.83	11,913.1	-5,588.7	324.1	5,591.0	1.98	0.69	1.86
17,571.0	88.00	179.75	11,916.4	-5,678.6	324.5	5,681.0	0.17	0.14	-0.09
17,660.0	86.86	179.48	11,920.4	-5,767.5	325.1	5,769.9	1.32	-1.28	-0.30
17,750.0	87.56	182.47	11,924.7	-5,857.4	323.5	5,859.7	3.41	0.78	3.32
17,840.0	88.26	182.82	11,928.0	-5,947.2	319.4	5,949.5	0.87	0.78	0.39
17,929.0	87.65	183.09	11,931.2	-6,036.1	314.8	6,038.3	0.75	-0.69	0.30
18,019.0	88.48	180.45	11,934.2	-6,126.0	312.0	6,128.2	3.07	0.92	-2.93
18,109.0	88.18	179.31	11,936.9	-6,215.9	312.2	6,218.1	1.31	-0.33	-1.27
18,198.0	86.73	178.87	11,940.8	-6,304.8	313.6	6,307.0	1.70	-1.63	-0.49
18,288.0	85.71	178.25	11,946.7	-6,394.6	315.9	6,396.8	1.33	-1.13	-0.69
18,378.0	87.91	180.01	11,951.8	-6,484.4	317.2	6,486.7	3.13	2.44	1.96
18,467.0	87.96	180.01	11,955.0	-6,573.4	317.2	6,575.6	0.06	0.06	0.00
18,557.0	86.86	179.66	11,959.0	-6,663.3	317.5	6,665.5	1.28	-1.22	-0.39
18,646.0	84.92	179.04	11,965.4	-6,752.1	318.5	6,754.3	2.29	-2.18	-0.70
18,736.0	86.20	178.78	11,972.4	-6,841.8	320.2	6,844.0	1.45	1.42	-0.29
18,826.0	89.41	179.83	11,975.8	-6,931.7	321.3	6,933.9	3.75	3.57	1.17
18,916.0	88.18	179.83	11,977.7	-7,021.7	321.6	7,023.9	1.37	-1.37	0.00
19,006.0	88.92	179.57	11,980.0	-7,111.6	322.0	7,113.9	0.87	0.82	-0.29
19,095.0	87.87	179.13	11,982.5	-7,200.6	323.0	7,202.9	1.28	-1.18	-0.49
19,185.0	88.18	179.04	11,985.6	-7,290.5	324.5	7,292.8	0.36	0.34	-0.10
19,275.0	86.86	178.60	11,989.5	-7,380.4	326.3	7,382.7	1.55	-1.47	-0.49
19,365.0	85.80	177.72	11,995.2	-7,470.2	329.2	7,472.5	1.53	-1.18	-0.98
19,455.0	87.47	177.64	12,000.5	-7,559.9	332.8	7,562.3	1.86	1.86	-0.09
19,544.0	87.12	177.81	12,004.7	-7,648.8	336.4	7,651.1	0.44	-0.39	0.19
19,612.9	86.32	177.01	12,008.7	-7,717.5	339.5	7,719.9	1.65	-1.17	-1.17
CROSS SEC LINE @ 19612.9' MD, 642' FEL									
19,634.0	86.07	176.76	12,010.1	-7,738.5	340.6	7,740.9	1.65	-1.17	-1.17



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
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 #603H	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)	
19,724.0	86.51	177.55	12,015.9	-7,828.2	345.1	7,830.6	1.00	0.49	0.88	
19,813.0	86.51	178.43	12,021.3	-7,917.0	348.2	7,919.4	0.99	0.00	0.99	
19,903.0	87.74	180.45	12,025.8	-8,006.9	349.1	8,009.3	2.63	1.37	2.24	
19,993.0	86.81	181.06	12,030.1	-8,096.8	347.9	8,099.2	1.24	-1.03	0.68	
20,083.0	88.79	180.63	12,033.6	-8,186.7	346.6	8,189.1	2.25	2.20	-0.48	
20,173.0	87.87	180.71	12,036.2	-8,276.6	345.5	8,279.0	1.03	-1.02	0.09	
20,263.0	86.15	180.01	12,040.9	-8,366.5	344.9	8,368.9	2.06	-1.91	-0.78	
20,353.0	88.79	179.83	12,044.8	-8,456.4	345.1	8,458.8	2.94	2.93	-0.20	
20,442.0	90.55	179.83	12,045.4	-8,545.4	345.3	8,547.8	1.98	1.98	0.00	
20,532.0	87.91	180.36	12,046.6	-8,635.4	345.2	8,637.8	2.99	-2.93	0.59	
20,622.0	90.46	181.42	12,047.9	-8,725.4	343.8	8,727.7	3.07	2.83	1.18	
20,727.0	87.16	180.63	12,050.0	-8,830.3	341.9	8,832.7	3.23	-3.14	-0.75	
20,802.0	90.55	181.86	12,051.5	-8,905.3	340.3	8,907.6	4.81	4.52	1.64	
20,891.0	88.97	181.68	12,051.9	-8,994.2	337.5	8,996.5	1.79	-1.78	-0.20	
20,981.0	84.44	180.10	12,057.1	-9,084.0	336.1	9,086.3	5.33	-5.03	-1.76	
21,071.0	81.10	180.80	12,068.4	-9,173.3	335.4	9,175.6	3.79	-3.71	0.78	
21,161.0	83.03	179.92	12,080.8	-9,262.4	334.9	9,264.7	2.35	2.14	-0.98	
21,261.0	85.76	179.66	12,090.6	-9,361.9	335.2	9,364.2	2.74	2.73	-0.26	
21,340.0	85.63	178.25	12,096.5	-9,440.7	336.7	9,443.0	1.79	-0.16	-1.78	
21,430.0	87.78	177.55	12,101.7	-9,530.5	340.0	9,532.8	2.51	2.39	-0.78	
21,520.0	88.53	175.97	12,104.6	-9,620.3	345.1	9,622.7	1.94	0.83	-1.76	
21,609.0	88.40	176.58	12,107.0	-9,709.1	350.8	9,711.5	0.70	-0.15	0.69	
21,699.0	88.48	177.37	12,109.4	-9,798.9	355.6	9,801.4	0.88	0.09	0.88	
21,789.0	88.70	177.72	12,111.6	-9,888.8	359.4	9,891.3	0.46	0.24	0.39	
21,878.0	88.84	178.25	12,113.6	-9,977.7	362.6	9,980.2	0.62	0.16	0.60	
21,968.0	88.26	178.43	12,115.8	-10,067.7	365.2	10,070.2	0.67	-0.64	0.20	
22,058.0	87.65	177.81	12,119.0	-10,157.6	368.1	10,160.1	0.97	-0.68	-0.69	
22,147.0	87.34	176.93	12,122.9	-10,246.4	372.2	10,248.9	1.05	-0.35	-0.99	
22,155.5	87.26	176.72	12,123.3	-10,254.9	372.7	10,257.4	2.66	-0.89	-2.51	
LTP @ 22155.5' MD, 100' FSL, 627' FEL										
22,182.0	87.03	176.05	12,124.6	-10,281.3	374.3	10,283.8	2.66	-0.89	-2.51	
LAST SVY										
22,240.0	87.03	176.05	12,127.7	-10,339.0	378.3	10,341.6	0.00	0.00	0.00	
PTD @ 22240.0' MD, 16' FSL, 622' FEL										



Microsoft Survey Report



Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Merchant State Unit #603H
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 #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 10_13

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
T2 (Merchant State # - actual wellpath misses target center by 1.9usft at 16409.0usft MD (11867.1 TVD, -4518.3 N, 297.2 E) - Point	0.00	0.01	11,867.1	-4,518.3	295.3	520,905.70	784,461.60	32° 25' 46.456 N	103° 32' 43.247 W
T1 (Merchant State # - actual wellpath misses target center by 10.9usft at 14447.9usft MD (11898.1 TVD, -2558.1 N, 289.8 E) - Point	0.00	0.01	11,903.4	-2,558.1	280.3	522,865.90	784,446.56	32° 26' 5.853 N	103° 32' 43.254 W
FTP (Merchant State ; - actual wellpath misses target center by 144.5usft at 11865.0usft MD (11811.5 TVD, 2.1 N, 239.3 E) - Point	0.00	0.00	11,914.5	101.4	259.4	525,525.40	784,425.70	32° 26' 32.170 N	103° 32' 43.269 W
LTP/PBHL (Merchant - actual wellpath misses target center by 33.9usft at 22153.4usft MD (12123.2 TVD, -10252.8 N, 372.6 E) - Point	0.00	0.00	12,116.9	-10,254.9	339.3	515,169.10	784,505.60	32° 24' 49.690 N	103° 32' 43.227 W

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,688.8	11,668.4	101.3	246.2	FTP @ 11688.8' MD, 100' FNL, 673' FEL
14,327.3	11,900.7	-2,437.5	290.3	CROSS SEC LINE @ 14327.3' MD, 650' FEL
16,969.2	11,889.1	-5,077.7	310.3	CROSS SEC LINE @ 16969.2' MD, 651' FEL
19,612.9	12,008.7	-7,717.5	339.5	CROSS SEC LINE @ 19612.9' MD, 642' FEL
22,155.5	12,123.3	-10,254.9	372.7	LTP @ 22155.5' MD, 100' FSL, 627' FEL
22,182.0	12,124.6	-10,281.3	374.3	LAST SVY
22,240.0	12,127.7	-10,339.0	378.3	PTD @ 22240.0' MD, 16' FSL, 622' FEL

Checked By: _____ Approved By: _____ Date: _____

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 ☐ 2. Name of Operator Advance Energy Partners Hat Mesa 3. Address of Operator 11490 Westheimer Rd, Houston, TX 77077 4. Well Location Unit Letter <u>C</u> : <u>200</u> feet from the <u>N</u> line and <u>1720</u> feet from the <u>W</u> line Section <u>35</u> Township <u>21S</u> Range <u>33E</u> NMPM County <u>LEA</u> 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3685'		WELL API NO. 30-025-46704 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 603H 9. OGRID Number 372417 10. Pool name or Wildcat WC-025 G-06 S213326D; BONE SPRING
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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.
- 10/22/20 – 11/14/20: Perforate from 12,099' – 22,117' (3024). Frac with 24,944,410 lbs sand and 25,620,336 gal fluid.
- 12/13/20 – 12/14/20: Drill all plugs out and clean out to a PBTD of 22,146'
- 01/02/21 - Ready to Produce
- 01/27/21 - Ran 2 7/8" Tubing and gas lift valves. EOT @ 12,020'

Spud Date:

01/19/20

Rig Release Date:

03/18/20

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: 2/17/22

PRINT NAME: Eileen M Kosakowski

E-mail address: ekosakowski@advanceenergypartners.com

PHONE: (832) 672-4604

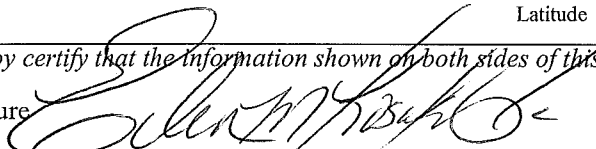
For State Use Only

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. 30-025-46704					
		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			
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER				6. Well Number: 603H			
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	
Surface:	C	35	21S	33E		200	
BH:	N	2	22S	33E		16	
13. Date Spudded 01/19/20	14. Date T.D. Reached 03/15/20	15. Date Rig Released 03/18/20		16. Date Completed (Ready to Produce) 01/02/21		17. Elevations (DF and RKB, RT, GR, etc.) 3685'	
18. Total Measured Depth of Well 22,240		19. Plug Back Measured Depth 22,146		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 12,099-22,117' Bone Springs							
23. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT LB./FT.		DEPTH SET		HOLE SIZE	CEMENTING RECORD	
13.375"	54.4#		1803		17.5"	835	
9.625"	40#		5343/3922		12.25"	2670 1335	
5.5"	20#		22,225		8.5"	3100	
24. LINER RECORD							
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN			
25. TUBING RECORD							
SIZE	DEPTH SET		PACKER SET				
	2 7/8		12,020 N/A				
26. Perforation record (interval, size, and number) 12,099-22,117' -3024 holes							
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.							
DEPTH INTERVAL			AMOUNT AND KIND MATERIAL USED				
12,099-22,117'			24,944,410 lbs sand, 25,620,336 bbls water				
28. PRODUCTION							
Date First Production 01/04/21		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing			Well Status (Prod. or Shut-in) Prod		
Date of Test 02/04/21	Hours Tested 24 Hrs	Choke Size 64	Prod'n For Test Period	Oil - Bbl 599	Gas - MCF 1275	Water - Bbl. 5643	
Flow Tubing Press. 960	Casing Pressure 320	Calculated 24-Hour Rate	Oil - Bbl. 599	Gas - MCF 1275	Water - Bbl. 5643	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: 03/18/20			
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: 2/17/22			
Printed Name: Eileen M Kosakowski		Title: Sr. Eng Tech.		E-mail Address: ekosakowski@advanceenergypartners.com			

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.

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 8548 MD 8535 TVD	T. Entrada	
T. Wolfcamp	T. AV 9089 MD 9076 TVD	T. Wingate	
T. Penn	T. 1SS 10,067 MD 10,054 TVD	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

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

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

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 82351

ACKNOWLEDGMENTS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240	OGRID: 372417
	Action Number: 82351
	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.

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

District IV
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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

CONDITIONS

Action 82351

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240	OGRID: 372417
	Action Number: 82351
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	7/25/2024