

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

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 77077		² OGRID Number 372417	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30 - 025-46327	⁵ Pool Name WC-02 5 G-08 S213340D; BONE SPRING		⁶ Pool Code 97895
⁷ Property Code 325948	⁸ Property Name Wool Head 20 State Com		⁹ Well Number 804H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	20	21S	33E		150	SOUTH	891	EAST	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
I	17	21S	33E		2562	SOUTH	624	EAST	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
	3 Bear Energy, LLC 1512 Larimer St. Suite 540 Denver, CO. 80202	G

IV. Well Completion Data

²¹ Spud Date 11/25/2019	²² Ready Date 07/05/20	²³ TD 19,705	²⁴ PBDT 19,606	²⁵ Perforations 12,331'-19,576'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5"		13.375"		1841	715
12.25"		9.625"		10,623	700
8.5"		5.5"		19,705	1145

V. Well Test Data

³¹ Date New Oil 07/05/20	³² Gas Delivery Date 07/05/20	³³ Test Date 07/21/20	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure 490	³⁶ Csg. Pressure 660
³⁷ Choke Size 50/64	³⁸ Oil 780	³⁹ Water 6795	⁴⁰ Gas 1300		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: <i>Debbie Moughon</i>			OIL CONSERVATION DIVISION		
Printed name: Debbie Moughon			Approved by: KURT SIMMONS		
Title: Eng. Tech			Title: NMOCD, SANTA FE		
E-mail Address: Dmoughon@advanceenergypartners.com			Approval Date: 07/06/2021		
Date: 8/18/20		Phone: 346-444-9739			

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8161 Fax: (505) 393-0780

DISTRICT II

611 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) 334-8178 Fax: (505) 334-8170

DISTRICT IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3400 Fax: (505) 476-3482State 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 30-025-46327	Pool Code 97895	Pool Name WC-025-G-08 S213304D;BONE SPRING
Property Code 325948	Property Name WOOL HEAD 20 STATE COM	Well Number 804H
OGRID No. 372417	Operator Name ADVANCE ENERGY PARTNERS HAT MESA	Elevation 3722'

Surface Location

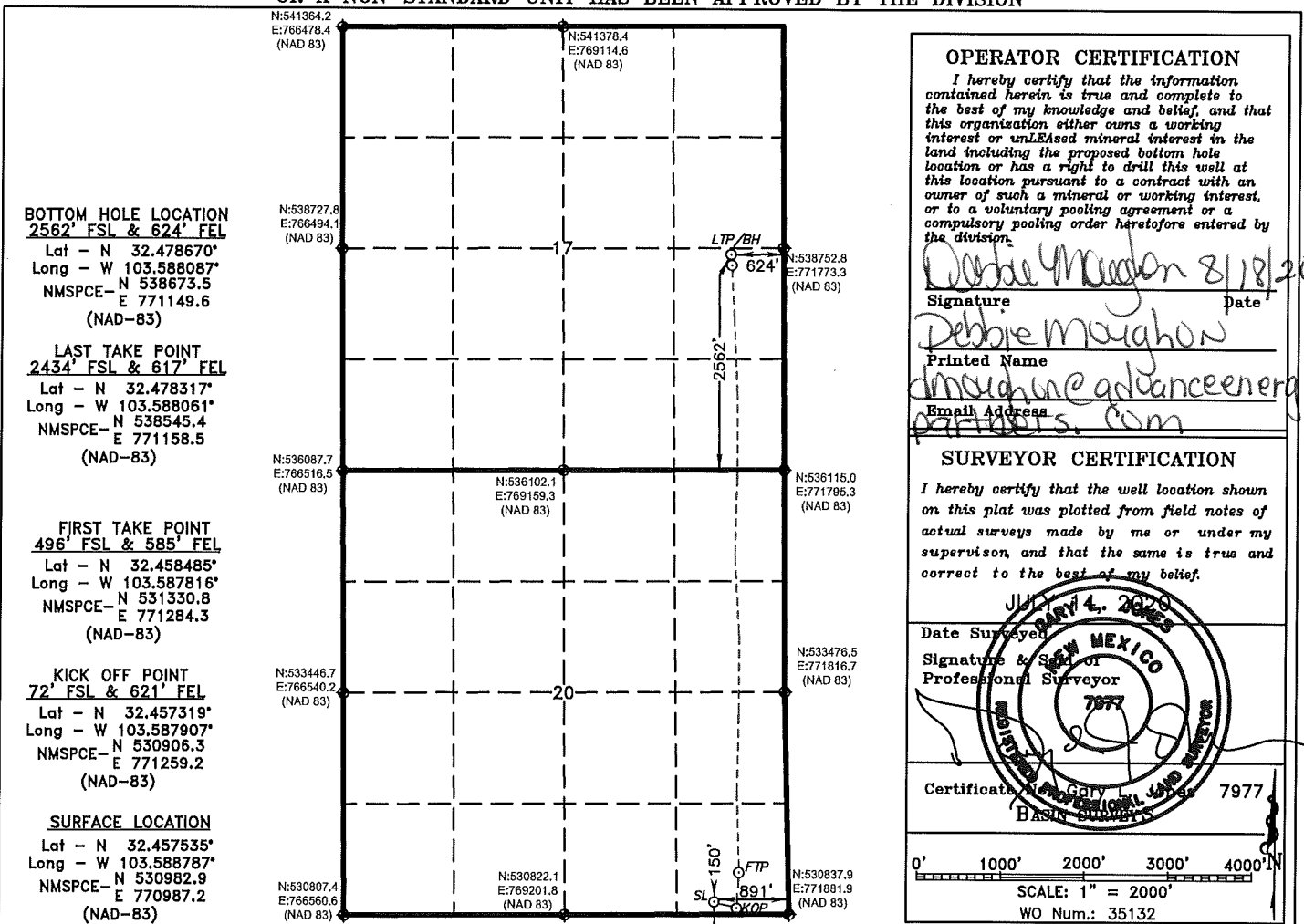
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
P	20	21 S	33 E		150	SOUTH	891	EAST	LEA

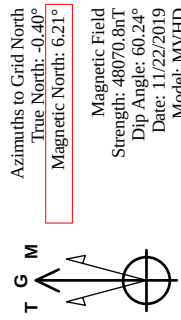
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
I	17	21 S	33 E		2562	SOUTH	624	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
240			

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

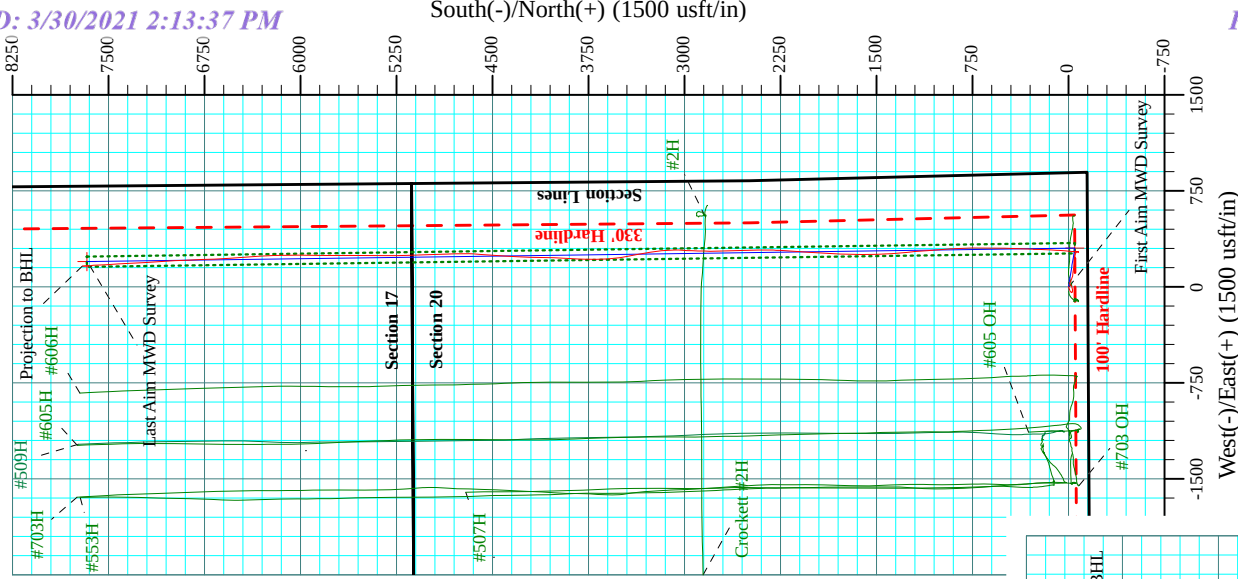
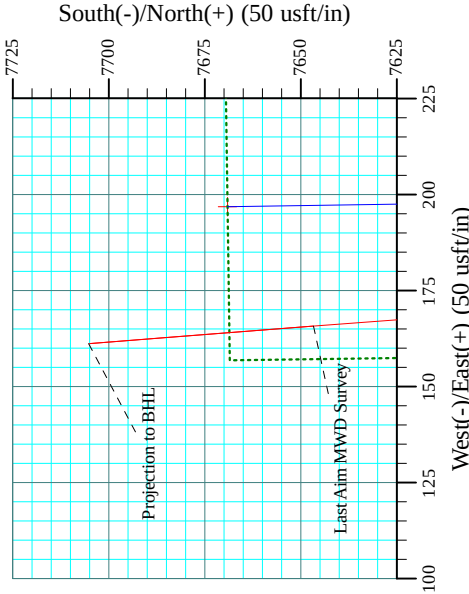




Magnetic North: 6.21° to Grid North

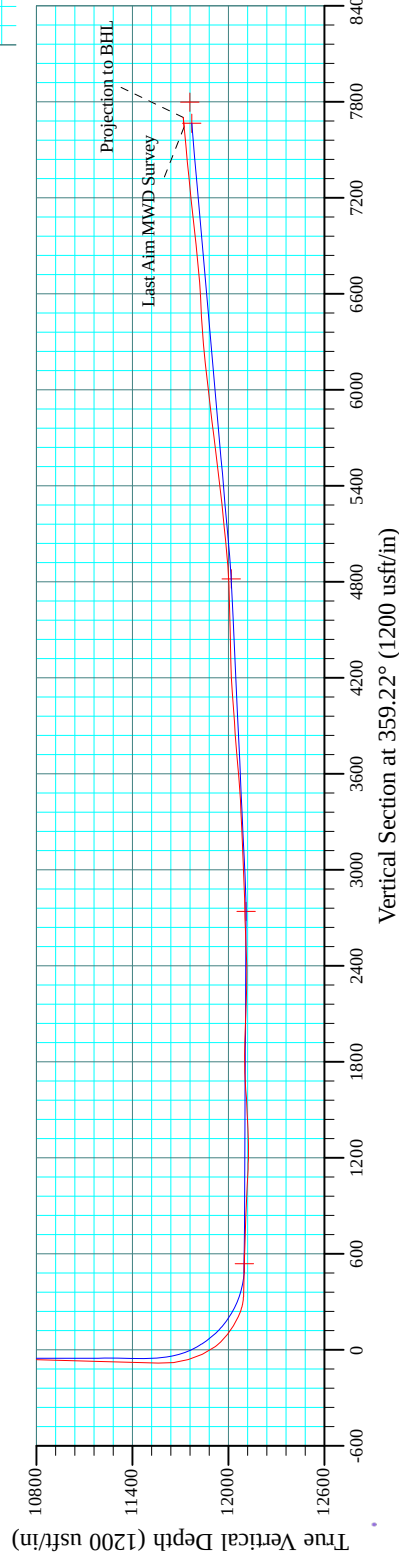
SITE DETAILS: Wool Head 20 State Com 804H	
Site Centre Northing: 530982.90	Eastings: 770987.20
Positional Uncertainty: 0.00	
Convergence: 0.40	
Local North: Grid	

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: 3722GL+26.5KB @ 3748.50usft (H&P 389)	



SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	19661.00	95.52	355.58	11723.84	7646.73	165.77	0.00	0.00	7643.76
2	19720.00	95.52	355.58	11718.16	7705.28	161.24	0.00	0.00	7702.37
					Annotation				
					Last Aim MWD Survey				
					Projection to BHL				

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Latitude
FTP (WH804H)	0.00	-48.50	302.20	530934.40	32° 27' 26.624 N
PBHL r1 (WH804H)	11771.00	7669.10	196.90	538652.00	32° 28' 42.996 N
		Easting		Longitude	
		771289.40		103° 35' 16.111 W	
		771184.10		103° 35' 16.711 W	



Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Wool Head 20 State Com 804H
Project:	Lea County, New Mexico	TVD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Site:	Wool Head 20 State Com 804H	MD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Well:	#804H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

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

Site		Wool Head 20 State Com 804H			
Site Position:		Northing:	530,982.90 usft	Latitude:	32° 27' 27.125 N
From:	Map	Easting:	770,987.20 usft	Longitude:	103° 35' 19.634 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.40 °

Well	#804H - Slot 804H					
Well Position	+N/-S	0.00 usft	Northing:	530,982.90 usft	Latitude:	32° 27' 27.125 N
	+E/-W	0.00 usft	Easting:	770,987.20 usft	Longitude:	103° 35' 19.634 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,722.00 usft

Wellbore	Aim MWD Surveys				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	MVHD	11/25/2019	6.60	60.23	48,065.75768973

Design	Aim MWD Surveys				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	359.22	

Survey Program	Date	12/20/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
235.00	19,720.00	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
235.00	1.32	248.09	234.98	-1.01	-2.51	-0.98	0.56	0.56	0.00
First Aim MWD Survey									
329.00	1.80	250.37	328.94	-1.91	-4.91	-1.84	0.51	0.51	2.43
424.00	1.01	243.16	423.91	-2.79	-7.06	-2.69	0.85	-0.83	-7.59
518.00	0.97	235.87	517.90	-3.61	-8.46	-3.49	0.14	-0.04	-7.76
613.00	1.19	253.27	612.88	-4.34	-10.07	-4.21	0.41	0.23	18.32
707.00	1.05	254.94	706.87	-4.85	-11.83	-4.69	0.15	-0.15	1.78
801.00	0.97	242.81	800.85	-5.44	-13.37	-5.25	0.24	-0.09	-12.90
896.00	1.36	263.82	895.83	-5.93	-15.21	-5.72	0.60	0.41	22.12
991.00	1.49	263.11	990.80	-6.20	-17.56	-5.96	0.14	0.14	-0.75

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Wool Head 20 State Com 804H
Project:	Lea County, New Mexico	TVD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Site:	Wool Head 20 State Com 804H	MD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Well:	#804H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,084.00	1.49	246.94	1,083.77	-6.81	-19.87	-6.54	0.45	0.00	-17.39
1,178.00	1.27	250.28	1,177.74	-7.64	-21.97	-7.34	0.25	-0.23	3.55
1,272.00	1.89	252.57	1,271.71	-8.46	-24.43	-8.13	0.66	0.66	2.44
1,365.00	2.24	241.67	1,364.65	-9.78	-27.50	-9.41	0.56	0.38	-11.72
1,459.00	2.07	249.49	1,458.58	-11.25	-30.70	-10.83	0.36	-0.18	8.32
1,548.00	2.20	227.87	1,547.52	-12.96	-33.48	-12.50	0.91	0.15	-24.29
1,638.00	2.07	231.56	1,637.46	-15.13	-36.03	-14.64	0.21	-0.14	4.10
1,727.00	1.63	226.38	1,726.41	-17.00	-38.21	-16.48	0.53	-0.49	-5.82
1,797.00	1.32	234.29	1,796.39	-18.16	-39.58	-17.62	0.53	-0.44	11.30
1,905.00	0.85	235.47	1,904.37	-19.34	-41.25	-18.77	0.44	-0.44	1.09
1,995.00	0.72	231.55	1,994.36	-20.07	-42.24	-19.49	0.16	-0.14	-4.36
2,085.00	0.86	209.45	2,084.35	-21.01	-43.02	-20.42	0.37	0.16	-24.56
2,175.00	0.48	206.80	2,174.35	-21.93	-43.52	-21.34	0.42	-0.42	-2.94
2,264.00	0.60	170.46	2,263.34	-22.72	-43.61	-22.13	0.40	0.13	-40.83
2,354.00	0.60	190.63	2,353.34	-23.65	-43.62	-23.06	0.23	0.00	22.41
2,444.00	0.56	171.42	2,443.33	-24.55	-43.64	-23.95	0.22	-0.04	-21.34
2,533.00	0.44	158.73	2,532.33	-25.30	-43.45	-24.70	0.18	-0.13	-14.26
2,623.00	0.29	145.89	2,622.33	-25.81	-43.20	-25.22	0.19	-0.17	-14.27
2,713.00	0.62	156.56	2,712.33	-26.44	-42.88	-25.86	0.38	0.37	11.86
2,802.00	0.60	146.81	2,801.32	-27.28	-42.43	-26.70	0.12	-0.02	-10.96
2,891.00	0.55	129.09	2,890.32	-27.94	-41.85	-27.36	0.21	-0.06	-19.91
2,981.00	1.33	106.77	2,980.30	-28.51	-40.51	-27.95	0.94	0.87	-24.80
3,071.00	1.61	105.08	3,070.27	-29.14	-38.29	-28.62	0.31	0.31	-1.88
3,160.00	1.76	100.87	3,159.24	-29.72	-35.74	-29.23	0.22	0.17	-4.73
3,250.00	2.16	98.69	3,249.18	-30.24	-32.71	-29.79	0.45	0.44	-2.42
3,340.00	2.25	90.13	3,339.12	-30.50	-29.26	-30.10	0.38	0.10	-9.51
3,429.00	2.53	91.53	3,428.04	-30.56	-25.55	-30.21	0.32	0.31	1.57
3,518.00	2.47	84.48	3,516.95	-30.42	-21.68	-30.13	0.35	-0.07	-7.92
3,608.00	2.41	81.38	3,606.87	-29.95	-17.88	-29.71	0.16	-0.07	-3.44
3,697.00	2.79	70.43	3,695.50	-25.90	-2.18	-25.86	0.17	0.11	-3.05
4,056.00	2.98	69.26	4,054.39	-24.35	2.02	-24.38	0.22	0.21	-1.31
4,146.00	1.67	51.22	4,144.32	-22.70	5.23	-22.77	1.65	-1.46	-20.04
4,236.00	1.50	50.02	4,234.28	-21.12	7.16	-21.22	0.19	-0.19	-1.33
4,415.00	1.51	53.72	4,413.22	-18.22	10.85	-18.37	0.05	0.01	2.07
4,505.00	1.73	58.47	4,503.18	-16.81	12.97	-16.98	0.29	0.24	5.28
4,684.00	1.69	49.02	4,682.11	-13.67	17.26	-13.90	0.16	-0.02	-5.28
4,774.00	1.50	44.21	4,772.07	-11.95	19.09	-12.21	0.26	-0.21	-5.34
4,864.00	1.53	44.68	4,862.04	-10.25	20.75	-10.53	0.04	0.03	0.52
4,953.00	1.60	92.92	4,951.01	-9.47	22.83	-9.78	1.44	0.08	54.20
5,043.00	2.01	103.14	5,040.96	-9.89	25.62	-10.24	0.58	0.46	11.36
5,132.00	1.89	99.99	5,129.91	-10.50	28.59	-10.89	0.18	-0.13	-3.54
5,311.00	1.67	110.27	5,308.83	-11.92	33.94	-12.38	0.22	-0.12	5.74
5,491.00	1.89	117.39	5,488.74	-14.19	39.04	-14.72	0.17	0.12	3.96

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Wool Head 20 State Com 804H
Project:	Lea County, New Mexico	TVD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Site:	Wool Head 20 State Com 804H	MD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Well:	#804H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,670.00	4.48	114.84	5,667.45	-18.49	48.00	-19.14	1.45	1.45	-1.42
5,850.00	4.26	110.80	5,846.93	-23.82	60.63	-24.64	0.21	-0.12	-2.24
6,029.00	4.22	110.10	6,025.44	-28.44	73.03	-29.43	0.04	-0.02	-0.39
6,208.00	4.75	98.93	6,203.89	-31.85	86.54	-33.03	0.57	0.30	-6.24
6,388.00	4.75	96.83	6,383.27	-33.90	101.30	-35.27	0.10	0.00	-1.17
6,567.00	4.62	97.88	6,561.67	-35.77	115.80	-37.34	0.09	-0.07	0.59
6,747.00	4.35	96.91	6,741.12	-37.58	129.76	-39.34	0.16	-0.15	-0.54
6,926.00	4.22	96.39	6,919.62	-39.13	143.04	-41.08	0.08	-0.07	-0.29
7,105.00	4.22	100.60	7,098.14	-41.08	156.06	-43.20	0.17	0.00	2.35
7,284.00	3.69	101.04	7,276.71	-43.39	168.19	-45.68	0.30	-0.30	0.25
7,464.00	3.34	101.66	7,456.37	-45.56	179.01	-47.99	0.20	-0.19	0.34
7,643.00	3.16	102.54	7,635.08	-47.68	188.93	-50.25	0.10	-0.10	0.49
7,823.00	3.12	106.32	7,814.81	-50.14	198.48	-52.84	0.12	-0.02	2.10
7,913.00	3.91	89.97	7,904.65	-50.82	203.89	-53.60	1.41	0.88	-18.17
8,002.00	4.40	88.74	7,993.41	-50.75	210.34	-53.61	0.56	0.55	-1.38
8,092.00	4.00	86.01	8,083.17	-50.45	216.93	-53.40	0.50	-0.44	-3.03
8,182.00	3.65	85.22	8,172.97	-50.00	222.91	-53.03	0.39	-0.39	-0.88
8,271.00	3.38	85.93	8,261.80	-49.57	228.35	-52.68	0.31	-0.30	0.80
8,361.00	3.12	88.74	8,351.66	-49.33	233.45	-52.51	0.34	-0.29	3.12
8,451.00	2.86	85.31	8,441.53	-49.09	238.13	-52.33	0.35	-0.29	-3.81
8,540.00	3.34	99.37	8,530.41	-49.34	242.90	-52.64	1.01	0.54	15.80
8,630.00	3.82	105.79	8,620.23	-50.58	248.38	-53.95	0.69	0.53	7.13
8,720.00	3.60	106.23	8,710.04	-52.18	253.97	-55.64	0.25	-0.24	0.49
8,810.00	3.38	110.01	8,799.87	-53.88	259.18	-57.40	0.35	-0.24	4.20
8,900.00	3.12	110.10	8,889.73	-55.63	263.97	-59.22	0.29	-0.29	0.10
8,989.00	2.68	113.35	8,978.62	-57.29	268.16	-60.93	0.53	-0.49	3.65
9,079.00	1.93	87.60	9,068.54	-58.06	271.60	-61.75	1.40	-0.83	-28.61
9,168.00	1.76	68.00	9,157.50	-57.48	274.37	-61.21	0.73	-0.19	-22.02
9,258.00	1.27	76.26	9,247.47	-56.73	276.62	-60.49	0.59	-0.54	9.18
9,348.00	0.70	79.42	9,337.45	-56.39	278.13	-60.17	0.64	-0.63	3.51
9,438.00	0.18	349.25	9,427.45	-56.15	278.64	-59.94	0.80	-0.58	-100.19
9,527.00	0.66	323.58	9,516.45	-55.60	278.31	-59.38	0.57	0.54	-28.84
9,617.00	0.62	332.11	9,606.44	-54.75	277.78	-58.53	0.11	-0.04	9.48
9,707.00	0.70	15.79	9,696.44	-53.79	277.70	-57.57	0.55	0.09	48.53
9,797.00	0.66	45.67	9,786.43	-52.90	278.22	-56.69	0.39	-0.04	33.20
9,886.00	0.62	90.50	9,875.43	-52.55	279.07	-56.34	0.55	-0.04	50.37
9,976.00	0.75	78.19	9,965.42	-52.43	280.13	-56.24	0.22	0.14	-13.68
10,065.00	0.57	110.54	10,054.41	-52.47	281.11	-56.29	0.46	-0.20	36.35
10,155.00	0.22	142.53	10,144.41	-52.76	281.64	-56.59	0.45	-0.39	35.54
10,245.00	0.18	279.37	10,234.41	-52.88	281.60	-56.71	0.41	-0.04	152.04
10,335.00	0.31	295.02	10,324.41	-52.75	281.24	-56.58	0.16	0.14	17.39
10,424.00	0.40	241.67	10,413.41	-52.80	280.75	-56.61	0.37	0.10	-59.94
10,514.00	0.70	251.07	10,503.41	-53.12	279.96	-56.93	0.35	0.33	10.44

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Wool Head 20 State Com 804H
Project:	Lea County, New Mexico	TVD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Site:	Wool Head 20 State Com 804H	MD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Well:	#804H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,563.00	1.10	240.97	10,552.40	-53.45	279.26	-57.25	0.88	0.82	-20.61
10,723.00	1.32	216.27	10,712.37	-55.68	276.83	-59.44	0.35	0.14	-15.44
10,818.00	2.02	220.22	10,807.32	-57.84	275.10	-61.58	0.75	0.74	4.16
10,912.00	2.02	203.00	10,901.27	-60.63	273.38	-64.35	0.64	0.00	-18.32
11,006.00	1.32	191.57	10,995.23	-63.22	272.52	-66.92	0.82	-0.74	-12.16
11,101.00	1.71	190.25	11,090.19	-65.68	272.05	-69.38	0.41	0.41	-1.39
11,196.00	1.41	174.43	11,185.16	-68.24	271.91	-71.94	0.55	-0.32	-16.65
11,290.00	1.76	177.42	11,279.12	-70.84	272.09	-74.53	0.38	0.37	3.18
11,385.00	1.76	180.32	11,374.08	-73.75	272.14	-77.45	0.09	0.00	3.05
11,480.00	1.67	185.59	11,469.03	-76.59	272.00	-80.28	0.19	-0.09	5.55
11,573.00	1.45	199.75	11,562.00	-79.04	271.47	-82.73	0.48	-0.24	15.23
11,668.00	5.71	26.51	11,656.87	-75.94	273.18	-79.65	7.53	4.48	-182.36
11,763.00	18.20	359.97	11,749.68	-56.79	275.29	-60.53	14.03	13.15	-27.94
11,857.00	24.26	3.84	11,837.26	-22.81	276.57	-26.57	6.61	6.45	4.12
11,952.00	36.84	6.39	11,918.92	25.16	281.07	21.33	13.31	13.24	2.68
12,047.00	51.91	3.05	11,986.63	91.19	286.26	87.28	16.05	15.86	-3.52
12,141.00	59.12	2.52	12,039.82	168.53	290.01	164.56	7.68	7.67	-0.56
12,236.00	71.65	1.73	12,079.31	254.66	293.17	250.65	13.21	13.19	-0.83
12,331.00	88.79	3.05	12,095.39	347.85	297.09	343.77	18.09	18.04	1.39
12,425.00	88.22	0.76	12,097.84	441.76	300.21	437.63	2.51	-0.61	-2.44
12,519.00	88.97	1.29	12,100.15	535.71	301.89	531.55	0.98	0.80	0.56
12,614.00	87.78	359.79	12,102.84	630.67	302.79	626.49	2.01	-1.25	-1.58
12,709.00	88.09	0.32	12,106.26	725.60	302.88	721.41	0.65	0.33	0.56
12,804.00	88.79	358.74	12,108.85	820.56	302.10	816.37	1.82	0.74	-1.66
12,898.00	86.64	355.31	12,112.60	914.34	297.23	910.21	4.30	-2.29	-3.65
12,993.00	86.33	355.66	12,118.42	1,008.87	289.76	1,004.83	0.49	-0.33	0.37
13,087.00	87.87	356.37	12,123.18	1,102.52	283.24	1,098.56	1.80	1.64	0.76
13,182.00	89.89	355.22	12,125.04	1,197.24	276.28	1,193.36	2.45	2.13	-1.21
13,276.00	90.24	354.78	12,124.93	1,290.88	268.08	1,287.11	0.60	0.37	-0.47
13,371.00	92.26	356.45	12,122.86	1,385.57	260.82	1,381.89	2.76	2.13	1.76
13,465.00	93.14	357.95	12,118.43	1,479.35	256.24	1,475.72	1.85	0.94	1.60
13,560.00	93.23	357.95	12,113.15	1,574.14	252.84	1,570.55	0.09	0.09	0.00
13,655.00	93.01	1.82	12,107.98	1,668.98	252.65	1,665.39	4.07	-0.23	4.07
13,749.00	91.52	1.38	12,104.26	1,762.87	255.27	1,759.23	1.65	-1.59	-0.47
13,843.00	90.55	4.45	12,102.56	1,856.72	260.05	1,853.01	3.42	-1.03	3.27
13,938.00	88.79	3.92	12,103.11	1,951.46	266.99	1,947.65	1.93	-1.85	-0.56
14,032.00	87.38	2.87	12,106.25	2,045.24	272.55	2,041.34	1.87	-1.50	-1.12
14,127.00	87.60	3.75	12,110.41	2,139.99	278.03	2,136.01	0.95	0.23	0.93
14,222.00	87.87	3.57	12,114.17	2,234.72	284.09	2,230.65	0.34	0.28	-0.19
14,316.00	89.93	0.50	12,115.97	2,328.63	287.43	2,324.50	3.93	2.19	-3.27
14,410.00	91.87	359.44	12,114.50	2,422.61	287.38	2,418.48	2.35	2.06	-1.13
14,505.00	92.18	358.04	12,111.14	2,517.53	285.29	2,513.41	1.51	0.33	-1.47
14,599.00	92.70	358.21	12,107.14	2,611.39	282.22	2,607.31	0.58	0.55	0.18
14,693.00	91.12	358.48	12,104.00	2,705.30	279.50	2,701.24	1.71	-1.68	0.29

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Wool Head 20 State Com 804H
Project:	Lea County, New Mexico	TVD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Site:	Wool Head 20 State Com 804H	MD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Well:	#804H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,788.00	91.16	0.50	12,102.11	2,800.27	278.66	2,796.22	2.13	0.04	2.13
14,882.00	92.18	1.64	12,099.38	2,894.21	280.41	2,890.12	1.63	1.09	1.21
14,977.00	92.88	3.40	12,095.18	2,989.02	284.58	2,984.87	1.99	0.74	1.85
15,071.00	91.30	359.97	12,091.75	3,082.90	287.34	3,078.70	4.02	-1.68	-3.65
15,166.00	92.84	354.70	12,088.32	3,177.70	282.93	3,173.55	5.78	1.62	-5.55
15,260.00	92.88	350.21	12,083.63	3,270.75	270.61	3,266.76	4.77	0.04	-4.78
15,355.00	92.53	349.25	12,079.14	3,364.12	253.69	3,360.35	1.07	-0.37	-1.01
15,449.00	92.70	350.21	12,074.85	3,456.52	236.95	3,452.97	1.04	0.18	1.02
15,544.00	95.03	352.67	12,068.45	3,550.23	222.84	3,546.87	3.56	2.45	2.59
15,638.00	95.34	359.09	12,059.95	3,643.55	216.12	3,640.27	6.81	0.33	6.83
15,733.00	94.51	0.58	12,051.79	3,738.20	215.85	3,734.91	1.79	-0.87	1.57
15,827.00	93.76	2.34	12,045.01	3,831.92	218.24	3,828.59	2.03	-0.80	1.87
15,921.00	94.15	3.40	12,038.53	3,925.58	222.93	3,922.18	1.20	0.41	1.13
16,016.00	93.98	1.55	12,031.79	4,020.24	227.02	4,016.78	1.95	-0.18	-1.95
16,110.00	94.55	0.94	12,024.80	4,113.96	229.06	4,110.46	0.89	0.61	-0.65
16,205.00	92.48	1.82	12,018.98	4,208.75	231.34	4,205.21	2.37	-2.18	0.93
16,300.00	91.03	2.78	12,016.07	4,303.62	235.15	4,300.02	1.83	-1.53	1.01
16,394.00	91.43	3.40	12,014.05	4,397.46	240.22	4,393.79	0.78	0.43	0.66
16,489.00	91.34	3.92	12,011.75	4,492.24	246.28	4,488.47	0.56	-0.09	0.55
16,583.00	91.43	4.45	12,009.48	4,585.96	253.14	4,582.09	0.57	0.10	0.56
16,678.00	91.25	2.17	12,007.26	4,680.77	258.62	4,676.82	2.41	-0.19	-2.40
16,772.00	92.79	358.39	12,003.95	4,774.69	259.08	4,770.73	4.34	1.64	-4.02
16,866.00	92.84	357.68	11,999.33	4,868.53	255.86	4,864.59	0.76	0.05	-0.76
16,961.00	95.38	358.74	11,992.52	4,963.23	252.90	4,959.32	2.90	2.67	1.12
17,055.00	95.65	357.95	11,983.49	5,056.75	250.20	5,052.88	0.88	0.29	-0.84
17,149.00	95.60	357.51	11,974.27	5,150.22	246.50	5,146.39	0.47	-0.05	-0.47
17,244.00	95.69	359.44	11,964.93	5,244.73	243.98	5,240.92	2.02	0.09	2.03
17,339.00	96.26	0.50	11,955.04	5,339.21	243.93	5,335.39	1.26	0.60	1.12
17,433.00	96.88	0.15	11,944.28	5,432.59	244.46	5,428.76	0.76	0.66	-0.37
17,528.00	97.05	0.06	11,932.76	5,526.89	244.63	5,523.04	0.20	0.18	-0.09
17,622.00	97.49	359.88	11,920.87	5,620.13	244.58	5,616.28	0.51	0.47	-0.19
17,717.00	97.01	0.58	11,908.88	5,714.37	244.96	5,710.51	0.89	-0.51	0.74
17,811.00	97.10	0.41	11,897.33	5,807.65	245.77	5,803.77	0.20	0.10	-0.18
17,906.00	96.13	0.94	11,886.39	5,902.01	246.88	5,898.11	1.16	-1.02	0.56
18,023.00	96.22	359.97	11,873.80	6,018.33	247.81	6,014.40	0.83	0.08	-0.83
18,117.00	97.27	359.44	11,862.76	6,111.68	247.33	6,107.74	1.25	1.12	-0.56
18,212.00	94.99	357.51	11,852.62	6,206.09	244.81	6,202.18	3.14	-2.40	-2.03
18,306.00	95.56	357.77	11,843.98	6,299.61	240.95	6,295.75	0.67	0.61	0.28
18,401.00	93.76	354.87	11,836.26	6,394.09	234.87	6,390.30	3.58	-1.89	-3.05
18,495.00	92.70	356.10	11,830.96	6,487.64	227.49	6,483.95	1.73	-1.13	1.31
18,590.00	92.75	355.75	11,826.44	6,582.30	220.74	6,578.68	0.37	0.05	-0.37
18,684.00	94.29	359.27	11,820.67	6,676.01	216.67	6,672.44	4.08	1.64	3.74
18,779.00	95.25	357.51	11,812.77	6,770.64	214.01	6,767.10	2.10	1.01	-1.85

Aim Directional Services, LLC

Survey Report

Company:	Advance Energy Partners, LLC	Local Co-ordinate Reference:	Site Wool Head 20 State Com 804H
Project:	Lea County, New Mexico	TVD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Site:	Wool Head 20 State Com 804H	MD Reference:	3722'GL+26.5'KB @ 3748.50usft (H&P 389)
Well:	#804H	North Reference:	Grid
Wellbore:	Aim MWD Surveys	Survey Calculation Method:	Minimum Curvature
Design:	Aim MWD Surveys	Database:	EDM 5000.14 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,874.00	96.48	356.63	11,803.06	6,865.02	209.18	6,861.53	1.59	1.29	-0.93	
18,968.00	95.60	357.68	11,793.17	6,958.38	204.54	6,954.95	1.45	-0.94	1.12	
19,063.00	95.87	357.77	11,783.68	7,052.83	200.79	7,049.44	0.30	0.28	0.09	
19,158.00	97.36	355.93	11,772.74	7,147.05	195.60	7,143.72	2.48	1.57	-1.94	
19,252.00	95.78	355.75	11,761.98	7,240.18	188.83	7,236.94	1.69	-1.68	-0.19	
19,346.00	95.08	357.42	11,753.08	7,333.59	183.26	7,330.41	1.92	-0.74	1.78	
19,441.00	95.69	356.89	11,744.17	7,428.05	178.56	7,424.93	0.85	0.64	-0.56	
19,535.00	94.99	357.25	11,735.42	7,521.52	173.78	7,518.46	0.84	-0.74	0.38	
19,630.00	95.43	355.84	11,726.79	7,615.95	168.08	7,612.96	1.55	0.46	-1.48	
19,661.00	95.52	355.58	11,723.84	7,646.73	165.77	7,643.76	0.88	0.29	-0.84	
Last Aim MWD Survey										
19,720.00	95.52	355.58	11,718.16	7,705.28	161.24	7,702.37	0.00	0.00	0.00	
Projection to BHL										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
235.00	234.98	-1.01	-2.51	First Aim MWD Survey	
19,661.00	11,723.84	7,646.73	165.77	Last Aim MWD Survey	
19,720.00	11,718.16	7,705.28	161.24	Projection to BHL	

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. 30-025-46327								
		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 Wool Head 20 State Com								
		6. Well Number: 804H								
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 #97895-IWC-025 G-08 S213304D: BONE SPRINGS KZ							
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	P	20	21S	33E		150	SOUTH	891	EAST	LEA
BH:	I	17	21S	33E		2562	SOUTH	624	EAST	LEA
13. Date Spudded 11/25/2019	14. Date T.D. Reached 12/23/2019	15. Date Rig Released 12/24/2019		16. Date Completed (Ready to Produce) 7-5-20		17. Elevations (DF and RKB, RT, GR, etc.) 3722'				
18. Total Measured Depth of Well 19,705		19. Plug Back Measured Depth 19,606		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 12,331'-19,576										
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#		1841		17.5		715		
9.625"		40#		10,623		12.25		700		
5.5"		20#		19,705		8.5		1145		
24. LINER RECORD										
SIZE	TOP	BOTTOM		SACKS CEMENT		SCREEN				
26. Perforation record (interval, size, and number) 12,331'-19,576'						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 18,215,144 lbs sand, 24,085,320 bbls water				
28. PRODUCTION										
Date First Production 07/05/20		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Prod				
Date of Test 07/21/20	Hours Tested 24	Choke Size 50/64	Prod'n For Test Period	Oil - Bbl 780	Gas - MCF 1300	Water - Bbl. 6795	Gas - Oil Ratio 1666			
Flow Tubing Press. 490	Casing Pressure 660	Calculated 24-Hour Rate	Oil - Bbl. 780	Gas - MCF 1300	Water - Bbl. 6795	Oil Gravity - API - (Corr.) 42				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						30. Test Witnessed By Barron 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: 12/21/19				
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 Debbie Moughon				Date: 8/18/20						
Printed Name Debbie Moughon				Title: Eng. Tech.		E-mail Address: dmoughon@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. 155 9971 MD 9960 TV	T. Entrada	
T. Wolfcamp	T. 255 10599 MD 10548 TV	T. Wingate	
T. Penn	T.	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

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 22365

ACKNOWLEDGMENTS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 22365
	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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CONDITIONS

Action 22365

CONDITIONS

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	Action Number: 22365
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	7/6/2021