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	[2] OGRID Number
Advance Energy Partners Hat Mesa, LLC 11490 Westheimer RD, Suite 950 Houston, TX	372417
	[3] Reason for Filing Code/ Effective Date NW

[4] API Number	[5] Pool Name	[6] Pool Code
30-025-48899	WC-025 G-06 S213326D;BONE SPRING	97929

[7] Property Code	[8] Property Name	[9] Well Number
319601	DAGGER STATE COM	516H

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
3	30	21S	33E		2620	SOUTH	800	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
1	19	21S	33E		50	NORTH	1202	WEST	Lea

[12] Lse Code	[13] Producing Method Code	[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, LP 10 Desta Drive, Suite 200E Midland, TX 79705	O
330291	3 Bear Energy-Cottonwood, LLC 1512 Larimer Street, Suite 540 Denver, CO 80202	G

IV. Well Completion Data

[21] Spud Date	[22] Ready Date	[23] TD	[24] PBTD	[25] Perforations	[26] DHC, MC
4/7/2022	10/23/2022	18,441’	18,350’	10,694’ – 18,340’	

[27] Hole Size	[28] Casing & Tubing Size	[29] Depth Set	[30] Sacks Cement
17.5”	13.375”	1,598’	910
12.25”	9.625”	3,774’/5,470’	1620
8.5”	5.5”	18,426’	3620

V. Well Test Data

[31] Date New Oil	[32] Gas Delivery Date	[33] Test Date	[34] Test Length	[35] Tbg. Pressure	[36] Csg. Pressure
10/24/22	10/23/22	12/25/22	24 HRS	N/A	180
[37] Choke Size	**[38] Oil**	**[39] Water**	**[40] Gas**		**[41] Test Method**
128	487	1913	585		F

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

Signature: Eileen M Kosakowski

Printed name: Eileen M Kosakowski

Title: Sr. Eng. Tech

E-mail Address: ekosakowski@advanceenergypartners.com

Date: 2/9/2023

Phone: 832-672-4604

OIL CONSERVATION DIVISION

Approved by: *PATRICIA MARTINEZ*

Title: *PETROLEUM SPECIALIST*

Approval Date: *5/29/2024*

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

AS Drilled

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-48899	97929	WC-025 G-06 S213326D;BONE SPRING

[4]Property Code	[5]Property Name	[6]Well Number
319601	DAGGER STATE COM	516H

[7]OGRID No.	[8]Operator Name	[9]Elevation
372417	ADVANCE ENERGY PARTNERS, LLC	3817'

[10]Surface Location

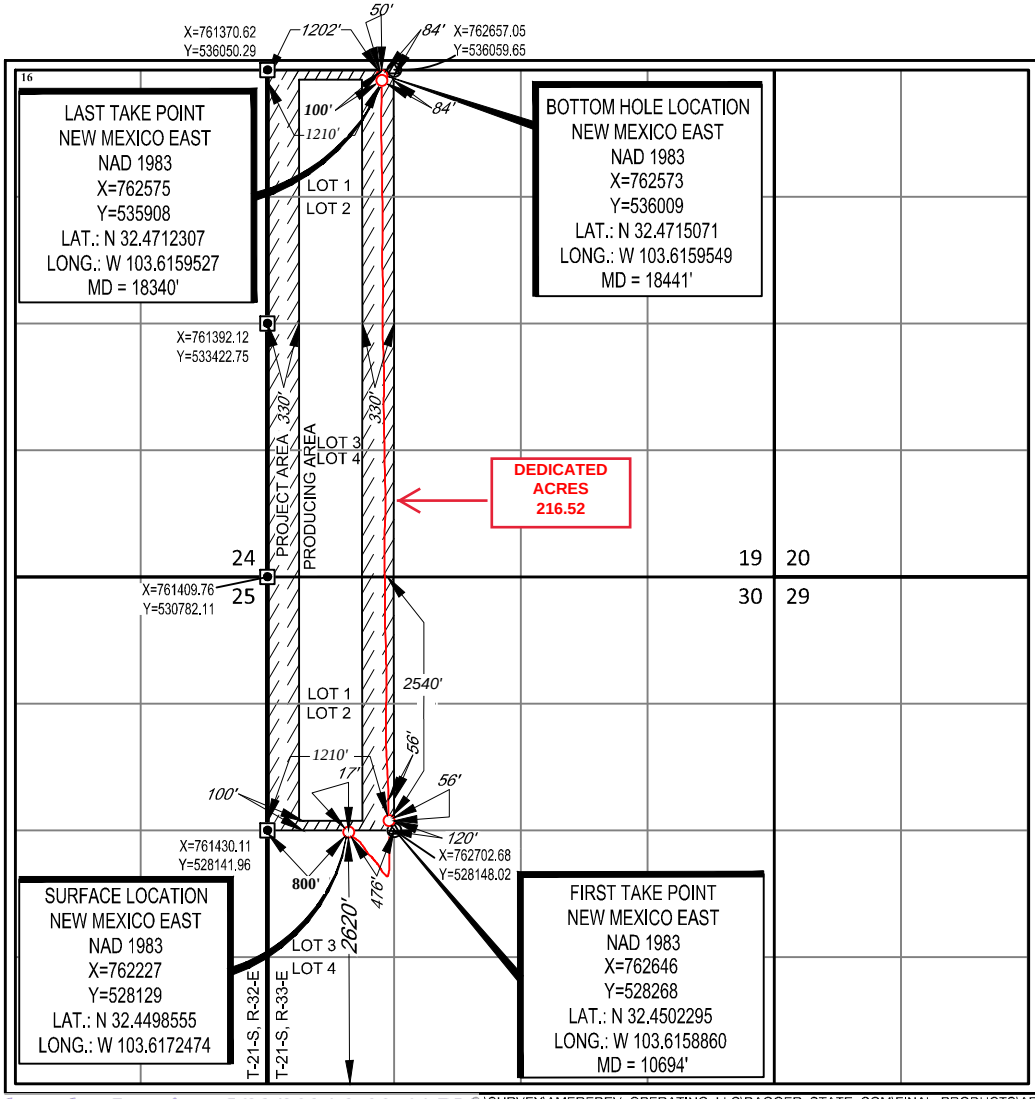
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	30	21-S	33-E	–	2620'	SOUTH	800'	WEST	LEA

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	19	21-S	33-E	–	50'	NORTH	1202'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
216.52		C	NSL-8424

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.



[17]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 unleased 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.

Eileen M Kosakowski 1/25/2023
Signature Date

Eileen M Kosakowski
Printed Name

ekosakowski@advanceenergypartners.com
E-mail Address

[18]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 to the best of my belief.

07/29/2022
Date of Survey
Signature and Seal of Professional Surveyor

NEW MEXICO ANGEL M. BAEZA 25116 PROFESSIONAL SURVEYOR

Certificate Number

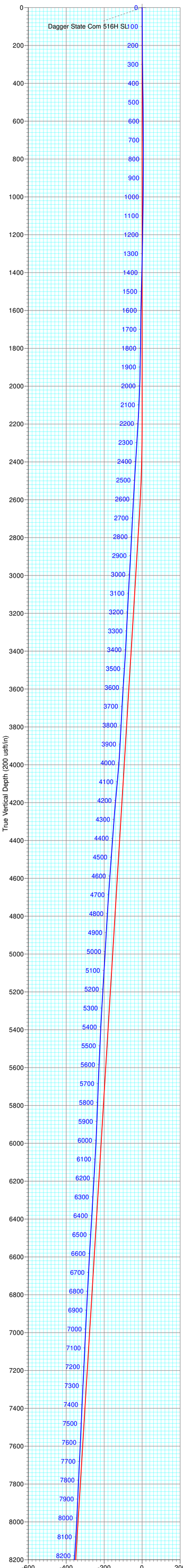
C:\SURVEY\AMEREDEV_OPERATING_LLC\DAGGER_STATE_COM\FINAL_PRODUCTS\AD_DAGGER_STATE_COM_516H.DWG 1/20/2023 8:24:52 AM juliana.franklin

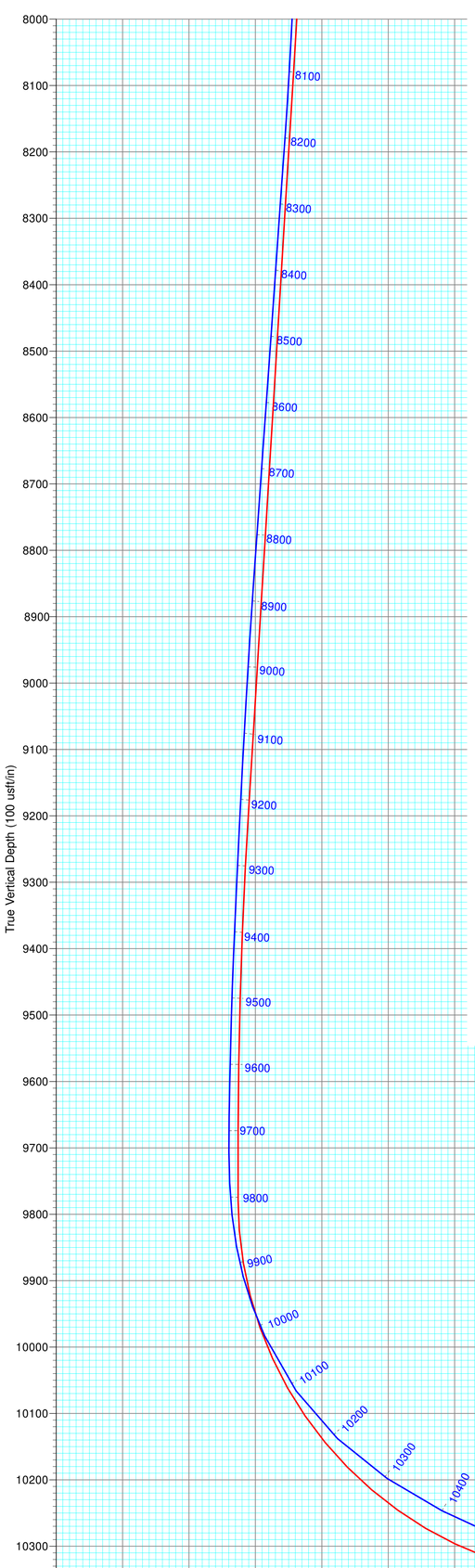
M22182
ADVANCE ENERGY PARTNERS
Dagger State Com 516H
New Mexico
Lea
Nabors X12

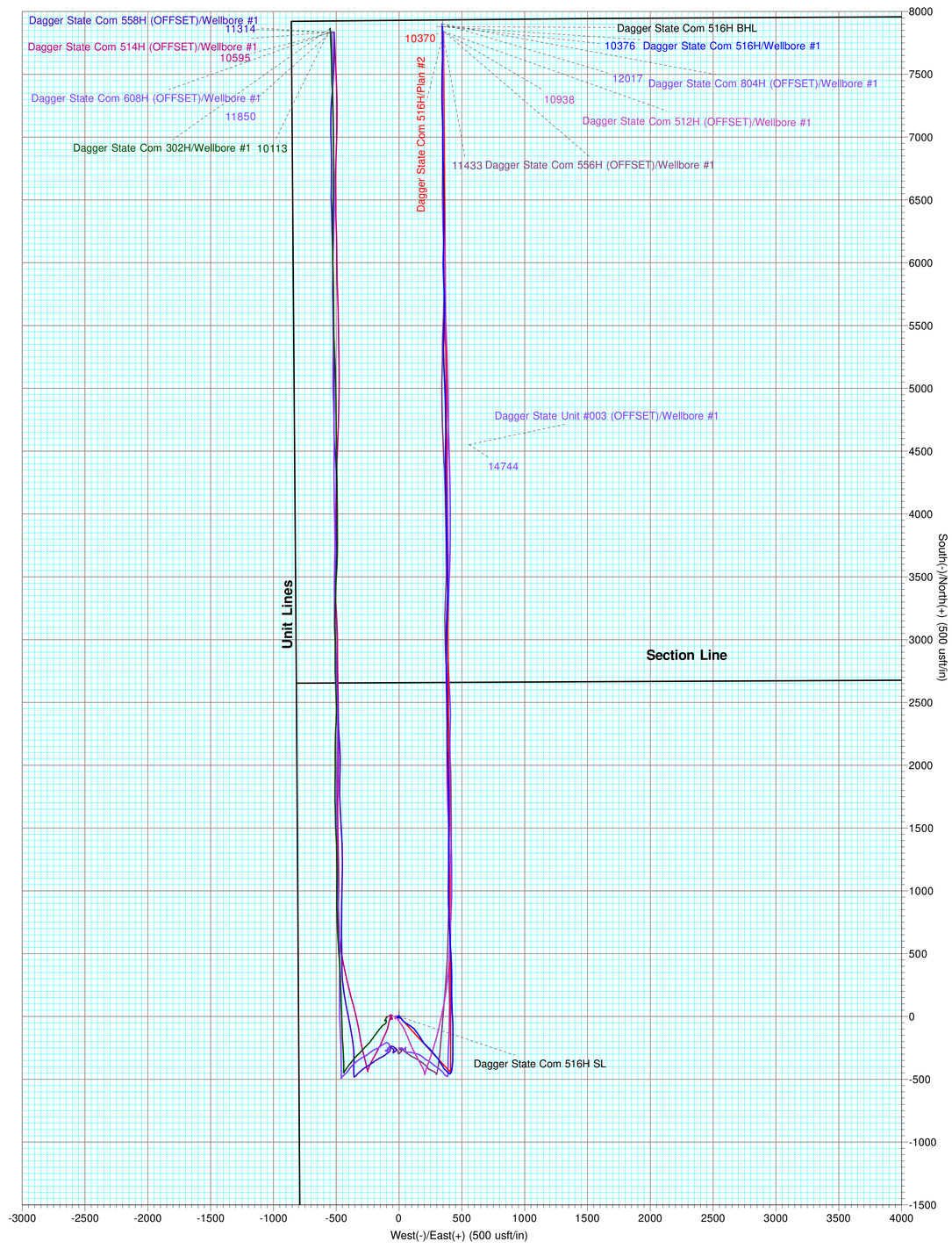
End Of Well Report - 05/12/2022

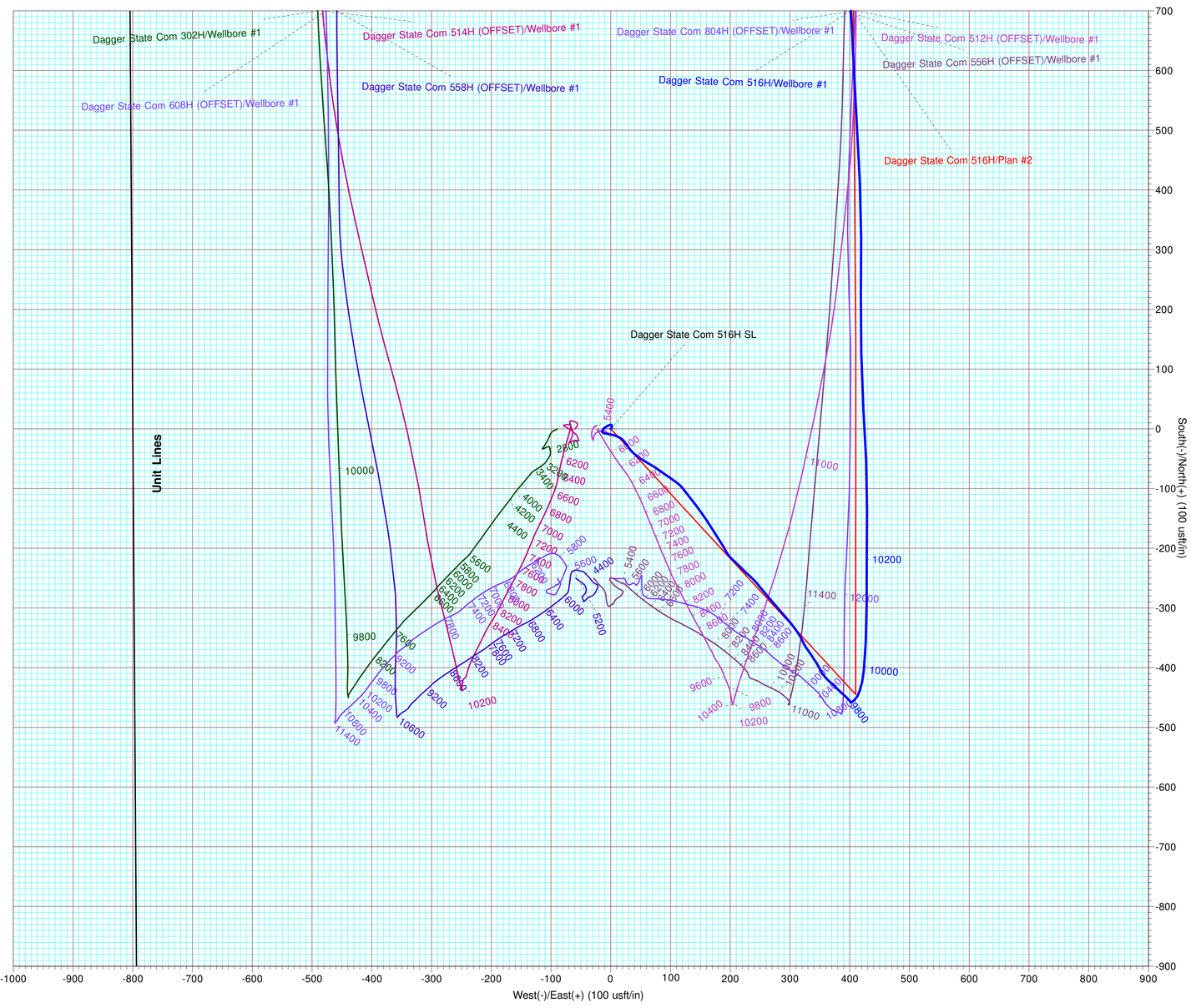
ADVANCE ENERGY PARTNERS

Project: Lea County, NM (NAD83)
Site: Dagger State Com Pad
Well: Dagger State Com 516H
Wellbore: Wellbore #1
Design: Wellbore #1
Rig: Nabors X12





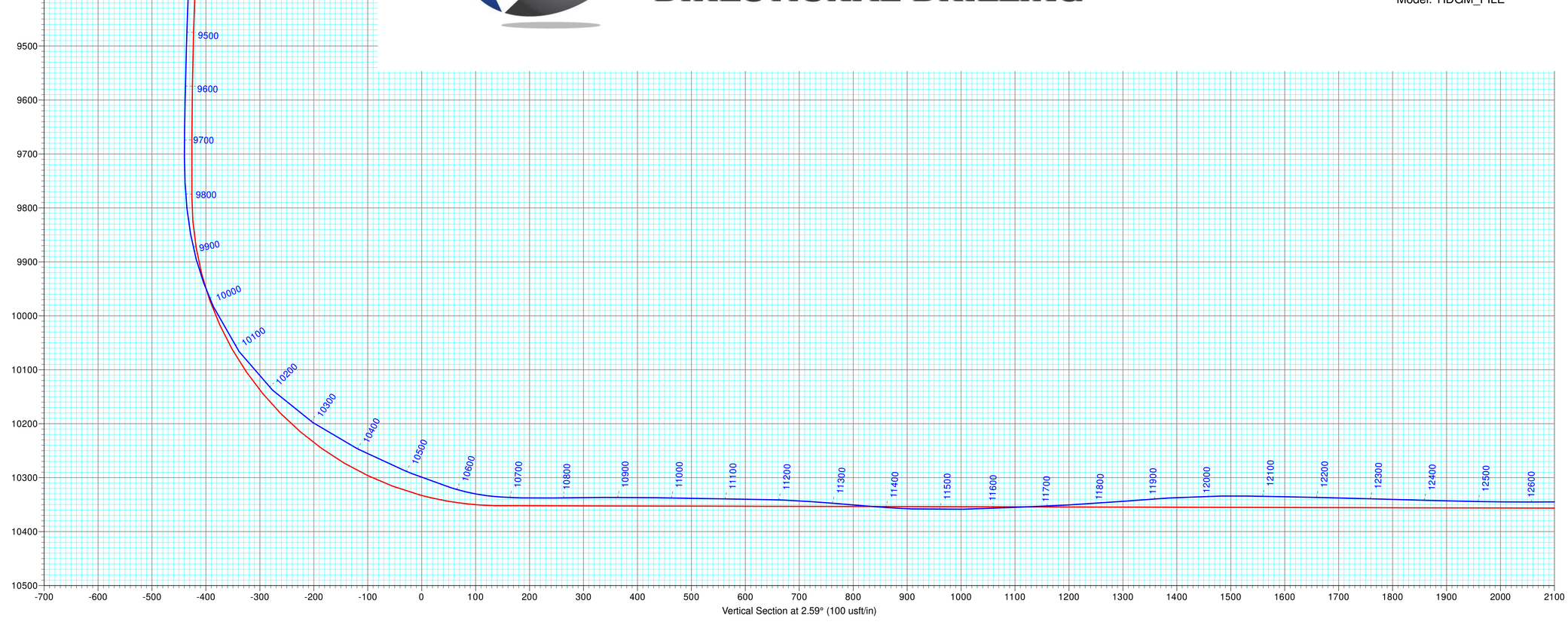


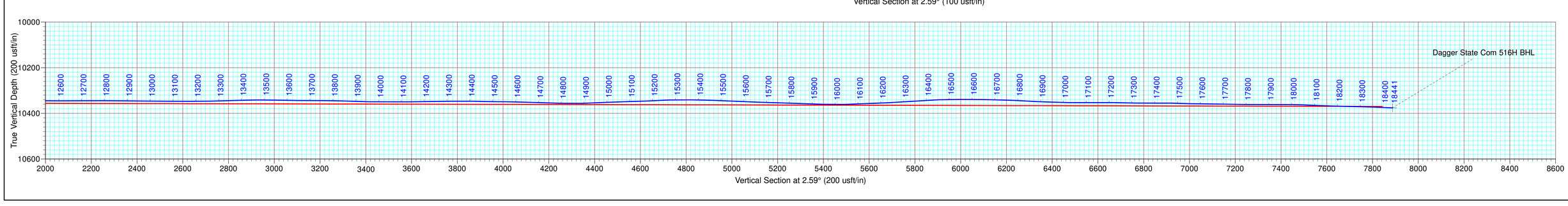


PREMIER DIRECTIONAL DRILLING

Azimuths to Grid North
True North: -0.38°
Magnetic North: 5.98°

Magnetic Field
Strength: 47816.9nT
Dip Angle: 60.15°
Date: 4/11/2022
Model: HDGM_FILE





ADVANCE ENERGY PARTNERS

Lea County, NM (NAD83)
Dagger State Com Pad
Dagger State Com 516H

Wellbore #1

Design: Wellbore #1

Standard Survey Report

05 May, 2022

Survey Report

Company:	ADVANCE ENERGY PARTNERS	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Site:	Dagger State Com Pad	**MD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.15 Multi User

Project Lea County, NM (NAD83)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Dagger State Com Pad

Site Position:		**Northing:**	528,127.90 usft	**Latitude:**	32.449854
From:	Map	**Easting:**	762,137.70 usft	**Longitude:**	-103.617539
Position Uncertainty:	0.00 usft	**Slot Radius:**	13.200 in	**Grid Convergence:**	0.38 °

Well Dagger State Com 516H

Well Position	**+N/-S**	0.00 usft	**Northing:**	528,128.54 usft	**Latitude:**	32.449854
	+E/-W	0.00 usft	**Easting:**	762,227.54 usft	**Longitude:**	-103.617247
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,815.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	4/11/2022	6.37	60.15	47,817

Design Wellbore #1

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	2.59

Survey Program **Date** 4/30/2022

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
277.00	18,387.00	Survey #1 (Wellbore #1)	MWD+HRGM OWSG Rev	OWSG MWD + HRGM
18,441.00	18,441.00	Survey #2 (Wellbore #1)	Projection to Bit	

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277.00	0.79	40.45	276.99	1.45	1.24	1.51	0.29	0.29	0.00
427.00	0.88	7.14	426.98	3.38	2.05	3.47	0.32	0.06	-22.21
489.00	0.92	8.64	488.97	4.35	2.19	4.44	0.07	0.06	2.42
670.00	0.66	289.62	669.96	6.13	1.42	6.19	0.57	-0.14	-43.66
760.00	0.84	281.98	759.95	6.45	0.29	6.45	0.23	0.20	-8.49
851.00	0.97	259.21	850.94	6.44	-1.12	6.38	0.42	0.14	-25.02
941.00	1.36	248.58	940.92	5.91	-2.86	5.77	0.49	0.43	-11.81
1,031.00	1.36	243.92	1,030.89	5.05	-4.82	4.82	0.12	0.00	-5.18
1,122.00	1.41	242.78	1,121.87	4.06	-6.78	3.75	0.06	0.05	-1.25

Survey Report

Company:	ADVANCE ENERGY PARTNERS	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Site:	Dagger State Com Pad	**MD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.15 Multi User

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,212.00	1.67	234.78	1,211.83	2.80	-8.84	2.40	0.37	0.29	-8.89
1,308.00	1.76	225.99	1,307.79	0.97	-11.04	0.47	0.29	0.09	-9.16
1,403.00	1.67	214.56	1,402.75	-1.19	-12.87	-1.77	0.37	-0.09	-12.03
1,498.00	1.49	197.78	1,497.71	-3.50	-14.04	-4.13	0.52	-0.19	-17.66
1,555.00	1.23	198.57	1,554.70	-4.79	-14.46	-5.44	0.46	-0.46	1.39
1,677.00	2.24	108.92	1,676.66	-6.80	-12.62	-7.37	2.09	0.83	-73.48
1,773.00	5.19	101.80	1,772.44	-8.30	-6.59	-8.59	3.10	3.07	-7.42
1,869.00	5.45	99.96	1,868.03	-9.98	2.15	-9.87	0.32	0.27	-1.92
1,964.00	4.57	113.46	1,962.67	-12.26	10.06	-11.80	1.54	-0.93	14.21
2,060.00	4.34	122.46	2,058.38	-15.74	16.64	-14.97	0.77	-0.24	9.37
2,156.00	4.26	139.86	2,154.12	-20.41	22.00	-19.40	1.36	-0.08	18.12
2,253.00	4.48	144.96	2,250.83	-26.27	26.50	-25.04	0.46	0.23	5.26
2,347.00	4.26	146.36	2,344.56	-32.18	30.54	-30.77	0.26	-0.23	1.49
2,443.00	4.92	135.99	2,440.25	-38.11	35.37	-36.47	1.10	0.69	-10.80
2,538.00	5.58	128.87	2,534.86	-43.94	41.80	-42.00	0.97	0.69	-7.49
2,634.00	5.89	124.39	2,630.38	-49.65	49.50	-47.36	0.57	0.32	-4.67
2,729.00	5.89	120.70	2,724.87	-54.89	57.71	-52.23	0.40	0.00	-3.88
2,825.00	6.15	119.99	2,820.34	-59.98	66.40	-56.91	0.28	0.27	-0.74
2,920.00	6.51	122.19	2,914.77	-65.39	75.37	-61.92	0.46	0.38	2.32
3,016.00	5.89	127.29	3,010.20	-71.27	83.89	-67.41	0.86	-0.65	5.31
3,112.00	5.76	124.92	3,105.71	-77.01	91.76	-72.79	0.28	-0.14	-2.47
3,208.00	5.49	123.95	3,201.25	-82.34	99.52	-77.75	0.30	-0.28	-1.01
3,303.00	4.97	124.83	3,295.85	-87.22	106.67	-82.32	0.55	-0.55	0.93
3,399.00	5.10	129.05	3,391.48	-92.29	113.40	-87.07	0.41	0.14	4.40
3,495.00	5.32	142.32	3,487.09	-98.50	119.43	-93.00	1.27	0.23	13.82
3,590.00	4.62	140.82	3,581.73	-104.95	124.54	-99.21	0.75	-0.74	-1.58
3,685.00	4.40	142.58	3,676.44	-110.81	129.17	-104.86	0.27	-0.23	1.85
3,781.00	3.87	142.41	3,772.19	-116.30	133.38	-110.16	0.55	-0.55	-0.18
3,877.00	3.65	141.70	3,867.98	-121.27	137.25	-114.94	0.23	-0.23	-0.74
3,972.00	4.97	142.32	3,962.71	-126.90	141.64	-120.37	1.39	1.39	0.65
4,068.00	6.59	143.46	4,058.22	-134.61	147.47	-127.81	1.69	1.69	1.19
4,164.00	6.86	145.48	4,153.56	-143.76	154.00	-136.66	0.37	0.28	2.10
4,260.00	5.45	145.75	4,249.00	-152.26	159.81	-144.88	1.47	-1.47	0.28
4,355.00	5.10	146.98	4,343.60	-159.53	164.65	-151.92	0.39	-0.37	1.29
4,451.00	5.19	148.03	4,439.21	-166.79	169.27	-158.97	0.14	0.09	1.09
4,546.00	5.14	147.94	4,533.83	-174.04	173.81	-166.01	0.05	-0.05	-0.09
4,642.00	4.79	146.80	4,629.46	-181.04	178.29	-172.80	0.38	-0.36	-1.19
4,738.00	4.44	147.59	4,725.15	-187.53	182.47	-179.09	0.37	-0.36	0.82
4,833.00	4.22	147.94	4,819.88	-193.60	186.30	-184.98	0.23	-0.23	0.37
4,929.00	3.91	149.61	4,915.64	-199.41	189.83	-190.63	0.35	-0.32	1.74
5,052.00	3.87	153.13	5,038.36	-206.73	193.83	-197.76	0.20	-0.03	2.86
5,215.00	5.10	134.41	5,200.86	-216.71	201.49	-207.38	1.16	0.75	-11.48
5,311.00	4.92	132.30	5,296.50	-222.47	207.58	-212.86	0.27	-0.19	-2.20

Survey Report

Company:	ADVANCE ENERGY PARTNERS	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Site:	Dagger State Com Pad	**MD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.15 Multi User

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,405.00	4.48	133.53	5,390.18	-227.71	213.22	-217.84	0.48	-0.47	1.31
5,514.00	3.65	135.55	5,498.91	-233.12	218.74	-222.99	0.77	-0.76	1.85
5,610.00	3.56	135.90	5,594.72	-237.44	222.96	-227.12	0.10	-0.09	0.36
5,706.00	3.43	133.79	5,690.54	-241.57	227.10	-231.06	0.19	-0.14	-2.20
5,801.00	3.34	131.42	5,785.37	-245.36	231.23	-234.66	0.18	-0.09	-2.49
5,897.00	3.25	131.16	5,881.21	-249.00	235.37	-238.11	0.10	-0.09	-0.27
5,993.00	3.82	137.92	5,977.03	-253.17	239.57	-242.08	0.73	0.59	7.04
6,088.00	4.48	139.33	6,071.78	-258.33	244.11	-247.04	0.70	0.69	1.48
6,183.00	4.48	140.38	6,166.49	-264.00	248.89	-252.49	0.09	0.00	1.11
6,279.00	4.53	139.59	6,262.19	-269.78	253.74	-258.04	0.08	0.05	-0.82
6,375.00	4.53	140.21	6,357.89	-275.58	258.62	-263.61	0.05	0.00	0.65
6,470.00	4.57	140.56	6,452.59	-281.38	263.43	-269.19	0.05	0.04	0.37
6,566.00	4.57	139.68	6,548.29	-287.25	268.33	-274.83	0.07	0.00	-0.92
6,662.00	4.31	139.15	6,644.00	-292.90	273.17	-280.26	0.27	-0.27	-0.55
6,757.00	4.13	138.89	6,738.74	-298.18	277.75	-285.32	0.19	-0.19	-0.27
6,853.00	3.87	139.07	6,834.51	-303.23	282.15	-290.17	0.27	-0.27	0.19
6,949.00	3.82	139.33	6,930.29	-308.10	286.35	-294.85	0.06	-0.05	0.27
7,045.00	3.78	138.28	7,026.08	-312.89	290.54	-299.44	0.08	-0.04	-1.09
7,141.00	3.65	138.63	7,121.88	-317.54	294.67	-303.90	0.14	-0.14	0.36
7,236.00	3.87	140.91	7,216.68	-322.30	298.69	-308.48	0.28	0.23	2.40
7,332.00	3.43	141.53	7,312.48	-327.06	302.52	-313.06	0.46	-0.46	0.65
7,428.00	3.43	142.76	7,408.31	-331.60	306.04	-317.43	0.08	0.00	1.28
7,523.00	3.34	143.72	7,503.14	-336.09	309.40	-321.77	0.11	-0.09	1.01
7,619.00	3.30	147.06	7,598.98	-340.67	312.56	-326.19	0.21	-0.04	3.48
7,715.00	3.25	148.65	7,694.83	-345.31	315.47	-330.70	0.11	-0.05	1.66
7,811.00	3.08	150.58	7,790.68	-349.88	318.16	-335.14	0.21	-0.18	2.01
7,907.00	2.95	153.83	7,886.55	-354.34	320.51	-339.50	0.22	-0.14	3.39
8,002.00	2.99	155.85	7,981.42	-358.80	322.60	-343.85	0.12	0.04	2.13
8,097.00	4.04	147.94	8,076.24	-363.89	325.39	-348.82	1.21	1.11	-8.33
8,193.00	5.05	144.43	8,171.94	-370.20	329.65	-354.92	1.09	1.05	-3.66
8,289.00	5.01	146.63	8,267.57	-377.14	334.41	-361.64	0.21	-0.04	2.29
8,384.00	5.01	146.01	8,362.20	-384.04	339.01	-368.33	0.06	0.00	-0.65
8,480.00	4.92	147.24	8,457.84	-390.98	343.58	-375.05	0.15	-0.09	1.28
8,575.00	4.75	150.93	8,552.51	-397.84	347.70	-381.72	0.37	-0.18	3.88
8,670.00	4.66	152.69	8,647.19	-404.71	351.38	-388.42	0.18	-0.09	1.85
8,766.00	5.23	144.60	8,742.83	-411.74	355.70	-395.24	0.94	0.59	-8.43
8,862.00	5.89	135.38	8,838.38	-418.81	361.70	-402.04	1.15	0.69	-9.60
8,957.00	5.67	132.21	8,932.90	-425.43	368.60	-408.34	0.41	-0.23	-3.34
9,052.00	4.88	133.79	9,027.49	-431.38	374.99	-414.00	0.85	-0.83	1.66
9,148.00	4.66	135.02	9,123.16	-436.97	380.70	-419.32	0.25	-0.23	1.28
9,244.00	4.22	132.74	9,218.87	-442.12	386.05	-424.23	0.49	-0.46	-2.37
9,339.00	4.22	131.07	9,313.62	-446.79	391.25	-428.66	0.13	0.00	-1.76
9,435.00	3.56	135.11	9,409.39	-451.22	396.02	-432.87	0.74	-0.69	4.21

Survey Report

Company:	ADVANCE ENERGY PARTNERS	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Site:	Dagger State Com Pad	**MD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.15 Multi User

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,530.00	2.29	139.86	9,504.27	-454.76	399.32	-436.26	1.36	-1.34	5.00
9,626.00	1.36	147.50	9,600.22	-457.19	401.17	-438.60	1.00	-0.97	7.96
9,732.00	0.35	137.75	9,706.21	-458.49	402.06	-439.86	0.96	-0.95	-9.20
9,779.00	4.66	53.02	9,753.15	-457.45	403.69	-438.74	9.87	9.17	-180.28
9,827.00	8.49	51.79	9,800.83	-454.08	408.03	-435.18	7.98	7.98	-2.56
9,875.00	11.34	27.09	9,848.13	-447.69	412.96	-428.57	10.54	5.94	-51.46
9,922.00	15.39	18.39	9,893.85	-437.65	417.04	-418.36	9.60	8.62	-18.51
9,969.00	20.26	12.06	9,938.58	-423.76	420.71	-404.32	11.14	10.36	-13.47
10,017.00	24.35	5.56	9,982.99	-405.78	423.41	-386.23	9.94	8.52	-13.54
10,113.00	35.34	2.84	10,066.13	-358.20	426.71	-338.55	11.53	11.45	-2.83
10,208.00	46.51	0.38	10,137.80	-296.10	428.30	-276.44	11.88	11.76	-2.59
10,304.00	55.82	359.85	10,197.94	-221.40	428.43	-201.81	9.71	9.70	-0.55
10,400.00	63.30	0.81	10,246.54	-138.70	428.93	-119.17	7.84	7.79	1.00
10,495.00	67.21	357.39	10,286.31	-52.46	427.54	-33.09	5.26	4.12	-3.60
10,587.00	72.26	356.42	10,318.16	33.69	422.87	52.76	5.58	5.49	-1.05
10,683.00	86.46	359.06	10,335.85	127.71	419.21	146.53	15.04	14.79	2.75
10,779.00	91.25	0.29	10,337.76	223.66	418.67	242.35	5.15	4.99	1.28
10,875.00	89.98	0.29	10,336.73	319.65	419.15	338.27	1.32	-1.32	0.00
10,971.00	89.45	356.95	10,337.21	415.61	416.84	434.02	3.52	-0.55	-3.48
11,066.00	88.62	357.04	10,338.81	510.47	411.86	528.56	0.88	-0.87	0.09
11,162.00	89.32	356.95	10,340.54	606.32	406.83	624.08	0.74	0.73	-0.09
11,258.00	86.11	357.21	10,344.36	702.11	401.94	719.55	3.35	-3.34	0.27
11,354.00	84.97	356.95	10,351.83	797.69	397.07	814.82	1.22	-1.19	-0.27
11,449.00	87.56	358.97	10,358.02	892.41	393.70	909.29	3.45	2.73	2.13
11,544.00	91.87	0.46	10,358.49	987.39	393.22	1,004.15	4.80	4.54	1.57
11,640.00	92.13	0.20	10,355.14	1,083.33	393.78	1,100.01	0.38	0.27	-0.27
11,736.00	92.97	0.29	10,350.87	1,179.23	394.19	1,195.84	0.88	0.87	0.09
11,832.00	94.55	359.67	10,344.57	1,275.02	394.15	1,291.53	1.77	1.65	-0.65
11,927.00	93.71	0.55	10,337.73	1,369.77	394.34	1,386.19	1.28	-0.88	0.93
12,023.00	90.42	0.29	10,334.27	1,465.69	395.04	1,482.05	3.44	-3.43	-0.27
12,119.00	88.79	0.38	10,334.94	1,561.69	395.60	1,577.97	1.70	-1.70	0.09
12,215.00	88.70	359.50	10,337.04	1,657.66	395.50	1,673.84	0.92	-0.09	-0.92
12,311.00	88.31	358.88	10,339.54	1,753.62	394.14	1,769.64	0.76	-0.41	-0.65
12,406.00	88.57	358.53	10,342.13	1,848.56	392.00	1,864.38	0.46	0.27	-0.37
12,502.00	88.79	358.35	10,344.34	1,944.50	389.38	1,960.11	0.30	0.23	-0.19
12,598.00	90.15	358.18	10,345.23	2,040.45	386.48	2,055.83	1.43	1.42	-0.18
12,693.00	90.24	358.00	10,344.90	2,135.39	383.31	2,150.53	0.21	0.09	-0.19
12,789.00	89.98	0.55	10,344.72	2,231.38	382.10	2,246.36	2.67	-0.27	2.66
12,885.00	89.32	0.11	10,345.31	2,327.37	382.65	2,342.29	0.83	-0.69	-0.46
12,981.00	89.45	359.58	10,346.34	2,423.37	382.39	2,438.17	0.57	0.14	-0.55
13,076.00	89.80	359.41	10,346.96	2,518.36	381.55	2,533.03	0.41	0.37	-0.18
13,171.00	89.80	359.14	10,347.29	2,613.35	380.35	2,627.87	0.28	0.00	-0.28
13,267.00	90.99	359.14	10,346.63	2,709.34	378.91	2,723.69	1.24	1.24	0.00
13,362.00	92.18	358.44	10,344.00	2,804.28	376.90	2,818.45	1.45	1.25	-0.74

Survey Report

Company:	ADVANCE ENERGY PARTNERS	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Site:	Dagger State Com Pad	**MD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.15 Multi User

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
13,458.00	90.46	359.23	10,341.79	2,900.23	374.95	2,914.21	1.97	-1.79	0.82
13,554.00	88.66	1.08	10,342.53	2,996.22	375.21	3,010.11	2.69	-1.87	1.93
13,650.00	89.63	1.43	10,343.96	3,092.18	377.32	3,106.07	1.07	1.01	0.36
13,746.00	89.89	1.78	10,344.36	3,188.14	380.00	3,202.06	0.45	0.27	0.36
13,861.00	88.00	3.28	10,346.48	3,303.00	385.08	3,317.03	2.10	-1.64	1.30
13,957.00	88.53	359.94	10,349.39	3,398.91	387.77	3,412.96	3.52	0.55	-3.48
14,130.00	91.25	358.18	10,349.72	3,571.86	384.94	3,585.61	1.87	1.57	-1.02
14,225.00	90.29	358.97	10,348.44	3,666.82	382.57	3,680.36	1.31	-1.01	0.83
14,321.00	91.52	358.18	10,346.93	3,762.78	380.19	3,776.11	1.52	1.28	-0.82
14,416.00	88.22	359.41	10,347.14	3,857.74	378.19	3,870.89	3.71	-3.47	1.29
14,512.00	89.58	359.14	10,348.98	3,953.71	376.98	3,966.71	1.44	1.42	-0.28
14,607.00	88.53	359.41	10,350.55	4,048.69	375.77	4,061.54	1.14	-1.11	0.28
14,702.00	88.57	358.79	10,352.95	4,143.65	374.28	4,156.33	0.65	0.04	-0.65
14,797.00	87.87	358.27	10,355.91	4,238.57	371.85	4,251.04	0.92	-0.74	-0.55
14,892.00	91.65	359.67	10,356.30	4,333.54	370.14	4,345.83	4.24	3.98	1.47
14,987.00	93.01	359.07	10,352.44	4,428.45	369.09	4,440.60	1.56	1.43	-0.63
15,083.00	90.95	1.17	10,349.12	4,524.38	369.30	4,536.45	3.06	-2.15	2.19
15,178.00	93.05	1.25	10,345.81	4,619.30	371.30	4,631.36	2.21	2.21	0.08
15,274.00	91.78	358.97	10,341.76	4,715.20	371.48	4,727.17	2.72	-1.32	-2.37
15,370.00	89.23	359.23	10,340.92	4,811.18	369.98	4,822.98	2.67	-2.66	0.27
15,466.00	87.96	358.44	10,343.27	4,907.13	368.03	4,918.74	1.56	-1.32	-0.82
15,561.00	87.34	357.56	10,347.17	5,001.99	364.71	5,013.36	1.13	-0.65	-0.93
15,657.00	88.00	357.56	10,351.07	5,097.82	360.63	5,108.91	0.69	0.69	0.00
15,753.00	88.62	357.56	10,353.90	5,193.69	356.54	5,204.50	0.65	0.65	0.00
15,848.00	87.69	359.94	10,356.96	5,288.61	354.47	5,299.23	2.69	-0.98	2.51
15,944.00	88.00	1.08	10,360.57	5,384.54	355.33	5,395.09	1.23	0.32	1.19
16,040.00	91.43	2.13	10,361.05	5,480.48	358.02	5,491.06	3.74	3.57	1.09
16,135.00	92.75	2.13	10,357.58	5,575.35	361.54	5,586.00	1.39	1.39	0.00
16,231.00	91.78	359.50	10,353.79	5,671.26	362.91	5,681.86	2.92	-1.01	-2.74
16,357.00	94.95	356.42	10,346.39	5,796.93	358.44	5,807.21	3.50	2.52	-2.44
16,453.00	91.91	357.74	10,340.65	5,892.62	353.56	5,902.58	3.45	-3.17	1.37
16,548.00	89.93	359.76	10,339.12	5,987.58	351.49	5,997.34	2.98	-2.08	2.13
16,644.00	89.27	2.31	10,339.79	6,083.55	353.22	6,093.30	2.74	-0.69	2.66
16,740.00	88.18	1.08	10,341.93	6,179.48	356.06	6,189.26	1.71	-1.14	-1.28
16,836.00	86.73	0.38	10,346.19	6,275.38	357.28	6,285.11	1.68	-1.51	-0.73
16,931.00	88.18	359.67	10,350.41	6,370.28	357.32	6,379.92	1.70	1.53	-0.75
17,026.00	88.79	359.32	10,352.92	6,465.24	356.49	6,474.75	0.74	0.64	-0.37
17,122.00	91.08	359.23	10,353.03	6,561.23	355.27	6,570.58	2.39	2.39	-0.09
17,218.00	89.01	359.23	10,352.96	6,657.21	353.98	6,666.41	2.16	-2.16	0.00
17,314.00	88.70	358.62	10,354.87	6,753.18	352.18	6,762.19	0.71	-0.32	-0.64
17,410.00	90.68	358.27	10,355.39	6,849.13	349.57	6,857.94	2.09	2.06	-0.36
17,505.00	88.13	359.85	10,356.38	6,944.11	348.02	6,952.74	3.16	-2.68	1.66
17,601.00	89.58	359.58	10,358.30	7,040.08	347.54	7,048.60	1.54	1.51	-0.28

Survey Report

Company:	ADVANCE ENERGY PARTNERS	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Lea County, NM (NAD83)	**TVD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Site:	Dagger State Com Pad	**MD Reference:**	3815+32.5 @ 3847.50usft (Nabors X12)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	EDM 5000.15 Multi User

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
17,696.00	88.62	358.62	10,359.79	7,135.06	346.05	7,143.41	1.43	-1.01	-1.01
17,792.00	89.27	357.74	10,361.56	7,230.99	343.00	7,239.10	1.14	0.68	-0.92
17,888.00	90.24	0.20	10,361.97	7,326.97	341.27	7,334.90	2.75	1.01	2.56
17,983.00	89.85	0.38	10,361.89	7,421.96	341.75	7,429.83	0.45	-0.41	0.19
18,078.00	87.25	1.69	10,364.30	7,516.91	343.47	7,524.75	3.06	-2.74	1.38
18,174.00	88.35	1.17	10,367.98	7,612.81	345.86	7,620.66	1.27	1.15	-0.54
18,269.00	88.75	0.46	10,370.39	7,707.77	347.21	7,715.58	0.86	0.42	-0.75
18,365.00	88.04	359.23	10,373.08	7,803.73	346.95	7,811.43	1.48	-0.74	-1.28
18,387.00	87.91	359.06	10,373.85	7,825.71	346.63	7,833.38	0.97	-0.59	-0.77
18,441.00	87.91	359.06	10,375.82	7,879.67	345.74	7,887.24	0.00	0.00	0.00

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
Dagger State Com 51 - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	528,128.54	762,227.54	32.449854	-103.617247
Dagger State Com 51 - actual wellpath hits target center - Point	0.00	0.00	10,375.82	7,879.67	345.74	536,008.21	762,573.28	32.471506	-103.615955

Checked By: _____ Approved By: _____ Date: _____

Section - One
Well Summary

Well Summary

Dagger State Com 516H - Well Summary			
Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Rig	Nabors X12	**Well**	Dagger State Com 516H - Dagger State Com Pad
County	Lea	**State**	New Mexico
Latitude	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Total Drilled (Usft)	18441.00	**Total Days**	24

BHA Summary

BHA #	Bit #	Hole Size (in)	Start (Usft)	End (Usft)	Drilled (Usft)	Avg ROP (Usft/hr)	Slide %	Drlg Hrs	Circ Hrs	BRT Hrs	Failed
1	1	17.500	0.00	1614.00	1614.00	66.42	0.00	24.30	1.43	28.25	
2	2	12.250	1614.00	5187.00	3573.00	105.19	0.00	33.97	0.48	44.00	
3	3	12.250	5187.00	5485.00	298.00	116.86	0.00	2.55	1.02	13.73	
4	4	8.750	5485.00	9750.00	4265.00	151.60	0.00	28.13	0.20	40.33	
5	5	8.750	9750.00	10570.00	820.00	53.02	0.00	15.47	1.43	27.50	
6	6	8.750	10570.00	10575.00	5.00	4.05	0.00	1.23	1.68	16.75	
7	6	8.750	10575.00	13863.00	3261.00	40.74	0.00	80.05	0.00	96.00	
8	8	8.750	13863.00	14112.00	276.00	42.68	0.00	6.47	0.00	32.25	
9	9	8.750	14112.00	16346.00	2234.00	33.38	0.00	66.92	0.00	87.00	
10	10	8.750	16346.00	18441.00	2095.00	38.26	0.00	54.75	3.25	92.50	

Bit Run Record

Bit #	Make	Model	Size (in)	Grade In	Grade Out	TFA	Drilled	Drlg Hrs	ROP
1	Baker Hughes	T606KS	17.500	New		0.994	1614.00	24.30	66.42
2	Varel	VION-616	12.250	New		1.167	3573.00	33.97	105.19
3	Ulterra		12.250	New		1.109	298.00	2.55	116.86
4	Reed Hycalog	TKC66 AZ2	8.750	New		1.035	4265.00	28.13	151.60
5	Ulterra	CF611	8.750	New		0.000	820.00	15.47	53.02
6	Reed Hycalog	TKC76	8.750	New		1.052	5.00	1.23	4.05
6	Reed Hycalog	TKC-76	8.750	New		0.000	3261.00	80.05	40.74
8	Reed Hycalog	Reed TKC76 w/7x14s	8.750	New		1.208	276.00	6.47	42.68
9	Reed Hycalog	Reed TKC76 w/7x14s	8.750	New		1.052	2234.00	66.92	33.38
10	Reed Hycalog	Reed TKC76 w/7x14s	8.750	New		1.052	2095.00	54.75	38.26

Motor Summary

BHA #	Make	Model	Lobes	Stages	OD (in)	Bend	Bit to Bend	Drilled (Usft)	ROP (Usft/hr)
1	Tally	Tally 8 7:8 5.9	7/8	5.9	8.000	1.75	5.36	1614.00	66.42
2	Tally	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	7/8	5.9	8.000	1.75	5.58	3573.00	105.19
3	Tally	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	7/8	5.9	8.000	1.75	5.80	298.00	116.86
4	Rival	RIVAL 6:7 10.7	6/7	10.7	7.250	1.50	3.66	4265.00	151.60
5	Rival	7" Rival 7:8 5.7 2.12 FBH w/SS	7/8	5.7	7.000	2.12	0.00	820.00	53.02
6	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	6.9	7.000	1.75	4.27	5.00	4.05
7	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	6.9	7.000	1.75	51.24	3261.00	40.74
8	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	6.9	7.000	1.83	4.27	276.00	42.68
9	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	6.9	7.000	1.75	4.27	2234.00	33.38
10	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	6.9	7.000	1.75	4.27	2095.00	38.26

Personnel Summary

Day DD	Night DD	Day MWD	Night MWD	Day Co Man	Night CO Man	Drilling Eng

Phase Summary

Phase	Days	Drilled (Usft)	Avg ROP (Usft/hr)	NPT (Rig/Dir)	# BHA's	Drlg Hrs
S: Surface	2.00	1614.00	66.42		1	24.30
I: Intermediate	11.00	11419.00	81.93		7	139.38
L: Lateral	11.00	5408.00	36.01		4	150.16
Total	24.00	18441.00	58.76		10	313.84

Phase Summary - Per BHA

Phase / BHA	From (Usft)	To(Usft)	Rot ROP	Rot Dist	Slide ROP	Slide Dist	Slide %	Tot Drill	Avg ROP	Tot Hrs	Slide Hrs
S: Surface-17.5 - Surface Section - WBM	0.00	1614.00	66.42	1614.00	0.00	0.00	0.00	1614.00	66.42	24.30	0.00
I: Intermediate-17.5 - Surface Section - WBM	1614.00	1614.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
I: Intermediate-12.25 - Intermediate - WBM	1614.00	5187.00	105.18	3573.00	0.00	0.00	0.00	3573.00	105.18	33.97	0.00
I: Intermediate-12.25 - 2nd Intermediate - WBM	5187.00	5485.00	116.86	298.00	0.00	0.00	0.00	298.00	116.86	2.55	0.00
I: Intermediate-8.75 - 3rd Intermediate - WBM	5485.00	9750.00	151.62	4265.00	0.00	0.00	0.00	4265.00	151.62	28.13	0.00
I: Intermediate-8.75 - Curve - Cut Brine	9750.00	10570.00	53.01	820.00	0.00	0.00	0.00	820.00	53.01	15.47	0.00
I: Intermediate-WBM - 8.75 - Curve & Lateral	10570.00	10575.00	4.07	5.00	0.00	0.00	0.00	5.00	4.07	1.23	0.00
I: Intermediate-8.75 - OBM - Curve & Lateral	10575.00	13033.00	42.36	2458.00	0.00	0.00	0.00	2458.00	42.36	58.03	0.00
L: Lateral-8.75 - 3rd Lateral - OBM	16346.00	18441.00	38.26	2095.00	0.00	0.00	0.00	2095.00	38.26	54.75	0.00
L: Lateral-8.75 - OBM - Curve & Lateral	13033.00	13836.00	36.47	803.00	0.00	0.00	0.00	803.00	36.47	22.02	0.00
L: Lateral-8.75 - 2nd Lateral - OMB	13836.00	14112.00	42.66	276.00	0.00	0.00	0.00	276.00	42.66	6.47	0.00
L: Lateral-8.75 - 3rd Lateral - OBM	14112.00	16346.00	33.38	2234.00	0.00	0.00	0.00	2234.00	33.38	66.92	0.00

Section - Two
Well Statistics

Well Statistics

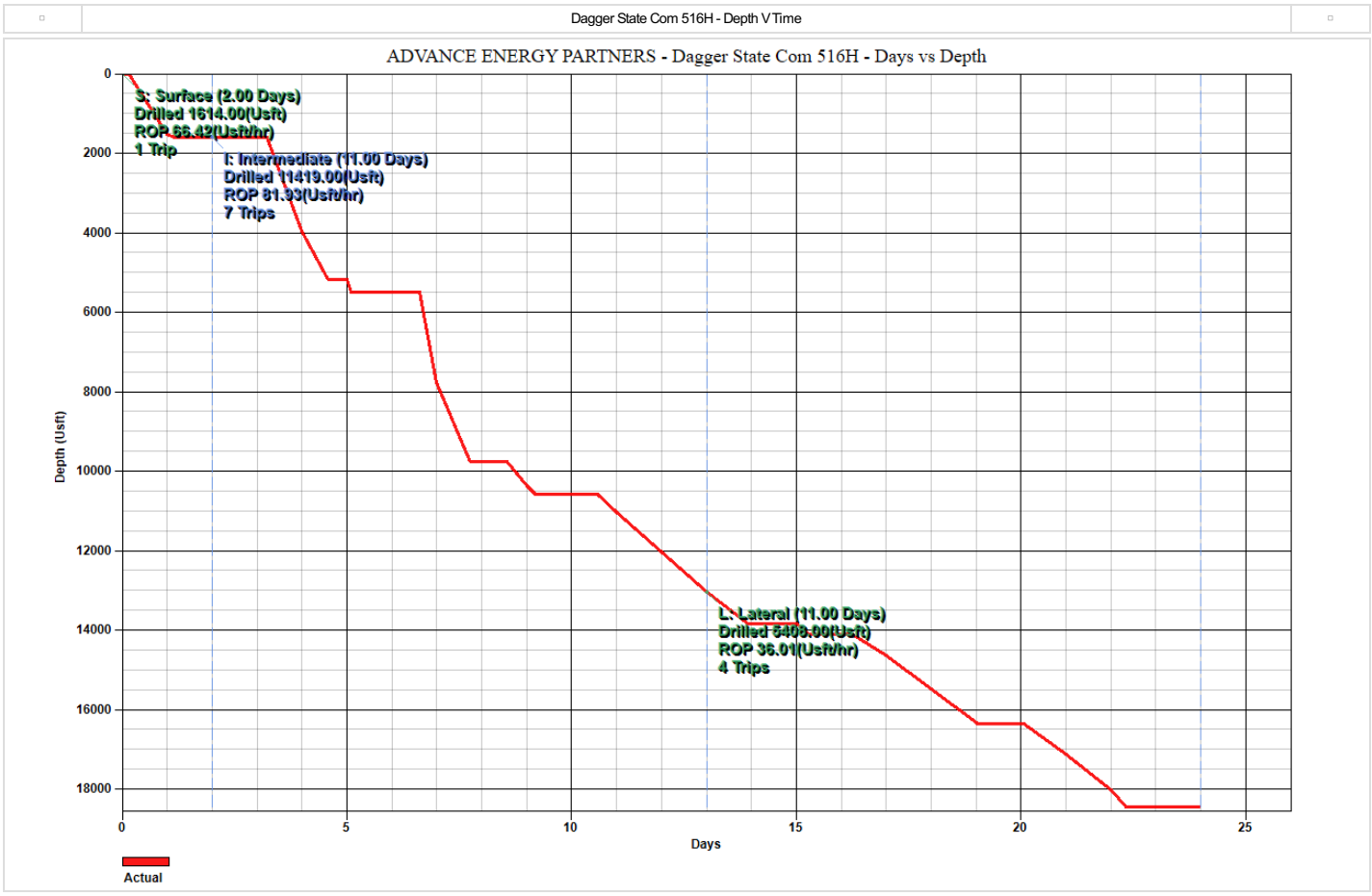
Dagger State Com 516H - Well Statistics			
Well Data		**Drilling Data**	
Job Number	M22182	**Total Drilled(Usft)**	18441.00
Operator	ADVANCE ENERGY PARTNERS	**Drilling Hours**	313.83
Well Name	Dagger State Com 516H	**Avg ROP(Usft/hr)**	58.76
Rig	Nabors X12	**Rotary Drilled(Usft)**	18441.00
State	New Mexico	**Rotary Hours**	313.83
County	Lea	**Rotary ROP(Usft/hr)**	58.76
Formation		**Rotary %**	100.00
Start Date	04/07/2022	**Slide Drilled(Usft)**	0.00
End Date	04/30/2022	**Slide Hours**	0.00
Days On Well	24	**Slide ROP(Usft/hr)**	0.00
Start Depth (Usft)	0.00	**Slide %**	0.00
End Depth (Usft)	18441.00		
Total Drilled (Usft)	18441.00		
# BHA's	10		
# Motor Failures	0		
# MWD Failures	0		
NPT hrs (Rig/Dir)	0.00 / 0.00		

Phase Summary			
Phase	**S**	**I**	**L**
Start Date	04/07/2022	04/09/2022	04/20/2022
End Date	04/08/2022	04/19/2022	04/30/2022
Total Days	2.00	11.00	11.00
Start Depth (Usft)	0.00	1614.00	13033.00
End Depth (Usft)	1614.00	13033.00	18441.00
Total Drilled(Usft)	1614.00	11419.00	5408.00
Drilling Hours	24.30	139.38	150.15
Circulating Hours	1.43	7.73	15.67
Total D&C Hours	25.73	147.12	165.82
Avg ROP(Usft/hr)	66.42	81.93	36.02
Rotary Drilled(Usft)	1614.00	11419.00	5408.00
Rotary Hours	24.30	139.38	150.15
Rotary ROP(Usft/hr)	66.42	81.93	36.02
Rotary %	100.00	100.00	100.00
Slide Drilled(Usft)	0.00	0.00	0.00
Slide Hours	0.00	0.00	0.00
Slide ROP(Usft/hr)	0.00	0.00	0.00
Slide %	0.00	0.00	0.00
# BHA	1	7	4
# Motor Failures	0	0	0
# MWD Failures	0	0	0
NPT hrs (Rig/Dir)	0.00 / 0.00	0.00 / 0.00	0.00 / 0.00
Total Phase Hrs	24.30	234.87	224.17
Phase ROP (Usft/hr)	66.42	48.62	24.12
Avg Motor Yield (°/100ft)	0.00	0.00	0.00
Avg Rotary DLS (°/100ft)	0.00	0.00	0.00
Avg Rotary TF	0.00	0.00	0.00
Avg Slide Length (Usft)	0.00	0.00	13.00
# Slides	0	0	1

BHA Summary										
BHA#	1	2	3	4	5	6	7	8	9	10
Description	17.5 - Surface Section - WBM	12.25 - Intermediate - WBM	12.25 - 2nd Intermediate - WBM	8.75 - 3rd Intermediate - WBM	8.75 - Curve - Cut Brine	WBM - 8.75 - Curve & Lateral	8.75 - OBM - Curve & Lateral	8.75 - 2nd Lateral - OMB	8.75 - 3rd Lateral - OBM	8.75 - 3rd Lateral - OBM
Bit Size	17.500	12.250	12.250	8.750	8.750	8.750	8.750	8.750	8.750	8.750
Bit Make / Model	Baker Hughes / T606KS	Varel / VION-616	Ulterra	Reed Hycalog / TKC66 AZ2	Ulterra / CF611	Reed Hycalog / TKC76	Reed Hycalog / TKC-76	Reed Hycalog / Reed TKC76 w/7x14s	Reed Hycalog / Reed TKC76 w/7x14s	Reed Hycalog / Reed TKC76 w/7x14s
Bit TFA	0.994	1.167	1.109	1.035	0.000	1.052	0.000	1.208	1.052	1.052
Grade In	New	New	New	New	New	New	New	New	New	New
Grade Out										
Motor SN	GDT20303	GDT20303	GDT-20314	RVDF70037	RVMA710014	XSS70062	XSS70062	XXS70111	XSS70112	XSS70102
Motor Make/Model	Tally / Tally 8 7:8 5.9	Tally / Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	Tally / Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	Rival / RIVAL 6:7 10.7	Rival / 7" Rival 7:8 5.7 2.12 FBH w/SS	Intrepid / 7" Intrepid 7:8 6.9 w/SS	Intrepid / 7" Intrepid 7:8 6.9 w/SS	Intrepid / 7" Intrepid 7:8 6.9 w/SS	Intrepid / 7" Intrepid 7:8 6.9 w/SS	Intrepid / 7" Intrepid 7:8 6.9 w/SS
Lobes/Stages	7/8 / 5.9	7/8 / 5.9	7/8 / 5.9	6/7 / 10.7	7/8 / 5.7	7/8 / 6.9	7/8 / 6.9	7/8 / 6.9	7/8 / 6.9	7/8 / 6.9
WOB (psi)	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	17.37 / 33.78 / 43.95	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00
Diff P (psi)	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	314.99 / 2274.35 / 3340.46	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00	999999.00 / 0.00 / -999999.00
Bend	1.750	1.750	1.750	1.500	2.120	1.750	1.750	1.830	1.750	1.750
Date In	04/07/2022	04/09/2022	04/11/2022	04/13/2022	04/15/2022	04/16/2022	04/17/2022	04/21/2022	04/22/2022	04/26/2022
Date Out	04/09/2022	04/11/2022	04/13/2022	04/15/2022	04/16/2022	04/17/2022	04/21/2022	04/22/2022	04/26/2022	04/30/2022
Time In	01:00	23:00	20:46	07:30	07:00	12:45	06:30	07:30	20:00	12:00
Time Out	21:30	19:00	06:00	06:00	10:30	05:30	06:30	18:15	11:00	24:00
BRT Hrs	68.50	44.00	33.23	46.50	27.50	16.75	96.00	34.75	87.00	108.00
Start Depth (Usft)	0.00	1614.00	5187.00	5485.00	9750.00	10570.00	10575.00	13836.00	14112.00	16346.00
End Depth (Usft)	1614.00	5187.00	5485.00	9750.00	10570.00	10575.00	13836.00	14112.00	16346.00	18441.00
Total Drilled(Usft)	1614.00	3573.00	298.00	4265.00	820.00	5.00	3261.00	276.00	2234.00	2095.00
Drilling Hours	24.30	33.97	2.55	28.13	15.47	1.23	80.05	6.47	66.92	54.75
Circulating Hours	1.43	0.55	1.08	0.28	1.72	2.90	1.20	8.65	2.12	4.90
Total D&C Hours	25.73	34.52	3.63	28.42	17.18	4.13	81.25	15.12	69.03	59.65
Avg ROP(Usft/hr)	66.42	105.19	116.86	151.60	53.02	4.05	40.74	42.68	33.38	38.26
Rotary Drilled(Usft)	1614.00	3573.00	298.00	4265.00	820.00	5.00	3261.00	276.00	2234.00	2095.00
Rotary Hours	24.30	33.97	2.55	28.13	15.47	1.23	80.05	6.47	66.92	54.75
Rotary ROP(Usft/hr)	66.42	105.19	116.86	151.60	53.02	4.05	40.74	42.68	33.38	38.26
Rotary %	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Slide Drilled(Usft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slide Hours	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slide ROP(Usft/hr)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slide %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Motor Failure	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
MWD Failure	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Unplanned Trip	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
LIH	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Avg Motor Yield (°/100ft)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Avg Rotary DLS (°/100ft)	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.00	0.00	0.00
Avg Rotary TF	0.00	0.00	0.00	0.00	0.00	0.00	-135.27	0.00	0.00	0.00
Avg Slide Length (Usft)	0.00	0.00	0.00	0.00	0.00	0.00	13.00	0.00	0.00	0.00
# Slides	0	0	0	0	0	0	1	0	0	0

Section - Three
Depth V Time

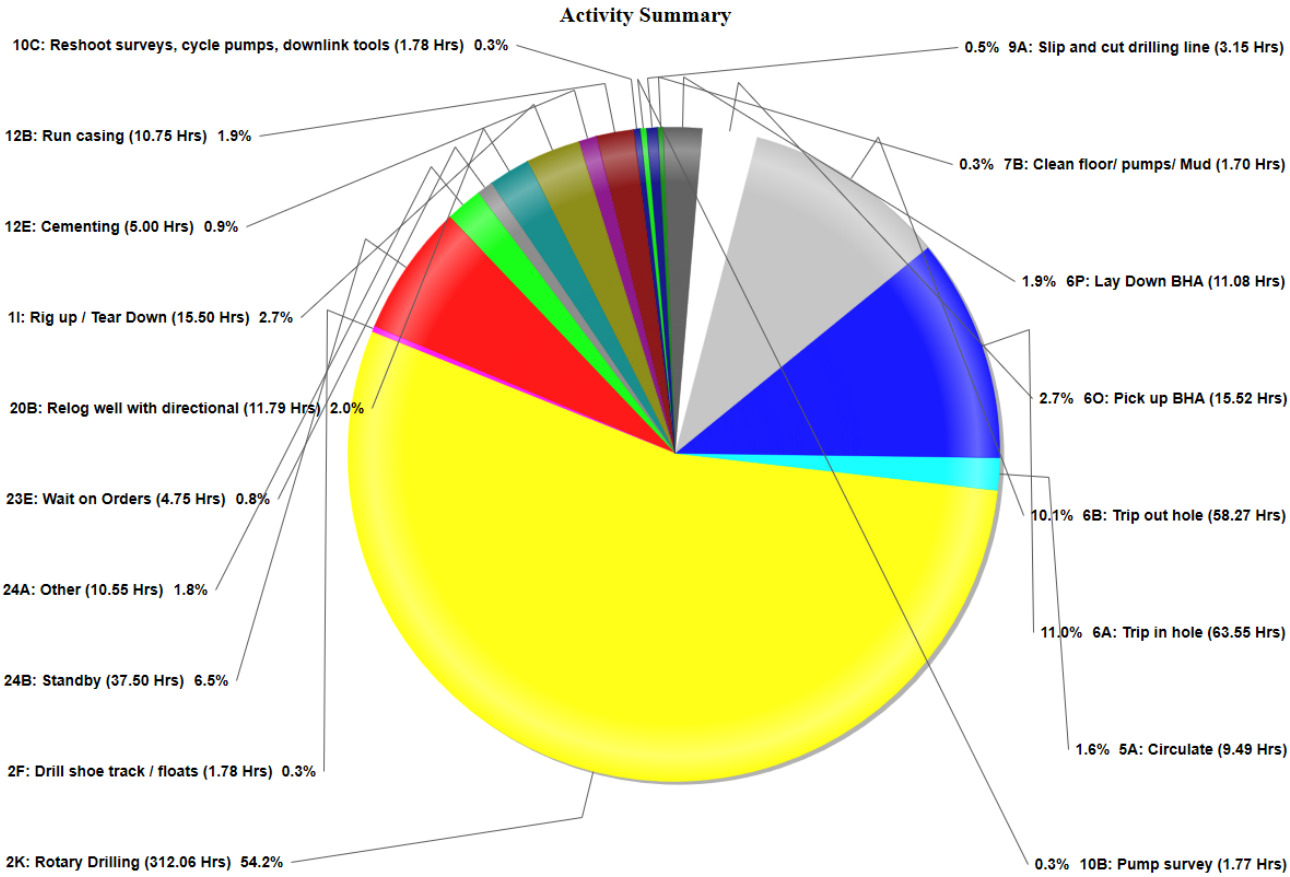
Depth V Time


Dagger State Com 516H - Depth V Time
ADVANCE ENERGY PARTNERS - Dagger State Com 516H - Days vs Depth
S: Surface (2.00 Days)
Drilled 1614.00(Usft)
ROP 66.42(Usft/hr)
1 Trip
I: Intermediate (11.00 Days)
Drilled 11419.00(Usft)
ROP 81.93(Usft/hr)
7 Trips
L: Lateral (11.00 Days)
Drilled 5408.00(Usft)
ROP 36.01(Usft/hr)
4 Trips
Depth (Usft)
0
2000
4000
6000
8000
10000
12000
14000
16000
18000
0
5
10
15
20
25
Days
Actual

Section - Four
Well Summary Charts

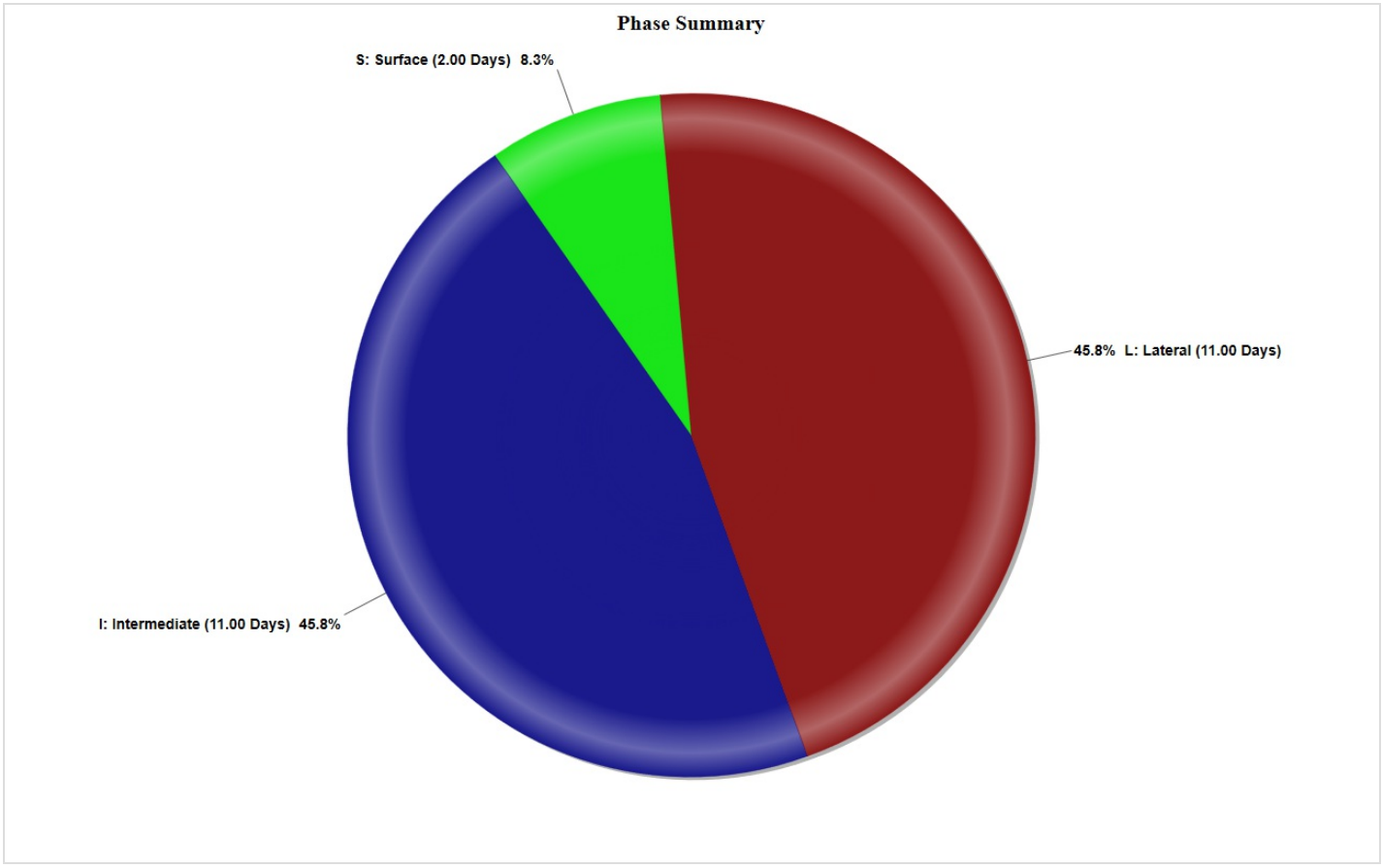
Activity Summary

Dagger State Com 516H - Activity Summary



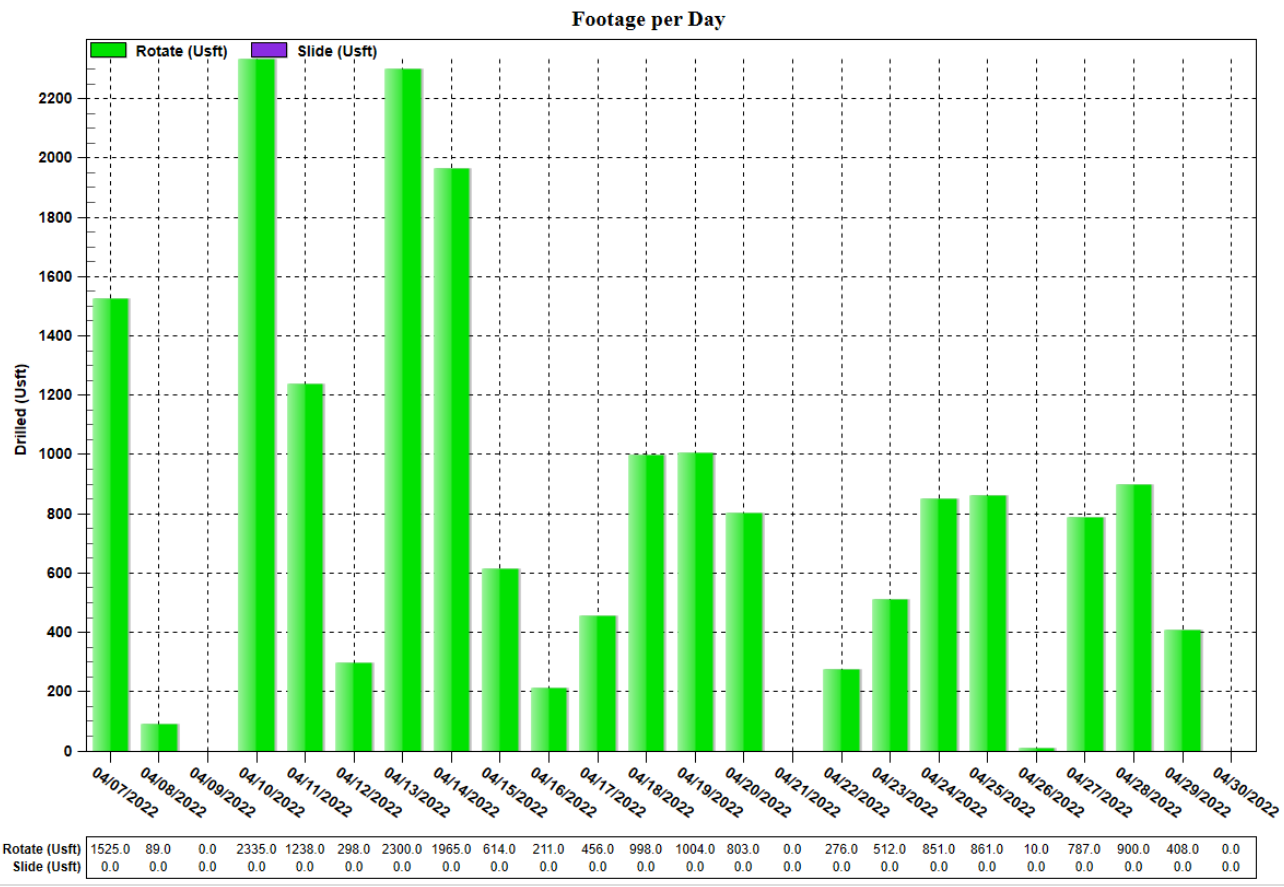
Phase Summary

Dagger State Com 516H - Phase Summary



Footage Per Day

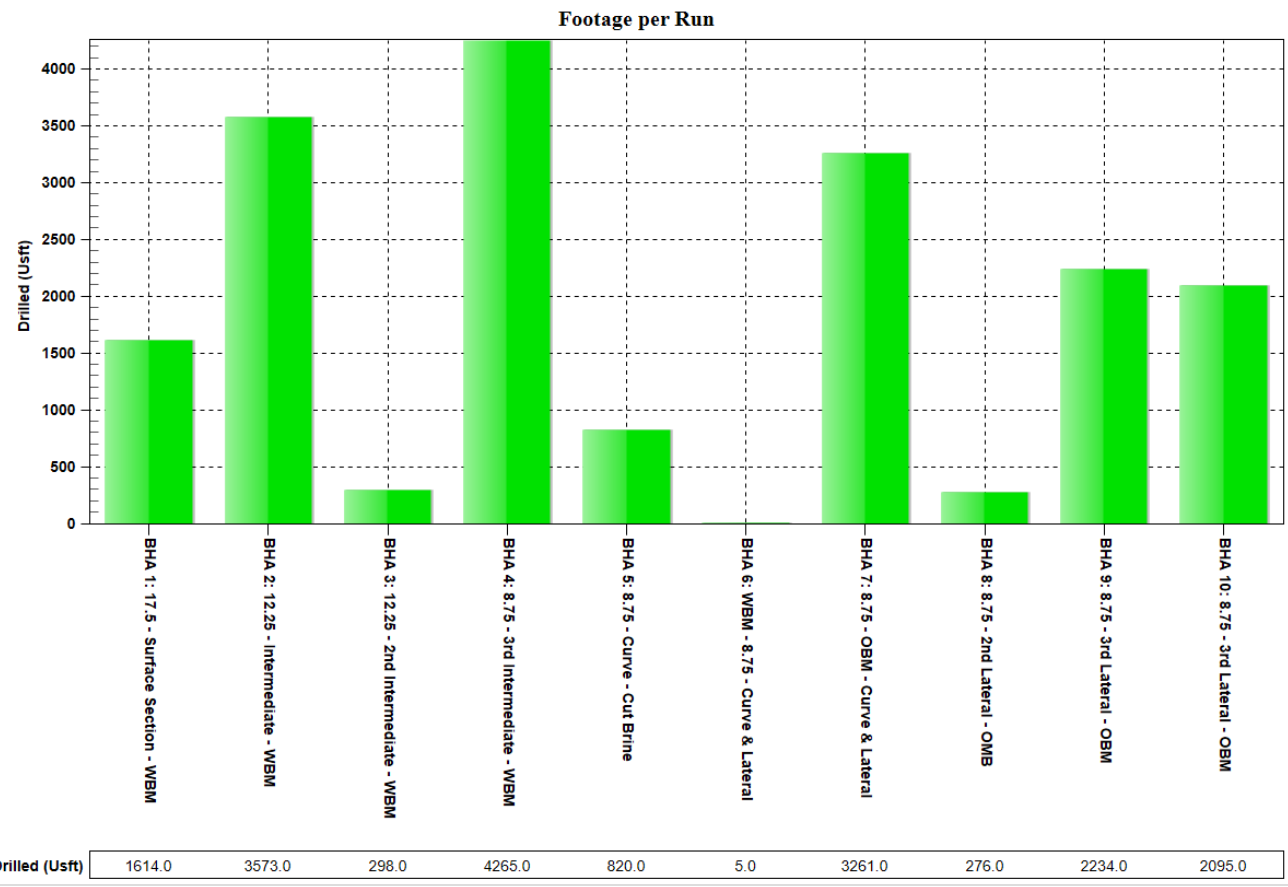
Dagger State Com 516H - Footage Per Day



	04/07/2022	04/08/2022	04/09/2022	04/10/2022	04/11/2022	04/12/2022	04/13/2022	04/14/2022	04/15/2022	04/16/2022	04/17/2022	04/18/2022	04/19/2022	04/20/2022	04/21/2022	04/22/2022	04/23/2022	04/24/2022	04/25/2022	04/26/2022	04/27/2022	04/28/2022	04/29/2022	04/30/2022
Rotate (Usft)	1525.0	89.0	0.0	2335.0	1238.0	298.0	2300.0	1965.0	614.0	211.0	456.0	998.0	1004.0	803.0	0.0	276.0	512.0	851.0	861.0	10.0	787.0	900.0	408.0	0.0
Slide (Usft)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Footage Per Run

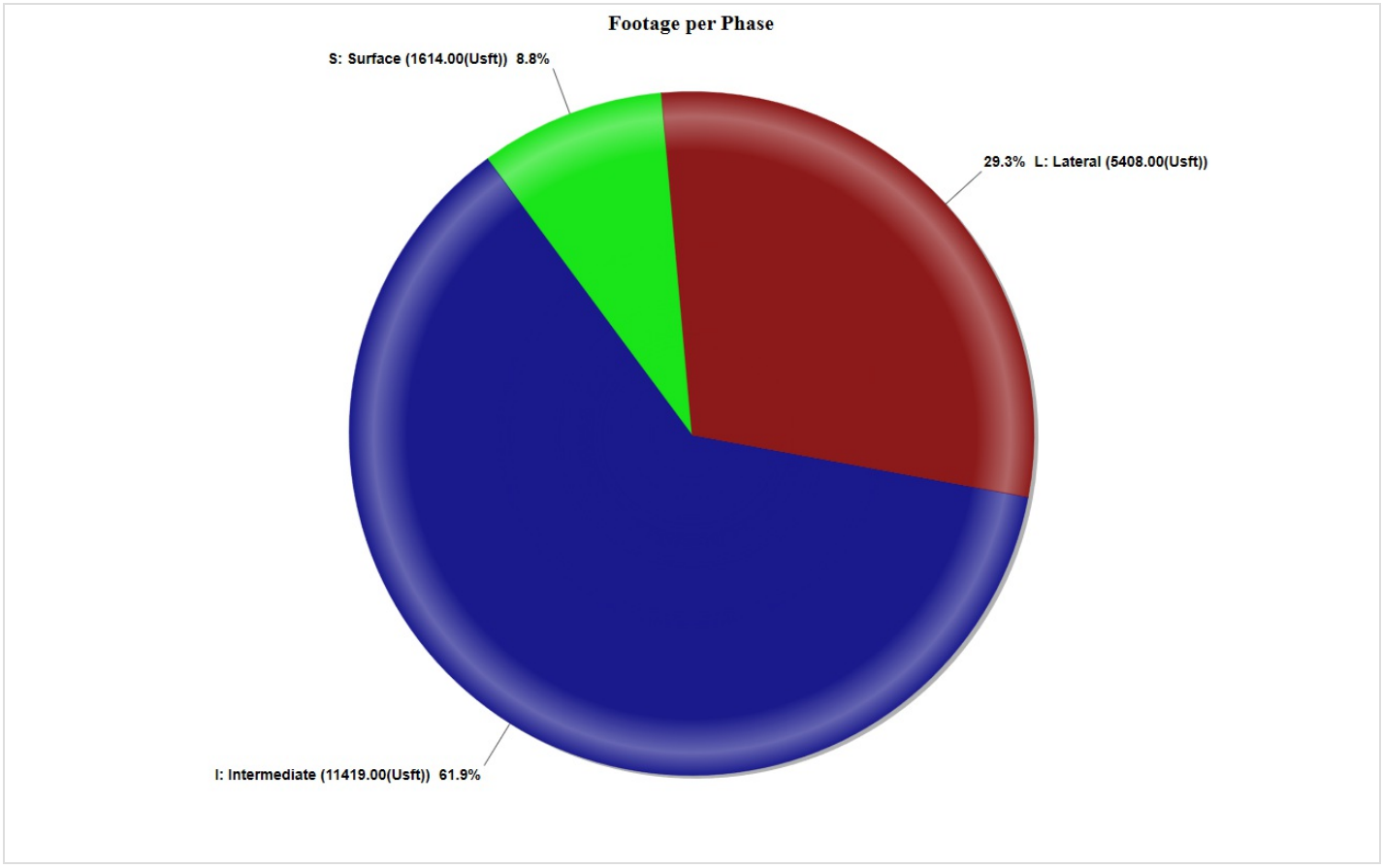
Dagger State Com 516H - Footage Per Run



	BHA 1: 17.5 - Surface Section - WBM	BHA 2: 12.25 - Intermediate - WBM	BHA 3: 12.25 - 2nd Intermediate - WBM	BHA 4: 8.75 - 3rd Intermediate - WBM	BHA 5: 8.75 - Curve - Cut Brine	BHA 6: WBM - 8.75 - Curve & Lateral	BHA 7: 8.75 - OBM - Curve & Lateral	BHA 8: 8.75 - 2nd Lateral - OMB	BHA 9: 8.75 - 3rd Lateral - OBM	BHA 10: 8.75 - 3rd Lateral - OBM
Drilled (Usft)	1614.0	3573.0	298.0	4265.0	820.0	5.0	3261.0	276.0	2234.0	2095.0

Footage Per Phase

	Dagger State Com 516H - Footage Per Phase	



Section - Five
Daily Drilling Activity Reports

Daily Drilling Report 04/07/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	1	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/07/2022	Report Time	00:00-24:00
	Daily Cost($)	6250.00	Well Cost($)	6250.00

24Hr Summary

To start drilling the surface section ... if no issues, We should have this complete within 8-10 hours

24Hr Lookahead

To have surface complete and begin to run casing

Drilling Summary	24Hr (BHA 1)	Run (BHA 1)	Casing Data		Fluids			
Start Depth (Usft)			Csg Shoe MD(Usft)		600	8.00	%Sand	0.10
End Depth (Usft)	1525.00	1525.00	OD (in)		300	5.00	%Solids	12.40
Total Drilled (Usft)	1525	1525	Weight (ft/lbs)		200	3.00	Weight (ppg)	10.00
Slide Drilled (Usft)			Bit Data		100	2.00	Fluid Loss	
Rotary Drilled (Usft)	1525	1525	SN	5296623	6	1.00	PH	8.00
Drlg/Circ Hrs	20.25 / 0.00	20.25 / 0.00	Bit #	1	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	17.500	10s Gel	1.00	Oil/Water	0/87.6
Rotary Drilling Hrs	20.25	20.25	TFA	0.994	Temp(F)	94.00		
ROP Rot/Slide (Usft/hr)	75.31 / 0.00	75.31 / 0.00	Grade In	New	PV	3.00		
BRT Hrs	21.25	20.25	Grade Out		YP	2.00		
%Slide			Make	Baker Hughes	Viscosity	30.00		
%Rotary	100.00	100.00	Model	Baker Hughes	Chlorides	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Baker T606KS w/9x12s - 0.99 (9x12)	17.500					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.60	37.95
17 Stabilizer	8.250	2.812				6.03	43.98
NM UBHO	7.875	3.750				3.20	47.18
NM Drill Collar	7.875	3.750				29.97	77.15
NM Pony Collar	8.000	3.250				15.88	93.03
Crossover CET54 B x 6 5/8 REG P	7.875	2.750				3.29	96.32
							96.32

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT20303	Tally	Tally 8 7:8 5.9	7/8	5.36	1.75	0.17	FBH	5.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277.00	0.79	40.45	276.99	1.45	1.24	0.29	40.45	1.51	0.29	0.00	277.00
427.00	0.88	7.14	426.98	3.38	2.05	0.32	-96.44	3.47	0.06	0.00	150.00
489.00	0.92	8.64	488.97	4.35	2.19	0.07	31.25	4.44	0.06	0.00	62.00
670.00	0.66	289.62	669.96	6.13	1.42	0.57	-140.79	6.19	-0.14	0.00	181.00
760.00	0.84	281.98	759.95	6.45	0.29	0.23	-32.91	6.45	0.20	0.00	90.00
851.00	0.97	259.21	850.94	6.44	-1.12	0.42	-81.75	6.38	0.14	0.00	91.00
941.00	1.36	248.58	940.92	5.91	-2.86	0.49	-34.38	5.77	0.43	0.00	90.00
1031.00	1.36	243.92	1030.89	5.05	-4.82	0.12	-92.33	4.82	0.00	0.00	90.00
1122.00	1.41	242.78	1121.87	4.06	-6.78	0.06	-29.43	3.75	0.05	0.00	91.00
1212.00	1.67	234.78	1211.83	2.80	-8.84	0.37	-43.63	2.40	0.29	0.00	90.00
1308.00	1.76	225.99	1307.79	0.97	-11.04	0.29	-75.54	0.47	0.09	-9.16	96.00
1403.00	1.67	214.56	1402.75	-1.19	-12.87	0.37	-110.41	-1.77	-0.09	-12.03	95.00
1498.00	1.49	197.78	1497.71	-3.50	-14.04	0.52	-119.51	-4.13	-0.19	-17.66	95.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	75.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	75.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/07/2022	00:00	01:00	1.00	0.00	0.00	0.00	S	1: 17.5 - Surface Section - WBM	23E	Remote & MWD only
04/07/2022	01:00	03:45	2.75	0.00	0.00	0.00	S	1: 17.5 - Surface Section - WBM	6O	Remote & MWD only
04/07/2022	03:45	24:00	20.25	0.00	1525.00	1525.00	S	1: 17.5 - Surface Section - WBM	2K	Remote & MWD only

Daily Drilling Report 04/08/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	2	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/08/2022	Report Time	00:00-24:00
	Daily Cost($)	3950.00	Well Cost($)	10200.00

24Hr Summary

Finish up the surface section, POOH & start running casing

24Hr Lookahead

After casing running casing & cementing ... They are going to nipple up the BOP stack

Drilling Summary	24Hr (BHA 1)	Run (BHA 1)	Casing Data		Fluids			
Start Depth (Usft)	1525.00		Csg Shoe MD(Usft)		600	8.00	%Sand	0.10
End Depth (Usft)	1614.00	1614.00	OD (in)		300	5.00	%Solids	12.40
Total Drilled (Usft)	89	1614	Weight (ft/lbs)		200	3.00	Weight (ppg)	10.00
Slide Drilled (Usft)			Bit Data		100	2.00	Fluid Loss	
Rotary Drilled (Usft)	89	1614	SN	5296623	6	1.00	PH	8.00
Drlg/Circ Hrs	4.05 / 1.43	24.30 / 1.43	Bit #	1	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	17.500	10s Gel	1.00	Oil/Water	0/87.6
Rotary Drilling Hrs	4.05	24.30	TFA	0.994	Temp(F)	94.00		
ROP Rot/Slide (Usft/hr)	21.98 / 0.00	66.42 / 0.00	Grade In	New	PV	3.00		
BRT Hrs	24.00	28.25	Grade Out		YP	2.00		
%Slide			Make	Baker Hughes	Viscosity	30.00		
%Rotary	100.00	100.00	Model	Baker Hughes	Chlorides	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Baker T606KS w/9x12s - 0.99 (9x12)	17.500					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.60	37.95
17 Stabilizer	8.250	2.812				6.03	43.98
NM UBHO	7.875	3.750				3.20	47.18
NM Drill Collar	7.875	3.750				29.97	77.15
NM Pony Collar	8.000	3.250				15.88	93.03
Crossover CET54 B x 6 5/8 REG P	7.875	2.750				3.29	96.32
							96.32

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT20303	Tally	Tally 8 7:8 5.9	7/8	5.36	1.75	0.17	FBH	5.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
1555.00	1.23	198.57	1554.70	-4.79	-14.46	0.46	176.27	-5.44	-0.46	0.00	57.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	21.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	66.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/08/2022	00:00	04:03	4.05	1525.00	1614.00	89.00	S	1: 17.5 - Surface Section - WBM	2K	Remote & MWD only
04/08/2022	04:03	05:29	1.43	1614.00	1614.00	0.00	S	1: 17.5 - Surface Section - WBM	5A	Remote & MWD only
04/08/2022	05:29	07:00	1.52	1614.00	1614.00	0.00	S	1: 17.5 - Surface Section - WBM	6A	Remote & MWD only
04/08/2022	07:00	08:00	1.00	1614.00	1614.00	0.00	S	1: 17.5 - Surface Section - WBM	6P	Remote & MWD only
04/08/2022	08:00	24:00	16.00	1614.00	1614.00	0.00	S	1: 17.5 - Surface Section - WBM	24B	Remote & MWD only

Daily Drilling Report 04/09/2022

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job # / AFE #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	3	**Well**	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Rig:	Nabors X12	**County / State**	Lea / New Mexico
Date:	04/09/2022	**Report Time**	00:00-24:00
Daily Cost($)	5600.00	**Well Cost($)**	15800.00

24Hr Summary

Picking up BHA #2 ... Good surface test. After tripping in ... they slipped and cut before drilling out the float ... Were going to be digging in fresh dirt and getting after this intermediate

24Hr Lookahead

To have tools picked up and begin drilling the intermediate section of the well bore

Drilling Summary	24Hr (BHA 2/BHA 1)	Run (BHA 2)	Casing Data		Fluids			
Start Depth (Usft)	1614.00	1614.00	**Csg Shoe MD(Usft)**		**600**	3.00	**%Sand**	
End Depth (Usft)	1614.00	1614.00	**OD (in)**		**300**	2.00	**%Solids**	11.20
Total Drilled (Usft)			**Weight (ft/lbs)**		**200**	1.00	**Weight (ppg)**	10.00
Slide Drilled (Usft)			**Bit Data**		**100**	1.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**	5296623	**6**	1.00	**PH**	8.00
Drlg/Circ Hrs		0.00 / 0.07	**Bit #**	1	**3**	1.00	**Mud Type**	WBM
Slide Drilling Hrs			**OD (in)**	17.500	**10s Gel**	1.00	**Oil/Water**	N/A / 88.8
Rotary Drilling Hrs			**TFA**	0.994	**Temp(F)**	0.00		
ROP Rot/Slide (Usft/hr)			**Grade In**	New	**PV**	1.00		
BRT Hrs	22.50	1.00	**Grade Out**		**YP**	1.00		
%Slide			**Make**	Baker Hughes	**Viscosity**	28.00		
%Rotary			**Model**	Baker Hughes	**Chlorides**	186000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Baker T606KS w/9x12s - 0.99 (9x12)	17.500					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.60	37.95
17 Stabilizer	8.250	2.812				6.03	43.98
NM UBHO	7.875	3.750				3.20	47.18
NM Drill Collar	7.875	3.750				29.97	77.15
NM Pony Collar	8.000	3.250				15.88	93.03
Crossover CET54 B x 6 5/8 REG P	7.875	2.750				3.29	96.32
							96.32

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT20303	Tally	Tally 8 7:8 5.9	7/8	5.36	1.75	0.17	FBH	5.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	66.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/09/2022	00:00	21:30	21.50	1614.00	1614.00	0.00	I	1: 17.5 - Surface Section - WBM	24B	Remote & MWD only
04/09/2022	21:30	23:00	1.50	1614.00	1614.00	0.00	I	2: 12.25 - Intermediate - WBM	6O	Remote & MWD only
04/09/2022	23:00	23:41	0.68	1614.00	1614.00	0.00	I	2: 12.25 - Intermediate - WBM	6A	Remote & MWD only
04/09/2022	23:41	23:45	0.07	1614.00	1614.00	0.00	I	2: 12.25 - Intermediate - WBM	10B	Remote & MWD only
04/09/2022	23:45	24:00	0.25	1614.00	1614.00	0.00	I	2: 12.25 - Intermediate - WBM	6A	Remote & MWD only

Daily Drilling Report 04/10/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE#		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	4	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/10/2022	Report Time	00:00-24:00
	Daily Cost($)	3950.00	Well Cost($)	19750.00

24Hr Summary

Picking up BHA #2 ... Good surface test. When they got in the hole they slip and cut drilling before drilling out the float ... Were going to be digging in fresh dirt and getting after this intermediate

24Hr Lookahead

To continue to drill ahead in the intermediate section until TD or a bit trip

Drilling Summary	24Hr (BHA 2)	Run (BHA 2)	Casing Data		Fluids			
Start Depth (Usft)	1614.00	1614.00	Csg Shoe MD(Usft)		600	8.00	%Sand	0.10
End Depth (Usft)	3949.00	3949.00	OD (in)		300	5.00	%Solids	12.40
Total Drilled (Usft)	2335	2335	Weight (ft/lbs)		200	3.00	Weight (ppg)	10.00
Slide Drilled (Usft)			Bit Data		100	2.00	Fluid Loss	
Rotary Drilled (Usft)	2335	2335	SN	6026498	6	1.00	PH	8.00
Drlg/Circ Hrs	19.80 / 0.00	19.80 / 0.07	Bit #	2	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	12.250	10s Gel	1.00	Oil/Water	0/87.6
Rotary Drilling Hrs	19.80	19.80	TFA	1.167	Temp(F)	94.00		
ROP Rot/Slide (Usft/hr)	117.93 / 0.00	117.93 / 0.00	Grade In	New	PV	3.00		
BRT Hrs	24.00	25.00	Grade Out		YP	2.00		
%Slide			Make	Varel	Viscosity	30.00		
%Rotary	100.00	100.00	Model	Varel	Chlorides	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Varel VION-616 w/9x13s - 1.17 (9x13)	12.250					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.60	37.95
11.75 Stabilizer	8.000	2.875				4.02	41.97
NM UBHO Sub	7.875	3.250				3.20	45.17
NM Drill Collar	7.875	3.750				29.97	75.14
NM Pony Collar	8.000	3.250				15.88	91.02
							91.02

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT20303	Tally	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	7/8	5.58	1.75	0.15	FBH	5.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
1677.00	2.24	108.92	1676.66	-6.80	-12.62	2.09	-118.49	-7.37	0.83	0.00	122.00
1773.00	5.19	101.80	1772.44	-8.30	-6.59	3.10	-12.45	-8.59	3.07	-7.42	96.00
1869.00	5.45	99.96	1868.03	-9.98	2.15	0.32	-34.19	-9.87	0.27	-1.92	96.00
1964.00	4.57	113.40	1962.67	-12.26	10.06	1.54	133.43	-11.79	-0.93	14.15	95.00
2060.00	4.34	122.46	2058.38	-15.73	16.64	0.77	112.58	-14.96	-0.24	9.44	96.00
2156.00	4.26	139.86	2154.12	-20.40	22.00	1.36	102.16	-19.39	-0.08	18.13	96.00
2253.00	4.48	144.96	2250.83	-26.26	26.50	0.46	63.04	-25.04	0.23	5.26	97.00
2347.00	4.26	146.36	2344.56	-32.17	30.54	0.26	154.83	-30.76	-0.23	1.49	94.00
2443.00	4.92	135.99	2440.25	-38.10	35.38	1.10	-56.75	-36.46	0.69	-10.80	96.00
2538.00	5.58	128.87	2534.86	-43.93	41.80	0.97	-48.21	-42.00	0.69	-7.49	95.00
2634.00	5.89	124.39	2630.38	-49.64	49.50	0.57	-57.54	-47.35	0.32	-4.67	96.00
2729.00	5.89	120.70	2724.87	-54.88	57.72	0.40	-91.84	-52.22	0.00	-3.88	95.00
2825.00	6.15	119.99	2820.34	-59.97	66.41	0.28	-16.33	-56.91	0.27	-0.74	96.00
2920.00	6.51	122.19	2914.77	-65.38	75.37	0.46	35.07	-61.91	0.38	2.32	95.00
3016.00	5.89	127.29	3010.20	-71.26	83.90	0.86	140.90	-67.40	-0.65	5.31	96.00
3112.00	5.76	124.92	3105.71	-77.01	91.76	0.28	-119.57	-72.78	-0.14	-2.47	96.00
3208.00	5.49	123.95	3201.25	-82.33	99.52	0.30	-161.08	-77.75	-0.28	-1.01	96.00
3303.00	4.97	124.83	3295.85	-87.22	106.67	0.55	171.67	-82.31	-0.55	0.93	95.00
3399.00	5.10	129.05	3391.48	-92.28	113.40	0.41	72.77	-87.06	0.14	4.40	96.00
3495.00	5.32	142.32	3487.09	-98.49	119.43	1.27	86.31	-92.99	0.23	13.82	96.00
3590.00	4.62	140.82	3581.73	-104.94	124.54	0.75	-170.23	-99.21	-0.74	-1.58	95.00
3685.00	4.40	142.58	3676.44	-110.80	129.17	0.27	148.70	-104.85	-0.23	1.85	95.00
3781.00	3.87	142.41	3772.19	-116.29	133.39	0.55	-178.76	-110.15	-0.55	-0.18	96.00
3877.00	3.65	141.70	3867.98	-121.26	137.26	0.23	-168.40	-114.93	-0.23	-0.74	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	117.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	117.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity									
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/10/2022	00:00	04:12	4.20	1614.00	1614.00	0.00	I	2: 12.25 - Intermediate - WBM	6A	Remote & MWD only
04/10/2022	04:12	05:08	0.93	1614.00	1614.00	0.00	I	2: 12.25 - Intermediate - WBM	2F	Remote & MWD only
04/10/2022	05:08	24:00	18.87	1614.00	3949.00	2335.00	I	2: 12.25 - Intermediate - WBM	2K	Remote & MWD only

Daily Drilling Report 04/11/2022

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job # / AFE#		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	5	**Well**	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Rig:	Nabors X12	**County / State**	Lea / New Mexico
Date:	04/11/2022	**Report Time**	00:00-24:00
Daily Cost($)	6500.00	**Well Cost($)**	26250.00

24Hr Summary

Pick up BHA#3 to finish off the intermediate @ 5485 ... We should be running casing and cementing today

24Hr Lookahead

To have casing ran and cement finish ... Standing by

Drilling Summary	24Hr (BHA 3/BHA 2)	Run (BHA 3)	Casing Data		Fluids			
Start Depth (Usft)	3949.00	5187.00	**Csg Shoe MD(Usft)**		**600**	8.00	**%Sand**	0.10
End Depth (Usft)	5187.00	5187.00	**OD (in)**		**300**	5.00	**%Solids**	12.40
Total Drilled (Usft)	1238		**Weight (ft/lbs)**		**200**	3.00	**Weight (ppg)**	10.00
Slide Drilled (Usft)			**Bit Data**		**100**	2.00	**Fluid Loss**	
Rotary Drilled (Usft)	1238		**SN**	6026498	**6**	1.00	**PH**	8.00
Drlg/Circ Hrs	14.17 / 0.55	0.00 / 0.07	**Bit #**	2	**3**	1.00	**Mud Type**	WBM
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	1.00	**Oil/Water**	0/87.6
Rotary Drilling Hrs	14.17		**TFA**	1.167	**Temp(F)**	94.00		
ROP Rot/Slide (Usft/hr)	87.39 / 0.00		**Grade In**	New	**PV**	3.00		
BRT Hrs	22.23	3.23	**Grade Out**		**YP**	2.00		
%Slide			**Make**	Varel	**Viscosity**	30.00		
%Rotary	100.00		**Model**	Varel	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Varel VION-616 w/9x13s - 1.17 (9x13)	12.250					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.60	37.95
11.75 Stabilizer	8.000	2.875				4.02	41.97
NM UBHO Sub	7.875	3.250				3.20	45.17
NM Drill Collar	7.875	3.750				29.97	75.14
NM Pony Collar	8.000	3.250				15.88	91.02
							91.02

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT20303	Tally	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	7/8	5.58	1.75	0.15	FBH	5.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
3972.00	4.97	142.32	3962.71	-126.89	141.65	1.39	2.33	-120.36	1.39	0.65	95.00
4068.00	6.59	143.46	4058.22	-134.61	147.47	1.69	4.62	-127.81	1.69	1.19	96.00
4164.00	6.86	145.48	4153.56	-143.76	154.00	0.37	42.23	-136.65	0.28	2.10	96.00
4260.00	5.45	145.75	4249.00	-152.25	159.81	1.47	178.96	-144.87	-1.47	0.28	96.00
4355.00	5.10	146.98	4343.60	-159.52	164.65	0.39	162.71	-151.92	-0.37	1.29	95.00
4451.00	5.19	148.03	4439.21	-166.78	169.28	0.14	46.82	-158.96	0.09	1.09	96.00
4546.00	5.14	147.94	4533.83	-174.03	173.81	0.05	-170.84	-166.00	-0.05	-0.09	95.00
4642.00	4.79	146.80	4629.46	-181.03	178.29	0.38	-164.82	-172.79	-0.36	-1.19	96.00
4738.00	4.44	147.59	4725.15	-187.52	182.48	0.37	170.10	-179.08	-0.36	0.82	96.00
4833.00	4.22	147.94	4819.88	-193.59	186.30	0.23	173.33	-184.97	-0.23	0.37	95.00
4929.00	3.91	149.61	4915.64	-199.40	189.83	0.35	159.93	-190.62	-0.32	1.74	96.00
5052.00	3.87	153.13	5038.36	-206.72	193.83	0.20	101.26	-197.75	-0.03	2.86	123.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	87.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	105.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/11/2022	00:00	14:10	14.17	3949.00	5187.00	1238.00	I	2: 12.25 - Intermediate - WBM	2K	Remote & MWD only
04/11/2022	14:10	14:39	0.48	5187.00	5187.00	0.00	I	2: 12.25 - Intermediate - WBM	5A	Remote & MWD only
04/11/2022	14:39	18:30	3.85	5187.00	5187.00	0.00	I	2: 12.25 - Intermediate - WBM	6B	Remote & MWD only
04/11/2022	18:30	19:00	0.50	5187.00	5187.00	0.00	I	2: 12.25 - Intermediate - WBM	6P	Remote & MWD only
04/11/2022	19:00	20:46	1.77	5187.00	5187.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	6O	Remote & MWD only
04/11/2022	20:46	20:50	0.07	5187.00	5187.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	10B	Remote & MWD only
04/11/2022	20:50	24:00	3.17	5187.00	5187.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	6A	Remote & MWD only

Daily Drilling Report 04/12/2022

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job # / AFE #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	6	**Well**	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Rig:	Nabors X12	**County / State**	Lea / New Mexico
Date:	04/12/2022	**Report Time**	00:00-24:00
Daily Cost($)	3950.00	**Well Cost($)**	30200.00

24Hr Summary

On stand by ... Waiting for rig to finish running casing and cement

24Hr Lookahead

To have cement complete then to start picking up BHA #4

Drilling Summary	24Hr (BHA 3)	Run (BHA 3)	Casing Data		Fluids			
Start Depth (Usft)	5187.00	5187.00	**Csg Shoe MD(Usft)**		**600**	8.00	**%Sand**	0.10
End Depth (Usft)	5485.00	5485.00	**OD (in)**		**300**	5.00	**%Solids**	12.40
Total Drilled (Usft)	298	298	**Weight (ft/lbs)**		**200**	3.00	**Weight (ppg)**	10.00
Slide Drilled (Usft)			**Bit Data**		**100**	2.00	**Fluid Loss**	
Rotary Drilled (Usft)	298	298	**SN**	56047	**6**	1.00	**PH**	8.00
Drlg/Circ Hrs	2.55 / 1.02	2.55 / 1.08	**Bit #**	3	**3**	1.00	**Mud Type**	WBM
Slide Drilling Hrs			**OD (in)**	12.250	**10s Gel**	1.00	**Oil/Water**	0/87.6
Rotary Drilling Hrs	2.55	2.55	**TFA**	1.109	**Temp(F)**	94.00		
ROP Rot/Slide (Usft/hr)	116.86 / 0.00	116.86 / 0.00	**Grade In**	New	**PV**	3.00		
BRT Hrs	24.00	13.73	**Grade Out**		**YP**	2.00		
%Slide			**Make**	Ulterra	**Viscosity**	30.00		
%Rotary	100.00	100.00	**Model**	Ulterra	**Chlorides**	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Ulterra RPS616 w/6x13s, 3x12s - 1.11 (6x13, 3x12)	12.250					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.79	38.14
11.75 Stabilizer	8.000					6.55	44.69
NM UBHO	7.875	3.250				3.20	47.89
NM Drill Collar	7.875	3.750				29.97	77.86
NM Pony Collar	8.000	3.250				15.88	93.74
Crossover CET54 B x 6 5/8 REG P	7.875	2.750				3.29	97.03
							97.03

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT-20314	Tally	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	7/8	5.80	1.75	0.17	FBH	5.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
5215.00	5.10	134.41	5200.86	-216.70	201.49	1.16	-59.55	-207.38	0.75	-11.48	163.00
5311.00	4.92	132.30	5296.50	-222.46	207.58	0.27	-135.38	-212.85	-0.19	-2.20	96.00
5405.00	4.48	133.53	5390.18	-227.70	213.23	0.48	167.71	-217.83	-0.47	1.31	94.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	116.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	116.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/12/2022	00:00	02:33	2.55	5187.00	5485.00	298.00	I	3: 12.25 - 2nd Intermediate - WBM	2K	Remote & MWD only
04/12/2022	02:33	03:34	1.02	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	5A	Remote & MWD only
04/12/2022	03:34	09:30	5.93	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	6B	Remote & MWD only
04/12/2022	09:30	10:30	1.00	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	6P	Remote & MWD only
04/12/2022	10:30	21:15	10.75	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	12B	Remote & MWD only
04/12/2022	21:15	24:00	2.75	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	12E	Remote & MWD only

Daily Drilling Report 04/13/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE#		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	7	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/13/2022	Report Time	00:00-24:00
	Daily Cost($)	5800.00	Well Cost($)	36000.00

24Hr Summary

Well be done with cementing. Going to be picking up BHA#4 in a few hours ... Looking good here

24Hr Lookahead

To have BHA#4 picked up and drilling in the intermediate section

Drilling Summary	24Hr (BHA 4/BHA 3)	Run (BHA 4)	Casing Data		Fluids			
Start Depth (Usft)	5485.00	5485.00	Csg Shoe MD(Usft)		600	8.00	%Sand	0.10
End Depth (Usft)	7785.00	7785.00	OD (in)		300	5.00	%Solids	12.40
Total Drilled (Usft)	2300	2300	Weight (ft/lbs)		200	3.00	Weight (ppg)	10.00
Slide Drilled (Usft)			Bit Data		100	2.00	Fluid Loss	
Rotary Drilled (Usft)	2300	2300	SN	56047	6	1.00	PH	8.00
Drlg/Circ Hrs	10.15 / 0.08	10.15 / 0.08	Bit #	3	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	12.250	10s Gel	1.00	Oil/Water	0/87.6
Rotary Drilling Hrs	10.15	10.15	TFA	1.109	Temp(F)	94.00		
ROP Rot/Slide (Usft/hr)	226.60 / 0.00	226.60 / 0.00	Grade In	New	PV	3.00		
BRT Hrs	22.50	16.50	Grade Out		YP	2.00		
%Slide			Make	Ulterra	Viscosity	30.00		
%Rotary	100.00	100.00	Model	Ulterra	Chlorides	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Ulterra RPS616 w/6x13s, 3x12s - 1.11 (6x13, 3x12)	12.250					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000					36.79	38.14
11.75 Stabilizer	8.000					6.55	44.69
NM UBHO	7.875	3.250				3.20	47.89
NM Drill Collar	7.875	3.750				29.97	77.86
NM Pony Collar	8.000	3.250				15.88	93.74
Crossover CET54 B x 6 5/8 REG P	7.875	2.750				3.29	97.03
							97.03

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
GDT-20314	Tally	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	7/8	5.80	1.75	0.17	FBH	5.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
5514.00	3.65	135.55	5498.91	-233.11	218.74	0.77	171.22	-222.99	-0.76	1.85	109.00
5610.00	3.56	135.90	5594.72	-237.43	222.96	0.10	166.43	-227.11	-0.09	0.36	96.00
5706.00	3.43	133.79	5690.54	-241.56	227.11	0.19	-136.35	-231.05	-0.14	-2.20	96.00
5801.00	3.34	131.42	5785.37	-245.36	231.23	0.18	-123.93	-234.66	-0.09	-2.49	95.00
5897.00	3.25	131.16	5881.21	-249.00	235.38	0.10	-170.70	-238.11	-0.09	-0.27	96.00
5993.00	3.82	137.92	5977.03	-253.16	239.57	0.73	39.58	-242.08	0.59	7.04	96.00
6088.00	4.48	139.33	6071.78	-258.32	244.11	0.70	9.49	-247.03	0.69	1.48	95.00
6183.00	4.48	140.38	6166.49	-264.00	248.89	0.09	90.52	-252.48	0.00	1.11	95.00
6279.00	4.53	139.59	6262.19	-269.77	253.74	0.08	-51.53	-258.03	0.05	-0.82	96.00
6375.00	4.53	140.21	6357.89	-275.57	258.63	0.05	90.31	-263.60	0.00	0.65	96.00
6470.00	4.57	140.56	6452.59	-281.38	263.43	0.05	34.94	-269.19	0.04	0.37	95.00
6566.00	4.57	139.68	6548.29	-287.25	268.33	0.07	-90.44	-274.83	0.00	-0.92	96.00
6662.00	4.31	139.15	6644.00	-292.89	273.17	0.27	-171.30	-280.25	-0.27	-0.55	96.00
6757.00	4.13	138.89	6738.74	-298.17	277.75	0.19	-174.06	-285.31	-0.19	-0.27	95.00
6853.00	3.87	139.07	6834.51	-303.22	282.15	0.27	177.32	-290.16	-0.27	0.19	96.00
6949.00	3.82	139.33	6930.29	-308.09	286.35	0.06	160.91	-294.84	-0.05	0.27	96.00
7045.00	3.78	138.28	7026.08	-312.88	290.54	0.08	-120.41	-299.43	-0.04	-1.09	96.00
7141.00	3.65	138.63	7121.88	-317.54	294.67	0.14	170.28	-303.90	-0.14	0.36	96.00
7236.00	3.87	140.91	7216.68	-322.29	298.69	0.28	35.34	-308.47	0.23	2.40	95.00
7332.00	3.43	141.53	7312.48	-327.06	302.52	0.46	175.18	-313.05	-0.46	0.65	96.00
7428.00	3.43	142.76	7408.31	-331.59	306.04	0.08	90.61	-317.42	0.00	1.28	96.00
7523.00	3.34	143.72	7503.14	-336.09	309.40	0.11	148.28	-321.76	-0.09	1.01	95.00
7619.00	3.30	147.06	7598.98	-340.66	312.56	0.21	103.35	-326.19	-0.04	3.48	96.00
7715.00	3.25	148.65	7694.83	-345.30	315.48	0.11	119.62	-330.69	-0.05	1.66	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	226.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	204.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity									
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/13/2022	00:00	02:15	2.25	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	12E	Remote & MWD only
04/13/2022	02:15	06:00	3.75	5485.00	5485.00	0.00	I	3: 12.25 - 2nd Intermediate - WBM	23E	Remote & MWD only
04/13/2022	06:00	07:30	1.50	5485.00	5485.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	6O	Remote & MWD only
04/13/2022	07:30	09:12	1.70	5485.00	5485.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	7B	Remote & MWD only
04/13/2022	09:12	09:17	0.08	5485.00	5485.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	10B	Remote & MWD only
04/13/2022	09:17	13:51	4.57	5485.00	5485.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	6A	Remote & MWD only
04/13/2022	13:51	14:42	0.85	5485.00	5485.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	2F	Remote & MWD only
04/13/2022	14:42	24:00	9.30	5485.00	7785.00	2300.00	I	4: 8.75 - 3rd Intermediate - WBM	2K	Remote & MWD only

Daily Drilling Report 04/14/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	8	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/14/2022	Report Time	00:00-24:00
	Daily Cost($)	3950.00	Well Cost($)	39950.00

24Hr Summary

We are going to be drilling in the intermediate section of the well bore until 9900 ft. Then we will POOH and pick up the curve assembly

24Hr Lookahead

To have this section complete and pick upthe curve assembly

Drilling Summary	24Hr (BHA 4)	Run (BHA 4)	Casing Data		Fluids			
Start Depth (Usft)	7785.00	5485.00	Csg Shoe MD(Usft)		600	8.00	%Sand	0.10
End Depth (Usft)	9750.00	9750.00	OD (in)		300	5.00	%Solids	12.40
Total Drilled (Usft)	1965	4265	Weight (ft/lbs)		200	3.00	Weight (ppg)	10.00
Slide Drilled (Usft)			Bit Data		100	2.00	Fluid Loss	
Rotary Drilled (Usft)	1965	4265	SN	A283638	6	1.00	PH	8.00
Drlg/Circ Hrs	17.98 / 0.20	28.13 / 0.28	Bit #	4	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	1.00	Oil/Water	0/87.6
Rotary Drilling Hrs	17.98	28.13	TFA	1.035	Temp(F)	94.00		
ROP Rot/Slide (Usft/hr)	109.27 / 0.00	151.60 / 0.00	Grade In	New	PV	3.00		
BRT Hrs	24.00	40.33	Grade Out		YP	2.00		
%Slide			Make	Reed Hycalog	Viscosity	30.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	800.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC66 AZ2 w/6x15s - 1.03 (6x15)	8.750					1.00	1.00
7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50	7.250					36.15	37.15
8.5 STABILIZER	6.750	2.813				6.27	43.42
NM UBHO	6.750	3.250				3.07	46.49
6.75 NMDC	6.750	2.813				28.91	75.40
6.75 NMDC	6.750	3.000				28.29	103.69
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	107.11
							107.11

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
RVDF70037	Rival	RIVAL 6:7 10.7	6/7	3.66	1.50	0.31	FBH	10.7

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
7811.00	3.08	150.58	7790.68	-349.87	318.16	0.21	148.88	-335.14	-0.18	2.01	96.00
7907.00	2.95	153.83	7886.55	-354.34	320.52	0.22	128.87	-339.49	-0.14	3.39	96.00
8002.00	2.99	155.85	7981.42	-358.79	322.61	0.12	70.09	-343.85	0.04	2.13	95.00
8097.00	4.04	147.94	8076.24	-363.89	325.40	1.21	-28.77	-348.81	1.11	-8.33	95.00
8193.00	5.05	144.43	8171.94	-370.19	329.65	1.09	-17.15	-354.92	1.05	-3.66	96.00
8289.00	5.01	146.63	8267.57	-377.13	334.41	0.21	102.81	-361.63	-0.04	2.29	96.00
8384.00	5.01	146.01	8362.20	-384.03	339.01	0.06	-90.31	-368.32	0.00	-0.65	95.00
8480.00	4.92	147.24	8457.84	-390.97	343.59	0.15	130.82	-375.04	-0.09	1.28	96.00
8575.00	4.75	150.93	8552.51	-397.83	347.70	0.37	120.49	-381.71	-0.18	3.88	95.00
8670.00	4.66	152.69	8647.19	-404.70	351.38	0.18	122.82	-388.41	-0.09	1.85	95.00
8766.00	5.23	144.60	8742.83	-411.73	355.71	0.94	-54.82	-395.24	0.59	-8.43	96.00
8862.00	5.89	135.38	8838.38	-418.80	361.70	1.15	-58.19	-402.03	0.69	-9.60	96.00
8957.00	5.67	132.21	8932.90	-425.43	368.60	0.41	-126.14	-408.34	-0.23	-3.34	95.00
9052.00	4.88	133.79	9027.49	-431.38	374.99	0.85	170.37	-413.99	-0.83	1.66	95.00
9148.00	4.66	135.02	9123.16	-436.96	380.70	0.25	155.68	-419.31	-0.23	1.28	96.00
9244.00	4.22	132.74	9218.87	-442.12	386.05	0.49	-159.28	-424.22	-0.46	-2.38	96.00
9339.00	4.22	131.07	9313.61	-446.78	391.25	0.13	-90.83	-428.65	0.00	-1.76	95.00
9435.00	3.56	135.11	9409.39	-451.22	396.02	0.74	159.46	-432.86	-0.69	4.21	96.00
9530.00	2.29	139.86	9504.27	-454.76	399.32	1.36	171.56	-436.25	-1.34	5.00	95.00
9626.00	1.36	147.50	9600.22	-457.18	401.17	1.00	169.14	-438.59	-0.97	7.96	96.00
9732.00	0.35	137.75	9706.20	-458.48	402.07	0.96	-176.66	-439.85	-0.95	0.00	106.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	109.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	151.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity									
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/14/2022	00:00	17:59	17.98	7785.00	9750.00	1965.00	I	4: 8.75 - 3rd Intermediate - WBM	2K	Remote & MWD only
04/14/2022	17:59	18:11	0.20	9750.00	9750.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	5A	Remote & MWD only
04/14/2022	18:11	23:30	5.32	9750.00	9750.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	6B	Remote & MWD only
04/14/2022	23:30	23:50	0.33	9750.00	9750.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	6P	Remote & MWD only
04/14/2022	23:50	24:00	0.17	9750.00	9750.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	24A	Getting the RES tool programmed

Daily Drilling Report 04/15/2022

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	9	Well	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
Rig:	Nabors X12	County / State	Lea / New Mexico
Date:	04/15/2022	Report Time	00:00-24:00
Daily Cost($)	25950.00	Well Cost($)	65900.00

24Hr Summary

TDd the intermediate section of the well bore. We are going to come out and pick up the curve assembly

24Hr Lookahead

After picking up the curve assembly, were going to trip to bottom and start building the curve

Drilling Summary	24Hr (BHA 5/BHA 4)	Run (BHA 5)	Casing Data		Fluids			
Start Depth (Usft)	9750.00	9750.00	Csg Shoe MD(Usft)		600	5.00	%Sand	0.10
End Depth (Usft)	10364.00	10364.00	OD (in)		300	3.00	%Solids	7.60
Total Drilled (Usft)	614	614	Weight (ft/lbs)		200	2.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	1.00	Fluid Loss	
Rotary Drilled (Usft)	614	614	SN	A283638	6	1.00	PH	8.00
Drlg/Circ Hrs	10.65 / 0.28	10.65 / 0.28	Bit #	4	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	1.00	Oil/Water	0/92.4
Rotary Drilling Hrs	10.65	10.65	TFA	1.035	Temp(F)	89.00		
ROP Rot/Slide (Usft/hr)	57.65 / 0.00	57.65 / 0.00	Grade In	New	PV	2.00		
BRT Hrs	23.00	17.00	Grade Out		YP	1.00		
%Slide			Make	Reed Hycalog	Viscosity	28.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	70000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC66 AZ2 w/6x15s - 1.03 (6x15)	8.750					1.00	1.00
7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50	7.250					36.15	37.15
8.5 STABILIZER	6.750	2.813				6.27	43.42
NM UBHO	6.750	3.250				3.07	46.49
6.75 NMDC	6.750	2.813				28.91	75.40
6.75 NMDC	6.750	3.000				28.29	103.69
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	107.11
							107.11

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
RVDF70037	Rival	RIVAL 6:7 10.7	6/7	3.66	1.50	0.31	FBH	10.7

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
9779.00	4.66	53.02	9753.15	-457.44	403.69	9.87	-89.03	-438.73	9.17	0.00	47.00
9827.00	8.49	51.79	9800.83	-454.08	408.03	7.98	-2.72	-435.17	7.98	-2.56	48.00
9875.00	11.34	27.09	9848.13	-447.68	412.97	10.54	-68.76	-428.56	5.94	-51.46	48.00
9922.00	15.39	18.39	9893.85	-437.64	417.04	9.60	-30.69	-418.35	8.62	-18.51	47.00
9969.00	20.26	12.06	9938.58	-423.76	420.71	11.14	-24.74	-404.31	10.36	-13.47	47.00
10017.00	24.35	5.56	9982.99	-405.77	423.41	9.94	-34.14	-386.22	8.52	-13.54	48.00
10113.00	35.34	2.84	10066.13	-358.19	426.71	11.53	-8.22	-338.54	11.45	-2.83	96.00
10208.00	46.51	0.38	10137.80	-296.09	428.31	11.88	-9.16	-276.43	11.76	-2.59	95.00
10304.00	55.82	359.85	10197.94	-221.39	428.43	9.71	-2.71	-201.81	9.70	-0.55	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	151.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/15/2022	00:00	06:00	6.00	9750.00	9750.00	0.00	I	4: 8.75 - 3rd Intermediate - WBM	24A	Programming RES tool
04/15/2022	06:00	07:00	1.00	9750.00	9750.00	0.00	I	5: 8.75 - Curve - Cut Brine	6O	Running Resistivity Tool
04/15/2022	07:00	07:17	0.28	9750.00	9750.00	0.00	I	5: 8.75 - Curve - Cut Brine	10B	Running Resistivity Tool
04/15/2022	07:17	13:21	6.07	9750.00	9750.00	0.00	I	5: 8.75 - Curve - Cut Brine	6A	Running Resistivity Tool
04/15/2022	13:21	24:00	10.65	9750.00	10364.00	614.00	I	5: 8.75 - Curve - Cut Brine	2K	Running Resistivity Tool

Daily Drilling Report 04/16/2022

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	10	Well	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
Rig:	Nabors X12	County / State	Lea / New Mexico
Date:	04/16/2022	Report Time	00:00-24:00
Daily Cost($)	25950.00	Well Cost($)	91850.00

24Hr Summary

Building the curve ... RES tool is decoding between 98-100% on the quality. NO issues to report on the tool. Learning curve and new feature

24Hr Lookahead

To have this curve landed and to come out and build the lateral assembley

Drilling Summary	24Hr (BHA 6/BHA 5)	Run (BHA 6)	Casing Data		Fluids			
Start Depth (Usft)	10364.00	10570.00	Csg Shoe MD(Usft)		600	5.00	%Sand	0.10
End Depth (Usft)	10575.00	10575.00	OD (in)		300	3.00	%Solids	7.60
Total Drilled (Usft)	211	5	Weight (ft/lbs)		200	2.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	1.00	Fluid Loss	
Rotary Drilled (Usft)	211	5	SN	60675	6	1.00	PH	8.00
Drlg/Circ Hrs	6.05 / 4.33	1.23 / 2.90	Bit #	5	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	1.00	Oil/Water	0/92.4
Rotary Drilling Hrs	6.05	1.23	TFA	0.000	Temp(F)	89.00		
ROP Rot/Slide (Usft/hr)	34.88 / 0.00	4.05 / 0.00	Grade In	New	PV	2.00		
BRT Hrs	21.75	11.25	Grade Out		YP	1.00		
%Slide			Make	Ulterra	Viscosity	28.00		
%Rotary	100.00	100.00	Model	Ulterra	Chlorides	70000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Ulterra CF611 w/6x14s	8.750					1.00	1.00
7 Rival 7:8 5.7 2.12 FBH w/SS	7.000					31.42	32.42
Resistivity Tool	6.700	2.875				24.82	57.24
Resistivity Tool NM Drill Collar	6.688	2.750				31.02	88.26
Resistivity Tool Hang Off Sub	6.688	2.875				7.31	95.57
Regular NM Drill Collar	7.000	2.750				31.02	126.59
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	130.01
							130.01

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
RVMA710014	Rival	7" Rival 7:8 5.7 2.12 FBH w/SS	7/8	0.00	2.12	0.24	FBH	5.7

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
10400.00	63.30	0.81	10246.54	-138.69	428.94	7.84	6.56	-119.16	7.79	1.00	96.00
10495.00	67.21	357.39	10286.31	-52.46	427.54	5.26	-39.19	-33.08	4.12	-3.60	95.00
10514.00	68.31	356.60	10293.50	-34.89	426.62	6.95	-33.76	-15.58	5.79	-4.16	19.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	42.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	53.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/16/2022	00:00	04:49	4.82	10364.00	10570.00	206.00	I	5: 8.75 - Curve - Cut Brine	2K	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	04:49	06:15	1.43	10570.00	10570.00	0.00	I	5: 8.75 - Curve - Cut Brine	5A	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	06:15	09:00	2.75	10570.00	10570.00	0.00	I	5: 8.75 - Curve - Cut Brine	6B	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	09:00	10:30	1.50	10570.00	10570.00	0.00	I	5: 8.75 - Curve - Cut Brine	6P	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	10:30	12:45	2.25	10570.00	10570.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	6O	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	12:45	13:06	0.35	10570.00	10570.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	10B	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	13:06	17:53	4.78	10570.00	10570.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	6A	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	17:53	18:45	0.87	10570.00	10570.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	20B	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	18:45	19:59	1.23	10570.00	10575.00	5.00	I	6: WBM - 8.75 - Curve & Lateral	2K	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	19:59	21:40	1.68	10575.00	10575.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	5A	Running Resistivity Tool with Tally Tool on stand by
04/16/2022	21:40	24:00	2.33	10575.00	10575.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	6B	Running Resistivity Tool with Tally Tool on stand by

Daily Drilling Report 04/17/2022

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	11	Well	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
Rig:	Nabors X12	County / State	Lea / New Mexico
Date:	04/17/2022	Report Time	00:00-24:00
Daily Cost($)	3950.00	Well Cost($)	95800.00

Drilling Summary	24Hr (BHA 7/BHA 6)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	10575.00	10575.00	Csg Shoe MD(Usft)		600	3.00	%Sand	0.10
End Depth (Usft)	11031.00	11031.00	OD (in)		300	2.00	%Solids	9.90
Total Drilled (Usft)	456	456	Weight (ft/lbs)		200	1.00	Weight (ppg)	9.80
Slide Drilled (Usft)			Bit Data		100	1.00	Fluid Loss	
Rotary Drilled (Usft)	456	456	SN	A282792	6	1.00	PH	8.00
Drlg/Circ Hrs	10.03 / 1.20	10.03 / 1.20	Bit #	6	3	1.00	Mud Type	WBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	1.00	Oil/Water	0/90.1
Rotary Drilling Hrs	10.03	10.03	TFA	1.052	Temp(F)	97.00		
ROP Rot/Slide (Usft/hr)	45.45 / 0.00	45.45 / 0.00	Grade In	New	PV	1.00		
BRT Hrs	23.00	17.50	Grade Out		YP	1.00		
%Slide			Make	Reed Hycalog	Viscosity	27.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	62000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.04	33.04
Resistivity Tool	7.000	2.875				24.82	57.86
Resistivity Tool NM Drill Collar	6.688	2.750				31.02	88.88
Resistivity Tool Hang Off Sub	6.688	2.750				7.27	96.15
NM Regular NM Drill Collar	6.875	3.312				32.01	128.16
Crossover CET 54 B X 4 1/2 IF P	6.875	2.810				3.42	131.58
							131.58

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70062	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
10587.00	72.26	356.42	10318.12	33.69	422.44	5.42	-2.49	52.74	5.41	-0.25	73.00
10683.00	86.46	359.06	10335.80	127.71	418.78	15.04	10.63	146.51	14.79	2.75	96.00
10779.00	91.25	0.29	10337.72	223.66	418.23	5.15	14.42	242.33	4.99	1.28	96.00
10875.00	89.98	0.29	10336.69	319.65	418.72	1.32	180.00	338.25	-1.32	0.00	96.00
10971.00	89.45	356.95	10337.17	415.61	416.41	3.52	-99.02	434.00	-0.55	-3.48	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	4.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/17/2022	00:00	02:30	2.50	10575.00	10575.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	6B	Running Resistivity Tool with Tally Tool on stand by
04/17/2022	02:30	05:30	3.00	10575.00	10575.00	0.00	I	6: WBM - 8.75 - Curve & Lateral	6P	Reprogramming the Resistivty Tool ... Didnt work, Building Tally Tool to pick up BHA #7
04/17/2022	05:30	06:30	1.00	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	6O	Laid down Resistivity Tool and pick up Tally Tool
04/17/2022	06:30	07:14	0.73	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	24A	Getting ready to test MWD
04/17/2022	07:14	07:18	0.07	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	10B	Surface Test: Good Test
04/17/2022	07:18	10:04	2.77	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	6A	Remote & MWD only / Resistivity Tool standing by
04/17/2022	10:04	10:50	0.77	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	9A	Remote & MWD only / Resistivity Tool standing by
04/17/2022	10:50	12:50	2.00	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	6A	Remote & MWD only / Resistivity Tool standing by
04/17/2022	12:50	13:58	1.13	10575.00	10575.00	0.00	I	7: 8.75 - OBM - Curve & Lateral	20B	Remote & MWD only / Resistivity Tool standing by
04/17/2022	13:58	24:00	10.03	10575.00	11031.00	456.00	I	7: 8.75 - OBM - Curve & Lateral	2K	Curve & Lateral Remote & MWD only / Resistivity Tool standing by

Daily Drilling Report 04/18/2022

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	12	Well	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
Rig:	Nabors X12	County / State	Lea / New Mexico
Date:	04/18/2022	Report Time	00:00-24:00
Daily Cost($)	3950.00	Well Cost($)	99750.00

24Hr Summary

Drilled ahead all day and night. We are running Tally Tool for this run. We will be picking up RES tool once it gets here ...

24Hr Lookahead

We should have the RES tool on location. We will start putting it together and programming the RES tool. POOH per Compmany Man once were done IF were still drilling.

Drilling Summary	24Hr (BHA 7)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	11031.00	10575.00	Csg Shoe MD(Usft)		600	34.00	%Sand	
End Depth (Usft)	12029.00	12029.00	OD (in)		300	20.00	%Solids	10.40
Total Drilled (Usft)	998	1454	Weight (ft/lbs)		200	15.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	10.00	Fluid Loss	
Rotary Drilled (Usft)	998	1454	SN	A282792	6	5.00	PH	
Drlg/Circ Hrs	24.00 / 0.00	34.03 / 1.20	Bit #	6	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	10.00	Oil/Water	65/35
Rotary Drilling Hrs	24.00	34.03	TFA	0.000	Temp(F)	124.00		
ROP Rot/Slide (Usft/hr)	41.58 / 0.00	42.72 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	41.50	Grade Out		YP	16.00		
%Slide			Make	Reed Hycalog	Viscosity	49.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	59000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.04	33.04
NM UBHO Sub	6.750	3.250				3.07	36.11
NM Drill Collar	6.750	3.000				28.29	64.40
NM Drill Collar	6.875	3.312				32.01	96.41
Crossover CET 54 B X 4 1/2 IF P	6.875	2.810				3.42	99.83
							99.83

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70062	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	51.24	1.75	0.25	FBH	6.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
11066.00	88.62	357.04	10338.77	510.47	411.43	0.88	173.81	528.54	-0.87	0.09	95.00
11162.00	89.32	356.95	10340.49	606.32	406.40	0.74	-7.33	624.06	0.73	-0.09	96.00
11258.00	86.11	357.21	10344.32	702.10	401.51	3.35	175.38	719.53	-3.34	0.27	96.00
11354.00	84.97	356.95	10351.79	797.69	396.63	1.22	-167.20	814.80	-1.19	-0.27	96.00
11449.00	87.56	358.97	10357.97	892.41	393.26	3.45	37.96	909.27	2.73	2.13	95.00
11544.00	91.87	0.46	10358.45	987.39	392.79	4.80	19.08	1004.13	4.54	1.57	95.00
11640.00	92.13	0.20	10355.10	1083.33	393.34	0.38	-44.98	1099.99	0.27	-0.27	96.00
11736.00	92.97	0.29	10350.83	1179.23	393.75	0.88	6.11	1195.82	0.88	0.09	96.00
11832.00	94.55	359.67	10344.53	1275.02	393.72	1.77	-21.36	1291.51	1.65	-0.65	96.00
11927.00	93.71	0.55	10337.69	1369.77	393.90	1.28	133.71	1386.17	-0.88	0.93	95.00
12023.00	90.42	0.29	10334.23	1465.69	394.61	3.44	-175.48	1482.03	-3.43	-0.27	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	41.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	42.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/18/2022	00:00	24:00	24.00	11031.00	12029.00	998.00	I	7: 8.75 - OBM - Curve & Lateral	2K	Remote & MWD only / Resistivity Tool standing by

Daily Drilling Report 04/19/2022

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	13	Well	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
Rig:	Nabors X12	County / State	Lea / New Mexico
Date:	04/19/2022	Report Time	00:00-24:00
Daily Cost($)	5900.00	Well Cost($)	105650.00

24Hr Summary

Drilling ahead in the lateral section ... We have RES Tool built, tested & ready to go ... Currently using the Tally Tool for logging. Once we TD we will be picking up the RES Tool

24Hr Lookahead

To continue to drill in the lateral until TD or bit trip

Drilling Summary	24Hr (BHA 7)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	12029.00	10575.00	Csg Shoe MD(Usft)		600	34.00	%Sand	
End Depth (Usft)	13033.00	13033.00	OD (in)		300	20.00	%Solids	10.40
Total Drilled (Usft)	1004	2458	Weight (ft/lbs)		200	15.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	10.00	Fluid Loss	
Rotary Drilled (Usft)	1004	2458	SN	A282792	6	5.00	PH	
Drlg/Circ Hrs	24.00 / 0.00	58.03 / 1.20	Bit #	6	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	5.00	Oil/Water	65/35
Rotary Drilling Hrs	24.00	58.03	TFA	0.000	Temp(F)	124.00		
ROP Rot/Slide (Usft/hr)	41.83 / 0.00	42.35 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	65.50	Grade Out		YP	6.00		
%Slide			Make	Reed Hycalog	Viscosity	49.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	59000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.04	33.04
NM UBHO Sub	6.750	3.250				3.07	36.11
NM Drill Collar	6.750	3.000				28.29	64.40
NM Drill Collar	6.875	3.312				32.01	96.41
Crossover CET 54 B X 4 1/2 IF P	6.875	2.810				3.42	99.83
							99.83

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70062	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	51.24	1.75	0.25	FBH	6.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
12119.00	88.79	0.38	10334.89	1561.68	395.17	1.70	176.84	1577.95	-1.70	0.09	96.00
12215.00	88.70	359.50	10336.99	1657.66	395.07	0.92	-95.85	1673.82	-0.09	-0.92	96.00
12311.00	88.31	358.88	10339.50	1753.62	393.71	0.76	-122.19	1769.62	-0.41	-0.65	96.00
12406.00	88.57	358.53	10342.09	1848.56	391.56	0.46	-53.39	1864.36	0.27	-0.37	95.00
12502.00	88.79	358.35	10344.30	1944.50	388.95	0.30	-39.28	1960.09	0.23	-0.19	96.00
12598.00	90.15	358.18	10345.18	2040.45	386.04	1.43	-7.13	2055.81	1.42	-0.18	96.00
12693.00	90.24	358.00	10344.86	2135.39	382.88	0.21	-63.43	2150.51	0.09	-0.19	95.00
12789.00	89.98	0.55	10344.68	2231.38	381.66	2.67	95.82	2246.34	-0.27	2.66	96.00
12885.00	89.32	0.11	10345.26	2327.37	382.22	0.83	-146.31	2342.27	-0.69	-0.46	96.00
12981.00	89.45	359.58	10346.29	2423.37	381.96	0.57	-76.22	2438.15	0.14	-0.55	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	41.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	42.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/19/2022	00:00	24:00	24.00	12029.00	13033.00	1004.00	I	7: 8.75 - OBM - Curve & Lateral	2K	Remote & MWD only / RES Tool stand by

Daily Drilling Report 04/20/2022

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job # / AFE #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	14	**Well**	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Rig:	Nabors X12	**County / State**	Lea / New Mexico
Date:	04/20/2022	**Report Time**	00:00-24:00
Daily Cost($)	5900.00	**Well Cost($)**	111550.00

24Hr Summary

Drilling ahead in the lateral. No issues with MWD to report.

24Hr Lookahead

ROP has dropped between 25-30 ... Im thinking we are going to be POOH pretty soon

Drilling Summary	24Hr (BHA 7)	Run (BHA 7)	Casing Data		Fluids			
Start Depth (Usft)	13033.00	10575.00	**Csg Shoe MD(Usft)**		**600**	34.00	**%Sand**	
End Depth (Usft)	13836.00	13836.00	**OD (in)**		**300**	20.00	**%Solids**	10.40
Total Drilled (Usft)	803	3261	**Weight (ft/lbs)**		**200**	15.00	**Weight (ppg)**	9.50
Slide Drilled (Usft)			**Bit Data**		**100**	10.00	**Fluid Loss**	
Rotary Drilled (Usft)	803	3261	**SN**	A282792	**6**	5.00	**PH**	
Drlg/Circ Hrs	22.02 / 0.00	80.05 / 1.20	**Bit #**	6	**3**	4.00	**Mud Type**	OBM
Slide Drilling Hrs			**OD (in)**	8.750	**10s Gel**	5.00	**Oil/Water**	65/35
Rotary Drilling Hrs	22.02	80.05	**TFA**	0.000	**Temp(F)**	124.00		
ROP Rot/Slide (Usft/hr)	36.47 / 0.00	40.74 / 0.00	**Grade In**	New	**PV**	14.00		
BRT Hrs	24.00	89.50	**Grade Out**		**YP**	6.00		
%Slide			**Make**	Reed Hycalog	**Viscosity**	49.00		
%Rotary	100.00	100.00	**Model**	Reed Hycalog	**Chlorides**	59000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.04	33.04
NM UBHO Sub	6.750	3.250				3.07	36.11
NM Drill Collar	6.750	3.000				28.29	64.40
NM Drill Collar	6.875	3.312				32.01	96.41
Crossover CET 54 B X 4 1/2 IF P	6.875	2.810				3.42	99.83
							99.83

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70062	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	51.24	1.75	0.25	FBH	6.9

Surveys

MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
13076.00	89.80	359.41	10346.92	2518.36	381.12	0.41	-25.91	2533.01	0.37	-0.18	95.00
13171.00	89.80	359.14	10347.25	2613.35	379.92	0.28	-90.00	2627.85	0.00	-0.28	95.00
13267.00	90.99	359.14	10346.59	2709.34	378.48	1.24	0.00	2723.67	1.24	0.00	96.00
13362.00	92.18	358.44	10343.96	2804.28	376.47	1.45	-30.45	2818.43	1.25	-0.74	95.00
13458.00	90.46	359.23	10341.75	2900.23	374.52	1.97	155.33	2914.19	-1.79	0.82	96.00

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	36.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	40.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/20/2022	00:00	22:01	22.02	13033.00	13836.00	803.00	L	7: 8.75 - OBM - Curve & Lateral	2K	Remote & MWD only / RES Tool stand by
04/20/2022	22:01	24:00	1.98	13836.00	13836.00	0.00	L	7: 8.75 - OBM - Curve & Lateral	6B	Remote & MWD only / RES Tool stand by

Daily Drilling Report 04/21/2022

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job # / AFE #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	15	**Well**	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Rig:	Nabors X12	**County / State**	Lea / New Mexico
Date:	04/21/2022	**Report Time**	00:00-24:00
Daily Cost($)	21250.00	**Well Cost($)**	132800.00

24Hr Summary

POOH due to ROP. We are going to change bit, motor & pick up RES tool

24Hr Lookahead

To have the resistivity relog and back on bottom drilling

Drilling Summary	24Hr (BHA 8/BHA 7)	Run (BHA 8)	Casing Data		Fluids			
Start Depth (Usft)	13836.00	13836.00	**Csg Shoe MD(Usft)**		**600**	34.00	**%Sand**	
End Depth (Usft)	13836.00	13836.00	**OD (in)**		**300**	20.00	**%Solids**	10.40
Total Drilled (Usft)			**Weight (ft/lbs)**		**200**	15.00	**Weight (ppg)**	9.50
Slide Drilled (Usft)			**Bit Data**		**100**	10.00	**Fluid Loss**	
Rotary Drilled (Usft)			**SN**	A282792	**6**	5.00	**PH**	
Drlg/Circ Hrs		0.00 / 6.87	**Bit #**	6	**3**	4.00	**Mud Type**	OBM
Slide Drilling Hrs			**OD (in)**	8.750	**10s Gel**	5.00	**Oil/Water**	65/35
Rotary Drilling Hrs			**TFA**	0.000	**Temp(F)**	124.00		
ROP Rot/Slide (Usft/hr)			**Grade In**	New	**PV**	14.00		
BRT Hrs	23.00	16.50	**Grade Out**		**YP**	6.00		
%Slide			**Make**	Reed Hycalog	**Viscosity**	49.00		
%Rotary			**Model**	Reed Hycalog	**Chlorides**	59000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.04	33.04
NM UBHO Sub	6.750	3.250				3.07	36.11
NM Drill Collar	6.750	3.000				28.29	64.40
NM Drill Collar	6.875	3.312				32.01	96.41
Crossover CET 54 B X 4 1/2 IF P	6.875	2.810				3.42	99.83
							99.83

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70062	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	51.24	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	40.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/21/2022	00:00	05:00	5.00	13836.00	13836.00	0.00	L	7: 8.75 - OBM - Curve & Lateral	6B	Remote & MWD only / RES Tool stand by
04/21/2022	05:00	06:30	1.50	13836.00	13836.00	0.00	L	7: 8.75 - OBM - Curve & Lateral	6P	Remote & MWD only / RES Tool stand by
04/21/2022	06:30	07:30	1.00	13836.00	13836.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	6O	
04/21/2022	07:30	07:45	0.25	13836.00	13836.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	10B	Surface Test: Good Test
04/21/2022	07:45	12:15	4.50	13836.00	13836.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	6A	Running Resistivity Tool / Tally Tool on stand by
04/21/2022	12:15	18:52	6.62	13836.00	13836.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	20B	Running Resistivity Tool / Tally Tool on stand by
04/21/2022	18:52	24:00	5.13	13836.00	13836.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	6A	Running Resistivity Tool / Tally Tool on stand by

Daily Drilling Report 04/22/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	16	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/22/2022	Report Time	00:00-24:00
	Daily Cost($)	21000.00	Well Cost($)	153800.00

24Hr Summary

Trying to test Resistivity Tool and no luck. Started off connecting to the tool then stop connecting. We tried the the new tools that came out on the truck & the one we laid down and it was a no go. Decision was was made to pick up the Tally Tool.

24Hr Lookahead

To be back on bottom drilling ahead in the lateral ... We will be picking up another Resisitivty Tool next run

Drilling Summary	24Hr (BHA 9/BHA 8)	Run (BHA 9)	Casing Data		Fluids			
Start Depth (Usft)	13836.00	14112.00	Csg Shoe MD(Usft)		600	48.00	%Sand	
End Depth (Usft)	14112.00	14112.00	OD (in)		300	35.00	%Solids	12.60
Total Drilled (Usft)	276		Weight (ft/lbs)		200	21.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	10.00	Fluid Loss	
Rotary Drilled (Usft)	276		SN	A287051	6	5.00	PH	
Drlg/Circ Hrs	6.47 / 1.95	0.00 / 0.17	Bit #	8	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	5.00	Oil/Water	70/30
Rotary Drilling Hrs	6.47		TFA	1.208	Temp(F)	125.00		
ROP Rot/Slide (Usft/hr)	42.68 / 0.00		Grade In	New	PV	14.00		
BRT Hrs	22.25	4.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	48.00		
%Rotary	100.00		Model	Reed Hycalog	Chlorides	55000.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.21 (7x15)	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	7.000					31.93	32.93
Resistivity Tool	6.750	3.250				24.88	57.81
APS NMDC	7.000	2.750				31.05	88.86
Hang Off Sub	7.250	3.250				7.25	96.11
6.75 NMDC	6.750	3.000				28.29	124.40
Crossover	6.875	2.810				3.42	127.82
							127.82

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XXS70111	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.83	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	38.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	38.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/22/2022	00:00	00:09	0.15	13836.00	13836.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	6A	Running Resistivity Tool / Tally Tool on stand by
04/22/2022	00:09	06:37	6.47	13836.00	14112.00	276.00	L	8: 8.75 - 2nd Lateral - OMB	2K	Running Resistivity Tool / Tally Tool on stand by
04/22/2022	06:37	08:24	1.78	14112.00	14112.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	10C	INC kept coming in @ 115 on 4 recycles ... We racked one stand back to match surveys at the last survey point. No go, Still came up 115
04/22/2022	08:24	15:00	6.60	14112.00	14112.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	6B	
04/22/2022	15:00	15:45	0.75	14112.00	14112.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	6P	
04/22/2022	15:45	18:15	2.50	14112.00	14112.00	0.00	L	8: 8.75 - 2nd Lateral - OMB	24A	Trying to test Resistivity Tool and no luck. Started off connecting to the tool then stop connecting. We tried the the new tools that came out on the truck & the one we laid down and it was a no go. Decision was was made to pick up the Tally Tool.
04/22/2022	18:15	20:00	1.75	14112.00	14112.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	6O	
04/22/2022	20:00	20:42	0.70	14112.00	14112.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	24A	Waiting to get a surface test / Remote & MWD only / RES Tool stand by
04/22/2022	20:42	20:52	0.17	14112.00	14112.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	10B	Remote & MWD only / RES Tool stand by
04/22/2022	20:52	24:00	3.13	14112.00	14112.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	6A	Remote & MWD only / RES Tool stand by

Daily Drilling Report 04/23/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	17	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/23/2022	Report Time	00:00-24:00
	Daily Cost($)	8950.00	Well Cost($)	162750.00

24Hr Summary

Drilling in the lateral section of the well bore. Pump issues, pressure lose and bad pulses BUT tool was still decoding as expected. ROP has been between 20 - 50. We packed up Phoenix Resistivity Tool and been drilling with the Tally tool. Were going in with APS Technology when it arrive & TIH

24Hr Lookahead

To continue to drill in the lateral section until TD or a bit trip.

Drilling Summary	24Hr (BHA 9)	Run (BHA 9)	Casing Data		Fluids			
Start Depth (Usft)	14112.00	14112.00	Csg Shoe MD(Usft)		600	35.00	%Sand	
End Depth (Usft)	14624.00	14624.00	OD (in)		300	21.00	%Solids	12.50
Total Drilled (Usft)	512	512	Weight (ft/lbs)		200	16.00	Weight (ppg)	9.60
Slide Drilled (Usft)			Bit Data		100	11.00	Fluid Loss	
Rotary Drilled (Usft)	512	512	SN	A283986	6	4.00	PH	
Drlg/Circ Hrs	18.35 / 1.95	18.35 / 2.12	Bit #	9	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	6.00	Oil/Water	70/30
Rotary Drilling Hrs	18.35	18.35	TFA	1.052	Temp(F)	124.00		
ROP Rot/Slide (Usft/hr)	27.90 / 0.00	27.90 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	28.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	49.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	54500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	7.000					31.89	32.89
NM UBHO Sub	6.750	3.250				3.07	35.96
NM Drill Collar	6.750	3.000				28.29	64.25
NM Drill Collar	6.875	3.312				32.01	96.26
Crossover CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	99.68
							99.68

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70112	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	27.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/23/2022	00:00	03:42	3.70	14112.00	14112.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	6A	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by
04/23/2022	03:42	05:39	1.95	14112.00	14112.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	20B	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by
04/23/2022	05:39	24:00	18.35	14112.00	14624.00	512.00	L	9: 8.75 - 3rd Lateral - OBM	2K	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by

Daily Drilling Report 04/24/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	18	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/24/2022	Report Time	00:00-24:00
	Daily Cost($)	8250.00	Well Cost($)	171000.00

24Hr Summary

Drilled ahead all day with no MWD issues to report. We have the APS Resistivity tool on stand by

24Hr Lookahead

To continue to drill in the lateral section of the well bore until TD or bit trip

Drilling Summary	24Hr (BHA 9)	Run (BHA 9)	Casing Data		Fluids			
Start Depth (Usft)	14624.00	14112.00	Csg Shoe MD(Usft)		600	35.00	%Sand	
End Depth (Usft)	15475.00	15475.00	OD (in)		300	21.00	%Solids	12.50
Total Drilled (Usft)	851	1363	Weight (ft/lbs)		200	16.00	Weight (ppg)	9.60
Slide Drilled (Usft)			Bit Data		100	11.00	Fluid Loss	
Rotary Drilled (Usft)	851	1363	SN	A283986	6	4.00	PH	
Drlg/Circ Hrs	24.00 / 0.00	42.35 / 2.12	Bit #	9	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	6.00	Oil/Water	70/30
Rotary Drilling Hrs	24.00	42.35	TFA	1.052	Temp(F)	124.00		
ROP Rot/Slide (Usft/hr)	35.46 / 0.00	32.18 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	52.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	49.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	54500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	7.000					31.89	32.89
NM UBHO Sub	6.750	3.250				3.07	35.96
NM Drill Collar	6.750	3.000				28.29	64.25
NM Drill Collar	6.875	3.312				32.01	96.26
Crossover CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	99.68
							99.68

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70112	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	35.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	32.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/24/2022	00:00	24:00	24.00	14624.00	15475.00	851.00	L	9: 8.75 - 3rd Lateral - OBM	2K	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by

Daily Drilling Report 04/25/2022

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job # / AFE #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	19	**Well**	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
Rig:	Nabors X12	**County / State**	Lea / New Mexico
Date:	04/25/2022	**Report Time**	00:00-24:00
Daily Cost($)	8250.00	**Well Cost($)**	179250.00

24Hr Summary

Rotating in the lateral section of the well bore .. ROP is between 30-50 ..

24Hr Lookahead

To continue to drill until TD or a bit trip

Drilling Summary	24Hr (BHA 9)	Run (BHA 9)	Casing Data		Fluids			
Start Depth (Usft)	15475.00	14112.00	**Csg Shoe MD(Usft)**		**600**	35.00	**%Sand**	
End Depth (Usft)	16336.00	16336.00	**OD (in)**		**300**	21.00	**%Solids**	12.50
Total Drilled (Usft)	861	2224	**Weight (ft/lbs)**		**200**	16.00	**Weight (ppg)**	9.60
Slide Drilled (Usft)			**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)	861	2224	**SN**	A283986	**6**	4.00	**PH**	
Drlg/Circ Hrs	24.00 / 0.00	66.35 / 2.12	**Bit #**	9	**3**	4.00	**Mud Type**	OBM
Slide Drilling Hrs			**OD (in)**	8.750	**10s Gel**	6.00	**Oil/Water**	70/30
Rotary Drilling Hrs	24.00	66.35	**TFA**	1.052	**Temp(F)**	124.00		
ROP Rot/Slide (Usft/hr)	35.88 / 0.00	33.52 / 0.00	**Grade In**	New	**PV**	14.00		
BRT Hrs	24.00	76.00	**Grade Out**		**YP**	7.00		
%Slide			**Make**	Reed Hycalog	**Viscosity**	49.00		
%Rotary	100.00	100.00	**Model**	Reed Hycalog	**Chlorides**	54500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	7.000					31.89	32.89
NM UBHO Sub	6.750	3.250				3.07	35.96
NM Drill Collar	6.750	3.000				28.29	64.25
NM Drill Collar	6.875	3.312				32.01	96.26
Crossover CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	99.68
							99.68

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70112	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	35.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	33.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/25/2022	00:00	24:00	24.00	15475.00	16336.00	861.00	L	9: 8.75 - 3rd Lateral - OBM	2K	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by

Daily Drilling Report 04/26/2022

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Report #	20	Well	Dagger State Com 516H - Dagger State Com Pad
Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
Rig:	Nabors X12	County / State	Lea / New Mexico
Date:	04/26/2022	Report Time	00:00-24:00
Daily Cost($)	34530.00	Well Cost($)	213780.00

24Hr Summary

Was drilling ahead in the lateral section ... Was putting in a slide and the SPP was off. Couldnt figure out what the issues was so they decided to POOH

24Hr Lookahead

To POOH and change out BHAs ...

Drilling Summary	24Hr (BHA 10/BHA 9)	Run (BHA 10)	Casing Data		Fluids			
Start Depth (Usft)	16336.00	16346.00	Csg Shoe MD(Usft)		600	35.00	%Sand	
End Depth (Usft)	16346.00	16346.00	OD (in)		300	21.00	%Solids	12.50
Total Drilled (Usft)	10		Weight (ft/lbs)		200	16.00	Weight (ppg)	9.60
Slide Drilled (Usft)			Bit Data		100	11.00	Fluid Loss	
Rotary Drilled (Usft)	10		SN	A283986	6	4.00	PH	
Drlg/Circ Hrs	0.57 / 0.68	0.00 / 0.68	Bit #	9	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	6.00	Oil/Water	70/30
Rotary Drilling Hrs	0.57		TFA	1.052	Temp(F)	124.00		
ROP Rot/Slide (Usft/hr)	17.65 / 0.00		Grade In	New	PV	14.00		
BRT Hrs	23.00	12.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	49.00		
%Rotary	100.00		Model	Reed Hycalog	Chlorides	54500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	7.000					31.89	32.89
NM UBHO Sub	6.750	3.250				3.07	35.96
NM Drill Collar	6.750	3.000				28.29	64.25
NM Drill Collar	6.875	3.312				32.01	96.26
Crossover CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	99.68
							99.68

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70112	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	17.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	33.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/26/2022	00:00	00:34	0.57	16336.00	16346.00	10.00	L	9: 8.75 - 3rd Lateral - OBM	2K	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by
04/26/2022	00:34	10:00	9.43	16346.00	16346.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	6B	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by
04/26/2022	10:00	11:00	1.00	16346.00	16346.00	0.00	L	9: 8.75 - 3rd Lateral - OBM	6P	Remote & MWD only / Phoenix RES Tool Left / APS Technology RES Tool stand by
04/26/2022	11:00	12:00	1.00	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	6O	Running APS Res Tool / Tally Tool on stand by
04/26/2022	12:00	12:26	0.43	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	10B	Running APS Res Tool / Tally Tool on stand by
04/26/2022	12:26	14:59	2.55	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	6A	Running APS Res Tool / Tally Tool on stand by
04/26/2022	14:59	17:22	2.38	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	9A	Running APS Res Tool / Tally Tool on stand by
04/26/2022	17:22	23:45	6.38	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	6A	Running APS Res Tool / Tally Tool on stand by
04/26/2022	23:45	24:00	0.25	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	20B	Running APS Res Tool / Tally Tool on stand by

Daily Drilling Report 04/27/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	21	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/27/2022	Report Time	00:00-24:00
	Daily Cost($)	9830.00	Well Cost($)	223610.00

24Hr Summary

Drilling ahead and started to have pump issues ... Driller got the GPM up to 929 and after that the tool stop sending Gamma & RES values ... There was talk for coming out the hole ... We explain to the company man that we are not going to be able to get the data from the at this point .. Shortly after they said to continue drilling because were getting surveys & tool faces ..

24Hr Lookahead

To continue to drill until TD or a bit trip

Drilling Summary	24Hr (BHA 10)	Run (BHA 10)	Casing Data		Fluids			
Start Depth (Usft)	16346.00	16346.00	Csg Shoe MD(Usft)		600	35.00	%Sand	
End Depth (Usft)	17133.00	17133.00	OD (in)		300	21.00	%Solids	12.50
Total Drilled (Usft)	787	787	Weight (ft/lbs)		200	16.00	Weight (ppg)	9.60
Slide Drilled (Usft)			Bit Data		100	11.00	Fluid Loss	
Rotary Drilled (Usft)	787	787	SN	A278044	6	4.00	PH	
Drlg/Circ Hrs	22.58 / 0.97	22.58 / 1.65	Bit #	10	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	6.00	Oil/Water	70/30
Rotary Drilling Hrs	22.58	22.58	TFA	1.052	Temp(F)	124.00		
ROP Rot/Slide (Usft/hr)	34.85 / 0.00	34.85 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	36.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	49.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	54500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.89	33.89
Resistivity Tool	6.750	3.312				31.00	64.89
Resistivity Tool Carrier	6.750	3.312				34.52	99.41
NM Drill Collar	6.875	3.312				32.01	131.42
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	134.84
							134.84

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70102	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	34.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	34.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/27/2022	00:00	00:58	0.97	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	20B	Running APS Res Tool / Tally Tool on stand by
04/27/2022	00:58	01:25	0.45	16346.00	16346.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	24A	Waiting on Biff to approve to continue drilling
04/27/2022	01:25	24:00	22.58	16346.00	17133.00	787.00	L	10: 8.75 - 3rd Lateral - OBM	2K	Running APS Res Tool / Tally Tool on stand by

Daily Drilling Report 04/28/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	22	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/28/2022	Report Time	00:00-24:00
	Daily Cost($)	8330.00	Well Cost($)	231940.00

24Hr Summary

Drilling in the lateral section of the well bore .. Looking good here minus the Gamma & RES not working

24Hr Lookahead

To continue to drill in the lateral section until TD

Drilling Summary	24Hr (BHA 10)	Run (BHA 10)	Casing Data		Fluids			
Start Depth (Usft)	17133.00	16346.00	Csg Shoe MD(Usft)		600	54.00	%Sand	
End Depth (Usft)	18033.00	18033.00	OD (in)		300	21.00	%Solids	12.80
Total Drilled (Usft)	900	1687	Weight (ft/lbs)		200	17.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	11.00	Fluid Loss	
Rotary Drilled (Usft)	900	1687	SN	A278044	6	5.00	PH	
Drlg/Circ Hrs	24.00 / 0.00	46.58 / 1.65	Bit #	10	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	7.00	Oil/Water	72/28
Rotary Drilling Hrs	24.00	46.58	TFA	1.052	Temp(F)	125.00		
ROP Rot/Slide (Usft/hr)	37.50 / 0.00	36.21 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	60.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	54.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	52500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.89	33.89
Resistivity Tool	6.750	3.312				31.00	64.89
Resistivity Tool Carrier	6.750	3.312				34.52	99.41
NM Drill Collar	6.875	3.312				32.01	131.42
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	134.84
							134.84

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70102	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	37.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	36.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/28/2022	00:00	24:00	24.00	17133.00	18033.00	900.00	L	10: 8.75 - 3rd Lateral - OBM	2K	Running APS Res Tool / Tally Tool on stand by

Daily Drilling Report 04/29/2022

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	23	Well	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	Longitude	103° 37' 2.089" W
	Rig:	Nabors X12	County / State	Lea / New Mexico
	Date:	04/29/2022	Report Time	00:00-24:00
	Daily Cost($)	9830.00	Well Cost($)	241770.00

24Hr Summary

Tripping out the hole ... Waiting to get to BHA

24Hr Lookahead

We weill be out the hole, rigging down & leaving location ...

Drilling Summary	24Hr (BHA 10)	Run (BHA 10)	Casing Data		Fluids			
Start Depth (Usft)	18033.00	16346.00	Csg Shoe MD(Usft)		600	54.00	%Sand	
End Depth (Usft)	18441.00	18441.00	OD (in)		300	21.00	%Solids	12.80
Total Drilled (Usft)	408	2095	Weight (ft/lbs)		200	17.00	Weight (ppg)	9.50
Slide Drilled (Usft)			Bit Data		100	11.00	Fluid Loss	
Rotary Drilled (Usft)	408	2095	SN	A278044	6	5.00	PH	
Drlg/Circ Hrs	8.17 / 3.25	54.75 / 4.90	Bit #	10	3	4.00	Mud Type	OBM
Slide Drilling Hrs			OD (in)	8.750	10s Gel	7.00	Oil/Water	72/28
Rotary Drilling Hrs	8.17	54.75	TFA	1.052	Temp(F)	125.00		
ROP Rot/Slide (Usft/hr)	49.96 / 0.00	38.26 / 0.00	Grade In	New	PV	14.00		
BRT Hrs	24.00	84.00	Grade Out		YP	7.00		
%Slide			Make	Reed Hycalog	Viscosity	54.00		
%Rotary	100.00	100.00	Model	Reed Hycalog	Chlorides	52500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.89	33.89
Resistivity Tool	6.750	3.312				31.00	64.89
Resistivity Tool Carrier	6.750	3.312				34.52	99.41
NM Drill Collar	6.875	3.312				32.01	131.42
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	134.84
							134.84

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70102	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	49.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	38.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/29/2022	00:00	08:10	8.17	18033.00	18441.00	408.00	L	10: 8.75 - 3rd Lateral - OBM	2K	Running APS Res Tool / Tally Tool on stand by
04/29/2022	08:10	11:25	3.25	18441.00	18441.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	5A	Running APS Res Tool / Tally Tool on stand by
04/29/2022	11:25	24:00	12.58	18441.00	18441.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	6B	Running APS Res Tool / Tally Tool on stand by

Daily Drilling Report 04/30/2022

	Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
	API Job # / AFE #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Report #	24	**Well**	Dagger State Com 516H - Dagger State Com Pad
	Latitude:	32° 26' 59.474" N	**Longitude**	103° 37' 2.089" W
	Rig:	Nabors X12	**County / State**	Lea / New Mexico
	Date:	04/30/2022	**Report Time**	00:00-24:00
	Daily Cost($)	9830.00	**Well Cost($)**	251600.00

24Hr Summary

Got the job rigged down and we are getting ready to leave location

24Hr Lookahead

To have the truck loaded and off location

Drilling Summary	24Hr (BHA 10)	Run (BHA 10)	Casing Data		Fluids			
Start Depth (Usft)	18441.00	16346.00	**Csg Shoe MD(Usft)**		**600**	54.00	**%Sand**	
End Depth (Usft)	18441.00	18441.00	**OD (in)**		**300**	21.00	**%Solids**	12.80
Total Drilled (Usft)		2095	**Weight (ft/lbs)**		**200**	17.00	**Weight (ppg)**	9.50
Slide Drilled (Usft)			**Bit Data**		**100**	11.00	**Fluid Loss**	
Rotary Drilled (Usft)		2095	**SN**	A278044	**6**	5.00	**PH**	
Drlg/Circ Hrs		54.75 / 4.90	**Bit #**	10	**3**	4.00	**Mud Type**	OBM
Slide Drilling Hrs			**OD (in)**	8.750	**10s Gel**	7.00	**Oil/Water**	72/28
Rotary Drilling Hrs		54.75	**TFA**	1.052	**Temp(F)**	125.00		
ROP Rot/Slide (Usft/hr)		38.26 / 0.00	**Grade In**	New	**PV**	14.00		
BRT Hrs	24.00	92.50	**Grade Out**		**YP**	7.00		
%Slide			**Make**	Reed Hycalog	**Viscosity**	54.00		
%Rotary		100.00	**Model**	Reed Hycalog	**Chlorides**	52500.00		

Personnel

Co Man	DD	MWD	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher	Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man

BHA

Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s - 1.05 (7x14)	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	7.000					32.89	33.89
Resistivity Tool	6.750	3.312				31.00	64.89
Resistivity Tool Carrier	6.750	3.312				34.52	99.41
NM Drill Collar	6.875	3.312				32.01	131.42
CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813				3.42	134.84
							134.84

Motor Details

SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend	Rev Per (gpm)	Housing	Stages
XSS70102	Intrepid	7" Intrepid 7:8 6.9 w/SS	7/8	4.27	1.75	0.25	FBH	6.9

Drilling Parameters

	ROP (Usft/hr)	WOB (klbs)	RPM	RPM DH	FLOW (gpm)	SPP ON (psi)	SPP OFF (psi)	SPM	PU (klbs)	ROT (klbs)	SO (klbs)	TQ ON (kftlbs)	TQ OFF (kftlbs)
24 Hrs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Run	38.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Daily Activity

Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
04/30/2022	00:00	08:00	8.00	18441.00	18441.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	6A	Running APS Res Tool / Tally Tool on stand by
04/30/2022	08:00	08:30	0.50	18441.00	18441.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	6P	Running APS Res Tool / Tally Tool on stand by
04/30/2022	08:30	24:00	15.50	18441.00	18441.00	0.00	L	10: 8.75 - 3rd Lateral - OBM	1I	Running APS Res Tool / Tally Tool on stand by

Section - Six
Bottom Hole Assembly Reports

BHA 1: 17.5 - Surface Section - WBM

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	96.32
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	1	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	1	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	0.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/07/2022	**Depth Out(Usft)**	1614.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/08/2022	**Drilled(Usft)**	1614.00	**Drilling / Circ Hours**	24.30 / 1.43

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	5296623	Baker T606KS w/9x12s	17.500	0.000	0.000	0.00	6 5/8 REG		0.000	0.00	0.00	1.35	1.35
	2	GDT20303	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	0.00	36.60	37.95
	3		17 Stabilizer	8.250	2.812	0.000	0.00			0.000	0.00	0.00	6.03	43.98
	4		NM UBHO	7.875	3.750	0.000	0.00			0.000	0.00	0.00	3.20	47.18
	5		NM Drill Collar	7.875	3.750	0.000	0.00			0.000	0.00	0.00	29.97	77.15
	6		NM Pony Collar	8.000	3.250	0.000	0.00			0.000	0.00	0.00	15.88	93.03
	7		Crossover CET54 B x 6 5/8 REG P	7.875	2.750	0.000	0.00			0.000	0.00	0.00	3.29	96.32

Bit Data		Motor Data	
SN	5296623	**SN**	GDT20303
Size (in)	17.500	**OD (in)**	8.000
Type	PDC	**Description**	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS
Description	Baker T606KS w/9x12s	**Make/Model**	Tally / Tally 8 7:8 5.9
Make	Baker Hughes	**Bit to Bend (Usft) / Angle**	5.36 / 1.75
Model	T606KS	**Stab / Kick Pad OD (in)**	11.750 / 8.125
TFA	0.99 (9x12)	**Stator Vendor/Type/Fit**	
Grade In	New	**Pre Run Dyno HP%**	
Grade Out		**Lobes**	7/8
Drilled (Usft)	1614.000	**Stages**	5.9
		Rev/Gal	0.166
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	22020.0
		Max RPM	0
		Flow Range(gpm)	

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	11.750	0.82	0.20	6	1.35

BHA 2: 12.25 - Intermediate - WBM

	Bottom Hole Assembly				
Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	91.02
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	2	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	2	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	1614.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/09/2022	**Depth Out(Usft)**	5187.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/11/2022	**Drilled(Usft)**	3573.00	**Drilling / Circ Hours**	33.97 / 0.55

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	6026498	Varel VION-616 w/9x13s	12.250	0.000	0.000	0.00	6 5/8 REG		0.000	0.00	0.00	1.35	1.35
	2	GDT20303	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	0.00	36.60	37.95
	3		11.75 Stabilizer	8.000	2.875	0.000	0.00			0.000	0.00	0.00	4.02	41.97
	4		NM UBHO Sub	7.875	3.250	0.000	0.00			0.000	0.00	0.00	3.20	45.17
	5		NM Drill Collar	7.875	3.750	0.000	0.00			0.000	0.00	0.00	29.97	75.14
	6		NM Pony Collar	8.000	3.250	0.000	0.00			0.000	0.00	0.00	15.88	91.02

Bit Data		Motor Data	
SN	6026498	**SN**	GDT20303
Size (in)	12.250	**OD (in)**	8.000
Type	PDC	**Description**	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS
Description	Varel VION-616 w/9x13s	**Make/Model**	Tally / Tally 8 7:8 5.9 1.75 FBH 11.75 NBS
Make	Varel	**Bit to Bend (Usft) / Angle**	5.58 / 1.75
Model	VION-616	**Stab / Kick Pad OD (in)**	11.750 / 8.120
TFA	1.17 (9x13)	**Stator Vendor/Type/Fit**	Dyna-Drill / NBR-HR / 0.0160
Grade In	New	**Pre Run Dyno HP%**	93.2
Grade Out		**Lobes**	7/8
Drilled (Usft)	3573.000	**Stages**	5.9
		Rev/Gal	0.150
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	22020.0
		Max RPM	0
		Flow Range(gpm)	400-900

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	11.750	5.00	2.50	6	3.10

BHA 3: 12.25 - 2nd Intermediate - WBM

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	97.03
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	3	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	3	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	5187.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/11/2022	**Depth Out(Usft)**	5485.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/12/2022	**Drilled(Usft)**	298.00	**Drilling / Circ Hours**	2.55 / 1.08

Sensor Offsets

Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	56047	Ulterra RPS616 w/6x13s, 3x12s	12.250	0.000	0.000	0.00	6 5/8 REG		0.000	0.00	0.00	1.35	1.35
	2	GDT-20314	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	8.000	0.000	0.000	0.00	6 5/8 REG	6 5/8 REG	0.000	0.00	0.00	36.79	38.14
	3	SD600364	11.75 Stabilizer	8.000	0.000	0.000	0.00	6 5/8 REG	6 5/8 FH	0.000	0.00	0.00	6.55	44.69
	4		NM UBHO	7.875	3.250	0.000	0.00			0.000	0.00	0.00	3.20	47.89
	5		NM Drill Collar	7.875	3.750	0.000	0.00			0.000	0.00	0.00	29.97	77.86
	6		NM Pony Collar	8.000	3.250	0.000	0.00			0.000	0.00	0.00	15.88	93.74
	7		Crossover CET54 B x 6 5/8 REG P	7.875	2.750	0.000	0.00			0.000	0.00	0.00	3.29	97.03

Bit Data		Motor Data	
SN	56047	**SN**	GDT-20314
Size (in)	12.250	**OD (in)**	8.000
Type	PDC	**Description**	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS
Description	Ulterra RPS616 w/6x13s, 3x12s	**Make/Model**	Tally / Tally 8 7:8 5.9 1.75 FBH 11.75 NBS
Make	Ulterra	**Bit to Bend (Usft) / Angle**	5.80 / 1.75
Model		**Stab / Kick Pad OD (in)**	11.600 / 8.350
TFA	1.11 (6x13, 3x12)	**Stator Vendor/Type/Fit**	Dyna-Drill / NBR-HR / 0.0130
Grade In	New	**Pre Run Dyno HP%**	90.1
Grade Out		**Lobes**	7/8
Drilled (Usft)	298.000	**Stages**	5.9
		Rev/Gal	0.166
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	24470.0
		Max RPM	136
		Flow Range(gpm)	400-900

MWD Data

MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data

Component Number	Description	OD (in)	Blade Length (in)	Blade Width (in)	Blade Count	Stab->Bit (Usft)
2	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	11.600	5.06	2.44	6	2.68
3	11.75 Stabilizer	11.750	7.00	4.00	4	38.14

BHA 4: 8.75 - 3rd Intermediate - WBM

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	107.11
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	4	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	4	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	5485.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/13/2022	**Depth Out(Usft)**	9750.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/14/2022	**Drilled(Usft)**	4265.00	**Drilling / Circ Hours**	28.13 / 0.28

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A283638	Reed TKC66 AZ2 w/6x15s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	RVDF70037	7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50	7.250	0.000	0.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	36.15	37.15
	3		8.5 STABILIZER	6.750	2.813	0.000	0.00			0.000	0.00	0.00	6.27	43.42
	4		NM UBHO	6.750	3.250	0.000	0.00			0.000	0.00	0.00	3.07	46.49
	5		6.75 NMDC	6.750	2.813	0.000	0.00			0.000	0.00	0.00	28.91	75.40
	6		6.75 NMDC	6.750	3.000	0.000	0.00			0.000	0.00	0.00	28.29	103.69
	7		CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813	0.000	0.00			0.000	0.00	0.00	3.42	107.11

Bit Data		Motor Data	
SN	A283638	**SN**	RVDF70037
Size (in)	8.750	**OD (in)**	7.250
Type	PDC	**Description**	7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50
Description	Reed TKC66 AZ2 w/6x15s	**Make/Model**	Rival / RIVAL 6:7 10.7
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	3.66 / 1.50
Model	TKC66 AZ2	**Stab / Kick Pad OD (in)**	8.500 / 7.500
TFA	1.03 (6x15)	**Stator Vendor/Type/Fit**	Dyna-Drill / XP
Grade In	New	**Pre Run Dyno HP%**	79.8
Grade Out		**Lobes**	6/7
Drilled (Usft)	4265.000	**Stages**	10.7
		Rev/Gal	0.310
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	18950.0
		Max RPM	270
		Flow Range(gpm)	400-700

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Stabilizer Data						
Component Number	**Description**	**OD (in)**	**Blade Length (in)**	**Blade Width (in)**	**Blade Count**	**Stab->Bit (Usft)**
2	7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50	8.500	5.06	2.44	4	1.00

BHA 5: 8.75 - Curve - Cut Brine

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	130.01
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	5	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	5	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	9750.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/15/2022	**Depth Out(Usft)**	10570.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/16/2022	**Drilled(Usft)**	820.00	**Drilling / Circ Hours**	15.47 / 1.72

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	60675	Ulterra CF611 w/6x14s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	RVMA710014	7 Rival 7:8 5.7 2.12 FBH w/SS	7.000	0.000	0.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	31.42	32.42
	3		Resistivity Tool	6.700	2.875	0.000	0.00			0.000	0.00	0.00	24.82	57.24
	4		Resistivity Tool NM Drill Collar	6.688	2.750	0.000	0.00			0.000	0.00	0.00	31.02	88.26
	5		Resistivity Tool Hang Off Sub	6.688	2.875	0.000	0.00			0.000	0.00	0.00	7.31	95.57
	6		Regular NM Drill Collar	7.000	2.750	0.000	0.00			0.000	0.00	0.00	31.02	126.59
	7	DR44967	CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813	0.000	0.00	4 FH	4 1/2 IF	0.000	0.00	0.00	3.42	130.01

Bit Data		Motor Data	
SN	60675	**SN**	RVMA710014
Size (in)	8.750	**OD (in)**	7.000
Type	PDC	**Description**	7 Rival 7:8 5.7 2.12 FBH w/SS
Description	Ulterra CF611 w/6x14s	**Make/Model**	Rival / 7" Rival 7:8 5.7 2.12 FBH w/SS
Make	Ulterra	**Bit to Bend (Usft) / Angle**	0.00 / 2.12
Model	CF611	**Stab / Kick Pad OD (in)**	
TFA	0.00	**Stator Vendor/Type/Fit**	Dyna-Drill / HR
Grade In	New	**Pre Run Dyno HP%**	97.8
Grade Out		**Lobes**	7/8
Drilled (Usft)	820.000	**Stages**	5.7
		Rev/Gal	0.240
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	13720.0
		Max RPM	169
		Flow Range(gpm)	400-750

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

BHA 6: WBM - 8.75 - Curve & Lateral

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	131.58
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	6	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	6	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	10570.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/16/2022	**Depth Out(Usft)**	10575.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/17/2022	**Drilled(Usft)**	5.00	**Drilling / Circ Hours**	1.23 / 2.90

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A282792	Reed TKC76 w/7x14s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	XSS70062	7" Intrepid 7:8 6.9 w/SS	7.000	0.000	0.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	32.04	33.04
	3		Resistivity Tool	7.000	2.875	0.000	0.00			0.000	0.00	0.00	24.82	57.86
	4		Resistivity Tool NM Drill Collar	6.688	2.750	0.000	0.00			0.000	0.00	0.00	31.02	88.88
	5	H0165001	Resistivity Tool Hang Off Sub	6.688	2.750	0.000	0.00			0.000	0.00	0.00	7.27	96.15
	6	DR-38400	NM Regular NM Drill Collar	6.875	3.312	0.000	0.00	4 1/2 FH	4 1/2 FH	0.000	0.00	0.00	32.01	128.16
	7	DR44967	Crossover CET 54 B X 4 1/2 IF P	6.875	2.810	0.000	0.00			0.000	0.00	0.00	3.42	131.58

Bit Data		**Motor Data**	
SN	A282792	**SN**	XSS70062
Size (in)	8.750	**OD (in)**	7.000
Type	PDC	**Description**	7" Intrepid 7:8 6.9 w/SS
Description	Reed TKC76 w/7x14s	**Make/Model**	Intrepid / 7" Intrepid 7:8 6.9 w/SS
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	4.27 / 1.75
Model	TKC76	**Stab / Kick Pad OD (in)**	
TFA	1.05 (7x14)	**Stator Vendor/Type/Fit**	PV / HS88 G0 / 0.0070
Grade In	New	**Pre Run Dyno HP%**	102.5
Grade Out		**Lobes**	7/8
Drilled (Usft)	5.000	**Stages**	6.9
		Rev/Gal	0.250
		Diff Press.(psi)	1960.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	19010.0
		Max RPM	0
		Flow Range(gpm)	

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

BHA 7: 8.75 - OBM - Curve & Lateral

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	99.83
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	7	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	6	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	10575.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/17/2022	**Depth Out(Usft)**	13863.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/21/2022	**Drilled(Usft)**	3261.00	**Drilling / Circ Hours**	80.05 / 1.20

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A282792	Reed TKC76 w/7x14s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	XSS70062	7" Intrepid 7:8 6.9 w/SS	7.000	0.000	0.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	32.04	33.04
	3	DR-43487	NM UBHO Sub	6.750	3.250	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	0.00	3.07	36.11
	4	DR-41281	NM Drill Collar	6.750	3.000	0.000	0.00			0.000	0.00	0.00	28.29	64.40
	5		NM Drill Collar	6.875	3.312	0.000	0.00			0.000	0.00	0.00	32.01	96.41
	6	R-44967	Crossover CET 54 B X 4 1/2 IF P	6.875	2.810	0.000	0.00	CET-54	4 1/2 IF	0.000	0.00	0.00	3.42	99.83

Bit Data		**Motor Data**	
SN	A282792	**SN**	XSS70062
Size (in)	8.750	**OD (in)**	7.000
Type	PDC	**Description**	7" Intrepid 7:8 6.9 w/SS
Description	Reed TKC76 w/7x14s	**Make/Model**	Intrepid / 7" Intrepid 7:8 6.9 w/SS
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	51.24 / 1.75
Model	TKC-76	**Stab / Kick Pad OD (in)**	4.270
TFA	0.00	**Stator Vendor/Type/Fit**	PV / HS88 G0 / 0.0070
Grade In	New	**Pre Run Dyno HP%**	
Grade Out		**Lobes**	7/8
Drilled (Usft)	3261.000	**Stages**	6.9
		Rev/Gal	0.250
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	19010.0
		Max RPM	175
		Flow Range(gpm)	400-700

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

BHA 8: 8.75 - 2nd Lateral - OMB

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	127.82
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	8	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	8	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	13863.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/21/2022	**Depth Out(Usft)**	14112.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/22/2022	**Drilled(Usft)**	276.00	**Drilling / Circ Hours**	6.47 / 8.65

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A287051	Reed TKC76 w/7x14s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	XXS70111	7 Intrepid 7:8 6.9 w/SS	7.000	0.000	0.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	31.93	32.93
	3	WPR-176	Resistivity Tool	6.750	3.250	0.000	0.00			0.000	0.00	0.00	24.88	57.81
	4	REZSL-171012	APS NMDC	7.000	2.750	0.000	0.00	H90	H90	0.000	0.00	0.00	31.05	88.86
	5	REZ10	Hang Off Sub	7.250	3.250	0.000	0.00			0.000	0.00	0.00	7.25	96.11
	6	DR-41281	6.75 NMDC	6.750	3.000	0.000	0.00			0.000	0.00	0.00	28.29	124.40
	7		Crossover	6.875	2.810	0.000	0.00			0.000	0.00	0.00	3.42	127.82

Bit Data		Motor Data	
SN	A287051	**SN**	XXS70111
Size (in)	8.750	**OD (in)**	7.000
Type	PDC	**Description**	7 Intrepid 7:8 6.9 w/SS
Description	Reed TKC76 w/7x14s	**Make/Model**	Intrepid / 7" Intrepid 7:8 6.9 w/SS
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	4.27 / 1.83
Model	Reed TKC76 w/7x14s	**Stab / Kick Pad OD (in)**	
TFA	1.21 (7x15)	**Stator Vendor/Type/Fit**	PV / HS88 G0 / 0.0070
Grade In	New	**Pre Run Dyno HP%**	93.5
Grade Out		**Lobes**	7/8
Drilled (Usft)	276.000	**Stages**	6.9
		Rev/Gal	0.250
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	19010.0
		Max RPM	175
		Flow Range(gpm)	400-700

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

BHA 9: 8.75 - 3rd Lateral - OBM

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	99.68
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	9	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	9	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	14112.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/22/2022	**Depth Out(Usft)**	16346.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/26/2022	**Drilled(Usft)**	2234.00	**Drilling / Circ Hours**	66.92 / 2.12

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A283986	Reed TKC76 w/7x14s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	XSS70112	7 Intrepid 7:8 6.9 w/SS	7.000	0.000	7.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	31.89	32.89
	3	DR43487	NM UBHO Sub	6.750	3.250	0.000	0.00	4 1/2 IF	4 1/2 FH	0.000	0.00	0.00	3.07	35.96
	4	DR41281	NM Drill Collar	6.750	3.000	6.750	0.00	4 1/2 FH	4 1/2 IF	0.000	0.00	0.00	28.29	64.25
	5	DR38400	NM Drill Collar	6.875	3.312	6.750	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	0.00	32.01	96.26
	6	DR44967	Crossover CET 54 B X 4 1/2 IF P	6.750	2.813	6.750	0.00	CET-54	4 1/2 IF	0.000	0.00	0.00	3.42	99.68

Bit Data		**Motor Data**	
SN	A283986	**SN**	XSS70112
Size (in)	8.750	**OD (in)**	7.000
Type	PDC	**Description**	7 Intrepid 7:8 6.9 w/SS
Description	Reed TKC76 w/7x14s	**Make/Model**	Intrepid / 7" Intrepid 7:8 6.9 w/SS
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	4.27 / 1.75
Model	Reed TKC76 w/7x14s	**Stab / Kick Pad OD (in)**	4.300
TFA	1.05 (7x14)	**Stator Vendor/Type/Fit**	PV / HS88 / 0.0070
Grade In	New	**Pre Run Dyno HP%**	95.4
Grade Out		**Lobes**	7/8
Drilled (Usft)	2234.000	**Stages**	6.9
		Rev/Gal	0.250
		Diff Press.(psi)	0.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	19010.0
		Max RPM	175
		Flow Range(gpm)	400-700

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

BHA 10: 8.75 - 3rd Lateral - OBM

	Bottom Hole Assembly	

Job #	M22182	**Rig**	Nabors X12	**BHA Length (Usft)**	134.84
Operator	ADVANCE ENERGY PARTNERS	**BHA #**	10	**BHA Weight dry (klbs)**	0.00
Well	Dagger State Com 516H	**Bit #**	10	**BHA Weight Bouyed (klbs)**	0.00
Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS	**Depth In (Usft)**	16346.00	**Wt. Below Jars dry (klbs)**	0.00
Date In	04/26/2022	**Depth Out(Usft)**	18441.00	**Wt. Below Jars Bouyed (klbs)**	0.00
Date Out	04/30/2022	**Drilled(Usft)**	2095.00	**Drilling / Circ Hours**	54.75 / 4.90

Sensor Offsets					
Survey Offset	N/A	Gamma Offset	N/A	Gyro Offset	N/A

	#	SN	Description	OD (in)	ID (in)	FN OD (in)	FN Length (Usft)	Cnx Up	Cnx Dn	Unit Weight (ft/lbs)	Comp Weight (klbs)	Total Weight (klbs)	Length (Usft)	Total Length (Usft)
	1	A278044	Reed TKC76 w/7x14s	8.750	0.000	0.000	0.00	4 1/2 REG		0.000	0.00	0.00	1.00	1.00
	2	XSS70102	7" Intrepid 7:8 6.9 w/SS	7.000	0.000	7.000	0.00	4 1/2 IF	4 1/2 REG	0.000	0.00	0.00	32.89	33.89
	3	609	Resistivity Tool	6.750	3.312	0.000	0.00			0.000	0.00	0.00	31.00	64.89
	4		Resistivity Tool Carrier	6.750	3.312	0.000	0.00			0.000	0.00	0.00	34.52	99.41
	5	DR38400	NM Drill Collar	6.875	3.312	0.000	0.00	4 1/2 IF	4 1/2 IF	0.000	0.00	0.00	32.01	131.42
	6	DR44967	CROSSOVER CET 54 B X 4 1/2 IF P	6.750	2.813	0.000	0.00	CET 54	4 1/2 IF	0.000	0.00	0.00	3.42	134.84

Bit Data		Motor Data	
SN	A278044	**SN**	XSS70102
Size (in)	8.750	**OD (in)**	7.000
Type	PDC	**Description**	7" Intrepid 7:8 6.9 w/SS
Description	Reed TKC76 w/7x14s	**Make/Model**	Intrepid / 7" Intrepid 7:8 6.9 w/SS
Make	Reed Hycalog	**Bit to Bend (Usft) / Angle**	4.27 / 1.75
Model	Reed TKC76 w/7x14s	**Stab / Kick Pad OD (in)**	4.270
TFA	1.05 (7x14)	**Stator Vendor/Type/Fit**	PV / HS88 G0 / 0.0070
Grade In	New	**Pre Run Dyno HP%**	90.1
Grade Out		**Lobes**	7/8
Drilled (Usft)	2095.000	**Stages**	6.9
		Rev/Gal	0.250
		Diff Press.(psi)	600.0
		Press. Drop(psi)	0.0
		Max Torque(kftlbs)	19010.0
		Max RPM	175
		Flow Range(gpm)	400-700

MWD Data							
MWD Type		**Pulser SN**		**Gamma SN**		**Plug In Date**	
Orifice		**Driver SN**		**EM SN**		**Plug In Time**	
Orifice Type		**Dir. Module SN**		**Pulse Width**	0.00	**Plug Out Date**	
Poppet		**Battery 1 SN**		**Data Rate**	0.00	**Plug Out Time**	
Make		**Battery 2 SN**		**EM Power**	0.00	**Plug In Hrs**	0.00
Model		**Battery 3 SN**		**EM Freq**	0.000		
Fin Size (in)	0.000	**Helix SN**		**Retrievable**			

Section - Seven
Performance Reports

17.5 - Surface Section - WBM - Motor Performance Report

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Latitude	32° 26' 59.474" N	Well	Dagger State Com 516H - Dagger State Com Pad
	Longitude	103° 37' 2.089" W	State	New Mexico
	Rig	Nabors X12	County	Lea
	Reason POOH		BHA #	1
	Lead DD		Company Man	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/07/2022 03:45	SN	GDT20303	WOB Rotate (klbs)	
Date Out	04/08/2022 08:00	Description	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	WOB Slide (klbs)	
Depth In/Out(Usft)	0.00 / 1614.00	Make	Tally	RPM (Max/Avg)	
Inc In/Out	0.00 / 1.26	Model	Tally 8 7:8 5.9	Flow Rate (gpm)	
Azi In/Out	0.00 / 139.30	Lobes / Stages	7/8 / 5.9	Off Btm Press (psi)	
Total Drilled (Usft)	1614.00	Bend Angle	1.75	On Btm Press (psi)	
%Slide (Rtg)	0.00	Bit to Bend (Usft)	5.36	Tq On Btm (kftlbs)	
%Slide (Hrs)	0.00	Sleeve Stab OD (in)	11.750	Tq Off Btm (kftlbs)	
Slide Drilled (Usft)	0.00	Bearing Gap (in)		Avg Diff Press (psi)	
Slide Hours	0.00	Stab to Bit (Usft)		Temperature (degF)	0.00 / 0.00 / 0.00
%Rotary (Rtg)	100.00	Kickpad OD (in)	8.125	Bit Make	Baker Hughes
%Rotary (Hrs)	100.00	Body OD (in)	8.000	Bit Model	T606KS
Rotary Drilled (Usft)	1614.00	Fishneck OD (in)		Bit OD (in)	17.500
Rotary Hours	24.30	Length (Usft)	36.60	Bit TFA	0.99 (9x12)
Drlg/Circ Hrs	24.30 / 1.43	Integral Float	YES	Bit #	1
Total D&C/BRT Hrs	25.73 / 28.25	Rev per Gal:	0.166	Bit Grade In	New
Slide ROP (Usft/hr)	0.00	#Stalls / Pressure		Bit Grade Out	
Rot ROP (Usft/hr)	66.42	Stator Make/Type/Fit	/ / 0.000	Drill Hrs	24.30
Avg ROP (Usft/hr)	66.42	Pre-Run Dyno HP%		Circ Hrs	1.43

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8	5	3	2	1	1	3 / 2	0/87.6	10.00	800.00	WBM	12.40	0.10	

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**
					0.00 / 0.57

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Baker T606KS w/9x12s 0.99 (9x12)	5296623	17.500					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	GDT20303	8.000					36.60	37.95
17 Stabilizer		8.250	2.812				6.03	43.98
NM UBHO		7.875	3.750				3.20	47.18
NM Drill Collar		7.875	3.750				29.97	77.15
NM Pony Collar		8.000	3.250				15.88	93.03
Crossover CET54 B x 6 5/8 REG P		7.875	2.750				3.29	96.32
								96.32

12.25 - Intermediate - WBM - Motor Performance Report

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Latitude	32° 26' 59.474" N	Well	Dagger State Com 516H - Dagger State Com Pad
	Longitude	103° 37' 2.089" W	State	New Mexico
	Rig	Nabors X12	County	Lea
	Reason POOH		BHA #	2
	Lead DD		Company Man	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/09/2022 23:00	SN	GDT20303	WOB Rotate (klbs)	
Date Out	04/11/2022 19:00	Description	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	WOB Slide (klbs)	
Depth In/Out(Usft)	1614.00 / 5187.00	Make	Tally	RPM (Max/Avg)	
Inc In/Out	1.26 / 4.86	Model	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	Flow Rate (gpm)	
Azi In/Out	139.14 / 136.94	Lobes / Stages	7/8 / 5.9	Off Btm Press (psi)	
Total Drilled (Usft)	3573.00	Bend Angle	1.75	On Btm Press (psi)	
%Slide (Ftg)	0.00	Bit to Bend (Usft)	5.58	Tq On Btm (kftlbs)	
%Slide (Hrs)	0.00	Sleeve Stab OD (in)	11.750	Tq Off Btm (kftlbs)	
Slide Drilled (Usft)	0.00	Bearing Gap (in)	1.000	Avg Diff Press (psi)	
Slide Hours	0.00	Stab to Bit (Usft)	1.75	Temperature (degF)	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	Kickpad OD (in)	8.120	Bit Make	Varel
%Rotary (Hrs)	100.00	Body OD (in)	8.000	Bit Model	VION-616
Rotary Drilled (Usft)	3573.00	Fishneck OD (in)		Bit OD (in)	12.250
Rotary Hours	33.97	Length (Usft)	36.60	Bit TFA	1.17 (9x13)
Drlg/Circ Hrs	33.97 / 0.55	Integral Float	NO	Bit #	2
Total D&C/BRT Hrs	34.52 / 44.00	Rev per Gal:	0.150	Bit Grade In	New
Slide ROP (Usft/hr)	0.00	#Stalls / Pressure		Bit Grade Out	
Rot ROP (Usft/hr)	105.18	Stator Make/Type/Fit	Dyna-Drill / NBR-HR / 0.016	Drill Hrs	33.97
Avg ROP (Usft/hr)	105.18	Pre-Run Dyno HP%	93.2	Circ Hrs	0.55

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	N/A / 88.8	10.00	186000.00	WBM	11.20		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**
					0.00 / 3.10

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Varel VION-616 w/9x13s 1.17 (9x13)	6026498	12.250					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	GDT20303	8.000					36.60	37.95
11.75 Stabilizer		8.000	2.875				4.02	41.97
NM UBHO Sub		7.875	3.250				3.20	45.17
NM Drill Collar		7.875	3.750				29.97	75.14
NM Pony Collar		8.000	3.250				15.88	91.02
								91.02

12.25 - 2nd Intermediate - WBM - Motor Performance Report

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Latitude	32° 26' 59.474" N	Well	Dagger State Com 516H - Dagger State Com Pad
Longitude	103° 37' 2.089" W	State	New Mexico
Rig	Nabors X12	County	Lea
Reason POOH		BHA #	3
Lead DD		Company Man	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/11/2022 20:46	SN	GDT-20314	WOB Rotate (klbs)	
Date Out	04/12/2022 10:30	Description	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	WOB Slide (klbs)	
Depth In/Out(Usft)	5187.00 / 5485.00	Make	Tally	RPM (Max/Avg)	
Inc In/Out	4.86 / 3.87	Model	Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	Flow Rate (gpm)	
Azi In/Out	136.92 / 134.93	Lobes / Stages	7/8 / 5.9	Off Btm Press (psi)	
Total Drilled (Usft)	298.00	Bend Angle	1.75	On Btm Press (psi)	
%Slide (Ftg)	0.00	Bit to Bend (Usft)	5.80	Tq On Btm (kftlbs)	
%Slide (Hrs)	0.00	Sleeve Stab OD (in)	11.600	Tq Off Btm (kftlbs)	
Slide Drilled (Usft)	0.00	Bearing Gap (in)	1.000	Avg Diff Press (psi)	
Slide Hours	0.00	Stab to Bit (Usft)	1.33	Temperature (degF)	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	Kickpad OD (in)	8.350	Bit Make	Ulterra
%Rotary (Hrs)	100.00	Body OD (in)	8.000	Bit Model	
Rotary Drilled (Usft)	298.00	Fishneck OD (in)		Bit OD (in)	12.250
Rotary Hours	2.55	Length (Usft)	36.79	Bit TFA	1.11 (6x13, 3x12)
Drlg/Circ Hrs	2.55 / 1.08	Integral Float	NO	Bit #	3
Total D&C/BRT Hrs	3.63 / 13.73	Rev per Gal:	0.166	Bit Grade In	New
Slide ROP (Usft/hr)	0.00	#Stalls / Pressure		Bit Grade Out	
Rot ROP (Usft/hr)	116.86	Stator Make/Type/Fit	Dyna-Drill / NBR-HR / 0.013	Drill Hrs	2.55
Avg ROP (Usft/hr)	116.86	Pre-Run Dyno HP%	90.1	Circ Hrs	1.08

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8	5	3	2	1	1	3 / 2	0/87.6	10.00	800.00	WBM	12.40	0.10	

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**
					0.00 / 1.16

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Ulterra RPS616 w/6x13s, 3x12s 1.11 (6x13, 3x12)	56047	12.250					1.35	1.35
Tally 8 7:8 5.9 1.75 FBH 11.75 NBS	GDT-20314	8.000					36.79	38.14
11.75 Stabilizer	SD600364	8.000					6.55	44.69
NM UBHO		7.875	3.250				3.20	47.89
NM Drill Collar		7.875	3.750				29.97	77.86
NM Pony Collar		8.000	3.250				15.88	93.74
Crossover CET54 B x 6 5/8 REG P		7.875	2.750				3.29	97.03
								97.03

8.75 - 3rd Intermediate - WBM - Motor Performance Report

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Latitude	32° 26' 59.474" N	**Well**	Dagger State Com 516H - Dagger State Com Pad
Longitude	103° 37' 2.089" W	**State**	New Mexico
Rig	Nabors X12	**County**	Lea
Reason POOH		**BHA #**	4
Lead DD		**Company Man**	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/13/2022 07:30	**SN**	RVDF70037	**WOB Rotate (klbs)**	
Date Out	04/14/2022 23:50	**Description**	7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50	**WOB Slide (klbs)**	
Depth In/Out(Usft)	5485.00 / 9750.00	**Make**	Rival	**RPM (Max/Avg)**	
Inc In/Out	3.87 / 1.81	**Model**	RIVAL 6:7 10.7	**Flow Rate (gpm)**	
Azi In/Out	134.93 / 59.88	**Lobes / Stages**	6/7 / 10.7	**Off Btm Press (psi)**	
Total Drilled (Usft)	4265.00	**Bend Angle**	1.50	**On Btm Press (psi)**	
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**	3.66	**Tq On Btm (kftlbs)**	
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**	8.500	**Tq Off Btm (kftlbs)**	
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**	1.000	**Avg Diff Press (psi)**	
Slide Hours	0.00	**Stab to Bit (Usft)**		**Temperature (degF)**	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	**Kickpad OD (in)**	7.500	**Bit Make**	Reed Hycalog
%Rotary (Hrs)	100.00	**Body OD (in)**	7.250	**Bit Model**	TKC66 AZ2
Rotary Drilled (Usft)	4265.00	**Fishneck OD (in)**		**Bit OD (in)**	8.750
Rotary Hours	28.13	**Length (Usft)**	36.15	**Bit TFA**	1.03 (6x15)
Drlg/Circ Hrs	28.13 / 0.28	**Integral Float**	NO	**Bit #**	4
Total D&C/BRT Hrs	28.42 / 40.33	**Rev per Gal:**	0.310	**Bit Grade In**	New
Slide ROP (Usft/hr)	0.00	**#Stalls / Pressure**		**Bit Grade Out**	
Rot ROP (Usft/hr)	151.62	**Stator Make/Type/Fit**	Dyna-Drill / XP / 0.000	**Drill Hrs**	28.13
Avg ROP (Usft/hr)	151.62	**Pre-Run Dyno HP%**	79.8	**Circ Hrs**	0.28

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8	5	3	2	1	1	3 / 2	0/87.6	10.00	800.00	WBM	12.40	0.10	

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**
					0.00 / 1.36

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC66 AZ2 w/6x15s 1.03 (6x15)	A283638	8.750					1.00	1.00
7.25 RIVAL 6:7 10.7 1.50 FBH W/8.50	RVDF70037	7.250					36.15	37.15
8.5 STABILIZER		6.750	2.813				6.27	43.42
NM UBHO		6.750	3.250				3.07	46.49
6.75 NMDC		6.750	2.813				28.91	75.40
6.75 NMDC		6.750	3.000				28.29	103.69
CROSSOVER CET 54 B X 4 1/2 IF P		6.750	2.813				3.42	107.11
								107.11

8.75 - Curve - Cut Brine - Motor Performance Report

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Latitude	32° 26' 59.474" N	**Well**	Dagger State Com 516H - Dagger State Com Pad
Longitude	103° 37' 2.089" W	**State**	New Mexico
Rig	Nabors X12	**County**	Lea
Reason POOH		**BHA #**	5
Lead DD		**Company Man**	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/15/2022 07:00	**SN**	RVMA710014	**WOB Rotate (klbs)**	
Date Out	04/16/2022 10:30	**Description**	7 Rival 7:8 5.7 2.12 FBH w/SS	**WOB Slide (klbs)**	
Depth In/Out(Usft)	9750.00 / 10570.00	**Make**	Rival	**RPM (Max/Avg)**	
Inc In/Out	1.83 / 71.33	**Model**	7" Rival 7:8 5.7 2.12 FBH w/SS	**Flow Rate (gpm)**	
Azi In/Out	59.76 / 356.46	**Lobes / Stages**	7/8 / 5.7	**Off Btm Press (psi)**	
Total Drilled (Usft)	820.00	**Bend Angle**	2.12	**On Btm Press (psi)**	
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**		**Tq On Btm (kftlbs)**	
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Tq Off Btm (kftlbs)**	
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**Avg Diff Press (psi)**	
Slide Hours	0.00	**Stab to Bit (Usft)**		**Temperature (degF)**	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	**Kickpad OD (in)**		**Bit Make**	Ulterra
%Rotary (Hrs)	100.00	**Body OD (in)**	7.000	**Bit Model**	CF611
Rotary Drilled (Usft)	820.00	**Fishneck OD (in)**		**Bit OD (in)**	8.750
Rotary Hours	15.47	**Length (Usft)**	31.42	**Bit TFA**	0.00
Drlg/Circ Hrs	15.47 / 1.72	**Integral Float**	NO	**Bit #**	5
Total D&C/BRT Hrs	17.18 / 27.50	**Rev per Gal:**	0.240	**Bit Grade In**	New
Slide ROP (Usft/hr)	0.00	**#Stalls / Pressure**		**Bit Grade Out**	
Rot ROP (Usft/hr)	53.01	**Stator Make/Type/Fit**	Dyna-Drill / HR / 0.000	**Drill Hrs**	15.47
Avg ROP (Usft/hr)	53.01	**Pre-Run Dyno HP%**	97.8	**Circ Hrs**	1.72

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
5	3	2	1	1	1	2 / 1	0/92.4	9.50	70000.00	WBM	7.60	0.10	

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**
					0.00 / 11.88

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Ulterra CF611 w/6x14s	60675	8.750					1.00	1.00
7 Rival 7:8 5.7 2.12 FBH w/SS	RVMA710014	7.000					31.42	32.42
Resistivity Tool		6.700	2.875				24.82	57.24
Resistivity Tool NM Drill Collar		6.688	2.750				31.02	88.26
Resistivity Tool Hang Off Sub		6.688	2.875				7.31	95.57
Regular NM Drill Collar		7.000	2.750				31.02	126.59
CROSSOVER CET 54 B X 4 1/2 IF P	DR44967	6.750	2.813				3.42	130.01
								130.01

WBM - 8.75 - Curve & Lateral - Motor Performance Report

	Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
	API Job #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Latitude	32° 26' 59.474" N	**Well**	Dagger State Com 516H - Dagger State Com Pad
	Longitude	103° 37' 2.089" W	**State**	New Mexico
	Rig	Nabors X12	**County**	Lea
	Reason POOH		**BHA #**	6
	Lead DD		**Company Man**	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/16/2022 12:45	**SN**	XSS70062	**WOB Rotate (klbs)**	
Date Out	04/17/2022 05:30	**Description**	7" Intrepid 7:8 6.9 w/SS	**WOB Slide (klbs)**	
Depth In/Out(Usft)	10570.00 / 10575.00	**Make**	Intrepid	**RPM (Max/Avg)**	
Inc In/Out	71.35 / 71.61	**Model**	7" Intrepid 7:8 6.9 w/SS	**Flow Rate (gpm)**	
Azi In/Out	356.46 / 356.45	**Lobes / Stages**	7/8 / 6.9	**Off Btm Press (psi)**	
Total Drilled (Usft)	5.00	**Bend Angle**	1.75	**On Btm Press (psi)**	
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**	4.27	**Tq On Btm (kftlbs)**	
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Tq Off Btm (kftlbs)**	
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**Avg Diff Press (psi)**	1960.00
Slide Hours	0.00	**Stab to Bit (Usft)**		**Temperature (degF)**	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	**Kickpad OD (in)**		**Bit Make**	Reed Hycalog
%Rotary (Hrs)	100.00	**Body OD (in)**	7.000	**Bit Model**	TKC76
Rotary Drilled (Usft)	5.00	**Fishneck OD (in)**		**Bit OD (in)**	8.750
Rotary Hours	1.23	**Length (Usft)**	32.04	**Bit TFA**	1.05 (7x14)
Drlg/Circ Hrs	1.23 / 2.90	**Integral Float**	YES	**Bit #**	6
Total D&C/BRT Hrs	4.13 / 16.75	**Rev per Gal:**	0.250	**Bit Grade In**	New
Slide ROP (Usft/hr)	0.00	**#Stalls / Pressure**		**Bit Grade Out**	
Rot ROP (Usft/hr)	4.07	**Stator Make/Type/Fit**	PV / HS88 G0 / 0.007	**Drill Hrs**	1.23
Avg ROP (Usft/hr)	4.07	**Pre-Run Dyno HP%**	102.5	**Circ Hrs**	2.90

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
5	3	2	1	1	1	2 / 1	0/92.4	9.50	70000.00	WBM	7.60	0.10	

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s 1.05 (7x14)	A282792	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	XSS70062	7.000					32.04	33.04
Resistivity Tool		7.000	2.875				24.82	57.86
Resistivity Tool NM Drill Collar		6.688	2.750				31.02	88.88
Resistivity Tool Hang Off Sub	H0165001	6.688	2.750				7.27	96.15
NM Regular NM Drill Collar	DR-38400	6.875	3.312				32.01	128.16
Crossover CET 54 B X 4 1/2 IF P	DR44967	6.875	2.810				3.42	131.58
								131.58

8.75 - OBM - Curve & Lateral - Motor Performance Report

	Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
	API Job #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
	Latitude	32° 26' 59.474" N	Well	Dagger State Com 516H - Dagger State Com Pad
	Longitude	103° 37' 2.089" W	State	New Mexico
	Rig	Nabors X12	County	Lea
	Reason POOH		BHA #	7
	Lead DD		Company Man	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/17/2022 06:30	SN	XSS70062	WOB Rotate (klbs)	33.00
Date Out	04/21/2022 06:30	Description	7" Intrepid 7:8 6.9 w/SS	WOB Slide (klbs)	
Depth In/Out(Usft)	10575.00 / 13863.00	Make	Intrepid	RPM (Max/Avg)	175.00 / 67.17
Inc In/Out	71.62 / 90.46	Model	7" Intrepid 7:8 6.9 w/SS	Flow Rate (gpm)	668.50
Azi In/Out	356.45 / 359.23	Lobes / Stages	7/8 / 6.9	Off Btm Press (psi)	1409.75
Total Drilled (Usft)	3261.00	Bend Angle	1.75	On Btm Press (psi)	3501.10
%Slide (Ftg)	0.00	Bit to Bend (Usft)	51.24	Tq On Btm (kftlbs)	20943.76
%Slide (Hrs)	0.00	Sleeve Stab OD (in)		Tq Off Btm (kftlbs)	
Slide Drilled (Usft)	0.00	Bearing Gap (in)		Avg Diff Press (psi)	
Slide Hours	0.00	Stab to Bit (Usft)		Temperature (degF)	1000.25 / 0.00 / 0.00
%Rotary (Ftg)	100.00	Kickpad OD (in)	4.270	Bit Make	Reed Hycalog
%Rotary (Hrs)	100.00	Body OD (in)	7.000	Bit Model	TKC-76
Rotary Drilled (Usft)	3261.00	Fishneck OD (in)		Bit OD (in)	8.750
Rotary Hours	80.05	Length (Usft)	32.04	Bit TFA	0.00
Drlg/Circ Hrs	80.05 / 1.20	Integral Float	NO	Bit #	6
Total D&C/BRT Hrs	81.25 / 96.00	Rev per Gal:	0.250	Bit Grade In	New
Slide ROP (Usft/hr)	0.00	#Stalls / Pressure		Bit Grade Out	
Rot ROP (Usft/hr)	40.74	Stator Make/Type/Fit	PV / HS88 G0 / 0.007	Drill Hrs	80.05
Avg ROP (Usft/hr)	40.74	Pre-Run Dyno HP%		Circ Hrs	1.20

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
3	2	1	1	1	1	1 / 1	0/90.1	9.80	62000.00	WBM	9.90	0.10	

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**
					0.00 / 15.04

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s	A282792	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	XSS70062	7.000					32.04	33.04
NM UBHO Sub	DR-43487	6.750	3.250				3.07	36.11
NM Drill Collar	DR-41281	6.750	3.000				28.29	64.40
NM Drill Collar		6.875	3.312				32.01	96.41
Crossover CET 54 B X 4 1/2 IF P	R-44967	6.875	2.810				3.42	99.83
								99.83

8.75 - 2nd Lateral - OMB - Motor Performance Report

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Latitude	32° 26' 59.474" N	**Well**	Dagger State Com 516H - Dagger State Com Pad
Longitude	103° 37' 2.089" W	**State**	New Mexico
Rig	Nabors X12	**County**	Lea
Reason POOH		**BHA #**	8
Lead DD		**Company Man**	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/21/2022 07:30	**SN**	XXS70111	**WOB Rotate (klbs)**	
Date Out	04/22/2022 15:45	**Description**	7 Intrepid 7:8 6.9 w/SS	**WOB Slide (klbs)**	
Depth In/Out(Usft)	13863.00 / 14112.00	**Make**	Intrepid	**RPM (Max/Avg)**	
Inc In/Out	0.00 / 90.46	**Model**	7" Intrepid 7:8 6.9 w/SS	**Flow Rate (gpm)**	
Azi In/Out	0.00 / 359.23	**Lobes / Stages**	7/8 / 6.9	**Off Btm Press (psi)**	
Total Drilled (Usft)	276.00	**Bend Angle**	1.83	**On Btm Press (psi)**	
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**	4.27	**Tq On Btm (kftlbs)**	
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Tq Off Btm (kftlbs)**	
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**Avg Diff Press (psi)**	
Slide Hours	0.00	**Stab to Bit (Usft)**		**Temperature (degF)**	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	**Kickpad OD (in)**		**Bit Make**	Reed Hycalog
%Rotary (Hrs)	100.00	**Body OD (in)**	7.000	**Bit Model**	Reed TKC76 w/7x14s
Rotary Drilled (Usft)	276.00	**Fishneck OD (in)**		**Bit OD (in)**	8.750
Rotary Hours	6.47	**Length (Usft)**	31.93	**Bit TFA**	1.21 (7x15)
Drlg/Circ Hrs	6.47 / 8.65	**Integral Float**	YES	**Bit #**	8
Total D&C/BRT Hrs	15.12 / 32.25	**Rev per Gal:**	0.250	**Bit Grade In**	New
Slide ROP (Usft/hr)	0.00	**#Stalls / Pressure**		**Bit Grade Out**	
Rot ROP (Usft/hr)	42.66	**Stator Make/Type/Fit**	PV / HS88 G0 / 0.007	**Drill Hrs**	6.47
Avg ROP (Usft/hr)	42.66	**Pre-Run Dyno HP%**	93.5	**Circ Hrs**	8.65

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
34	20	15	10	5	4	14 / 6	65/35	9.50	59000.00	OBM	10.40		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s 1.21 (7x15)	A287051	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	XXS70111	7.000					31.93	32.93
Resistivity Tool	WPR-176	6.750	3.250				24.88	57.81
APS NMDC	REZSL-171012	7.000	2.750				31.05	88.86
Hang Off Sub	REZ10	7.250	3.250				7.25	96.11
6.75 NMDC	DR-41281	6.750	3.000				28.29	124.40
Crossover		6.875	2.810				3.42	127.82
								127.82

8.75 - 3rd Lateral - OBM - Motor Performance Report

Job #	M22182	Operator	ADVANCE ENERGY PARTNERS
API Job #		Field	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Latitude	32° 26' 59.474" N	Well	Dagger State Com 516H - Dagger State Com Pad
Longitude	103° 37' 2.089" W	State	New Mexico
Rig	Nabors X12	County	Lea
Reason POOH		BHA #	9
Lead DD		Company Man	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/22/2022 20:00	SN	XSS70112	WOB Rotate (klbs)	
Date Out	04/26/2022 11:00	Description	7 Intrepid 7:8 6.9 w/SS	WOB Slide (klbs)	
Depth In/Out(Usft)	14112.00 / 16346.00	Make	Intrepid	RPM (Max/Avg)	
Inc In/Out	0.00 / 90.46	Model	7" Intrepid 7:8 6.9 w/SS	Flow Rate (gpm)	
Azi In/Out	0.00 / 359.23	Lobes / Stages	7/8 / 6.9	Off Btm Press (psi)	
Total Drilled (Usft)	2234.00	Bend Angle	1.75	On Btm Press (psi)	
%Slide (Ftg)	0.00	Bit to Bend (Usft)	4.27	Tq On Btm (kftlbs)	
%Slide (Hrs)	0.00	Sleeve Stab OD (in)		Tq Off Btm (kftlbs)	
Slide Drilled (Usft)	0.00	Bearing Gap (in)		Avg Diff Press (psi)	
Slide Hours	0.00	Stab to Bit (Usft)		Temperature (degF)	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	Kickpad OD (in)	4.300	Bit Make	Reed Hycalog
%Rotary (Hrs)	100.00	Body OD (in)	7.000	Bit Model	Reed TKC76 w/7x14s
Rotary Drilled (Usft)	2234.00	Fishneck OD (in)	7.000	Bit OD (in)	8.750
Rotary Hours	66.92	Length (Usft)	31.89	Bit TFA	1.05 (7x14)
Drlg/Circ Hrs	66.92 / 2.12	Integral Float	YES	Bit #	9
Total D&C/BRT Hrs	69.03 / 87.00	Rev per Gal:	0.250	Bit Grade In	New
Slide ROP (Usft/hr)	0.00	#Stalls / Pressure		Bit Grade Out	
Rot ROP (Usft/hr)	33.38	Stator Make/Type/Fit	PV / HS88 / 0.007	Drill Hrs	66.92
Avg ROP (Usft/hr)	33.38	Pre-Run Dyno HP%	95.4	Circ Hrs	2.12

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
48	35	21	10	5	4	14 / 7	70/30	9.50	55000.00	OBM	12.60		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s 1.05 (7x14)	A283986	8.750					1.00	1.00
7 Intrepid 7:8 6.9 w/SS	XSS70112	7.000					31.89	32.89
NM UBHO Sub	DR43487	6.750	3.250				3.07	35.96
NM Drill Collar	DR41281	6.750	3.000				28.29	64.25
NM Drill Collar	DR38400	6.875	3.312				32.01	96.26
Crossover CET 54 B X 4 1/2 IF P	DR44967	6.750	2.813				3.42	99.68
								99.68

8.75 - 3rd Lateral - OBM - Motor Performance Report

Job #	M22182	**Operator**	ADVANCE ENERGY PARTNERS
API Job #		**Field**	Lea County, NM (NAD83) - ADVANCE ENERGY PARTNERS
Latitude	32° 26' 59.474" N	**Well**	Dagger State Com 516H - Dagger State Com Pad
Longitude	103° 37' 2.089" W	**State**	New Mexico
Rig	Nabors X12	**County**	Lea
Reason POOH		**BHA #**	10
Lead DD		**Company Man**	

Motor Performance Report

Run Data		Motor Data		Drilling Parameters	
Date In	04/26/2022 12:00	**SN**	XSS70102	**WOB Rotate (klbs)**	
Date Out	04/30/2022 08:30	**Description**	7" Intrepid 7:8 6.9 w/SS	**WOB Slide (klbs)**	
Depth In/Out(Usft)	16346.00 / 18441.00	**Make**	Intrepid	**RPM (Max/Avg)**	
Inc In/Out	0.00 / 90.46	**Model**	7" Intrepid 7:8 6.9 w/SS	**Flow Rate (gpm)**	
Azi In/Out	0.00 / 359.23	**Lobes / Stages**	7/8 / 6.9	**Off Btm Press (psi)**	
Total Drilled (Usft)	2095.00	**Bend Angle**	1.75	**On Btm Press (psi)**	
%Slide (Ftg)	0.00	**Bit to Bend (Usft)**	4.27	**Tq On Btm (kftlbs)**	
%Slide (Hrs)	0.00	**Sleeve Stab OD (in)**		**Tq Off Btm (kftlbs)**	
Slide Drilled (Usft)	0.00	**Bearing Gap (in)**		**Avg Diff Press (psi)**	600.00
Slide Hours	0.00	**Stab to Bit (Usft)**		**Temperature (degF)**	0.00 / 0.00 / 0.00
%Rotary (Ftg)	100.00	**Kickpad OD (in)**	4.270	**Bit Make**	Reed Hycalog
%Rotary (Hrs)	100.00	**Body OD (in)**	7.000	**Bit Model**	Reed TKC76 w/7x14s
Rotary Drilled (Usft)	2095.00	**Fishneck OD (in)**	7.000	**Bit OD (in)**	8.750
Rotary Hours	54.75	**Length (Usft)**	32.89	**Bit TFA**	1.05 (7x14)
Drlg/Circ Hrs	54.75 / 4.90	**Integral Float**	YES	**Bit #**	10
Total D&C/BRT Hrs	59.65 / 92.50	**Rev per Gal:**	0.250	**Bit Grade In**	New
Slide ROP (Usft/hr)	0.00	**#Stalls / Pressure**		**Bit Grade Out**	
Rot ROP (Usft/hr)	38.26	**Stator Make/Type/Fit**	PV / HS88 G0 / 0.007	**Drill Hrs**	54.75
Avg ROP (Usft/hr)	38.26	**Pre-Run Dyno HP%**	90.1	**Circ Hrs**	4.90

Mud Data

600	300	200	100	6	3	PV / YP	Oil / Water	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
35	21	16	11	4	4	14 / 7	70/30	9.60	54500.00	OBM	12.50		

Sensor Offsets / Directional Performance

Svy (Usft)	Gam (Usft)	Res (Usft)	PWD (Usft)	Dens (Usft)	Neu (Usft)
Sonic (Usft)	**NB Inc (Usft)**	**NB Azi (Usft)**	**Gyro (Usft)**	**Plan DLS (°/100ft)**	**Act/Max DLS (°/100ft)**

BHA Details

Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (ft/lbs)	Length (Usft)	Total Length (Usft)
Reed TKC76 w/7x14s 1.05 (7x14)	A278044	8.750					1.00	1.00
7" Intrepid 7:8 6.9 w/SS	XSS70102	7.000					32.89	33.89
Resistivity Tool	609	6.750	3.312				31.00	64.89
Resistivity Tool Carrier		6.750	3.312				34.52	99.41
NM Drill Collar	DR38400	6.875	3.312				32.01	131.42
CROSSOVER CET 54 B X 4 1/2 IF P	DR44967	6.750	2.813				3.42	134.84
								134.84

Section - Eight
Slide Sheets

8.75 - OBM - Curve & Lateral - Slide Sheet

	8.75 - OBM - Curve & Lateral - Slide Sheet	

Operator	ADVANCE ENERGY PARTNERS	BHA	8.75 - OBM - Curve & Lateral	BHA #:	7	RKB:	3847.51	North Reference:	GRID	Total Drilled:	13836.41
Site	Dagger State Com Pad - Lea County, NM (NAD83)	Survey Offset	0.00	BHA Type:	Motor	Units:	Us Feet	Declination:	1.00	Rotate :	13823.41
Well Name	Dagger State Com 516H	Gamma Offset	0.00	Bit Type:	PDC	Grid Conv:	3847.51	VS Azimuth:	2.59	Slide:	13.00

Drilling Data											Survey Data										Parameters									Weights			Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	Course Len.	Operation	Tgt TF	TF	MY	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	SPP On Btm	SPP Off Btm	Diff	Temp	PU	ROT	SO	Comments
04/20/2022	09:41	12:57	3.27	0.00	13533.00	13533.00	Rotate				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	-0.00	17.37	64.81	651.27	19223.98	4143.48	3167.59		3167.59					
04/20/2022	12:57	14:12	1.25	13533.00	13546.00	13.00	Slide	0.00	145.66												40.01	64.60	651.27	20928.08	11.72	3344.29	3029.30	314.99					
04/20/2022	14:12	22:01	7.82	13546.00	13836.00	290.00	Rotate														43.95	69.52	702.96	22663.55	37.15	3991.42	650.96	3340.46			237.47		
04/21/2022	00:00	00:00	0.00	13836.00	13836.41	0.41	Rotate																				548.98						

Advance Energy Partners

Hat Mesa
Dagger State
Dagger State Com 516H

Dagger State Com 516H

Survey: AD

Survey Report - Geographic

30 January, 2023

Survey Report - Geographic

Company:	Advance Energy Partners	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Hat Mesa	**TVD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Site:	Dagger State	**MD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Dagger State Com 516H	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL	**Database:**	AUS-COMPASS - EDM_15 - 32bit

Project Hat Mesa, Lea County, NM

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Dagger State

Site Position:		**Northing:**	529,194.79 usft	**Latitude:**	32.4527140
From:	Lat/Long	**Easting:**	766,028.88 usft	**Longitude:**	-103.6049010
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.39 °

Well Dagger State Com 516H

Well Position	**+N/-S**	0.0 usft	**Northing:**	528,128.54 usft	**Latitude:**	32.4498540
	+E/-W	0.0 usft	**Easting:**	762,227.54 usft	**Longitude:**	-103.6172470
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,815.0 usft

Wellbore Dagger State Com 516H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	3/14/2022	6.50	60.07	47,542.54649153

Design FINAL

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	2.51

Survey Program **Date** 1/30/2023

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
277.0	18,441.0	AD (Dagger State Com 516H)	MWD	OWSG MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	528,128.54	762,227.54	32.4498540	-103.6172470
277.0	0.79	40.45	277.0	1.5	1.2	528,130.00	762,228.78	32.4498580	-103.6172429
427.0	0.88	7.14	427.0	3.4	2.1	528,131.93	762,229.59	32.4498633	-103.6172403
489.0	0.92	8.64	489.0	4.3	2.2	528,132.89	762,229.73	32.4498659	-103.6172398
670.0	0.66	289.62	670.0	6.1	1.4	528,134.68	762,228.96	32.4498709	-103.6172422
760.0	0.84	281.98	759.9	6.4	0.3	528,134.99	762,227.83	32.4498717	-103.6172459
851.0	0.97	259.21	850.9	6.4	-1.1	528,134.98	762,226.42	32.4498717	-103.6172505
941.0	1.36	248.58	940.9	5.9	-2.9	528,134.45	762,224.68	32.4498703	-103.6172561
1,031.0	1.36	243.92	1,030.9	5.0	-4.8	528,133.59	762,222.72	32.4498680	-103.6172625
1,122.0	1.41	242.78	1,121.9	4.1	-6.8	528,132.60	762,220.76	32.4498653	-103.6172689
1,212.0	1.67	234.78	1,211.8	2.8	-8.8	528,131.34	762,218.70	32.4498619	-103.6172756
1,308.0	1.76	225.99	1,307.8	1.0	-11.0	528,129.51	762,216.50	32.4498569	-103.6172828

Survey Report - Geographic

Company:	Advance Energy Partners	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Hat Mesa	**TVD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Site:	Dagger State	**MD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Dagger State Com 516H	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL	**Database:**	AUS-COMPASS - EDM_15 - 32bit

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,403.0	1.67	214.56	1,402.7	-1.2	-12.9	528,127.36	762,214.66	32.4498510	-103.6172888
1,498.0	1.49	197.78	1,497.7	-3.5	-14.0	528,125.04	762,213.50	32.4498447	-103.6172926
1,555.0	1.23	198.57	1,554.7	-4.8	-14.5	528,123.75	762,213.08	32.4498411	-103.6172940
1,677.0	2.24	108.92	1,676.7	-6.8	-12.6	528,121.74	762,214.92	32.4498356	-103.6172880
1,773.0	5.19	101.80	1,772.4	-8.3	-6.6	528,120.24	762,220.95	32.4498313	-103.6172685
1,869.0	5.45	99.96	1,868.0	-10.0	2.1	528,118.57	762,229.69	32.4498266	-103.6172402
1,964.0	4.57	113.46	1,962.7	-12.3	10.1	528,116.28	762,237.60	32.4498201	-103.6172146
2,060.0	4.34	122.46	2,058.4	-15.7	16.6	528,112.81	762,244.17	32.4498105	-103.6171934
2,156.0	4.26	139.86	2,154.1	-20.4	22.0	528,108.13	762,249.54	32.4497975	-103.6171761
2,253.0	4.48	144.96	2,250.8	-26.3	26.5	528,102.28	762,254.04	32.4497813	-103.6171617
2,347.0	4.26	146.36	2,344.6	-32.2	30.5	528,096.36	762,258.08	32.4497650	-103.6171487
2,443.0	4.92	135.99	2,440.3	-38.1	35.4	528,090.43	762,262.91	32.4497486	-103.6171331
2,538.0	5.58	128.87	2,534.9	-43.9	41.8	528,084.61	762,269.34	32.4497325	-103.6171124
2,634.0	5.89	124.39	2,630.4	-49.6	49.5	528,078.89	762,277.04	32.4497166	-103.6170876
2,729.0	5.89	120.70	2,724.9	-54.9	57.7	528,073.65	762,285.25	32.4497021	-103.6170611
2,825.0	6.15	119.99	2,820.3	-60.0	66.4	528,068.57	762,293.94	32.4496879	-103.6170330
2,920.0	6.51	122.19	2,914.8	-65.4	75.4	528,063.15	762,302.91	32.4496729	-103.6170041
3,016.0	5.89	127.29	3,010.2	-71.3	83.9	528,057.27	762,311.43	32.4496566	-103.6169766
3,112.0	5.76	124.92	3,105.7	-77.0	91.8	528,051.53	762,319.30	32.4496406	-103.6169512
3,208.0	5.49	123.95	3,201.2	-82.3	99.5	528,046.21	762,327.06	32.4496259	-103.6169262
3,303.0	4.97	124.83	3,295.9	-87.2	106.7	528,041.32	762,334.21	32.4496123	-103.6169031
3,399.0	5.10	129.05	3,391.5	-92.3	113.4	528,036.26	762,340.93	32.4495983	-103.6168814
3,495.0	5.32	142.32	3,487.1	-98.5	119.4	528,030.04	762,346.97	32.4495811	-103.6168620
3,590.0	4.62	140.82	3,581.7	-104.9	124.5	528,023.59	762,352.08	32.4495633	-103.6168456
3,685.0	4.40	142.58	3,676.4	-110.8	129.2	528,017.73	762,356.71	32.4495471	-103.6168307
3,781.0	3.87	142.41	3,772.2	-116.3	133.4	528,012.24	762,360.92	32.4495319	-103.6168171
3,877.0	3.65	141.70	3,868.0	-121.3	137.3	528,007.28	762,364.79	32.4495182	-103.6168047
3,972.0	4.97	142.32	3,962.7	-126.9	141.6	528,001.65	762,369.18	32.4495026	-103.6167906
4,068.0	6.59	143.46	4,058.2	-134.6	147.5	527,993.93	762,375.00	32.4494813	-103.6167719
4,164.0	6.86	145.48	4,153.6	-143.8	154.0	527,984.78	762,381.53	32.4494560	-103.6167509
4,260.0	5.45	145.75	4,249.0	-152.3	159.8	527,976.29	762,387.35	32.4494326	-103.6167323
4,355.0	5.10	146.98	4,343.6	-159.5	164.7	527,969.02	762,392.19	32.4494125	-103.6167167
4,451.0	5.19	148.03	4,439.2	-166.8	169.3	527,961.76	762,396.81	32.4493925	-103.6167019
4,546.0	5.14	147.94	4,533.8	-174.0	173.8	527,954.50	762,401.35	32.4493725	-103.6166874
4,642.0	4.79	146.80	4,629.5	-181.0	178.3	527,947.51	762,405.82	32.4493531	-103.6166730
4,738.0	4.44	147.59	4,725.2	-187.5	182.5	527,941.01	762,410.01	32.4493352	-103.6166596
4,833.0	4.22	147.94	4,819.9	-193.6	186.3	527,934.95	762,413.84	32.4493185	-103.6166473
4,929.0	3.91	149.61	4,915.6	-199.4	189.8	527,929.13	762,417.37	32.4493024	-103.6166360
5,052.0	3.87	153.13	5,038.4	-206.7	193.8	527,921.81	762,421.36	32.4492822	-103.6166232
5,215.0	5.10	134.41	5,200.9	-216.7	201.5	527,911.83	762,429.03	32.4492547	-103.6165986
5,311.0	4.92	132.30	5,296.5	-222.5	207.6	527,906.08	762,435.12	32.4492387	-103.6165789
5,405.0	4.48	133.53	5,390.2	-227.7	213.2	527,900.84	762,440.76	32.4492242	-103.6165608
5,514.0	3.65	135.55	5,498.9	-233.1	218.7	527,895.43	762,446.28	32.4492092	-103.6165430
5,610.0	3.56	135.90	5,594.7	-237.4	223.0	527,891.10	762,450.49	32.4491973	-103.6165294
5,706.0	3.43	133.79	5,690.5	-241.6	227.1	527,886.98	762,454.64	32.4491859	-103.6165161
5,801.0	3.34	131.42	5,785.4	-245.4	231.2	527,883.18	762,458.77	32.4491754	-103.6165028
5,897.0	3.25	131.16	5,881.2	-249.0	235.4	527,879.54	762,462.91	32.4491653	-103.6164894
5,993.0	3.82	137.92	5,977.0	-253.2	239.6	527,875.37	762,467.11	32.4491537	-103.6164759
6,088.0	4.48	139.33	6,071.8	-258.3	244.1	527,870.21	762,471.64	32.4491395	-103.6164613
6,183.0	4.48	140.38	6,166.5	-264.0	248.9	527,864.54	762,476.43	32.4491238	-103.6164459
6,279.0	4.53	139.59	6,262.2	-269.8	253.7	527,858.76	762,481.28	32.4491078	-103.6164303
6,375.0	4.53	140.21	6,357.9	-275.6	258.6	527,852.96	762,486.16	32.4490918	-103.6164146
6,470.0	4.57	140.56	6,452.6	-281.4	263.4	527,847.16	762,490.97	32.4490758	-103.6163992
6,566.0	4.57	139.68	6,548.3	-287.3	268.3	527,841.29	762,495.87	32.4490595	-103.6163834
6,662.0	4.31	139.15	6,644.0	-292.9	273.2	527,835.64	762,500.70	32.4490439	-103.6163679

Survey Report - Geographic

Company:	Advance Energy Partners	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Hat Mesa	**TVD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Site:	Dagger State	**MD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Dagger State Com 516H	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL	**Database:**	AUS-COMPASS - EDM_15 - 32bit

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,757.0	4.13	138.89	6,738.7	-298.2	277.7	527,830.37	762,505.29	32.4490293	-103.6163531
6,853.0	3.87	139.07	6,834.5	-303.2	282.1	527,825.31	762,509.68	32.4490154	-103.6163390
6,949.0	3.82	139.33	6,930.3	-308.1	286.4	527,820.44	762,513.89	32.4490019	-103.6163255
7,045.0	3.78	138.28	7,026.1	-312.9	290.5	527,815.65	762,518.08	32.4489887	-103.6163120
7,141.0	3.65	138.63	7,121.9	-317.5	294.7	527,811.00	762,522.21	32.4489758	-103.6162987
7,236.0	3.87	140.91	7,216.7	-322.3	298.7	527,806.24	762,526.23	32.4489626	-103.6162858
7,332.0	3.43	141.53	7,312.5	-327.1	302.5	527,801.48	762,530.05	32.4489495	-103.6162735
7,428.0	3.43	142.76	7,408.3	-331.6	306.0	527,796.94	762,533.58	32.4489369	-103.6162621
7,523.0	3.34	143.72	7,503.1	-336.1	309.4	527,792.45	762,536.94	32.4489245	-103.6162514
7,619.0	3.30	147.06	7,599.0	-340.7	312.6	527,787.88	762,540.09	32.4489119	-103.6162412
7,715.0	3.25	148.65	7,694.8	-345.3	315.5	527,783.23	762,543.01	32.4488991	-103.6162319
7,811.0	3.08	150.58	7,790.7	-349.9	318.2	527,778.66	762,545.69	32.4488865	-103.6162233
7,907.0	2.95	153.83	7,886.5	-354.3	320.5	527,774.20	762,548.05	32.4488742	-103.6162157
8,002.0	2.99	155.85	7,981.4	-358.8	322.6	527,769.75	762,550.14	32.4488619	-103.6162090
8,097.0	4.04	147.94	8,076.2	-363.9	325.4	527,764.65	762,552.93	32.4488478	-103.6162001
8,193.0	5.05	144.43	8,171.9	-370.2	329.6	527,758.34	762,557.19	32.4488304	-103.6161865
8,289.0	5.01	146.63	8,267.6	-377.1	334.4	527,751.41	762,561.95	32.4488113	-103.6161712
8,384.0	5.01	146.01	8,362.2	-384.0	339.0	527,744.50	762,566.55	32.4487922	-103.6161564
8,480.0	4.92	147.24	8,457.8	-391.0	343.6	527,737.57	762,571.12	32.4487730	-103.6161417
8,575.0	4.75	150.93	8,552.5	-397.8	347.7	527,730.70	762,575.24	32.4487541	-103.6161286
8,670.0	4.66	152.69	8,647.2	-404.7	351.4	527,723.84	762,578.92	32.4487352	-103.6161168
8,766.0	5.23	144.60	8,742.8	-411.7	355.7	527,716.80	762,583.24	32.4487158	-103.6161029
8,862.0	5.89	135.38	8,838.4	-418.8	361.7	527,709.73	762,589.24	32.4486962	-103.6160836
8,957.0	5.67	132.21	8,932.9	-425.4	368.6	527,703.11	762,596.14	32.4486779	-103.6160614
9,052.0	4.88	133.79	9,027.5	-431.4	375.0	527,697.16	762,602.53	32.4486614	-103.6160408
9,148.0	4.66	135.02	9,123.2	-437.0	380.7	527,691.58	762,608.23	32.4486460	-103.6160224
9,244.0	4.22	132.74	9,218.9	-442.1	386.0	527,686.42	762,613.58	32.4486317	-103.6160052
9,339.0	4.22	131.07	9,313.6	-446.8	391.2	527,681.75	762,618.79	32.4486188	-103.6159884
9,435.0	3.56	135.11	9,409.4	-451.2	396.0	527,677.32	762,623.55	32.4486065	-103.6159731
9,530.0	2.29	139.86	9,504.3	-454.8	399.3	527,673.78	762,626.86	32.4485967	-103.6159625
9,626.0	1.36	147.50	9,600.2	-457.2	401.2	527,671.35	762,628.71	32.4485900	-103.6159565
9,732.0	0.35	137.75	9,706.2	-458.5	402.1	527,670.05	762,629.60	32.4485864	-103.6159536
9,779.0	4.66	53.02	9,753.2	-457.4	403.7	527,671.09	762,631.22	32.4485892	-103.6159484
9,825.0	8.33	51.82	9,798.8	-454.3	407.8	527,674.28	762,635.34	32.4485979	-103.6159350
KOP 9825'MD									
9,827.0	8.49	51.79	9,800.8	-454.1	408.0	527,674.46	762,635.57	32.4485984	-103.6159342
9,875.0	11.34	27.09	9,848.1	-447.7	413.0	527,680.86	762,640.50	32.4486159	-103.6159181
9,922.0	15.39	18.39	9,893.8	-437.6	417.0	527,690.89	762,644.58	32.4486434	-103.6159046
9,969.0	20.26	12.06	9,938.6	-423.8	420.7	527,704.78	762,648.25	32.4486815	-103.6158924
10,017.0	24.35	5.56	9,983.0	-405.8	423.4	527,722.77	762,650.94	32.4487309	-103.6158833
10,113.0	35.34	2.84	10,066.1	-358.2	426.7	527,770.34	762,654.25	32.4488616	-103.6158716
10,208.0	46.51	0.38	10,137.8	-296.1	428.3	527,832.44	762,655.84	32.4490323	-103.6158650
10,304.0	55.82	359.85	10,197.9	-221.4	428.4	527,907.14	762,655.97	32.4492376	-103.6158630
10,400.0	63.30	0.81	10,246.5	-138.7	428.9	527,989.85	762,656.47	32.4494649	-103.6158596
10,495.0	67.21	357.39	10,286.3	-52.5	427.5	528,076.08	762,655.08	32.4497019	-103.6158622
10,587.0	72.26	356.42	10,318.2	33.7	422.9	528,162.23	762,650.41	32.4499388	-103.6158755
10,658.0	82.76	358.39	10,333.5	102.8	419.8	528,231.38	762,647.30	32.4501289	-103.6158840
516H HARDLINE Entry at 10658.0 MD									
10,683.0	86.46	359.06	10,335.8	127.7	419.2	528,256.26	762,646.75	32.4501973	-103.6158853
LP/EOC 10683'MD									
10,779.0	91.25	0.29	10,337.8	223.7	418.7	528,352.21	762,646.20	32.4504611	-103.6158850
10,875.0	89.98	0.29	10,336.7	319.7	419.2	528,448.20	762,646.69	32.4507249	-103.6158813
10,971.0	89.45	356.95	10,337.2	415.6	416.8	528,544.15	762,644.38	32.4509887	-103.6158867
11,066.0	88.62	357.04	10,338.8	510.5	411.9	528,639.01	762,639.40	32.4512495	-103.6159008
11,162.0	89.32	356.95	10,340.5	606.3	406.8	528,734.86	762,634.37	32.4515130	-103.6159150

Survey Report - Geographic

Company:	Advance Energy Partners	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Hat Mesa	**TVD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Site:	Dagger State	**MD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Dagger State Com 516H	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL	**Database:**	AUS-COMPASS - EDM_15 - 32bit

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,258.0	86.11	357.21	10,344.4	702.1	401.9	528,830.65	762,629.48	32.4517764	-103.6159288
11,354.0	84.97	356.95	10,351.8	797.7	397.1	528,926.23	762,624.61	32.4520392	-103.6159425
11,449.0	87.56	358.97	10,358.0	892.4	393.7	529,020.96	762,621.23	32.4522996	-103.6159513
11,544.0	91.87	0.46	10,358.5	987.4	393.2	529,115.93	762,620.76	32.4525607	-103.6159508
11,640.0	92.13	0.20	10,355.1	1,083.3	393.8	529,211.87	762,621.31	32.4528244	-103.6159469
11,736.0	92.97	0.29	10,350.9	1,179.2	394.2	529,307.77	762,621.72	32.4530880	-103.6159435
11,832.0	94.55	359.67	10,344.6	1,275.0	394.2	529,403.56	762,621.69	32.4533513	-103.6159415
11,927.0	93.71	0.55	10,337.7	1,369.8	394.3	529,498.31	762,621.87	32.4536117	-103.6159389
12,023.0	90.42	0.29	10,334.3	1,465.7	395.0	529,594.24	762,622.58	32.4538753	-103.6159345
12,119.0	88.79	0.38	10,334.9	1,561.7	395.6	529,690.23	762,623.14	32.4541392	-103.6159306
12,215.0	88.70	359.50	10,337.0	1,657.7	395.5	529,786.20	762,623.04	32.4544030	-103.6159288
12,311.0	88.31	358.88	10,339.5	1,753.6	394.1	529,882.16	762,621.68	32.4546667	-103.6159311
12,406.0	88.57	358.53	10,342.1	1,848.6	392.0	529,977.10	762,619.53	32.4549277	-103.6159360
12,502.0	88.79	358.35	10,344.3	1,944.5	389.4	530,073.04	762,616.92	32.4551915	-103.6159424
12,598.0	90.15	358.18	10,345.2	2,040.4	386.5	530,168.99	762,614.02	32.4554552	-103.6159497
12,693.0	90.24	358.00	10,344.9	2,135.4	383.3	530,263.94	762,610.85	32.4557163	-103.6159579
12,789.0	89.98	0.55	10,344.7	2,231.4	382.1	530,359.92	762,609.63	32.4559801	-103.6159598
12,885.0	89.32	0.11	10,345.3	2,327.4	382.6	530,455.92	762,610.19	32.4562440	-103.6159559
12,981.0	89.45	359.58	10,346.3	2,423.4	382.4	530,551.91	762,609.93	32.4565078	-103.6159547
13,076.0	89.80	359.41	10,347.0	2,518.4	381.6	530,646.90	762,609.09	32.4567689	-103.6159553
13,171.0	89.80	359.14	10,347.3	2,613.4	380.4	530,741.90	762,607.89	32.4570300	-103.6159571
13,267.0	90.99	359.14	10,346.6	2,709.3	378.9	530,837.88	762,606.45	32.4572939	-103.6159597
13,362.0	92.18	358.44	10,344.0	2,804.3	376.9	530,932.82	762,604.44	32.4575549	-103.6159641
13,458.0	90.46	359.23	10,341.8	2,900.2	375.0	531,028.77	762,602.49	32.4578186	-103.6159684
13,554.0	88.66	1.08	10,342.5	2,996.2	375.2	531,124.76	762,602.75	32.4580825	-103.6159654
13,650.0	89.63	1.43	10,344.0	3,092.2	377.3	531,220.73	762,604.85	32.4583462	-103.6159565
13,746.0	89.89	1.78	10,344.4	3,188.1	380.0	531,316.69	762,607.54	32.4586099	-103.6159457
13,861.0	88.00	3.28	10,346.5	3,303.0	385.1	531,431.55	762,612.62	32.4589255	-103.6159268
13,957.0	88.53	359.94	10,349.4	3,398.9	387.8	531,527.45	762,615.31	32.4591891	-103.6159159
14,130.0	91.25	358.18	10,349.7	3,571.9	384.9	531,700.40	762,612.47	32.4596645	-103.6159214
14,225.0	90.29	358.97	10,348.4	3,666.8	382.6	531,795.36	762,610.11	32.4599256	-103.6159270
14,321.0	91.52	358.18	10,346.9	3,762.8	380.2	531,891.32	762,607.73	32.4601893	-103.6159326
14,416.0	88.22	359.41	10,347.1	3,857.7	378.2	531,986.28	762,605.73	32.4604504	-103.6159370
14,512.0	89.58	359.14	10,349.0	3,953.7	377.0	532,082.26	762,604.51	32.4607142	-103.6159389
14,607.0	88.53	359.41	10,350.6	4,048.7	375.8	532,177.23	762,603.31	32.4609753	-103.6159407
14,702.0	88.57	358.79	10,353.0	4,143.6	374.3	532,272.19	762,601.82	32.4612363	-103.6159435
14,797.0	87.87	358.27	10,355.9	4,238.6	371.8	532,367.11	762,599.38	32.4614973	-103.6159493
14,892.0	91.65	359.67	10,356.3	4,333.5	370.1	532,462.08	762,597.68	32.4617583	-103.6159528
14,987.0	93.01	359.07	10,352.4	4,428.4	369.1	532,556.99	762,596.63	32.4620192	-103.6159541
15,083.0	90.95	1.17	10,349.1	4,524.4	369.3	532,652.92	762,596.84	32.4622829	-103.6159513
15,178.0	93.05	1.25	10,345.8	4,619.3	371.3	532,747.84	762,598.84	32.4625437	-103.6159428
15,274.0	91.78	358.97	10,341.8	4,715.2	371.5	532,843.74	762,599.02	32.4628073	-103.6159401
15,370.0	89.23	359.23	10,340.9	4,811.2	370.0	532,939.72	762,597.52	32.4630711	-103.6159429
15,466.0	87.96	358.44	10,343.3	4,907.1	368.0	533,035.67	762,595.56	32.4633349	-103.6159471
15,561.0	87.34	357.56	10,347.2	5,002.0	364.7	533,130.53	762,592.25	32.4635957	-103.6159558
15,657.0	88.00	357.56	10,351.1	5,097.8	360.6	533,226.36	762,588.17	32.4638592	-103.6159669
15,753.0	88.62	357.56	10,353.9	5,193.7	356.5	533,322.23	762,584.08	32.4641228	-103.6159781
15,848.0	87.69	359.94	10,357.0	5,288.6	354.5	533,417.15	762,582.01	32.4643837	-103.6159827
15,944.0	88.00	1.08	10,360.6	5,384.5	355.3	533,513.08	762,582.87	32.4646473	-103.6159779
16,040.0	91.43	2.13	10,361.0	5,480.5	358.0	533,609.03	762,585.55	32.4649110	-103.6159671
16,135.0	92.75	2.13	10,357.6	5,575.4	361.5	533,703.90	762,589.08	32.4651717	-103.6159536
16,231.0	91.78	359.50	10,353.8	5,671.3	362.9	533,799.80	762,590.45	32.4654353	-103.6159470
16,357.0	94.95	356.42	10,346.4	5,796.9	358.4	533,925.47	762,585.98	32.4657808	-103.6159588
16,453.0	91.91	357.74	10,340.6	5,892.6	353.6	534,021.16	762,581.10	32.4660439	-103.6159725
16,548.0	89.93	359.76	10,339.1	5,987.6	351.5	534,116.12	762,579.02	32.4663049	-103.6159772

Survey Report - Geographic

Company:	Advance Energy Partners	**Local Co-ordinate Reference:**	Well Dagger State Com 516H
Project:	Hat Mesa	**TVD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Site:	Dagger State	**MD Reference:**	WELL @ 3841.5usft (Original Well Elev)
Well:	Dagger State Com 516H	**North Reference:**	Grid
Wellbore:	Dagger State Com 516H	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL	**Database:**	AUS-COMPASS - EDM_15 - 32bit

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
16,644.0	89.27	2.31	10,339.8	6,083.6	353.2	534,212.09	762,580.76	32.4665687	-103.6159695
16,740.0	88.18	1.08	10,341.9	6,179.5	356.1	534,308.02	762,583.60	32.4668323	-103.6159582
16,836.0	86.73	0.38	10,346.2	6,275.4	357.3	534,403.92	762,584.82	32.4670959	-103.6159521
16,931.0	88.18	359.67	10,350.4	6,370.3	357.3	534,498.82	762,584.86	32.4673567	-103.6159499
17,026.0	88.79	359.32	10,352.9	6,465.2	356.5	534,593.78	762,584.02	32.4676177	-103.6159506
17,122.0	91.08	359.23	10,353.0	6,561.2	355.3	534,689.77	762,582.81	32.4678816	-103.6159524
17,218.0	89.01	359.23	10,353.0	6,657.2	354.0	534,785.76	762,581.52	32.4681454	-103.6159545
17,314.0	88.70	358.62	10,354.9	6,753.2	352.2	534,881.72	762,579.72	32.4684092	-103.6159583
17,410.0	90.68	358.27	10,355.4	6,849.1	349.6	534,977.68	762,577.11	32.4686730	-103.6159646
17,505.0	88.13	359.85	10,356.4	6,944.1	348.0	535,072.65	762,575.55	32.4689341	-103.6159676
17,601.0	89.58	359.58	10,358.3	7,040.1	347.5	535,168.63	762,575.08	32.4691979	-103.6159670
17,696.0	88.62	358.62	10,359.8	7,135.1	346.0	535,263.60	762,573.59	32.4694590	-103.6159698
17,792.0	89.27	357.74	10,361.6	7,231.0	343.0	535,359.53	762,570.54	32.4697227	-103.6159776
17,888.0	90.24	0.20	10,362.0	7,327.0	341.3	535,455.51	762,568.81	32.4699865	-103.6159811
17,983.0	89.85	0.38	10,361.9	7,422.0	341.8	535,550.51	762,569.29	32.4702476	-103.6159775
18,078.0	87.25	1.69	10,364.3	7,516.9	343.5	535,645.45	762,571.01	32.4705086	-103.6159699
18,174.0	88.35	1.17	10,368.0	7,612.8	345.9	535,741.35	762,573.40	32.4707721	-103.6159600
18,269.0	88.75	0.46	10,370.4	7,707.8	347.2	535,836.31	762,574.75	32.4710331	-103.6159535
18,365.0	88.04	359.23	10,373.1	7,803.7	347.0	535,932.27	762,574.49	32.4712968	-103.6159523
18,387.0	87.91	359.06	10,373.9	7,825.7	346.6	535,954.25	762,574.16	32.4713573	-103.6159529
LAST MWD @ 18387'MD									
18,395.0	87.91	359.06	10,374.1	7,833.7	346.5	535,962.25	762,574.03	32.4713792	-103.6159531
516H HARDLINE Exit at 18395.0 MD									
18,441.0	87.91	359.06	10,375.8	7,879.7	345.7	536,008.21	762,573.28	32.4715056	-103.6159546
PTD @ 18441'MD									

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
AD FTP (DS 516H) - survey hits target center - Point	0.00	0.00	10,333.5	102.8	419.8	528,231.38	762,647.30	32.4501289	-103.6158840
AD LTP (DS 516H) - survey hits target center - Point	0.00	0.00	10,374.1	7,833.7	346.5	535,962.25	762,574.03	32.4713792	-103.6159531

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
9,825.0	9,798.8	-454.3	407.8	KOP 9825'MD
10,658.0	10,333.5	102.8	419.8	516H HARDLINE Entry at 10658.0 MD
10,683.0	10,335.8	127.7	419.2	LP/EOC 10683'MD
18,387.0	10,373.9	7,825.7	346.6	LAST MWD @ 18387'MD
18,395.0	10,374.1	7,833.7	346.5	516H HARDLINE Exit at 18395.0 MD
18,441.0	10,375.8	7,879.7	345.7	PTD @ 18441'MD

Checked By: _____ Approved By: _____ Date: _____

Intent ☐ As Drilled ☐

API #		
Operator Name:	Property Name:	Well Number

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

Is this well the defining well for the Horizontal Spacing Unit? ☐

Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

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

Form C-103
Revised July 18, 2013

WELL API NO.
30-025-48899

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
319601

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.)

7. Lease Name or Unit Agreement Name
DAGGER STATE COM

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number
516H

2. Name of Operator
Advance Energy Partners Hat Mesa

9. OGRID Number
372417

3. Address of Operator
11490 Westheimer Rd, Houston, TX 77077

10. Pool name or Wildcat
WC-025 G-06 S213326D;BONE SPRING

4. Well Location
Unit Letter Lot 3 : 2620 feet from the SOUTH line and 800 feet from the WEST Line
Section 30 Township 21S Range 33E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3,817'

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

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

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

10/1/22: Pressure test casing to 9800 psi for 30 minutes.
10/2-16/22: Perforate from 10,694' – 18,340' (2450). Frac with 19,632,000 lbs sand and 536,947 gal fluid.
10/22/22: Drill all plugs out and clean out to a PBTD of 18,350'.
10/23/22: Begin flowback operations
1/9/2023: Run 2-7/8" production tubing and install ESP. EOT @ 9,582'. ESP @ 9,744'

Spud Date: 4/7/2022 Rig Release Date: 5/2/2022

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

SIGNATURE: Eileen M Kosakowski TITLE: Sr. Eng. Tech DATE: 2/9/2023

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. 30-025-48899
2. Type of Lease ☒ STATE ☐ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No. 319601

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: DAGGER STATE COM
6. Well Number: 516H

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:	LOT 3	30	21S	33E		2620	S	800	W	LEA
BH:	LOT 1	19	21S	33E		50	N	1202	W	LEA

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
4/7/2022	4/29/2022	5/2/2022	10/23/2022	3,817’

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
18,441’	18,350’	YES	Gamma

22. Producing Interval(s), of this completion - Top, Bottom, Name
10,694’ – 18,340’ Bone Spring

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13.375”	54.5#	1,598’	17.5”	910	
9.625”	40#	3,774’/5,470’	12.25”	1620	
5.5”	20#	18,426’	8.5”	3620	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8”	9,582’	

26. Perforation record (interval, size, and number)
10,694’ – 18,340’ – 2450 holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,694’ – 18,340’	19,632,000 lbs sand, 536,947 bbls water

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
10/23/22	Flowing	Prod

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
12/25/22	24	128		487	585	1913	1201

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas – MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*
N/A	180		487	585	1913	44.3

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
Sold

30. Test Witnessed By
Amit Kumar

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: 5/2/22

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 Eileen M Kosakowski
Printed Name: Eileen M Kosakowski Title: Sr. Eng. Tech
Date: 2/9/2023
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 7019'MD/7000'TVD	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 8560'MD/8538'TVD	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 9107'MD/9082'TVD	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 10,016'MD/9982'TVD	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	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. 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

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

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 322686
	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 322686

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 322686
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	5/29/2024