

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

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Advance Energy Partners Hat Mesa, LLC 11490 Westheimer RD, Suite 950 Houston, TX		² OGRID Number 372417	
		³ Reason for Filing Code/ Effective Date NW	
⁴ API Number 30-025-49940	⁵ Pool Name WC-025 G-07 S213330F;BONE SPRING		⁶ Pool Code 97927
⁷ Property Code 319601	⁸ Property Name DAGGER STATE COM		⁹ Well Number 304H

II. ¹⁰ Surface Location

Ul or lot no. F	Section 30	Township 21S	Range 33E	Lot Idn	Feet from the 2560	North/South Line NORTH	Feet from the 1947	East/West line WEST	County Lea
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¹¹ Bottom Hole Location

UL or lot no. C	Section 19	Township 21S	Range 33E	Lot Idn	Feet from the 56	North/South line NORTH	Feet from the 2069	East/West line WEST	County 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 5/26/2022	²² Ready Date 10/28/2022	²³ TD 18,220'	²⁴ PBTD 18,140'	²⁵ Perforations 10,376' – 18,130'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17.5"		13.375"		1,544'	1025
12.25"		10.75"		3,740'	655
9.785"		7.625"		5,440'	755
6.75"		5.5"		18,200'	875

V. Well Test Data

³¹ Date New Oil 10/29/22	³² Gas Delivery Date 10/29/22	³³ Test Date 1/4/23	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure N/A	³⁶ Csg. Pressure 185
³⁷ Choke Size 128	³⁸ Oil 337	³⁹ Water 1754	⁴⁰ Gas 408		⁴¹ Test Method F
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Eileen M Kosakowski</i>			OIL CONSERVATION DIVISION		
Printed name: Eileen M Kosakowski			Approved by: <i>PATRICIA MARTINEZ</i>		
Title: Sr. Eng. Tech			Title: <i>PETROLEUM SPECIALIST</i>		
E-mail Address: ekosakowski@advanceenergypartners.com			Approval Date: <i>1/3/2025</i>		
Date: 2/9/2023		Phone: 832-672-4604			

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 30-025-49940	² Pool Code 97927	³ Pool Name WC-025 G-07 S213330F;BONE SPRING
⁴ Property Code 319601	⁵ Property Name DAGGER STATE COM	⁶ Well Number 304H
⁷ OGRID No. 372417	⁸ Operator Name ADVANCE ENERGY PARTNERS, LLC.	⁹ Elevation 3820'

¹⁰Surface Location

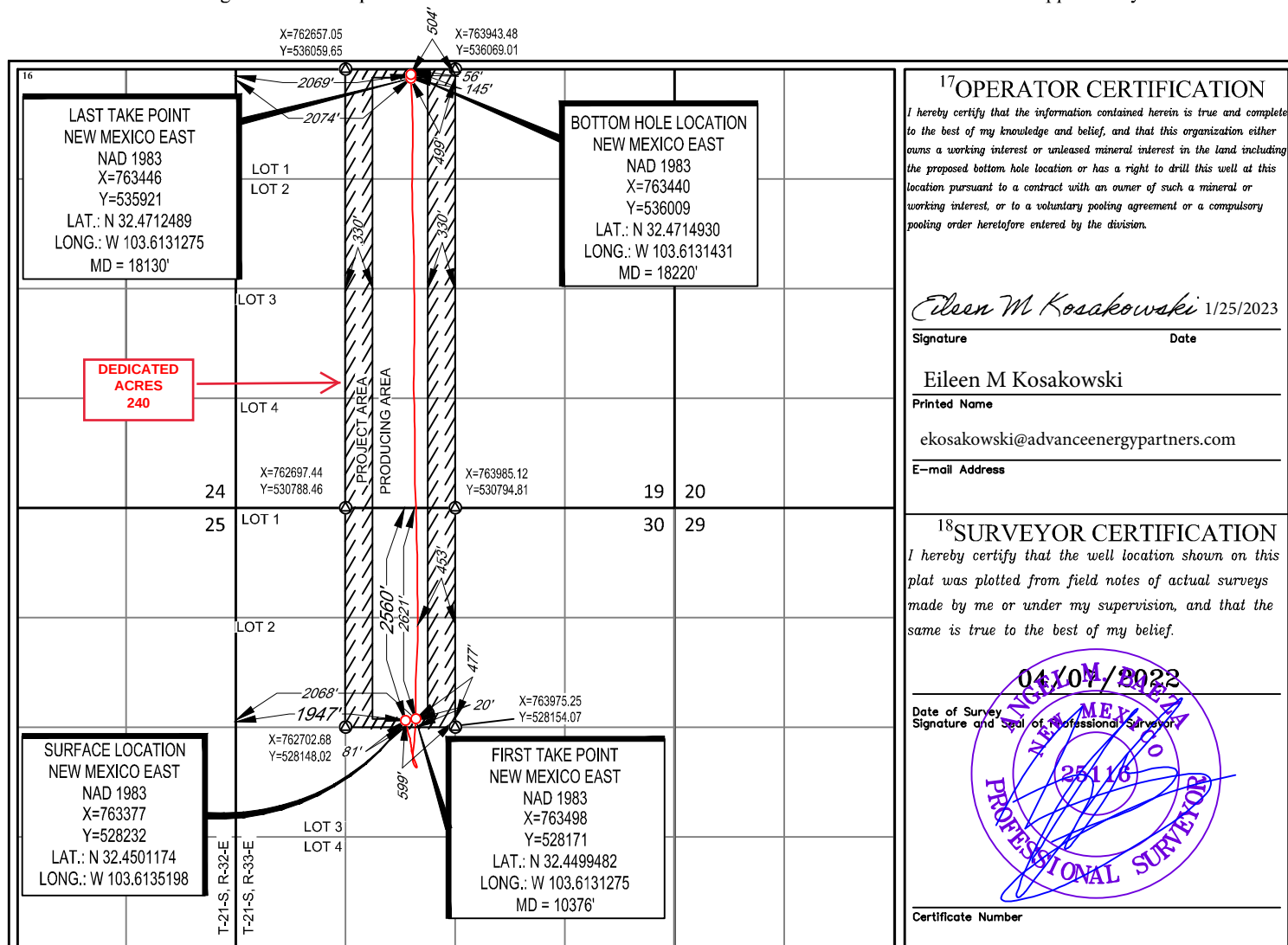
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	30	21-S	33-E	-	2560'	NORTH	1947'1950	WEST	LEA

¹¹Bottom 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
C	19	21-S	33-E	-	56'	NORTH	2069'	WEST	LEA

¹² Dedicated Acres 240	¹³ Joint or Infill	¹⁴ Consolidation Code C	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Advance Energy Partners

Hat Mesa

Dagger State

Dagger State Com 304H

Dagger State Com 304H

Survey: AD

Survey Report - Geographic

30 January, 2023

Survey Report - Geographic

Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Dagger State Com 304H
Project:	Hat Mesa	TVD Reference:	WELL @ 3852.5usft (Original Well Elev)
Site:	Dagger State	MD Reference:	WELL @ 3852.5usft (Original Well Elev)
Well:	Dagger State Com 304H	North Reference:	Grid
Wellbore:	Dagger State Com 304H	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: From:		Northing:	529,194.79 usft	Latitude:	32.4527140
	Lat/Long	Easting:	766,028.88 usft	Longitude:	-103.6049010
	Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:

Well		Dagger State Com 304H,				
Well Position	+N/-S	0.0 usft	Northing:	528,231.59 usft	Latitude:	32.4501160
	+E/-W	0.0 usft	Easting:	763,377.20 usft	Longitude:	-103.6135180
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,820.0 usft

Wellbore	Dagger State Com 304H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/10/2022	6.47	60.20	47,577.36285680

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	359.59	

Survey Program	Date	1/30/2023			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
159.0	18,220.0	AD (Dagger State Com 304H)	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	528,231.59	763,377.20	32.4501160	-103.6135180
159.0	0.66	285.90	159.0	0.3	-0.9	528,231.85	763,376.32	32.4501167	-103.6135208
280.0	0.70	246.00	280.0	0.1	-2.2	528,231.74	763,374.97	32.4501165	-103.6135252
376.0	0.88	237.80	376.0	-0.5	-3.4	528,231.10	763,373.81	32.4501147	-103.6135290
470.0	0.35	182.02	470.0	-1.2	-4.0	528,230.43	763,373.19	32.4501129	-103.6135310
566.0	1.05	172.53	566.0	-2.3	-3.9	528,229.27	763,373.30	32.4501097	-103.6135307
660.0	0.70	166.81	660.0	-3.7	-3.7	528,227.85	763,373.54	32.4501058	-103.6135299
755.0	1.10	108.54	754.9	-4.6	-2.7	528,227.00	763,374.54	32.4501034	-103.6135267
850.0	1.10	112.00	849.9	-5.2	-1.0	528,226.37	763,376.25	32.4501017	-103.6135212
945.0	0.75	92.46	944.9	-5.6	0.5	528,226.00	763,377.71	32.4501006	-103.6135164
1,073.0	0.62	86.66	1,072.9	-5.6	2.0	528,226.00	763,379.24	32.4501006	-103.6135115
1,168.0	0.40	94.83	1,167.9	-5.6	2.9	528,226.01	763,380.09	32.4501006	-103.6135088

Survey Report - Geographic

Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Dagger State Com 304H
Project:	Hat Mesa	TVD Reference:	WELL @ 3852.5usft (Original Well Elev)
Site:	Dagger State	MD Reference:	WELL @ 3852.5usft (Original Well Elev)
Well:	Dagger State Com 304H	North Reference:	Grid
Wellbore:	Dagger State Com 304H	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
1,263.0	0.26	356.83	1,262.9	-5.4	3.2	528,226.19	763,380.40	32.4501011	-103.6135077
1,357.0	0.31	74.35	1,356.9	-5.1	3.4	528,226.47	763,380.64	32.4501019	-103.6135070
1,452.0	0.10	22.32	1,451.9	-5.0	3.7	528,226.62	763,380.92	32.4501023	-103.6135061
1,514.0	0.14	288.72	1,513.9	-4.9	3.7	528,226.70	763,380.87	32.4501025	-103.6135062
1,625.0	0.31	59.26	1,624.9	-4.7	3.8	528,226.89	763,381.00	32.4501030	-103.6135058
1,720.0	0.48	166.31	1,719.9	-5.0	4.1	528,226.64	763,381.31	32.4501023	-103.6135048
1,815.0	1.14	174.75	1,814.9	-6.3	4.3	528,225.31	763,381.49	32.4500987	-103.6135042
1,908.0	0.97	153.75	1,907.9	-7.9	4.7	528,223.68	763,381.92	32.4500942	-103.6135029
2,003.0	1.27	194.88	2,002.9	-9.7	4.8	528,221.94	763,382.01	32.4500894	-103.6135026
2,098.0	2.15	207.36	2,097.8	-12.3	3.7	528,219.34	763,380.92	32.4500823	-103.6135062
2,192.0	2.11	192.86	2,191.7	-15.5	2.5	528,216.09	763,379.72	32.4500734	-103.6135101
2,287.0	1.89	198.83	2,286.7	-18.7	1.6	528,212.90	763,378.83	32.4500646	-103.6135131
2,382.0	1.85	183.54	2,381.6	-21.7	1.0	528,209.89	763,378.23	32.4500563	-103.6135151
2,476.0	1.41	192.15	2,475.6	-24.4	0.7	528,207.24	763,377.89	32.4500491	-103.6135163
2,571.0	1.05	189.34	2,570.6	-26.4	0.3	528,205.24	763,377.50	32.4500436	-103.6135176
2,665.0	0.92	153.39	2,664.6	-27.9	0.5	528,203.72	763,377.70	32.4500394	-103.6135170
2,760.0	1.19	152.78	2,759.6	-29.4	1.3	528,202.16	763,378.50	32.4500351	-103.6135144
2,854.0	1.89	152.34	2,853.5	-31.7	2.5	528,199.92	763,379.66	32.4500289	-103.6135107
2,948.0	3.38	156.21	2,947.4	-35.6	4.3	528,196.01	763,381.50	32.4500181	-103.6135048
3,042.0	4.84	161.30	3,041.2	-41.9	6.7	528,189.72	763,383.89	32.4500008	-103.6134972
3,137.0	5.81	165.99	3,135.8	-50.3	9.1	528,181.26	763,386.34	32.4499775	-103.6134895
3,232.0	5.54	153.75	3,230.3	-59.1	12.3	528,172.48	763,389.53	32.4499533	-103.6134793
3,326.0	5.54	154.54	3,323.9	-67.3	16.3	528,164.31	763,393.49	32.4499308	-103.6134667
3,420.0	5.54	164.91	3,417.4	-75.8	19.4	528,155.83	763,396.62	32.4499074	-103.6134567
3,465.0	5.70	167.14	3,462.2	-80.0	20.5	528,151.56	763,397.68	32.4498956	-103.6134533
DS 304H HARDLINES Exit at 3465.0 MD									
3,515.0	5.89	169.48	3,512.0	-85.0	21.5	528,146.61	763,398.70	32.4498820	-103.6134501
3,610.0	5.23	170.53	3,606.5	-94.0	23.1	528,137.55	763,400.31	32.4498571	-103.6134451
3,684.0	5.01	170.80	3,680.2	-100.6	24.2	528,131.03	763,401.38	32.4498392	-103.6134418
3,799.0	4.62	169.39	3,794.8	-110.1	25.8	528,121.52	763,403.03	32.4498130	-103.6134367
3,899.0	4.09	168.42	3,894.5	-117.5	27.3	528,114.07	763,404.49	32.4497925	-103.6134321
4,083.0	3.65	168.69	4,078.1	-129.7	29.8	528,101.90	763,406.96	32.4497590	-103.6134244
4,272.0	5.71	163.68	4,266.5	-144.6	33.6	528,086.98	763,410.78	32.4497179	-103.6134123
4,461.0	5.27	155.68	4,454.6	-161.6	39.8	528,070.04	763,417.00	32.4496712	-103.6133925
4,555.0	6.29	160.69	4,548.1	-170.3	43.3	528,061.25	763,420.48	32.4496470	-103.6133814
4,650.0	6.77	159.99	4,642.5	-180.5	46.9	528,051.08	763,424.11	32.4496190	-103.6133699
4,744.0	6.77	158.05	4,735.8	-190.9	50.9	528,040.73	763,428.08	32.4495905	-103.6133572
4,839.0	7.25	163.15	4,830.1	-201.8	54.7	528,029.80	763,431.91	32.4495604	-103.6133451
4,933.0	7.65	168.60	4,923.3	-213.6	57.7	528,017.99	763,434.87	32.4495278	-103.6133357
5,027.0	6.55	175.19	5,016.6	-225.1	59.4	528,006.51	763,436.55	32.4494963	-103.6133305
5,122.0	5.19	175.46	5,111.1	-234.8	60.1	527,996.83	763,437.35	32.4494696	-103.6133281
5,217.0	4.92	176.25	5,205.7	-243.1	60.8	527,988.48	763,437.95	32.4494467	-103.6133264
5,312.0	5.01	172.73	5,300.4	-251.3	61.5	527,980.30	763,438.75	32.4494242	-103.6133240
5,388.0	4.79	169.57	5,376.1	-257.7	62.5	527,973.89	763,439.74	32.4494065	-103.6133209
5,522.0	4.97	171.94	5,509.6	-269.0	64.4	527,962.64	763,441.57	32.4493756	-103.6133152
5,617.0	4.84	168.51	5,604.3	-277.0	65.7	527,954.64	763,442.94	32.4493536	-103.6133109
5,712.0	4.35	165.52	5,699.0	-284.4	67.4	527,947.22	763,444.64	32.4493331	-103.6133056
5,806.0	3.91	165.00	5,792.7	-290.9	69.2	527,940.68	763,446.36	32.4493151	-103.6133002
5,901.0	4.53	171.94	5,887.5	-297.8	70.5	527,933.83	763,447.73	32.4492963	-103.6132959
5,995.0	4.92	175.54	5,981.2	-305.5	71.4	527,926.14	763,448.56	32.4492751	-103.6132933
6,090.0	4.92	175.02	6,075.8	-313.6	72.0	527,918.02	763,449.23	32.4492528	-103.6132914
6,184.0	4.70	173.52	6,169.5	-321.4	72.8	527,910.18	763,450.01	32.4492312	-103.6132890
6,278.0	4.70	175.81	6,263.2	-329.1	73.5	527,902.51	763,450.73	32.4492101	-103.6132868
6,372.0	4.75	175.89	6,356.8	-336.8	74.1	527,894.79	763,451.29	32.4491889	-103.6132852
6,465.0	4.66	176.51	6,449.5	-344.4	74.6	527,887.17	763,451.80	32.4491680	-103.6132837

Survey Report - Geographic

Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Dagger State Com 304H
Project:	Hat Mesa	TVD Reference:	WELL @ 3852.5usft (Original Well Elev)
Site:	Dagger State	MD Reference:	WELL @ 3852.5usft (Original Well Elev)
Well:	Dagger State Com 304H	North Reference:	Grid
Wellbore:	Dagger State Com 304H	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
6,560.0	4.48	176.51	6,544.2	-352.0	75.1	527,879.62	763,452.26	32.4491472	-103.6132824
6,654.0	4.22	175.19	6,637.9	-359.1	75.6	527,872.51	763,452.77	32.4491276	-103.6132809
6,749.0	4.97	164.91	6,732.6	-366.5	76.9	527,865.05	763,454.14	32.4491071	-103.6132766
6,844.0	4.97	162.45	6,827.3	-374.4	79.2	527,857.15	763,456.45	32.4490854	-103.6132693
6,938.0	4.70	162.10	6,921.0	-382.0	81.7	527,849.61	763,458.86	32.4490646	-103.6132616
7,033.0	4.40	159.63	7,015.7	-389.1	84.1	527,842.49	763,461.32	32.4490450	-103.6132538
7,128.0	5.63	164.82	7,110.3	-397.0	86.6	527,834.57	763,463.81	32.4490232	-103.6132459
7,222.0	6.20	167.81	7,203.8	-406.4	88.9	527,825.16	763,466.09	32.4489973	-103.6132387
7,316.0	5.41	163.59	7,297.3	-415.6	91.2	527,815.95	763,468.42	32.4489719	-103.6132314
7,411.0	4.53	158.76	7,391.9	-423.4	93.8	527,808.16	763,471.04	32.4489504	-103.6132231
7,505.0	5.89	163.77	7,485.6	-431.5	96.5	527,800.07	763,473.73	32.4489281	-103.6132145
7,600.0	5.58	164.91	7,580.1	-440.7	99.1	527,790.93	763,476.30	32.4489030	-103.6132064
7,694.0	4.79	163.06	7,673.7	-448.8	101.4	527,782.76	763,478.63	32.4488805	-103.6131990
7,789.0	5.27	161.92	7,768.3	-456.8	103.9	527,774.82	763,481.14	32.4488586	-103.6131910
7,884.0	5.19	160.69	7,862.9	-465.0	106.7	527,766.61	763,483.92	32.4488360	-103.6131822
7,978.0	4.48	159.28	7,956.6	-472.4	109.4	527,759.17	763,486.62	32.4488155	-103.6131736
8,073.0	4.22	155.59	8,051.3	-479.1	112.2	527,752.51	763,489.38	32.4487971	-103.6131648
8,167.0	3.65	151.99	8,145.1	-484.9	115.0	527,746.72	763,492.21	32.4487812	-103.6131558
8,262.0	4.97	155.15	8,239.8	-491.3	118.2	527,740.32	763,495.36	32.4487635	-103.6131457
8,356.0	5.49	155.06	8,333.4	-499.0	121.8	527,732.55	763,498.97	32.4487421	-103.6131342
8,451.0	5.14	159.11	8,428.0	-507.1	125.2	527,724.45	763,502.40	32.4487198	-103.6131232
8,545.0	5.58	159.20	8,521.6	-515.3	128.3	527,716.24	763,505.53	32.4486972	-103.6131133
8,640.0	4.70	158.67	8,616.2	-523.3	131.4	527,708.30	763,508.58	32.4486753	-103.6131035
8,735.0	4.70	161.92	8,710.9	-530.6	134.0	527,700.98	763,511.21	32.4486551	-103.6130952
8,830.0	4.35	167.37	8,805.6	-537.8	136.0	527,693.76	763,513.20	32.4486352	-103.6130889
8,924.0	4.31	165.61	8,899.4	-544.7	137.7	527,686.86	763,514.86	32.4486162	-103.6130837
9,019.0	3.56	180.82	8,994.1	-551.1	138.5	527,680.45	763,515.70	32.4485986	-103.6130811
9,113.0	2.37	181.52	9,088.0	-556.0	138.4	527,675.59	763,515.61	32.4485852	-103.6130815
9,208.0	1.54	161.22	9,183.0	-559.2	138.8	527,672.42	763,515.97	32.4485765	-103.6130804
9,302.0	0.92	166.49	9,276.9	-561.1	139.4	527,670.49	763,516.55	32.4485712	-103.6130785
9,395.0	1.67	263.70	9,369.9	-562.0	138.2	527,669.62	763,515.38	32.4485688	-103.6130824
9,489.0	3.08	265.54	9,463.8	-562.3	134.3	527,669.27	763,511.50	32.4485679	-103.6130949
9,540.0	3.52	289.68	9,514.7	-561.9	131.5	527,669.69	763,508.66	32.4485691	-103.6131041
KOP 9540'MD / 9514.7'TVD									
9,583.0	4.26	304.13	9,557.6	-560.6	128.9	527,671.03	763,506.09	32.4485729	-103.6131124
9,632.0	10.29	319.86	9,606.2	-556.2	124.6	527,675.40	763,501.76	32.4485850	-103.6131264
9,678.0	12.04	319.86	9,651.4	-549.4	118.8	527,682.21	763,496.02	32.4486038	-103.6131448
9,730.0	18.99	329.79	9,701.4	-537.9	111.1	527,693.69	763,488.25	32.4486355	-103.6131698
9,772.0	24.26	335.33	9,740.5	-524.2	104.0	527,707.44	763,481.21	32.4486734	-103.6131923
9,820.0	30.37	340.34	9,783.1	-503.7	95.8	527,727.85	763,473.00	32.4487297	-103.6132185
9,866.0	34.29	350.09	9,822.0	-480.0	89.7	527,751.59	763,466.85	32.4487950	-103.6132379
9,961.0	39.69	5.74	9,898.0	-423.3	88.1	527,808.31	763,465.28	32.4489509	-103.6132417
10,015.0	44.53	6.79	9,938.1	-387.3	92.0	527,844.29	763,469.24	32.4490498	-103.6132281
10,055.0	48.22	5.21	9,965.7	-358.5	95.1	527,873.08	763,472.26	32.4491288	-103.6132177
10,102.0	55.38	5.83	9,994.7	-321.8	98.6	527,909.82	763,475.82	32.4492298	-103.6132053
10,150.0	64.44	5.83	10,018.8	-280.5	102.8	527,951.09	763,480.03	32.4493431	-103.6131908
10,198.0	72.00	5.56	10,036.6	-236.2	107.2	527,995.41	763,484.45	32.4494649	-103.6131755
10,245.0	77.14	6.44	10,049.1	-191.1	112.0	528,040.45	763,489.19	32.4495886	-103.6131592
10,339.0	88.75	3.37	10,060.6	-98.4	119.9	528,133.23	763,497.12	32.4498434	-103.6131314
LP @ 10339'MD									
10,358.0	88.55	2.77	10,061.0	-79.4	120.9	528,152.20	763,498.13	32.4498956	-103.6131277
DS 304H HARDLINES Entry at 10358.0 MD									
10,433.0	87.78	0.38	10,063.4	-4.5	123.0	528,227.13	763,500.19	32.4501015	-103.6131194
10,455.0	87.82	0.46	10,064.3	17.5	123.2	528,249.11	763,500.35	32.4501619	-103.6131184
10,550.0	89.71	359.85	10,066.3	112.5	123.4	528,344.08	763,500.61	32.4504229	-103.6131155

Survey Report - Geographic

Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Dagger State Com 304H
Project:	Hat Mesa	TVD Reference:	WELL @ 3852.5usft (Original Well Elev)
Site:	Dagger State	MD Reference:	WELL @ 3852.5usft (Original Well Elev)
Well:	Dagger State Com 304H	North Reference:	Grid
Wellbore:	Dagger State Com 304H	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
10,644.0	92.70	0.38	10,064.3	206.5	123.6	528,438.05	763,500.80	32.4506812	-103.6131128
10,739.0	94.02	0.29	10,058.8	301.3	124.2	528,532.88	763,501.35	32.4509418	-103.6131090
10,834.0	95.87	0.29	10,050.6	395.9	124.6	528,627.52	763,501.83	32.4512020	-103.6131053
10,928.0	94.15	1.52	10,042.4	489.6	126.1	528,721.15	763,503.31	32.4514593	-103.6130985
11,022.0	91.34	3.54	10,037.9	583.3	130.3	528,814.93	763,507.46	32.4517170	-103.6130830
11,117.0	90.68	4.42	10,036.2	678.1	136.8	528,909.69	763,514.05	32.4519773	-103.6130595
11,211.0	89.14	1.78	10,036.3	771.9	141.9	529,003.54	763,519.13	32.4522352	-103.6130410
11,306.0	89.23	2.13	10,037.7	866.9	145.2	529,098.48	763,522.37	32.4524960	-103.6130284
11,400.0	89.63	0.82	10,038.6	960.8	147.6	529,192.44	763,524.79	32.4527542	-103.6130185
11,495.0	90.46	0.73	10,038.6	1,055.8	148.9	529,287.43	763,526.08	32.4530153	-103.6130123
11,589.0	90.51	0.73	10,037.8	1,149.8	150.1	529,381.42	763,527.28	32.4532736	-103.6130064
11,684.0	89.89	359.50	10,037.4	1,244.8	150.3	529,476.41	763,527.47	32.4535347	-103.6130037
11,778.0	91.16	0.29	10,036.6	1,338.8	150.1	529,570.41	763,527.29	32.4537931	-103.6130022
11,873.0	90.46	358.36	10,035.2	1,433.8	149.0	529,665.39	763,526.17	32.4540542	-103.6130037
11,967.0	89.54	358.18	10,035.2	1,527.7	146.1	529,759.34	763,523.34	32.4543125	-103.6130109
12,062.0	90.64	359.59	10,035.1	1,622.7	144.3	529,854.32	763,521.49	32.4545736	-103.6130148
12,156.0	90.37	359.67	10,034.3	1,716.7	143.7	529,948.31	763,520.88	32.4548319	-103.6130147
12,250.0	90.55	359.85	10,033.5	1,810.7	143.3	530,042.31	763,520.49	32.4550903	-103.6130139
12,345.0	88.84	0.29	10,034.0	1,905.7	143.4	530,137.31	763,520.60	32.4553514	-103.6130115
12,440.0	88.97	359.15	10,035.8	2,000.7	142.9	530,232.29	763,520.14	32.4556124	-103.6130109
12,501.0	88.88	358.53	10,037.0	2,061.7	141.7	530,293.26	763,518.90	32.4557801	-103.6130136
12,535.0	88.53	358.18	10,037.7	2,095.6	140.7	530,327.24	763,517.93	32.4558735	-103.6130160
12,628.0	89.19	356.77	10,039.6	2,188.5	136.6	530,420.13	763,513.83	32.4561289	-103.6130272
12,722.0	91.69	0.03	10,038.9	2,282.5	134.0	530,514.07	763,511.21	32.4563871	-103.6130337
12,817.0	90.73	359.32	10,036.9	2,377.4	133.5	530,609.04	763,510.67	32.4566482	-103.6130333
12,912.0	89.01	358.36	10,037.1	2,472.4	131.5	530,704.02	763,508.75	32.4569093	-103.6130375
13,007.0	89.36	357.83	10,038.4	2,567.4	128.4	530,798.96	763,505.59	32.4571703	-103.6130457
13,101.0	90.55	357.48	10,038.5	2,661.3	124.5	530,892.88	763,501.74	32.4574285	-103.6130561
13,196.0	91.69	357.04	10,036.6	2,756.2	120.0	530,987.75	763,497.20	32.4576893	-103.6130687
13,290.0	91.03	358.27	10,034.4	2,850.0	116.2	531,081.64	763,493.36	32.4579475	-103.6130791
13,385.0	90.95	359.67	10,032.8	2,945.0	114.4	531,176.61	763,491.65	32.4582085	-103.6130826
13,479.0	89.05	359.85	10,032.8	3,039.0	114.1	531,270.60	763,491.26	32.4584669	-103.6130818
13,574.0	89.85	0.03	10,033.7	3,134.0	114.0	531,365.60	763,491.16	32.4587280	-103.6130801
13,668.0	89.45	0.03	10,034.3	3,228.0	114.0	531,459.60	763,491.21	32.4589864	-103.6130778
13,763.0	89.10	0.11	10,035.5	3,323.0	114.1	531,554.59	763,491.32	32.4592474	-103.6130754
13,857.0	88.88	359.23	10,037.1	3,417.0	113.6	531,648.57	763,490.78	32.4595058	-103.6130751
13,951.0	88.75	359.32	10,039.1	3,510.9	112.4	531,742.54	763,489.59	32.4597641	-103.6130769
14,046.0	89.67	359.15	10,040.4	3,605.9	111.1	531,837.52	763,488.32	32.4600252	-103.6130789
14,140.0	89.14	359.06	10,041.3	3,699.9	109.7	531,931.51	763,486.86	32.4602835	-103.6130816
14,235.0	90.73	358.27	10,041.4	3,794.9	107.4	532,026.48	763,484.64	32.4605446	-103.6130867
14,329.0	91.69	357.92	10,039.5	3,888.8	104.3	532,120.40	763,481.52	32.4608028	-103.6130948
14,423.0	91.43	359.06	10,036.9	3,982.7	101.8	532,214.33	763,479.04	32.4610610	-103.6131008
14,517.0	90.95	0.03	10,035.0	4,076.7	101.1	532,308.31	763,478.30	32.4613194	-103.6131011
14,612.0	88.48	1.17	10,035.4	4,171.7	102.1	532,403.29	763,479.29	32.4615804	-103.6130958
14,706.0	88.00	0.90	10,038.3	4,265.6	103.8	532,497.23	763,480.99	32.4618386	-103.6130883
14,800.0	88.31	0.82	10,041.3	4,359.6	105.2	532,591.18	763,482.40	32.4620968	-103.6130816
14,895.0	87.03	1.08	10,045.2	4,454.5	106.8	532,686.08	763,483.97	32.4623576	-103.6130745
14,990.0	87.52	0.90	10,049.7	4,549.4	108.4	532,780.96	763,485.61	32.4626183	-103.6130671
15,085.0	88.09	0.55	10,053.4	4,644.3	109.6	532,875.88	763,486.81	32.4628792	-103.6130611
15,179.0	89.27	0.29	10,055.5	4,738.3	110.3	532,969.85	763,487.50	32.4631375	-103.6130568
15,274.0	90.33	0.29	10,055.9	4,833.3	110.8	533,064.85	763,487.98	32.4633986	-103.6130532
15,370.0	90.73	359.67	10,055.0	4,929.3	110.7	533,160.84	763,487.95	32.4636624	-103.6130512
15,464.0	90.64	359.23	10,053.8	5,023.2	109.8	533,254.83	763,487.05	32.4639208	-103.6130521
15,557.0	91.08	358.53	10,052.4	5,116.2	108.0	533,347.80	763,485.23	32.4641764	-103.6130559
15,652.0	90.51	359.15	10,051.1	5,211.2	106.1	533,442.78	763,483.31	32.4644374	-103.6130601

Survey Report - Geographic

Company:	Advance Energy Partners	Local Co-ordinate Reference:	Well Dagger State Com 304H
Project:	Hat Mesa	TVD Reference:	WELL @ 3852.5usft (Original Well Elev)
Site:	Dagger State	MD Reference:	WELL @ 3852.5usft (Original Well Elev)
Well:	Dagger State Com 304H	North Reference:	Grid
Wellbore:	Dagger State Com 304H	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
15,747.0	89.49	359.67	10,051.1	5,306.2	105.1	533,537.77	763,482.33	32.4646986	-103.6130612
15,841.0	88.70	0.03	10,052.6	5,400.2	104.9	533,631.76	763,482.08	32.4649569	-103.6130599
15,936.0	88.53	359.67	10,054.9	5,495.1	104.6	533,726.73	763,481.83	32.4652179	-103.6130586
16,030.0	89.27	358.97	10,056.7	5,589.1	103.5	533,820.70	763,480.72	32.4654763	-103.6130602
16,125.0	88.62	358.71	10,058.5	5,684.1	101.6	533,915.67	763,478.79	32.4657373	-103.6130643
16,220.0	89.10	358.36	10,060.3	5,779.0	99.2	534,010.62	763,476.37	32.4659983	-103.6130701
16,314.0	88.09	358.18	10,062.7	5,872.9	96.3	534,104.54	763,473.53	32.4662565	-103.6130773
16,409.0	88.66	357.74	10,065.3	5,967.8	92.9	534,199.44	763,470.15	32.4665175	-103.6130862
16,503.0	89.49	357.30	10,066.9	6,061.7	88.9	534,293.34	763,466.08	32.4667756	-103.6130973
16,597.0	90.24	358.53	10,067.1	6,155.7	85.5	534,387.28	763,462.66	32.4670339	-103.6131063
16,692.0	90.64	359.06	10,066.4	6,250.7	83.5	534,482.25	763,460.66	32.4672950	-103.6131107
16,786.0	90.86	359.32	10,065.1	6,344.6	82.1	534,576.24	763,459.33	32.4675533	-103.6131130
16,881.0	90.33	0.38	10,064.1	6,439.6	81.9	534,671.23	763,459.09	32.4678144	-103.6131117
16,976.0	89.93	0.82	10,063.9	6,534.6	82.9	534,766.22	763,460.08	32.4680755	-103.6131064
17,070.0	89.80	0.73	10,064.1	6,628.6	84.2	534,860.21	763,461.35	32.4683338	-103.6131002
17,164.0	88.84	0.64	10,065.3	6,722.6	85.3	534,954.20	763,462.48	32.4685921	-103.6130945
17,258.0	88.75	0.64	10,067.2	6,816.6	86.3	535,048.17	763,463.53	32.4688504	-103.6130891
17,352.0	89.36	0.55	10,068.8	6,910.6	87.3	535,142.15	763,464.50	32.4691087	-103.6130838
17,447.0	89.23	0.29	10,070.0	7,005.6	88.0	535,237.14	763,465.20	32.4693697	-103.6130795
17,541.0	90.07	0.20	10,070.5	7,099.5	88.4	535,331.14	763,465.60	32.4696281	-103.6130762
17,636.0	90.95	359.41	10,069.7	7,194.5	88.1	535,426.14	763,465.28	32.4698892	-103.6130751
17,731.0	91.34	358.71	10,067.8	7,289.5	86.5	535,521.10	763,463.72	32.4701503	-103.6130781
17,825.0	91.38	358.00	10,065.6	7,383.4	83.8	535,615.04	763,461.02	32.4704085	-103.6130848
17,920.0	92.13	357.56	10,062.6	7,478.3	80.1	535,709.92	763,457.34	32.4706694	-103.6130946
18,014.0	92.92	357.04	10,058.5	7,572.1	75.7	535,803.72	763,452.92	32.4709273	-103.6131069
18,109.0	93.58	356.60	10,053.1	7,666.8	70.5	535,898.42	763,447.66	32.4711877	-103.6131219
18,152.0	93.85	356.51	10,050.3	7,709.7	67.9	535,941.26	763,445.08	32.4713054	-103.6131293
LAST MWD @ 18152'MD									
18,181.0	93.85	356.51	10,048.4	7,738.5	66.1	535,970.14	763,443.32	32.4713848	-103.6131344
DS 304H HARDLINES Exit at 18181.0 MD									
18,220.0	93.85	356.51	10,045.8	7,777.4	63.7	536,008.98	763,440.95	32.4714916	-103.6131412
PTD @ 18220'MD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,465.0	3,462.2	-80.0	20.5	DS 304H HARDLINES Exit at 3465.0 MD
9,540.0	9,514.7	-561.9	131.5	KOP 9540'MD / 9514.7'TVD
10,339.0	10,060.6	-98.4	119.9	LP @ 10339'MD
10,358.0	10,061.0	-79.4	120.9	DS 304H HARDLINES Entry at 10358.0 MD
18,152.0	10,050.3	7,709.7	67.9	LAST MWD @ 18152'MD
18,181.0	10,048.4	7,738.5	66.1	DS 304H HARDLINES Exit at 18181.0 MD
18,220.0	10,045.8	7,777.4	63.7	PTD @ 18220'MD

Checked By: _____ Approved By: _____ Date: _____

Advance Energy Partners / Dagger State Com 304H - Dagger State Com 304H / 30-025-49940 / Nabor X49

Report Date: 06/08/2022
 Start Date: 06/08/2022
 Daily Cost: 0.00
 Well Cost: 0.00

Current Depth: 0.00
 Casing Depth: 0.00
 Distance to TD: 18,178.16
 Average ROP: 0.00

Drilling Hours: 0.00
 24Hr Forecast:
 Current BHA:
 Current BRT Hrs: 0.00
 Bit Make / Model:
 POOH in last 24Hrs: No
 Rig Down Time: No
 Mud Type:

Svy MD: 18,152.00
 Svy Inc: 93.85
 Svy Azi: 356.51
 Svy TVD: 10,050.50
 Svy NS: 7,709.66
 Svy EW: 67.88
 Svy Hi/Lo: 21.23
 Svy Left/Right: -16.17

Directional Driller Day:
 Directional Driller Night:
 RSS Engineer 1:
 RSS Engineer 2:

MWD Day:
 MWD Night:
 Third Man:
 Fourth Man:

Principal Plan: Dagger State Com 304H - PLAN2 - Dagger State Com 304H-
 24Hr Summary:

Max BHT Well: 0.00
 Max BHT 24Hrs: 0.00

Comments

Motors On Location

SN	Description	Make	Comments	Status
XSH57092	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Intrepid		Dirty
XSH57087	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Intrepid		Dirty
XSS50061	5" 6/7 8.8 FBH @ 2.12deg W 6 1/4" NBS	Intrepid		Clean
XSS50052	5" 6/7 8.8 2.12deg FXD w/ 6 1/4NBS	INTREPID		Clean
XSS50054	5" 6/7 8.8 2.12deg FXD TS			Dirty
ESS50002	5" MOTOR 7/8 5.0 FBH@2.38 W/TS	Intrepid		Dirty
XSH57087	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Intrepid		Dirty
XSH57077	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Intrepid		In Hole

MWD On Location

SN	Description	Make	Comments	Status
BT-500566	NON MAG UBHO	Intrepid		In Hole
BT-500571	NON MAG UBHO	Intrepid		Clean

				Job #		30-025-49940		Operator:		Advance Energy Partners			
				API Job #		30-025-49940		Field:		Hat Mesa			
				Rig:		Nabor X49		Well:		Dagger State Com 304H			
				County:		Lea		State:		New Mexico			
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W			
Total Drilled (Usft):				16666		Total Days:		22					
BHA Summary													
BHA #	Bit #	Hole Size (in)	Start (Usft)	End (Usft)	Drilled (Usft)	Avg ROP (Usft/hr)		Slide %	Drig Hrs	Circ Hrs	BRT Hrs	Failed	
1	1	12.25	1554	3750	2196	135.14		7.6	16.25	2.33	60.5		
2	2	9.875	3750	5450	1700	139.73		5.41	12.17	6.83	66.75		
3	3	6.75	5450	7193	1743	131.55		3.16	13.25	1.33	51.5	YES	
4	4	6.75	7193	7259	2256	124.76		2.84	18.08	1	52.67		
5	5	6.75	9449	9449	629	34.31		85.53	18.33	0.75	-1.33		
6	7	6.75	10078	10486	408	60.44		59.07	6.75	0.25	22.08		
7	7	6.75	10486	16568	6082	69.71		14.96	87.25	2.33	107.25		
8	8	6.75	16568	18220	1652	69.56		7.93	23.75	6.75	55.67		
Bit Run Record													
Bit #	Make		Model		Size (in)	Grade In		Grade Out		TFA	Drilled	Drig Hrs	ROP
1	Ultrerra		WAV616		12.25	New		1-3-BT-G-X-I-CT-TD		1.167	2196	16.25	135.14
2	Varel		Vion-616		9.875	New		1-1-NO-A-X-I-NO-TD		1.052	1700	12.16667	139.73
3	Baker Hughes		DD406VTWS		6.75	New				1.035	1743	13.25	131.55
4	Ultrerra		RPS613		6.75	New		1-5-BT-S-X-I-WT-PR		1.035	2256	18.08333	124.76
5	Varel		EVOS-611		6.75	New		1-1-FC-A-X-I-NO-BHA		0.991	629	18.33333	34.31
7	Ultrerra		U611S		6.75	New		1-1-FC-A-X-I-NO-BHA		1.035	408	6.75	60.44
7	Baker Hughes		DD406VTWS		6.75	New		1-4-BT-S-X-I-LT-BHA		1.077	6082	87.25	69.71
8	Baker Hughes		DD406VTW		6.75	New		1-2-CT-G-X-I-NO-TD		0.92	1652	23.75	69.56
Motor Record													
BHA #	Make		Model		Lobes	Stages	OD (in)	Bend	Bit to Bend	Drilled (Usft)	ROP (Usft/hr)		
1	Intrepid		Interceptor		7/8	5.9	8	1.75	5.99	2196	135.14		
2					7/8	5.9	8	1.75	5.99	1700	139.73		
3	Intrepid		Interceptor		9/10	11.0	5.75	1.5	4.6	1743	131.55		
4	Intrepid		Interceptor		9/10	11.0	5.75	1.5	4.6	2256	124.76		
5	Intrepid		Interceptor		6/7	8.8	5	2.12	4	629	34.31		
6	Intrepid		Interceptor		7/8	5.0	5	2.38	3.6	408	60.44		
7	Intrepid				9/10	11.0	5.75	1.5	4	6082	69.71		
8	Intrepid				9/10	11.0	5.75	1.5	4	1652	69.56		
Phase Summary													
Phase			Total Days / Phase Days		Drilled (Usft)		Avg ROP (Usft/hr)		NPT(Rig/Dir)		# BHA's	Drig Hrs	
INTERMEDIATE 1: 2			5.58 / 3.16		3372		134.56		0.42 / 0.00		2	25.06	
INTERMEDIATE 2: 3			3.42 / 3.00		548		77.4		3.00 / 0.00		2	7.08	
INTERMEDIATE 3: 4			3.00 / 1.91		3975		144.13		2.67 / 1.25		3	27.58	
CURVE: 5			2.33 / 2.05		1037		41.33		4.84 / 0.67		2	25.09	
LATERAL: 6			6.90 / 5.73		7734		69.7		2.42 / 0.00		2	110.96	
Total			21.22		16666		85.13		13.35 / 1.92		8	195.77	
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
INTERMEDIATE 1: 2-BHA 1			1554.00	3750.00	166.86	2029.00	40.93	167.00	7.60	2196.00	135.22	16.24	4.08
INTERMEDIATE 1: 2-BHA 2			3750.00	4926.00	153.21	1123.00	35.57	53.00	4.51	1176.00	133.33	8.82	1.49
INTERMEDIATE 2: 3-BHA 2			3750.00	5450.00	208.15	485.00	39.00	39.00	7.44	524.00	157.36	3.33	1.00
INTERMEDIATE 2: 3-BHA 3			5450.00	5474.00	6.40	24.00	0.00	0.00	0.00	24.00	6.40	3.75	0.00
INTERMEDIATE 3: 4-BHA 3			5474.00	7193.00	204.17	1664.00	41.04	55.00	3.20	1719.00	181.14	9.49	1.34
INTERMEDIATE 3: 4-BHA 4			7193.00	9449.00	140.60	2192.00	25.60	64.00	2.84	2256.00	124.71	18.09	2.50
INTERMEDIATE 3: 4-BHA 5			9449.00	9449.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CURVE: 5-BHA 5			9449.00	10078.00	91.00	91.00	31.04	538.00	85.53	629.00	34.32	18.33	17.33
CURVE: 5-BHA 6			10078.00	10486.00	83.50	167.00	50.63	241.00	59.07	408.00	60.36	6.76	4.76
LATERAL: 6-BHA 7			10486.00	16568.00	80.85	5172.00	39.14	910.00	14.96	6082.00	69.73	87.22	23.25
LATERAL: 6-BHA 8			16568.00	18220.00	77.33	1521.00	32.19	131.00	7.93	1652.00	69.59	23.74	4.07
Well Seeker PRO 2.0.8.18 - Ameredev													

Well Data		Drilling Data	
Job Number	30-025-49940	Total Drilled(Usft)	16666.00
Operator	Advance Energy Partners	Drilling Hours	195.83
Well Name	Dagger State Com 304H - Dagger State Com 304H	Avg ROP(Usft/hr)	85.10
Rig	Nabor X49	Rotary Drilled(Usft)	14468.00
State	New Mexico	Rotary Hours	136.00
County	Lea	Rotary ROP(Usft/hr)	106.38
Formation	1ST Bone Springs	Rotary %	86.81
Start Date	06/08/2022	Slide Drilled(Usft)	2198.00
End Date	06/29/2022	Slide Hours	59.83
Days On Well	22	Slide ROP(Usft/hr)	36.74
Start Depth (Usft)	0.00	Slide %	13.19
End Depth (Usft)	18220.00		
Total Drilled (Usft)	16666.00		
# BHA's	8		
# Motor Failures	0		
# MWD Failures	1		
NPT hrs (Rig/Dir)	22.08 / 1.92		

Phase Data					
Phase	INTERMEDIATE 1	INTERMEDIATE 2	INTERMEDIATE 3	CURVE	LATERAL
Start Date	06/08/2022	06/13/2022	06/17/2022	06/20/2022	06/22/2022
End Date	06/13/2022	06/16/2022	06/19/2022	06/22/2022	06/29/2022
Total Days	5.58	3.42	3.00	2.33	6.90
Start Depth (Usft)	0.00	3750.00	5474.00	9449.00	10486.00
End Depth (Usft)	4926.00	5474.00	9449.00	10486.00	18220.00
Total Drilled(Usft)	3372.00	548.00	3975.00	1037.00	7734.00
Drilling Hours	25.08	7.08	27.58	25.08	111.00
Circulating Hours	5.25	3.92	2.33	1.00	9.08
Total D&C Hours	30.33	11.00	29.92	26.08	120.08
Avg ROP(Usft/hr)	134.43	77.36	144.11	41.34	69.68
Rotary Drilled(Usft)	3152.00	509.00	3856.00	258.00	6693.00
Rotary Hours	19.50	6.08	23.75	3.00	83.67
Rotary ROP(Usft/hr)	161.64	83.67	162.36	86.00	80.00
Rotary %	93.48	92.88	97.01	24.88	86.54
Slide Drilled(Usft)	220.00	39.00	119.00	779.00	1041.00
Slide Hours	5.58	1.00	3.83	22.08	27.33
Slide ROP(Usft/hr)	39.40	39.00	31.04	35.28	38.09
Slide %	6.52	7.12	2.99	75.12	13.46
# BHA	2	2	3	2	2
# Motor Failures	0	0	0	0	0
# MWD Failures	0	0	0	0	0
NPT hrs (Rig/Dir)	8.33 / 0.00	3.00 / 0.00	3.17 / 1.25	4.83 / 0.67	2.75 / 0.00
Total Phase Hrs	75.75	72.00	45.83	49.25	137.58
Phase ROP (Usft/hr)	44.51	7.61	86.73	21.06	56.21
Avg Motor Yield (" /100ft)	8.75	9.05	10.27	13.28	13.42
Avg Rotary DLS (" /100ft)	0.50	0.38	0.51	0.95	0.93
Avg Rotary TF	-152.42	-140.56	-170.23	14.22	-38.12
Avg Slide Length (Usft)	18.33	18.40	17.00	37.10	21.51
# Slides	12	5	7	21	41

BHA Data								
BHA#	1	2	3	4	5	6	7	8
Description	BHA 1	BHA 2	BHA 3	BHA 4	BHA 5	BHA 6	BHA 7	BHA 8
Bit Size	12.250	9.875	6.750	6.750	6.750	6.750	6.750	6.750
Bit Make/Model	Ultrerra / WAV616	Varel / Vion-616	Baker Hughes / DD406VTWS	Ultrerra / RPS613	Varel / EVOS-611	Ultrerra / U611S	Baker Hughes / DD406VTWS	Baker Hughes / DD406VTW
Bit TFA	1.167	1.052	1.035	1.035	0.991	1.035	1.077	0.920
Grade In	New	New	New	New	New	New	New	New
Grade Out	1-3-BT-G-X-I-CT-TD	1-1-NO-A-X-I-NO-TD		1-5-BT-S-X-I-WT-PR	1-1-FC-A-X-I-NO-BHA	1-1-FC-A-X-I-NO-BHA	1-4-BT-S-X-I-LT-BHA	1-2-CT-G-X-I-NO-TD
Motor SN	XSH80014	XSH80028	XSH57092	XSH57092	XSS50054	ESS50002	XSH57087	XSH57077
Motor Make/Model	Intrepid / Interceptor	Intrepid / Interceptor	Intrepid / Interceptor	Intrepid / Interceptor	Intrepid / Interceptor	Intrepid / Interceptor	Intrepid	Intrepid
Lobes/Stages	7/8 / 5.9	7/8 / 5.9	9/10 / 11.0	9/10 / 11.0	6/7 / 8.8	7/8 / 5.0	9/10 / 11.0	9/10 / 11.0
WOB (klbs)	10.00 / 27.22 / 38.00	15.00 / 38.45 / 40.00	12.00 / 21.30 / 28.00	12.00 / 45.82 / 60.00	11.00 / 17.40 / 20.00	20.00 / 20.00 / 20.00	15.00 / 28.81 / 45.00	25.00 / 27.50 / 30.00
Diff P (psi)	100.00 / 517.39 / 1050.00	200.00 / 428.57 / 550.00	200.00 / 412.50 / 650.00	300.00 / 543.18 / 950.00	200.00 / 403.33 / 450.00	400.00 / 560.71 / 650.00	200.00 / 534.65 / 800.00	600.00 / 600.00 / 600.00
Bend	1.750	1.750	1.500	1.500	2.120	2.380	1.500	1.500
Date In	06/10/2022	06/12/2022	06/15/2022	06/17/2022	06/19/2022	06/21/2022	06/22/2022	06/26/2022
Date Out	06/12/2022	06/15/2022	06/17/2022	06/19/2022	06/21/2022	06/22/2022	06/26/2022	06/29/2022
Time In	10:30	17:45	15:20	19:20	03:20	09:45	08:30	21:50
Time Out	16:45	13:15	18:50	01:15	08:50	07:50	21:10	05:30
BRT Hrs	54.25	67.50	51.50	29.92	53.50	22.08	108.67	55.67
Start Depth (Usft)	1554.00	3750.00	5450.00	7193.00	9449.00	10078.00	10486.00	16568.00
End Depth (Usft)	3750.00	5450.00	7193.00	9449.00	10078.00	10486.00	16568.00	18220.00
Total Drilled(Usft)	2196.00	1700.00	1743.00	2256.00	629.00	408.00	6082.00	1652.00
Drilling Hours	16.25	12.17	13.25	18.08	18.33	6.75	87.25	23.75
Circulating Hours	2.33	6.83	1.33	1.00	0.75	0.25	2.33	6.75
Total D&C Hours	18.58	19.00	14.58	19.08	19.08	7.00	89.58	30.50
Avg ROP(Usft/hr)	135.14	139.73	131.55	124.76	34.31	60.44	69.71	69.56
Rotary Drilled(Usft)	2029.00	1608.00	1688.00	2192.00	91.00	167.00	5172.00	1521.00
Rotary Hours	12.17	9.67	11.92	15.58	1.00	2.00	64.00	19.67
Rotary ROP(Usft/hr)	166.77	166.34	141.65	140.66	91.00	83.50	80.81	77.34
Rotary %	92.40	94.59	96.84	97.16	14.47	40.93	85.04	92.07
Slide Drilled(Usft)	167.00	92.00	55.00	64.00	538.00	241.00	910.00	131.00
Slide Hours	4.08	2.50	1.33	2.50	17.33	4.75	23.25	4.08
Slide ROP(Usft/hr)	40.90	36.80	41.25	25.60	31.04	50.74	39.14	32.08
Slide %	7.60	5.41	3.16	2.84	85.53	59.07	14.96	7.93
Motor Failure	NO	NO	NO	NO	NO	NO	NO	NO
MWD Failure	NO	NO	YES	NO	NO	NO	NO	NO
Unplanned Trip	NO	NO	NO	YES	NO	NO	NO	NO
LIH	NO	NO	NO	NO	NO	NO	NO	NO
Avg Motor Yield (" /100ft)	8.17	9.05	6.72	12.92	10.84	19.77	15.00	4.78
Avg Rotary DLS (" /100ft)	0.56	0.38	0.28	0.68	1.50	0.41	0.98	0.81
Avg Rotary TF	-158.90	-140.56	-163.22	-176.38	4.02	63.42	-35.36	-43.27
Avg Slide Length (Usft)	18.56	18.40	18.33	16.00	41.38	30.13	21.46	21.83
# Slides	9	5	3	4	13	8	35	6

	Job #	30-025-49940	Operator:	Advance Energy Partners
	API Job #	30-025-49940	Field:	Hat Mesa
	Rig:	Nabor X49	Well:	Dagger State Com 304H
	Date:	06/08/2022	State:	New Mexico
			County:	Lea
Dagger State Com 304H - Dagger State Com 304H - Personnel Utilization				
Name	Position	Date/Time Arrived	Date/Time Left	Total Days / Hours
Well Seeker PRO 2.0.8.18 - Ameredev				



Operator: Advance Energy Partners
Well Name: Dagger State Com 304H - Dagger State Com 304H
AFE #: NM0230
PO #:
Rig: Nabor X49

Job #: 30-025-49940
Day DD:
Night DD:
Day MWD:
Night DD:
State / County: New Mexico / Lea
API #: 30-025-49940
Company Man:
Company Rep
Signature

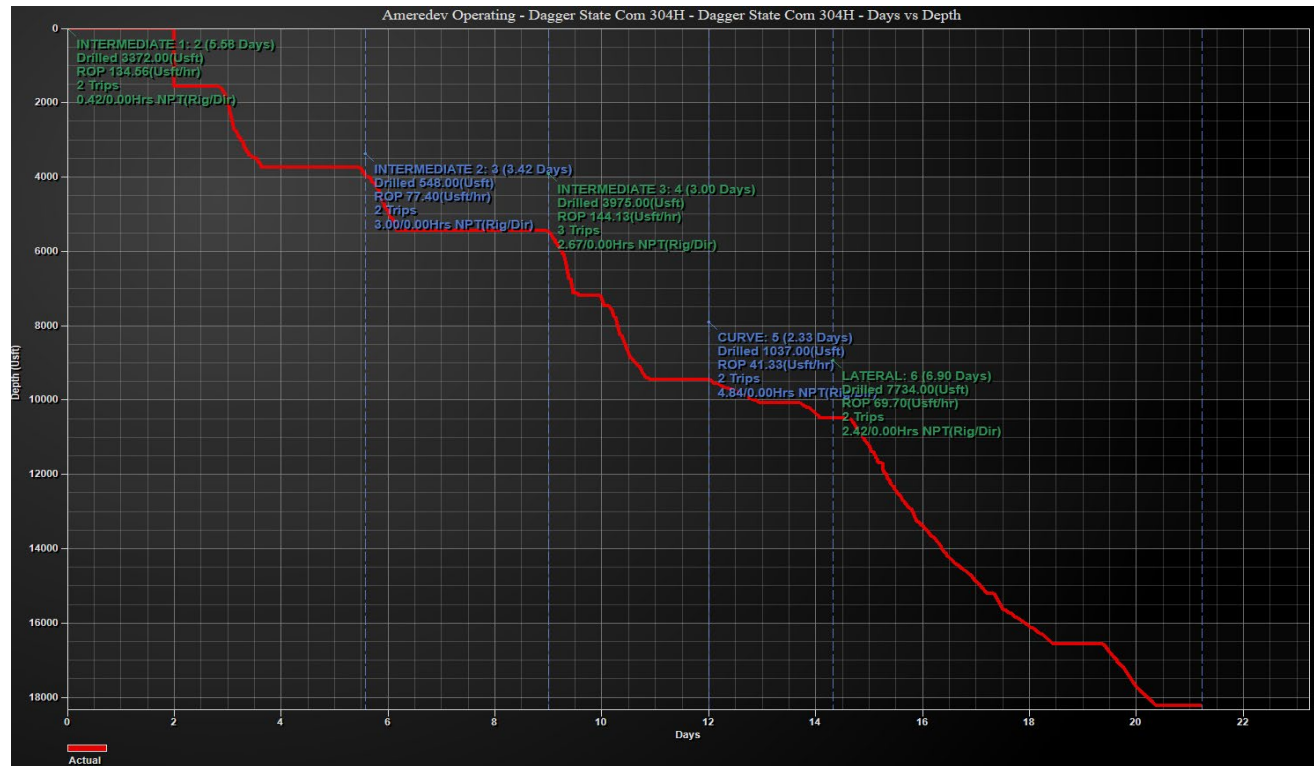
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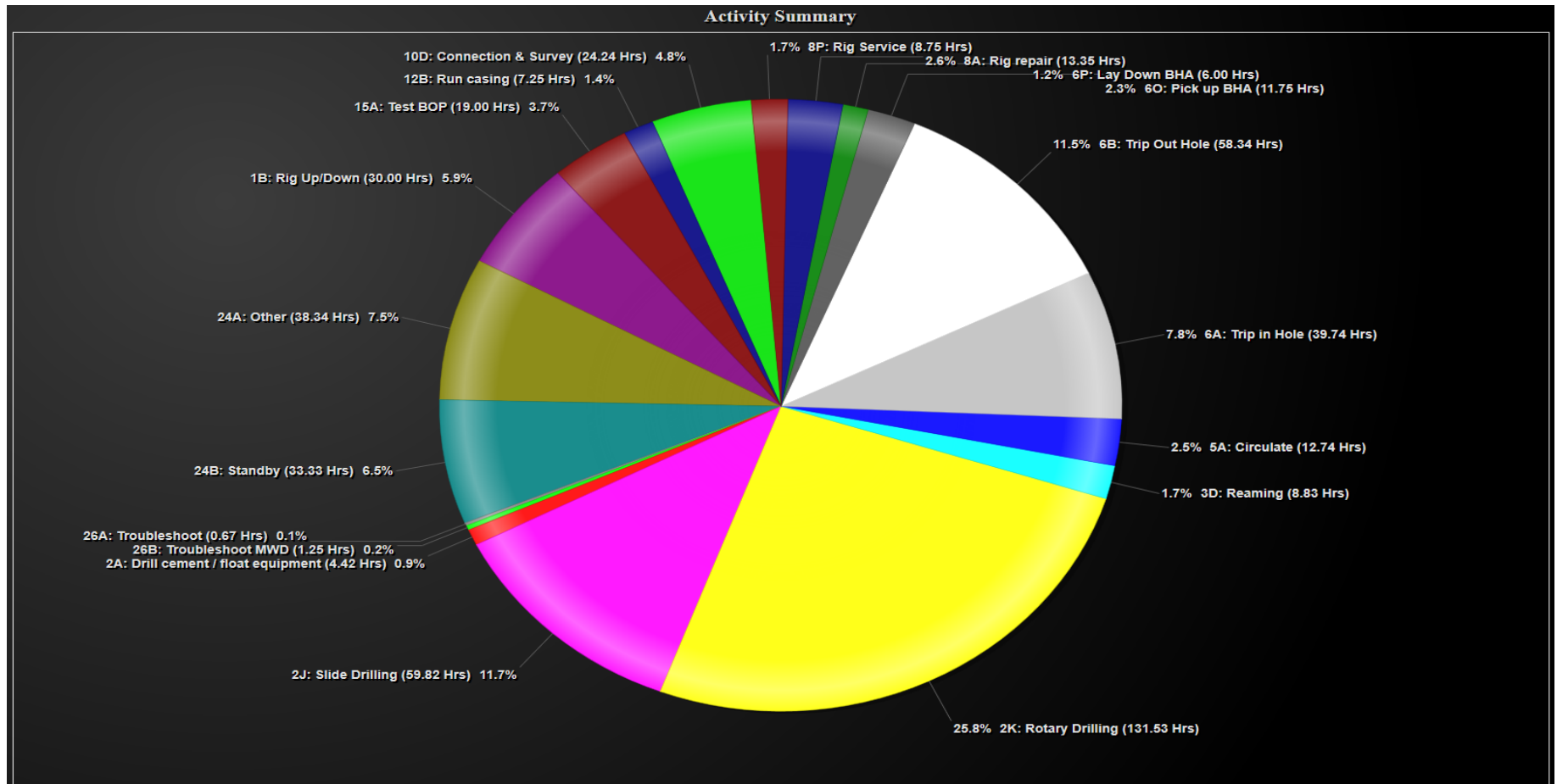
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Type	Vendor	Size (in)	Description	Mag	SN	In Hole	On Location																															
Cross Over	DTI	5	CET43 X XT-39	Steel	DR49720	14.00	15.00								X	X	X	X	X	O	X	X	X	X	X	X	X	X	X									
Cross Over	DTI	5.25	CET43 X XT-39	Steel	DR46981	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
Cross Over	DTI	5.25	CET43 X XT-39	Steel	DR46982	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
MWD / LWD	Intrepid	5.25	NON MAG UBHO	Non-Mag	BT-500566	14.00	15.00								X	X	X	X	X	O	X	X	X	X	X	X	X	X	X									
MWD / LWD	Intrepid	5.25	NON MAG UBHO	Non-Mag	BT-500571	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
Motor	Intrepid	5.75	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Steel	XSH57092	6.00	15.00								X	X	X	X	X	O	O	O	O	O	O	O	O	O	O									
Motor	Intrepid	5.75	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Steel	XSH57087	5.00	15.00								O	O	O	O	O	O	X	X	X	X	X	X	X	X	O									
Motor	Intrepid	5	5" 6/7 8.8 FBH @ 2.12deg W 6 1/4" NBS	Steel	XSS00061	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
Motor	INTREPID	5	5" 6/7 8.8 2.12deg FXD w/ 6 1/4NBS	Steel	XSS00052	-	11.00													O	O	O	O	O	O	O	O	O	O									
Motor		5	5" 6/7 8.8 2.12deg FXD TS	Steel	XSS00054	1.00	11.00													X	O	O	O	O	O	O	O	O	O									
Motor	Intrepid	5	5" MOTOR 7/8 5.0 FBH@2.38 W/TS	Steel	ESS00002	2.00	9.00														X	X	O	O	O	O	O	O	O									
Motor	Intrepid	5.75	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Steel	XSH57087	5.00	8.00															X	X	X	X	X	X	X	O									
Motor	Intrepid	5.75	5.75" 9/10 11:0 FBH @ 1.50deg W TS	Steel	XSH57077	4.00	4.00																						X	X	X							
Collar	DTI	5	NON MAG DRILL COLLAR	Non-Mag	DR40479	14.00	15.00								X	X	X	X	X	O	X	X	X	X	X	X	X	X	X									
Collar	DTI	5	NON MAG DRILL COLLAR	Non-Mag	DR40957	14.00	15.00								X	X	X	X	X	O	X	X	X	X	X	X	X	X	X									
Collar	DTI	5	NON MAG DRILL COLLAR	Non-Mag	DR36242	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
Collar	DTI	5	NON MAG DRILL COLLAR	Non-Mag	DR37774	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
Sub	DTI	5	FLOAT SUB	Steel	DR49728	-	15.00								O	O	O	O	O	O	O	O	O	O	O	O	O	O	O									
Sub	INTREPID	5	FLOAT SUB	Steel	IFSS00001	10.00	15.00								O	O	O	O	X	O	X	X	X	X	X	X	X	X	X									
Agitator	DWS	5.25	5 1/4" POWERGLIDE 0.80 PLATE	Steel	PG525-0049	4.00	8.00														O	O	O	O	X	X	X	X										
Agitator	DWS	5.25	5 1/4" POWERGLIDE 0.80 PLATE	Steel	PG525-0080	5.00	8.00														X	X	X	X	X	O	O	O										

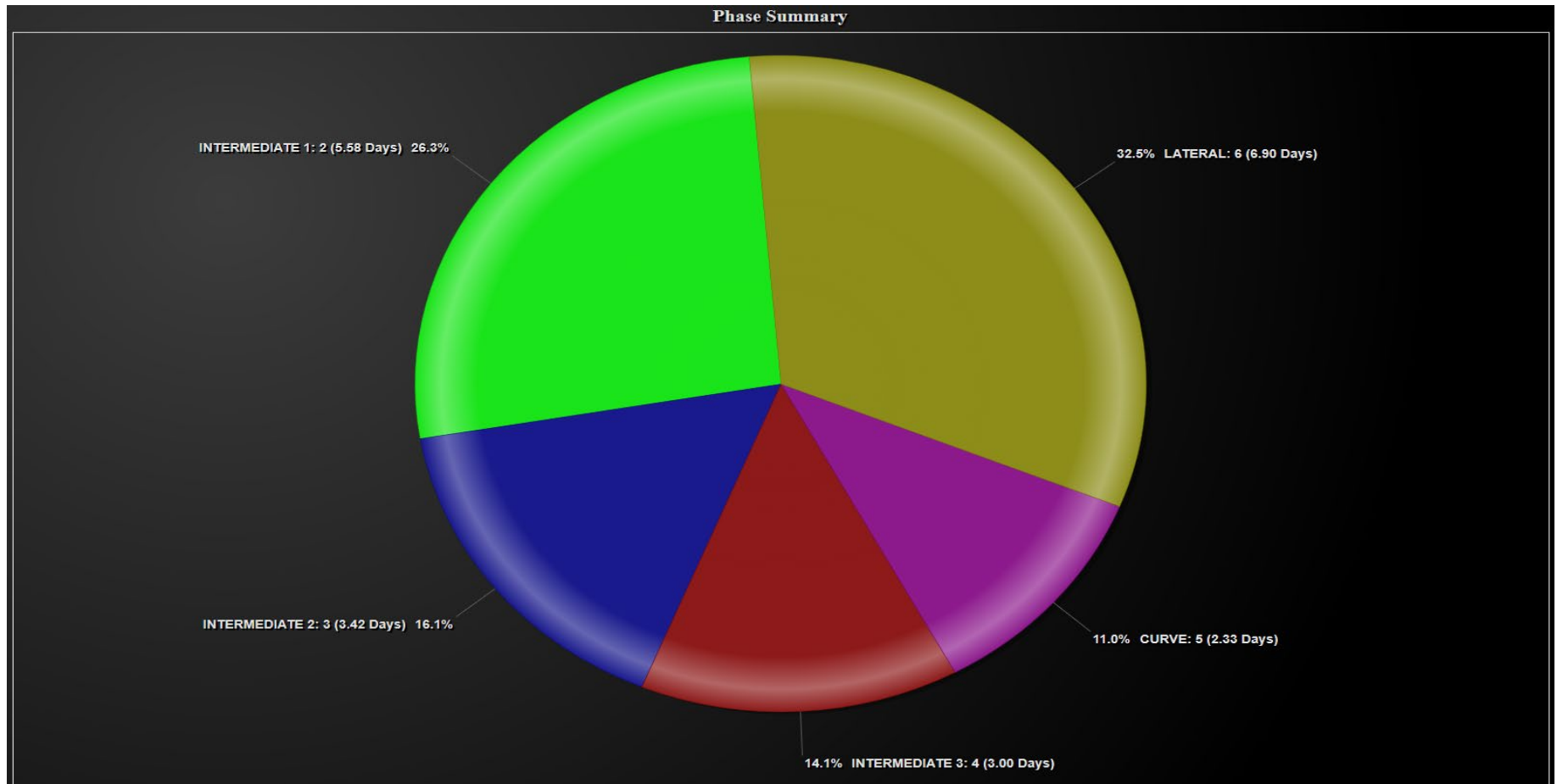
		Job #	30-025-49940			Operator:	Advance Energy Partners	
		API Job #	30-025-49940			Field:	Hat Mesa	
		Rig:	Nabor X49			Well:	Dagger State Com 304H	
		County:	Lea			State:	New Mexico	
		AFE #:	NM0230			PO #:		
Tool Inventory								
S/N	Description	OD (in)	Length (Usft)	Cnx Top / Bot	Status	Make / Model	Date Arrived	Date Left
XSH57092	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75	38.7	XT39 / NC40	Dirty	Intrepid	06/15/2022	
XSH57087	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75	38.7	XT39 / NC40	Dirty	Intrepid	06/15/2022	
XSS50061	5" 6/7 8.8 FBH @ 2.12deg W 6	5	33.7	XT39 / 3 1/2 Reg	Clean	Intrepid	06/15/2022	
BT-500566	NON MAG UBHO	5.25	3.52	XT39 / XT39	In Hole	Intrepid	06/15/2022	
BT-500571	NON MAG UBHO	5.25		XT39 / XT39	Clean	Intrepid	06/15/2022	
DR40479	NON MAG DRILL COLLAR	5	27.65	XT39 / XT39	In Hole	DTI	06/15/2022	
DR40957	NON MAG DRILL COLLAR	5	28.48	XT39 / XT39	In Hole	DTI	06/15/2022	
DR36242	NON MAG DRILL COLLAR	5	29.24	XT39 / XT39	Clean	DTI	06/15/2022	
DR37774	NON MAG DRILL COLLAR	5	28.39	XT39 / XT39	Clean	DTI	06/15/2022	
DR49720	CET43 X XT-39	5	4.15	CET43 / XT39	In Hole	DTI	06/15/2022	
DR46981	CET43 X XT-39	5.25		CET43 / XT39	Clean	DTI	06/15/2022	
DR46982	CET43 X XT-39	5.25		CET43 / XT39	Clean	DTI	06/15/2022	
DR49728	FLOAT SUB	5	4.09	XT-39 / XT39	Clean	DTI	06/15/2022	
IFS500001	FLOAT SUB	5		XT-39 / XT39	In Hole	INTREPID	06/15/2022	
XSS50052	5" 6/7 8.8 2.12deg FXD w/ 6	5	33.7	XT39 / 3 1/2 REG	Clean	INTREPID	06/19/2022	
XSS50054	5" 6/7 8.8 2.12deg FXD TS	5	33.7	XT39 / 3 1/2 REG	Dirty		06/19/2022	
ESS50002	5" MOTOR 7/8 5.0 FBH@2.38	5	24	XT39 / 3 1/2 REG	Dirty	Intrepid	06/21/2022	
XSH57087	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75	38.7	XT39 / NC40	Dirty	Intrepid	06/22/2022	
PG525-0049	5 1/4" POWERGLIDE 0.80 PLATE	5.25	21.57	CET43 / CET43	In Hole	DWS	06/22/2022	
PG525-0080	5 1/4" POWERGLIDE 0.80 PLATE	5.25	21.27	CET43 / CET43	Dirty	DWS	06/22/2022	
XSH57077	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75	38.7	XT39 / NC40	In Hole	Intrepid	06/26/2022	
Well Seeker PRO 2.0.8.18 - Ameredev								

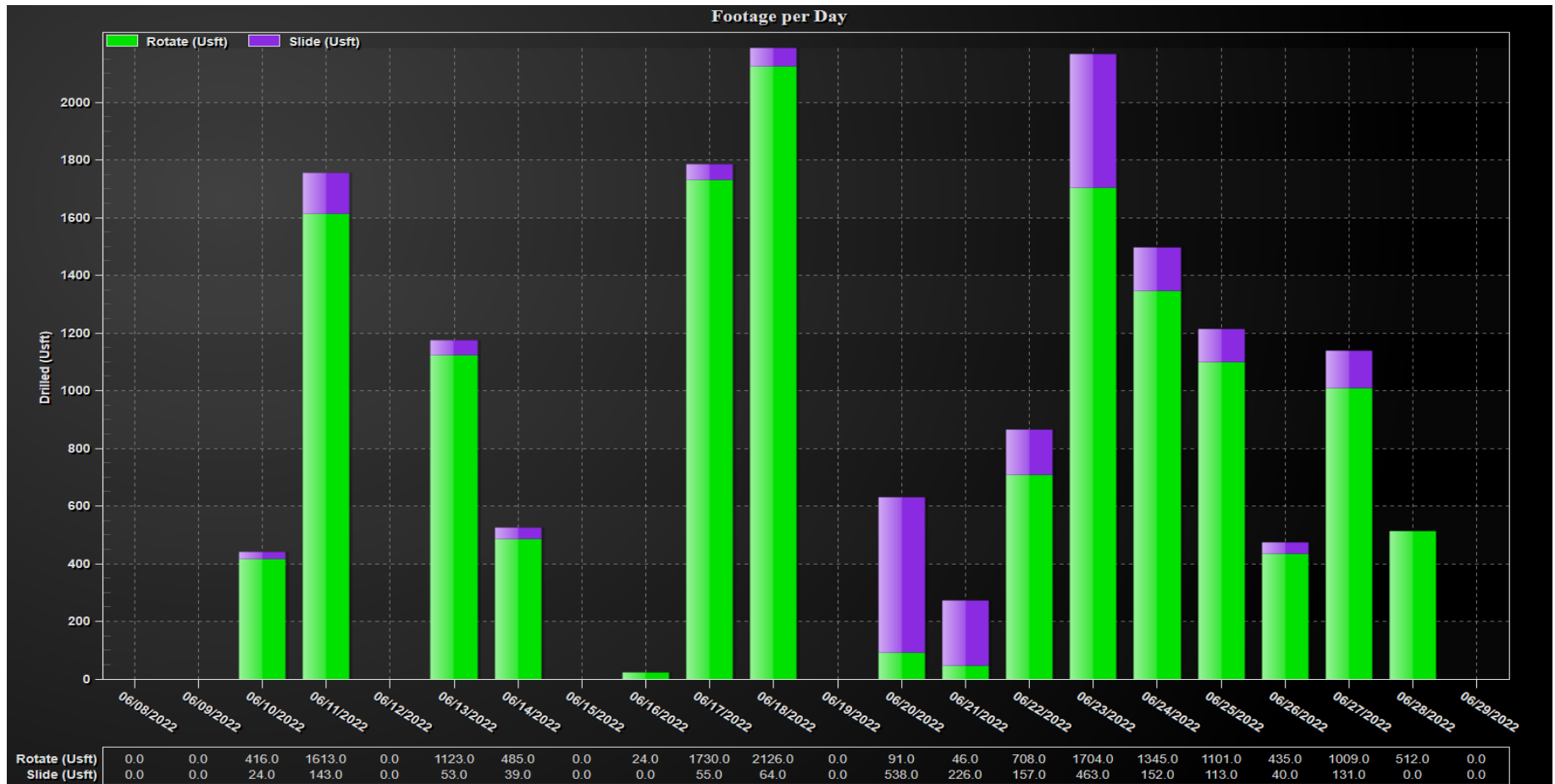
	Job #		30-025-49940		Operator:		Advance Energy Partners		
	API Job #		30-025-49940		Field:		Hat Mesa		
	Rig:		Nabor X49		Well:		Dagger State Com 304H		
	County:		Lea		State:		New Mexico		
Tool Utilization Report									
Description	S/N	Date Arrived	Date Left	Days on Loc.	Days DH	Runs	Circ Hrs	Drig Hrs	BRT Hrs
Ultrerra WAV616	61480	06/08/2022	06/29/2022	22	3	1	2.33	16.25	60.5
8" Intrepid Motor 7/8 5.9 FBH @ 1.50deg W	XSH80014	06/08/2022	06/29/2022	22	3	1	2.33	16.25	60.5
11 3/4" STABILIZER	DR41351	06/08/2022	06/29/2022	22	3	1	2.33	16.25	60.5
NM UBHO	DR47622	06/08/2022	06/29/2022	22	5	1,2	9.17	28.42	127.25
NMDC	DR36978	06/08/2022	06/29/2022	22	5	1,2	9.17	28.42	127.25
NMDC	DR43584	06/08/2022	06/29/2022	22	5	1,2	9.17	28.42	127.25
CROSSOVER CET54 B X 6 5/8 REG	PPR-PMR003	06/08/2022	06/29/2022	22	5	1,2	9.17	28.42	127.25
CROSSOVER CET43 B X CET54 P	PPR-9222	06/08/2022	06/29/2022	22	5	1,2	9.17	28.42	127.25
Varel Vion-616	4013276	06/08/2022	06/29/2022	22	3	2	6.83	12.17	66.75
8" Motor 7/8 5.9 FBH @1.50deg w	XSH80028	06/08/2022	06/29/2022	22	3	2	6.83	12.17	66.75
Baker Hughes DD406VTWS	5330359	06/08/2022	06/29/2022	22	2	3	1.33	13.25	51.5
5.75 9/10 11:0 FBH @ 1.50deg W	XSH57092	06/15/2022	06/29/2022	15	2	3	1.33	13.25	51.5
NON MAG UBHO	BT-500566	06/15/2022	06/29/2022	15	12	3,4,5,6,7,8	12.42	167.42	287.83
NON MAG DRILL COLLAR	DR40479	06/15/2022	06/29/2022	15	12	3,4,5,6,7,8	12.42	167.42	287.83
NON MAG DRILL COLLAR	DR40957	06/15/2022	06/29/2022	15	12	3,4,5,6,7,8	12.42	167.42	287.83
CET43 X XT-39	DR49720	06/15/2022	06/29/2022	15	12	3,4,5,6,7,8	12.42	167.42	287.83
Ultrerra RPS613	543451	06/08/2022	06/29/2022	22	2	4	1	18.08	52.67
5.75" 9/10 11:0 FBH @ 1.50deg W	XSH57092	06/15/2022	06/29/2022	15	2	4	1	18.08	52.67
Varel EVOS-611	6026544	06/08/2022	06/29/2022	22		5	0.75	18.33	-1.33
5" 6/7 8.8 2.12deg FXD TS	XSS50054	06/19/2022	06/29/2022	11		5	0.75	18.33	-1.33
FLOAT SUB	IFS500001	06/15/2022	06/29/2022	15	8	5,6,7,8	10.08	136.08	183.67
Ultrerra U611S	61010	06/08/2022	06/29/2022	22	1	6	0.25	6.75	22.08
5" MOTOR 7/8 5.0 FBH@2.38 W/T	ESS50002	06/21/2022	06/29/2022	9	1	6	0.25	6.75	22.08
Baker Hughes DD406VTWS	5331412	06/08/2022	06/29/2022	22	4	7	2.33	87.25	107.25
5.75" 9/10 11:0 FBH @ 1.50deg W	XSH57087	06/22/2022	06/29/2022	8	4	7	2.33	87.25	107.25
5 1/4" POWERGLIDE 0.80 PLATE	PG525-0080	06/22/2022	06/29/2022	8	4	7	2.33	87.25	107.25
Baker Hughes DD406VTW	5327212	06/08/2022	06/29/2022	22	2	8	6.75	23.75	55.67
5.75" 9/10 11:0 FBH @ 1.50deg W	XSH57077	06/26/2022	06/29/2022	4	2	8	6.75	23.75	55.67
5 1/4" POWERGLIDE 0.80 PLATE	PG525-0049	06/22/2022	06/29/2022	8	2	8	6.75	23.75	55.67
Well Seeker PRO 2.0.8.18 - Ameredon									

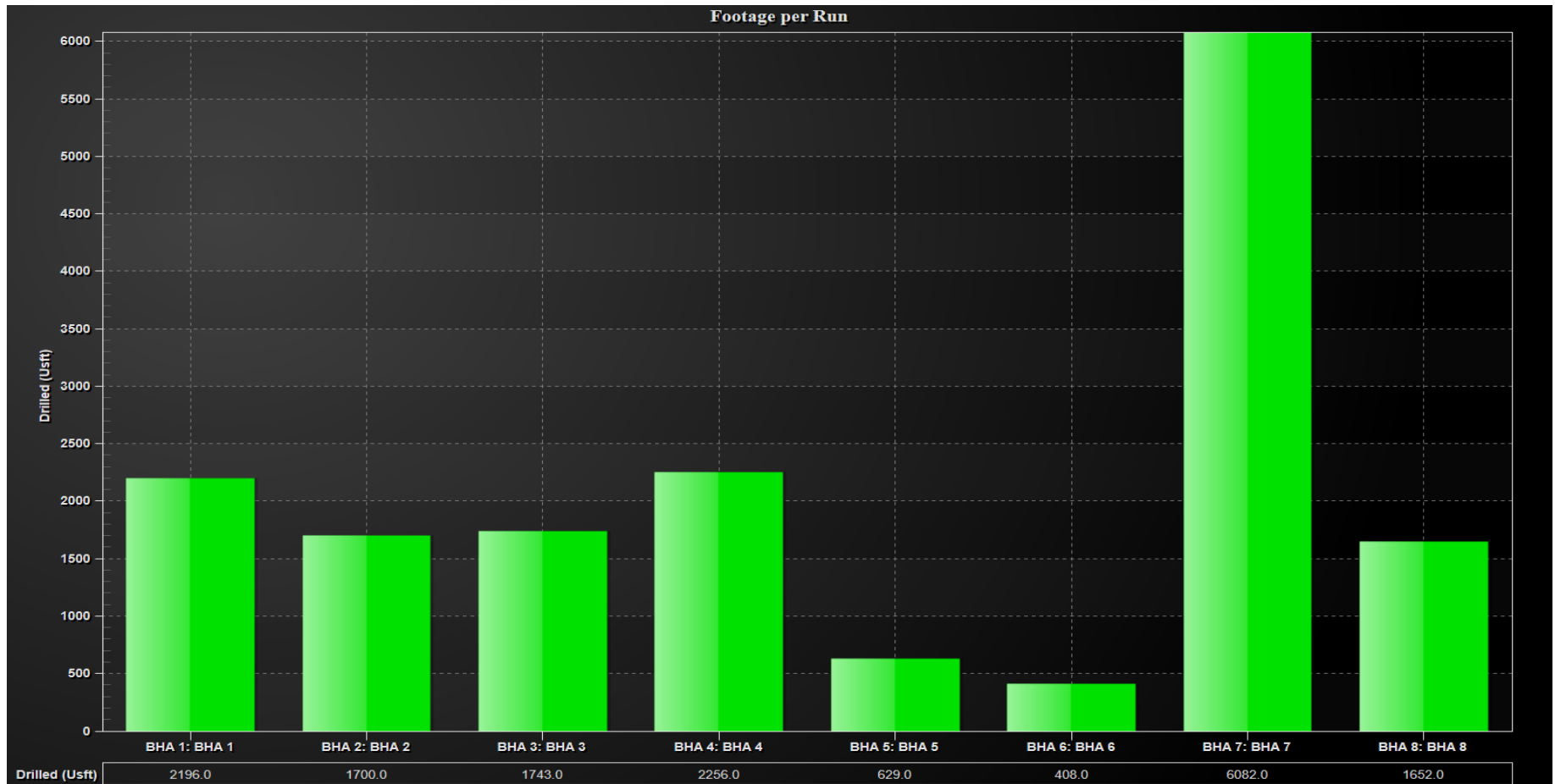
Well Seeker PRO 2.0.8.18 - Ameredev

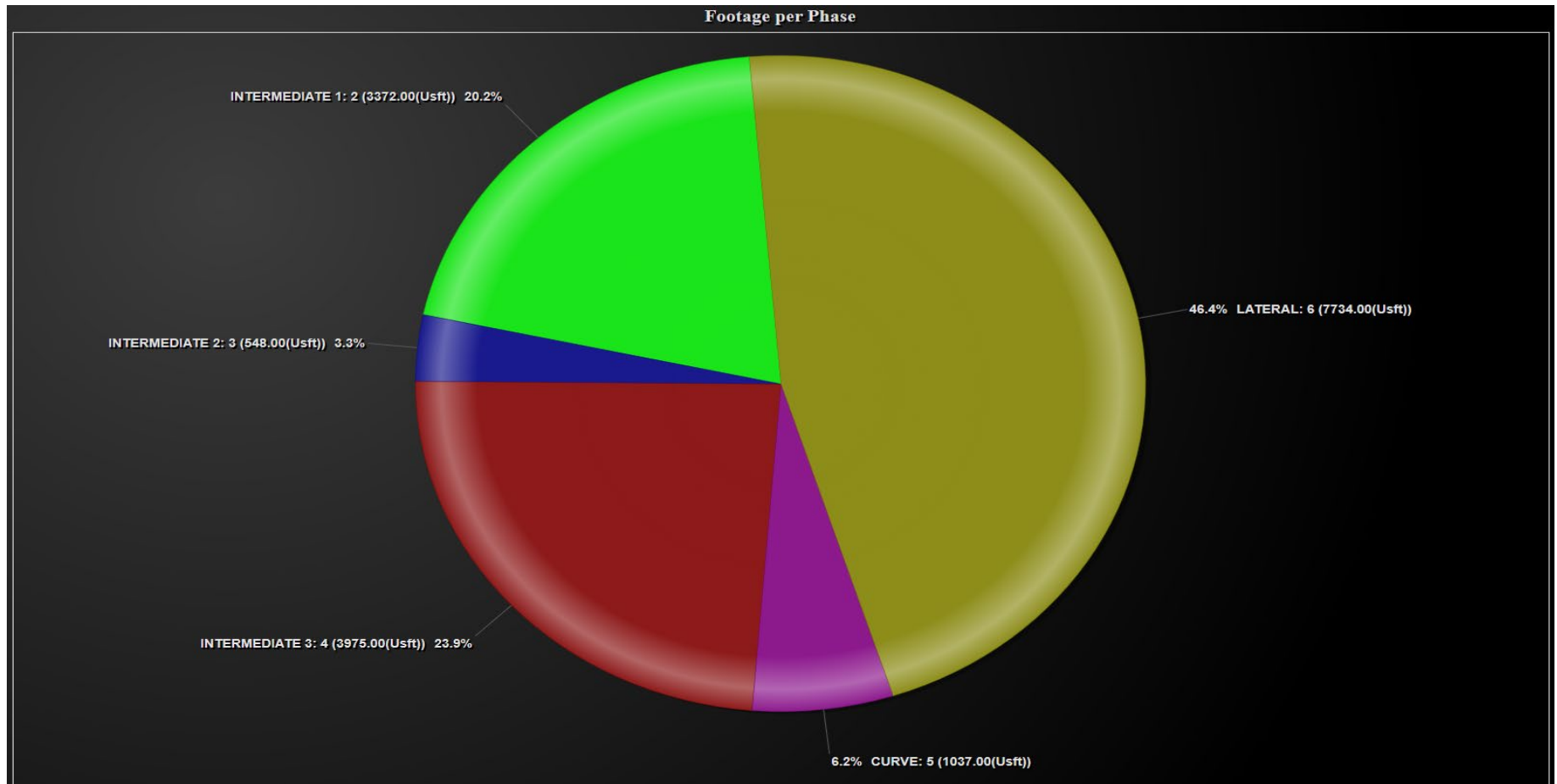












Operator

Advance Energy Partners

Field

Hat Mesa

Facility

Dagger State

Well

Dagger State Com 304H

Wellbore

Dagger State Com 304H - Dagger St.

Local co-ord ref

Well Centered

TVD Reference

WELL-Original Well Elev

North Reference

GRID

Survey Calc Method

Minimum Curvature

Field: Hat Mesa			
CRS US-SPC83 / New Mexico Eastern Zo			
Apply Scale Factor	NO	Scale Factor	0.999909091
System Datum	Mean Sea Level	Depth Datum->MSL	3852.50 Usft
Map Northing	540257.17 US survey foot	Map Easting	756717.54 US survey foot
Latitude	32° 28' 59.84760" N	Longitude	103° 38' 5.46360" W
Grid Convergence	0.375		

Facility: Dagger State			
Map Northing	529194.79 US survey foot	Map Easting	766028.88 US survey foot
Latitude	32° 27' 9.77040" N	Longitude	103° 36' 17.64360" W
Vertical Uncertainty	0.00 Usft	Horizontal Uncertainty	0.00 Usft
Grid Convergence	0.391		

Well: Dagger State Com 304H			
Local North	-964.25 Usft	Local East	-2653.20 Usft
Map Northing	528231.59 US survey foot	Map Easting	763377.20 US survey foot
Latitude	32° 27' 0.41760" N	Longitude	103° 36' 48.66480" W
Depth Datum	WELL-Original Well Elev	Datum Elevation	3852.50 Usft
GL Elevation	3820.00 Usft		
Grid Convergence	0.386		

Well bore: Dagger State Com 304H - Dagger State Com 304H			
Magnetic Model	User defined	Date	10/03/2022
Total Field (nT)	47577.36	Dip Angle (°)	60.199
Declination (°)	6.474		
VS Origin	User Defined	VS Azimuth	359.59
VS Origin NS	0.00 Usft	VS Origin EW	0.00 Usft

Survey Program: Dagger State Com 304H - Dagger State Com 304H			
Depth From (Usft)	Depth To (Usft)	Survey	Survey Tool
0	18152	AD	MWD(2)

MD Usft	Inc °	Azi °	TVD Usft	NS Usft	EW Usft	VS Usft	DLS (°/100ft)	BR (°/100ft)	TR (°/100ft)	TF °	CL Usft	TVD SS Usft	Map Northing US survey foot	Map Easting US survey foot	Latitude	Longitude	Closure Azi °	Up/Dn Usft	Left/Right 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	-3852.50	528231.59	763377.20	32° 27' 0.418" N	103° 36' 48.665" W	0.00	0.00	0.00
159.00	0.66	285.90	159.00	0.25	-0.88	0.26	0.42	0.42	46.60	285.90	159.00	-3693.50	528231.84	763376.32	32° 27' 0.420" N	103° 36' 48.675" W	285.90	0.00	0.00
280.00	0.70	246.00	279.99	0.14	-2.23	0.16	0.38	0.03	-32.98	-105.32	121.00	-3572.51	528231.73	763374.98	32° 27' 0.419" N	103° 36' 48.691" W	273.63	0.00	0.00
376.00	0.88	237.80	375.98	-0.49	-3.39	-0.47	0.22	0.19	-8.54	-36.28	96.00	-3476.52	528231.10	763373.82	32° 27' 0.413" N	103° 36' 48.704" W	261.76	0.00	0.00
470.00	0.35	182.02	469.97	-1.16	-4.01	-1.13	0.79	-0.56	-59.34	-157.04	94.00	-3382.53	528230.43	763373.20	32° 27' 0.406" N	103° 36' 48.712" W	253.83	0.00	0.00
566.00	1.05	172.53	565.97	-2.33	-3.90	-2.30	0.74	0.73	-9.89	-14.17	96.00	-3286.53	528229.27	763373.30	32° 27' 0.395" N	103° 36' 48.711" W	239.19	0.00	0.00
660.00	0.70	166.81	659.96	-3.74	-3.66	-3.71	0.38	-0.37	-6.09	-168.84	94.00	-3192.54	528227.85	763373.54	32° 27' 0.381" N	103° 36' 48.708" W	224.38	0.00	0.00
755.00	1.10	108.54	754.95	-4.59	-2.66	-4.58	0.99	0.42	-61.34	-97.40	95.00	-3097.55	528227.00	763374.54	32° 27' 0.372" N	103° 36' 48.696" W	210.09	0.00	0.00
850.00	1.10	112.00	849.93	-5.23	-0.95	-5.22	0.07	0.00	3.64	91.73	95.00	-3002.57	528226.37	763376.25	32° 27' 0.366" N	103° 36' 48.676" W	190.33	0.00	0.00
945.00	0.75	92.46	944.92	-5.59	0.51	-5.60	0.49	-0.37	-20.57	-147.46	95.00	-2907.58	528226.00	763377.72	32° 27' 0.362" N	103° 36' 48.659" W	174.75	0.00	0.00
1073.00	0.62	86.66	1072.91	-5.59	2.04	-5.60	0.11	-0.10	-4.53	-154.80	128.00	-2779.59	528226.00	763379.25	32° 27' 0.362" N	103° 36' 48.641" W	159.93	0.00	0.00
1168.00	0.40	94.83	1167.90	-5.59	2.89	-5.61	0.24	-0.23	8.60	165.76	95.00	-2684.60	528226.00	763380.09	32° 27' 0.362" N	103° 36' 48.632" W	152.69	0.00	0.00
1263.00	0.26	356.83	1262.90	-5.40	3.20	-5.42	0.53	-0.15	103.16	-149.45	95.00	-2589.60	528226.19	763380.41	32° 27' 0.364" N	103° 36' 48.628" W	149.32	0.00	0.00
1357.00	0.31	74.35	1356.90	-5.12	3.44	-5.14	0.38	0.05	82.47	122.52	94.00	-2495.60	528226.47	763380.64	32° 27' 0.367" N	103° 36' 48.625" W	146.12	0.00	0.00
1452.00	0.10	22.32	1451.90	-4.97	3.72	-5.00	0.27	-0.22	-54.77	-162.40	95.00	-2400.60	528226.62	763380.92	32° 27' 0.368" N	103° 36' 48.622" W	143.23	0.00	0.00
1514.00	0.14	288.72	1513.90	-4.90	3.67	-4.93	0.29	0.06	150.97	-127.90	62.00	-2338.60	528226.69	763380.87	32° 27' 0.369" N	103° 36' 48.622" W	143.20	0.00	0.00

1625.00	0.31	59.26	1624.90	-4.70	3.79	-4.73	0.37	0.15	117.60	145.40	111.00	-2227.60	528226.89	763381.00	32° 27' 0.371" N	103° 36' 48.621" W	141.09	0.00	0.00
1720.00	0.48	166.31	1719.90	-4.96	4.11	-4.99	0.68	0.18	112.68	134.49	95.00	-2132.60	528226.64	763381.31	32° 27' 0.368" N	103° 36' 48.617" W	140.34	0.00	0.00
1815.00	1.14	174.75	1814.89	-6.29	4.29	-6.32	0.70	0.69	8.88	14.49	95.00	-2037.61	528225.31	763381.49	32° 27' 0.355" N	103° 36' 48.615" W	145.68	0.00	0.00
1908.00	0.97	153.75	1907.87	-7.91	4.72	-7.95	0.45	-0.18	-22.58	-123.99	93.00	-1944.63	528223.68	763381.93	32° 27' 0.339" N	103° 36' 48.610" W	149.16	0.00	0.00
2003.00	1.27	194.88	2002.86	-9.65	4.81	-9.69	0.88	0.32	43.29	90.92	95.00	-1849.64	528221.94	763382.01	32° 27' 0.322" N	103° 36' 48.609" W	153.51	0.00	0.00
2098.00	2.15	207.36	2097.81	-12.25	3.72	-12.28	1.00	0.93	13.14	29.26	95.00	-1754.69	528219.34	763380.92	32° 27' 0.296" N	103° 36' 48.622" W	163.11	0.00	0.00
2192.00	2.11	192.86	2191.75	-15.50	2.52	-15.52	0.57	-0.04	-15.43	-101.47	94.00	-1660.75	528216.09	763379.73	32° 27' 0.264" N	103° 36' 48.637" W	170.75	0.00	0.00
2287.00	1.89	198.83	2286.69	-18.69	1.63	-18.70	0.32	-0.23	6.28	139.52	95.00	-1565.81	528212.90	763378.83	32° 27' 0.233" N	103° 36' 48.647" W	175.02	0.00	0.00
2382.00	1.85	183.54	2381.64	-21.71	1.03	-21.71	0.53	-0.04	-16.09	-102.20	95.00	-1470.86	528209.89	763378.23	32° 27' 0.203" N	103° 36' 48.655" W	177.29	0.00	0.00
2476.00	1.41	192.15	2475.60	-24.35	0.69	-24.35	0.53	-0.47	9.16	155.16	94.00	-1376.90	528207.24	763377.89	32° 27' 0.177" N	103° 36' 48.659" W	178.37	0.00	0.00
2571.00	1.05	189.34	2570.58	-26.35	0.30	-26.35	0.38	-0.38	-2.96	-171.89	95.00	-1281.92	528205.24	763377.51	32° 27' 0.157" N	103° 36' 48.663" W	179.34	0.00	0.00
2665.00	0.92	153.39	2664.57	-27.88	0.50	-27.88	0.66	-0.14	-38.24	-119.47	94.00	-1187.93	528203.72	763377.71	32° 27' 0.142" N	103° 36' 48.661" W	178.97	0.00	0.00
2760.00	1.19	152.78	2759.55	-29.44	1.30	-29.44	0.28	0.28	-0.64	-2.69	95.00	-1092.95	528202.16	763378.50	32° 27' 0.126" N	103° 36' 48.652" W	177.48	0.00	0.00
2854.00	1.89	152.34	2853.52	-31.68	2.46	-31.69	0.74	0.74	-0.47	-1.19	94.00	-998.98	528199.92	763379.66	32° 27' 0.104" N	103° 36' 48.639" W	175.56	0.00	0.00
2948.00	3.38	156.21	2947.42	-35.59	4.30	-35.62	1.60	1.59	4.12	8.75	94.00	-905.08	528196.01	763381.50	32° 27' 0.065" N	103° 36' 48.617" W	173.11	0.00	0.00
3042.00	4.84	161.30	3041.17	-41.88	6.69	-41.92	1.60	1.55	5.41	16.58	94.00	-811.33	528189.72	763383.89	32° 27' 0.003" N	103° 36' 48.590" W	170.93	0.00	0.00
3137.00	5.81	165.99	3135.76	-50.34	9.14	-50.40	1.12	1.02	4.94	26.51	95.00	-716.74	528181.25	763386.34	32° 26' 59.919" N	103° 36' 48.562" W	169.71	0.00	0.00
3232.00	5.54	153.75	3230.30	-59.12	12.33	-59.20	1.30	-0.28	-12.88	-108.62	95.00	-622.20	528172.48	763389.53	32° 26' 59.832" N	103° 36' 48.526" W	168.22	0.00	0.00
3326.00	5.54	154.54	3323.86	-67.28	16.29	-67.40	0.08	0.00	0.84	90.39	94.00	-528.64	528164.31	763393.49	32° 26' 59.751" N	103° 36' 48.480" W	166.39	0.00	0.00
3420.00	5.54	164.91	3417.42	-75.76	19.42	-75.90	1.06	0.00	11.03	95.16	94.00	-435.08	528155.83	763396.62	32° 26' 59.667" N	103° 36' 48.444" W	165.62	0.00	0.00
3515.00	5.89	169.48	3511.95	-84.98	21.50	-85.13	0.60	0.37	4.81	54.72	95.00	-340.55	528146.61	763398.71	32° 26' 59.575" N	103° 36' 48.421" W	165.80	0.00	0.00
3610.00	5.23	170.53	3606.50	-94.05	23.11	-94.21	0.70	-0.69	1.11	171.76	95.00	-246.00	528137.55	763400.31	32° 26' 59.485" N	103° 36' 48.403" W	166.20	0.00	0.00
3684.00	5.01	170.80	3680.21	-100.56	24.18	-100.73	0.30	-0.30	0.36	173.88	74.00	-172.29	528131.03	763401.38	32° 26' 59.421" N	103° 36' 48.391" W	166.48	0.00	0.00
3799.00	4.62	169.39	3794.80	-110.07	25.83	-110.25	0.35	-0.34	-1.23	-163.82	115.00	-57.70	528121.52	763403.04	32° 26' 59.327" N	103° 36' 48.372" W	166.79	0.00	0.00
3899.00	4.09	168.42	3894.51	-117.52	27.29	-117.72	0.54	-0.53	-0.97	-172.57	100.00	42.01	528114.07	763404.49	32° 26' 59.253" N	103° 36' 48.356" W	166.93	0.00	0.00
4083.00	3.65	168.69	4078.09	-129.69	29.76	-129.90	0.24	-0.24	0.15	177.76	184.00	225.59	528101.90	763406.96	32° 26' 59.132" N	103° 36' 48.328" W	167.08	0.00	0.00
4272.00	5.71	163.68	4266.45	-144.62	33.58	-144.86	1.11	1.09	-2.65	-13.73	189.00	413.95	528086.97	763410.78	32° 26' 58.984" N	103° 36' 48.284" W	166.93	0.00	0.00
4461.00	5.27	155.68	4454.59	-161.55	39.79	-161.83	0.47	-0.23	-4.23	-123.84	189.00	602.09	528070.04	763417.00	32° 26' 58.816" N	103° 36' 48.213" W	166.16	0.00	0.00
4555.00	6.29	160.69	4548.11	-170.35	43.28	-170.65	1.21	1.09	5.33	28.83	94.00	695.61	528061.25	763420.48	32° 26' 58.729" N	103° 36' 48.173" W	165.75	0.00	0.00
4650.00	6.77	159.99	4642.49	-180.52	46.91	-180.85	0.51	0.51	-0.74	-9.76	95.00	789.99	528051.07	763424.12	32° 26' 58.628" N	103° 36' 48.132" W	165.43	0.00	0.00
4744.00	6.77	158.05	4735.84	-190.86	50.88	-191.22	0.24	0.00	-2.06	-90.96	94.00	883.34	528040.73	763428.08	32° 26' 58.526" N	103° 36' 48.086" W	165.07	0.00	0.00
4839.00	7.25	163.15	4830.13	-201.79	54.71	-202.18	0.83	0.51	5.37	54.91	95.00	977.63	528029.80	763431.91	32° 26' 58.417" N	103° 36' 48.042" W	164.83	0.00	0.00
4933.00	7.65	168.60	4923.34	-213.60	57.67	-214.01	0.86	0.43	5.80	63.21	94.00	1070.84	528017.99	763434.87	32° 26' 58.300" N	103° 36' 48.009" W	164.89	0.00	0.00
5027.00	6.55	175.19	5016.62	-225.08	59.35	-225.50	1.45	-1.17	7.01	146.72	94.00	1164.12	528006.51	763436.56	32° 26' 58.186" N	103° 36' 47.990" W	165.23	0.00	0.00
5122.00	5.19	175.46	5111.12	-234.76	60.15	-235.19	1.43	-1.43	0.28	178.97	95.00	1258.62	527996.83	763437.35	32° 26' 58.091" N	103° 36' 47.981" W	165.63	0.00	0.00
5217.00	4.92	176.25	5205.75	-243.11	60.75	-243.54	0.29	-0.28	0.83	165.94	95.00	1353.25	527988.48	763437.96	32° 26' 58.008" N	103° 36' 47.975" W	165.97	0.00	0.00
5312.00	5.01	172.73	5300.39	-251.29	61.54	-251.73	0.33	0.09	-3.71	-75.30	95.00	1447.89	527980.30	763438.75	32° 26' 57.927" N	103° 36' 47.966" W	166.24	0.00	0.00
5388.00	4.79	169.57	5376.11	-257.70	62.54	-258.15	0.46	-0.29	-4.16	-130.75	76.00	1523.61	527973.89	763439.74	32° 26' 57.863" N	103° 36' 47.955" W	166.36	0.00	0.00
5522.00	4.97	171.94	5509.63	-268.95	64.37	-269.41	0.20	0.13	1.77	49.43	134.00	1657.13	527962.64	763441.57	32° 26' 57.752" N	103° 36' 47.935" W	166.54	0.00	0.00
5617.00	4.84	168.51	5604.28	-276.96	65.74	-277.42	0.34	-0.14	-3.61	-115.61	95.00	1751.78	527954.64	763442.94	32° 26' 57.673" N	103° 36' 47.919" W	166.65	0.00	0.00
5712.00	4.35	165.52	5698.97	-284.37	67.44	-284.85	0.57	-0.52	-3.15	-155.43	95.00	1846.47	527947.22	763444.64	32° 26' 57.599" N	103° 36' 47.900" W	166.66	0.00	0.00
5806.00	3.91	165.00	5792.73	-290.92	69.16	-291.41	0.47	-0.47	-0.55	-175.39	94.00	1940.23	527940.67	763446.36	32° 26' 57.534" N	103° 36' 47.881" W	166.63	0.00	0.00
5901.00	4.53	171.94	5887.47	-297.76	70.53	-298.26	0.84	0.65	7.31	42.97	95.00	2034.97	527933.83	763447.73	32° 26' 57.467" N	103° 36' 47.865" W	166.67	0.00	0.00
5995.00	4.92	175.54	5981.15	-305.46	71.36	-305.96	0.52	0.41	3.83	39.05	94.00	2128.65	527926.14	763448.56	32° 26' 57.390" N	103° 36' 47.856" W	166.85	0.00	0.00
6090.00	4.92	175.02	6075.80	-313.58	72.03	-314.08	0.05	0.00	-0.55	-90.26	95.00	2223.30	527918.02	763449.23	32° 26' 57.310" N	103° 36' 47.849" W	167.06	0.00	0.00
6184.00	4.70	173.52	6169.47	-321.42	72.81	-321.93	0.27	-0.23	-1.60	-150.99	94.00	2316.97	527910.17	763450.02	32° 26' 57.232" N	103° 36' 47.840" W	167.24	0.00	0.00
6278.00	4.70	175.81	6263.15	-329.09	73.53	-329.60	0.20	0.00	2.44	91.14	94.00	2410.65	527902.51	763450.73	32° 26' 57.156" N	103° 36' 47.833" W	167.40	0.00	0.00
6372.00	4.75	175.89	6356.84	-336.81	74.09	-337.33	0.05	0.05	0.09	7.55	94.00	2504.34	527894.78	763451.29	32° 26' 57.080" N	103° 36' 47.827" W	167.59	0.00	0.00
6465.00	4.66	176.51	6449.52	-344.42	74.60	-344.95	0.11	-0.10	0.67	150.84	93.00	2597.02	527887.17	763451.80	32° 26' 57.005" N	103° 36' 47.821" W	167.78	0.00	0.00
6560.00	4.48	176.51	6544.22	-351.98	75.06	-352.50	0.19	-0.19	0.00	180.00	95.00	2691.72	527879.62	763452.26	32° 26' 56.930" N	103° 36' 47.817" W	167.96	0.00	0.00
6654.00	4.22	175.19	6637.95	-359.09	75.57	-359.62	0.30	-0.28	-1.40	-159.60	94.00	2785.45	527872.51	763452.77	32° 26' 56.859" N	103° 36' 47.811" W	168.12	0.00	0.00
6749.00	4.97	164.91	6732.64	-366.54	76.94	-367.08	1.17	0.79	-10.82	-52.88	95.00	2880.14	527865.0						

7505.00	5.89	163.77	7485.56	-431.53	96.53	-432.21	1.52	1.45	5.33	21.00	94.00	3633.06	527800.06	763473.74	32° 26' 56.141" N	103° 36' 47.572" W	167.39	0.00	0.00
7600.00	5.58	164.91	7580.08	-440.67	99.10	-441.37	0.35	-0.33	1.20	160.39	95.00	3727.58	527790.92	763476.30	32° 26' 56.051" N	103° 36' 47.543" W	167.33	0.00	0.00
7694.00	4.79	163.06	7673.70	-448.84	101.43	-449.55	0.86	-0.84	-1.97	-168.97	94.00	3821.20	527782.76	763478.63	32° 26' 55.970" N	103° 36' 47.516" W	167.27	0.00	0.00
7789.00	5.27	161.92	7768.33	-456.78	103.94	-457.51	0.52	0.51	-1.20	-12.33	95.00	3915.83	527774.82	763481.14	32° 26' 55.891" N	103° 36' 47.488" W	167.18	0.00	0.00
7884.00	5.19	160.69	7862.94	-464.98	106.72	-465.73	0.14	-0.08	-1.29	-126.12	95.00	4010.44	527766.61	763483.92	32° 26' 55.810" N	103° 36' 47.456" W	167.07	0.00	0.00
7978.00	4.48	159.28	7956.60	-472.43	109.42	-473.20	0.77	-0.76	-1.50	-171.20	94.00	4104.10	527759.17	763486.62	32° 26' 55.736" N	103° 36' 47.425" W	166.96	0.00	0.00
8073.00	4.22	155.59	8051.33	-479.08	112.18	-479.87	0.40	-0.27	-3.88	-134.72	95.00	4198.83	527752.51	763489.38	32° 26' 55.670" N	103° 36' 47.393" W	166.82	0.00	0.00
8167.00	3.65	151.99	8145.10	-484.87	115.01	-485.68	0.66	-0.61	-3.83	-158.36	94.00	4292.60	527746.72	763492.22	32° 26' 55.612" N	103° 36' 47.361" W	166.66	0.00	0.00
8262.00	4.97	155.15	8239.83	-491.27	118.16	-492.11	1.41	1.39	3.33	11.78	95.00	4387.33	527740.32	763495.36	32° 26' 55.549" N	103° 36' 47.325" W	166.48	0.00	0.00
8356.00	5.49	155.06	8333.44	-499.05	121.77	-499.91	0.55	0.55	-0.10	-0.95	94.00	4480.94	527732.55	763498.97	32° 26' 55.471" N	103° 36' 47.283" W	166.29	0.00	0.00
8451.00	5.14	159.11	8428.03	-507.14	125.20	-508.03	0.54	-0.37	4.26	135.02	95.00	4575.53	527724.45	763502.41	32° 26' 55.391" N	103° 36' 47.244" W	166.13	0.00	0.00
8545.00	5.58	159.20	8521.62	-515.35	128.33	-516.25	0.47	0.47	0.10	1.14	94.00	4669.12	527716.24	763505.53	32° 26' 55.310" N	103° 36' 47.208" W	166.02	0.00	0.00
8640.00	4.70	158.67	8616.24	-523.29	131.38	-524.22	0.93	-0.93	-0.56	-177.18	95.00	4763.74	527708.30	763508.59	32° 26' 55.231" N	103° 36' 47.173" W	165.91	0.00	0.00
8735.00	4.70	161.92	8710.92	-530.62	134.01	-531.56	0.28	0.00	3.42	91.62	95.00	4858.42	527700.97	763511.21	32° 26' 55.158" N	103° 36' 47.143" W	165.83	0.00	0.00
8830.00	4.35	167.37	8805.62	-537.83	136.00	-538.79	0.58	-0.37	5.74	131.84	95.00	4953.12	527693.76	763513.21	32° 26' 55.087" N	103° 36' 47.120" W	165.81	0.00	0.00
8924.00	4.31	165.61	8899.36	-544.73	137.66	-545.70	0.15	-0.04	-1.87	-107.63	94.00	5046.86	527686.86	763514.86	32° 26' 55.018" N	103° 36' 47.101" W	165.82	0.00	0.00
9019.00	3.56	180.82	8994.13	-551.14	138.50	-552.12	1.35	-0.79	16.01	133.13	95.00	5141.63	527680.45	763515.71	32° 26' 54.955" N	103° 36' 47.092" W	165.89	0.00	0.00
9113.00	2.37	181.52	9088.01	-556.00	138.41	-556.98	1.27	-1.27	0.74	178.61	94.00	5235.51	527675.59	763515.61	32° 26' 54.907" N	103° 36' 47.093" W	166.02	0.00	0.00
9208.00	1.54	161.22	9182.95	-559.17	138.77	-560.15	1.12	-0.87	-21.37	-150.01	95.00	5330.45	527672.42	763515.97	32° 26' 54.875" N	103° 36' 47.089" W	166.06	0.00	0.00
9302.00	0.92	166.49	9276.93	-561.10	139.35	-562.09	0.67	-0.66	5.61	172.29	94.00	5424.43	527670.49	763516.56	32° 26' 54.856" N	103° 36' 47.083" W	166.05	0.00	0.00
9395.00	1.67	263.70	9369.91	-561.98	138.18	-562.95	2.16	0.81	104.53	124.28	93.00	5517.41	527669.61	763515.38	32° 26' 54.848" N	103° 36' 47.097" W	166.19	0.00	0.00
9489.00	3.08	265.54	9463.83	-562.33	134.30	-563.27	1.50	1.50	1.96	4.02	94.00	5611.33	527669.27	763511.50	32° 26' 54.844" N	103° 36' 47.142" W	166.57	0.00	0.00
9583.00	4.26	304.13	9557.65	-560.56	128.89	-561.47	2.84	1.26	41.05	84.58	94.00	5705.15	527671.03	763506.10	32° 26' 54.862" N	103° 36' 47.205" W	167.05	0.00	0.00
9632.00	10.29	319.86	9606.24	-556.19	124.56	-557.07	12.85	12.31	32.10	26.21	49.00	5753.74	527675.40	763501.76	32° 26' 54.906" N	103° 36' 47.255" W	167.38	0.00	0.00
9678.00	12.04	319.86	9651.36	-549.38	118.82	-550.22	3.80	3.80	0.00	0.00	46.00	5798.86	527682.21	763496.02	32° 26' 54.974" N	103° 36' 47.321" W	167.80	0.00	0.00
9730.00	18.99	329.79	9701.45	-537.91	111.05	-538.69	14.26	13.37	19.10	25.77	52.00	5848.95	527693.68	763488.26	32° 26' 55.088" N	103° 36' 47.411" W	168.33	0.00	0.00
9772.00	24.26	335.33	9740.48	-524.15	104.01	-524.88	13.44	12.55	13.19	23.78	42.00	5887.98	527707.44	763481.21	32° 26' 55.224" N	103° 36' 47.492" W	168.78	0.00	0.00
9820.00	30.37	340.34	9783.11	-503.74	95.80	-504.41	13.59	12.73	10.44	22.87	48.00	5930.61	527727.85	763473.00	32° 26' 55.427" N	103° 36' 47.586" W	169.23	0.00	0.00
9866.00	34.29	350.09	9822.00	-480.00	89.65	-480.63	14.16	8.52	21.20	57.26	46.00	5969.50	527751.59	763466.86	32° 26' 55.662" N	103° 36' 47.656" W	169.42	0.00	0.00
9961.00	39.69	5.74	9898.03	-423.29	88.08	-423.91	11.39	5.68	16.47	66.60	95.00	6045.53	527808.30	763465.28	32° 26' 56.223" N	103° 36' 47.670" W	168.25	0.00	0.00
10015.00	44.53	6.79	9938.07	-387.31	92.04	-387.96	9.06	8.96	1.94	8.67	54.00	6085.57	527844.29	763469.24	32° 26' 56.579" N	103° 36' 47.621" W	166.63	0.00	0.00
10055.00	48.22	5.21	9965.67	-358.52	95.06	-359.19	9.66	9.22	-3.95	-17.77	40.00	6113.17	527873.08	763472.26	32° 26' 56.864" N	103° 36' 47.584" W	165.15	0.00	0.00
10102.00	55.38	5.83	9994.71	-321.78	98.62	-322.48	15.27	15.23	1.32	4.09	47.00	6142.21	527909.81	763475.82	32° 26' 57.227" N	103° 36' 47.539" W	162.96	0.00	0.00
10150.00	64.44	5.83	10018.75	-280.50	102.83	-281.23	18.88	18.88	0.00	0.00	48.00	6166.25	527951.09	763480.03	32° 26' 57.635" N	103° 36' 47.487" W	159.87	0.00	0.00
10198.00	72.00	5.56	10036.55	-236.18	107.25	-236.94	15.76	15.75	-1.95	48.00	6184.05	527995.41	763484.45	763484.45	32° 26' 58.073" N	103° 36' 47.432" W	155.58	0.00	0.00
10245.00	77.14	6.44	10049.05	-191.14	111.99	-191.94	11.08	10.94	1.87	9.49	47.00	6196.55	528040.45	763489.19	32° 26' 58.519" N	103° 36' 47.373" W	149.63	0.00	0.00
10339.00	88.75	3.37	10060.58	-98.36	119.92	-99.22	12.77	12.35	-3.27	-14.92	94.00	6208.08	528133.23	763497.12	32° 26' 59.436" N	103° 36' 47.273" W	129.36	0.00	0.00
10433.00	87.78	0.38	10063.43	-4.47	122.99	-5.35	3.34	-1.03	-3.18	-108.02	94.00	6210.93	528227.13	763500.19	32° 27' 0.365" N	103° 36' 47.230" W	92.08	0.00	0.00
10455.00	87.82	0.46	10064.27	17.52	123.15	16.63	0.41	0.18	0.36	63.42	22.00	6211.77	528249.11	763500.35	32° 27' 0.583" N	103° 36' 47.226" W	81.91	0.00	0.00
10550.00	89.71	359.85	10066.32	112.49	123.41	111.60	2.09	1.99	0.64	-17.89	95.00	6213.82	528344.08	763500.61	32° 27' 1.522" N	103° 36' 47.216" W	47.65	0.00	0.00
10644.00	92.70	0.38	10064.34	206.46	123.60	205.57	3.23	3.18	0.56	10.05	94.00	6211.84	528438.05	763500.80	32° 27' 2.452" N	103° 36' 47.206" W	30.91	0.00	0.00
10739.00	94.02	0.29	10058.78	301.29	124.15	300.39	1.39	1.39	-0.09	-3.89	95.00	6206.28	528532.88	763501.35	32° 27' 3.391" N	103° 36' 47.192" W	22.39	0.00	0.00
10834.00	95.87	0.29	10050.59	395.93	124.63	395.03	1.95	1.95	0.00	0.00	95.00	6198.09	528627.52	763501.83	32° 27' 4.327" N	103° 36' 47.179" W	17.47	0.00	0.00
10928.00	94.15	1.52	10042.38	489.55	126.11	488.64	2.25	-1.83	1.31	144.48	94.00	6189.88	528721.15	763503.31	32° 27' 5.253" N	103° 36' 47.155" W	14.45	0.00	0.00
11022.00	91.34	3.54	10037.88	583.34	130.26	582.39	3.68	-2.99	2.15	144.27	94.00	6185.38	528814.93	763507.46	32° 27' 6.181" N	103° 36' 47.099" W	12.59	0.00	0.00
11117.00	90.68	4.42	10036.20	678.10	136.85	677.10	1.16	-0.69	0.93	126.87	95.00	6183.70	528909.69	763514.05	32° 27' 7.118" N	103° 36' 47.014" W	11.41	0.00	0.00
11211.00	89.14	1.78	10036.35	771.95	141.93	770.91	3.25	-1.64	-2.81	-120.25	94.00	6183.85	529003.54	763519.14	32° 27' 8.046" N	103° 36' 46.948" W	10.42	0.00	0.00
11306.00	89.23	2.13	10037.70	866.88	145.17	865.82	0.38	0.09	0.37	75.58	95.00	6185.20	529098.47	763522.38	32° 27' 8.986" N	103° 36' 46.902" W	9.51	0.00	0.00
11400.00	89.63	0.82	10038.64	960.84	147.59	959.76	1.46	0.43	-1.39	-73.03	94.00	6186.14	529192.44	763524.80	32° 27' 9.915" N	103° 36' 46.867" W	8.73	0.00	0.00
11495.00	90.46	0.73	10038.56	1055.83	148.88	1054.74	0.88	0.87	-0.09	-6.19	95.00	6186.06	529287.43	763526.08	32° 27' 10.855" N	103° 36' 46.844" W	8.03	0.00	0.00
11589.00	90.51	0.73	10037.77	1149.82	150.07	1148.72	0.05	0.05	0.00	0.00	94.00	6185.27	529381.42	763527.28	32° 27' 11.785" N	103° 36' 46.823" W	7.44	0.00	0.00

12440.00	88.97	359.15	10035.82	2000.69	142.94	1999.62	1.21	0.14	1.20	-83.50	95.00	6183.32	530232.28	763520.14	32° 27' 20.205" N	103° 36' 46.839" W	4.09	0.00	0.00
12501.00	88.88	358.53	10036.96	2061.67	141.70	2060.60	1.03	-0.15	-1.02	-98.27	61.00	6184.46	530293.26	763518.91	32° 27' 20.808" N	103° 36' 46.849" W	3.93	0.00	0.00
12535.00	88.53	358.18	10037.73	2095.64	140.73	2094.58	1.46	-1.03	-1.03	-135.01	34.00	6185.23	530327.24	763517.93	32° 27' 21.144" N	103° 36' 46.858" W	3.84	0.00	0.00
12628.00	89.19	356.77	10039.58	2188.53	136.63	2187.50	1.67	0.71	-1.52	-64.93	93.00	6187.08	530420.13	763513.84	32° 27' 22.064" N	103° 36' 46.898" W	3.57	0.00	0.00
12722.00	91.69	0.03	10038.86	2282.47	134.01	2281.46	4.37	2.66	3.47	52.51	94.00	6186.36	530514.07	763511.21	32° 27' 22.994" N	103° 36' 46.921" W	3.36	0.00	0.00
12817.00	90.73	359.32	10036.85	2377.45	133.47	2376.43	1.26	-1.01	0.75	-143.51	95.00	6184.35	530609.04	763510.67	32° 27' 23.933" N	103° 36' 46.920" W	3.21	0.00	0.00
12912.00	89.01	358.36	10037.07	2472.42	131.55	2471.42	2.07	-1.81	-1.01	-150.83	95.00	6184.57	530704.02	763508.75	32° 27' 24.873" N	103° 36' 46.935" W	3.05	0.00	0.00
13007.00	89.36	357.83	10038.42	2567.36	128.39	2566.38	0.67	0.37	-0.56	-56.56	95.00	6185.92	530798.96	763505.59	32° 27' 25.813" N	103° 36' 46.964" W	2.86	0.00	0.00
13101.00	90.55	357.48	10038.49	2661.28	124.54	2660.32	1.32	1.27	-0.37	-16.39	94.00	6185.99	530892.87	763501.74	32° 27' 26.742" N	103° 36' 47.002" W	2.68	0.00	0.00
13196.00	91.69	357.04	10036.64	2756.15	120.00	2755.22	1.29	1.20	-0.46	-21.10	95.00	6184.14	530987.75	763497.20	32° 27' 27.682" N	103° 36' 47.047" W	2.49	0.00	0.00
13290.00	91.03	358.27	10034.41	2850.05	116.16	2849.14	1.48	-0.70	1.31	118.21	94.00	6181.91	531081.64	763493.36	32° 27' 28.611" N	103° 36' 47.085" W	2.33	0.00	0.00
13385.00	90.95	359.67	10032.76	2945.01	114.45	2944.12	1.48	-0.08	1.47	93.26	95.00	6180.26	531176.61	763491.65	32° 27' 29.551" N	103° 36' 47.097" W	2.23	0.00	0.00
13479.00	89.05	359.85	10032.76	3039.01	114.06	3038.11	2.03	-2.02	0.19	174.59	94.00	6180.26	531270.60	763491.26	32° 27' 30.481" N	103° 36' 47.095" W	2.15	0.00	0.00
13574.00	89.85	0.03	10033.68	3134.00	113.96	3133.11	0.86	0.84	0.19	12.68	95.00	6181.18	531365.60	763491.16	32° 27' 31.421" N	103° 36' 47.088" W	2.08	0.00	0.00
13668.00	89.45	0.03	10034.25	3228.00	114.01	3227.10	0.43	-0.43	0.00	180.00	94.00	6181.75	531459.59	763491.21	32° 27' 32.351" N	103° 36' 47.080" W	2.02	0.00	0.00
13763.00	89.10	0.11	10035.45	3322.99	114.12	3322.09	0.38	-0.37	0.08	167.13	95.00	6182.95	531554.59	763491.32	32° 27' 33.291" N	103° 36' 47.071" W	1.97	0.00	0.00
13857.00	88.88	359.23	10037.11	3416.98	113.58	3416.08	0.96	-0.23	0.94	-104.05	94.00	6184.61	531648.57	763490.78	32° 27' 34.221" N	103° 36' 47.070" W	1.90	0.00	0.00
13951.00	88.75	359.32	10039.05	3510.95	112.39	3510.05	0.17	-0.14	0.10	145.31	94.00	6186.55	531742.54	763489.59	32° 27' 35.151" N	103° 36' 47.077" W	1.83	0.00	0.00
14046.00	89.67	359.15	10040.36	3605.93	111.12	3605.04	0.98	0.97	-0.18	-10.47	95.00	6187.86	531837.52	763488.33	32° 27' 36.091" N	103° 36' 47.084" W	1.77	0.00	0.00
14140.00	89.14	359.06	10041.34	3699.91	109.65	3699.03	0.57	-0.56	-0.10	-170.36	94.00	6188.84	531931.51	763486.86	32° 27' 37.021" N	103° 36' 47.094" W	1.70	0.00	0.00
14235.00	90.73	358.27	10041.45	3794.88	107.44	3794.02	1.87	1.67	-0.83	-26.42	95.00	6188.95	532026.48	763484.64	32° 27' 37.960" N	103° 36' 47.112" W	1.62	0.00	0.00
14329.00	91.69	357.92	10039.46	3888.81	104.32	3887.96	1.09	1.02	-0.37	-20.02	94.00	6186.96	532120.40	763481.52	32° 27' 38.890" N	103° 36' 47.141" W	1.54	0.89	-0.37
14423.00	91.43	359.06	10036.90	3982.74	101.84	3981.91	1.24	-0.28	1.21	102.84	94.00	6184.40	532214.33	763479.04	32° 27' 39.820" N	103° 36' 47.163" W	1.46	4.11	-1.55
14517.00	90.95	0.03	10034.95	4076.72	101.10	4075.89	1.15	-0.51	1.03	116.32	94.00	6182.45	532308.31	763478.30	32° 27' 40.750" N	103° 36' 47.164" W	1.42	7.70	-1.80
14612.00	88.40	1.17	10035.49	4171.70	102.09	4170.86	2.94	-2.68	1.20	155.91	95.00	6182.99	532403.29	763479.29	32° 27' 41.689" N	103° 36' 47.145" W	1.40	8.82	-0.31
14706.00	88.00	0.90	10038.44	4265.64	103.79	4264.79	0.51	-0.43	-0.29	-146.00	94.00	6185.94	532497.23	763480.99	32° 27' 42.619" N	103° 36' 47.118" W	1.39	7.50	1.87
14800.00	88.31	0.82	10041.47	4359.58	105.20	4358.71	0.34	0.33	-0.09	-14.46	94.00	6188.97	532591.17	763482.40	32° 27' 43.548" N	103° 36' 47.094" W	1.38	6.12	3.77
14895.00	87.03	1.08	10045.33	4454.48	106.77	4453.61	1.37	-1.35	0.27	168.53	95.00	6192.83	532686.08	763483.97	32° 27' 44.487" N	103° 36' 47.068" W	1.37	3.91	5.84
14990.00	87.52	0.90	10049.85	4549.36	108.41	4548.47	0.55	0.52	-0.19	-20.15	95.00	6197.35	532780.96	763485.61	32° 27' 45.426" N	103° 36' 47.041" W	1.37	1.05	7.97
15085.00	88.09	0.55	10053.49	4644.28	109.61	4643.38	0.70	0.60	-0.37	-31.54	95.00	6200.99	532875.88	763486.81	32° 27' 46.365" N	103° 36' 47.020" W	1.35	-0.93	9.67
15179.00	89.27	0.29	10055.65	4738.26	110.30	4737.34	1.29	1.26	-0.28	-12.43	94.00	6203.15	532969.85	763487.50	32° 27' 47.295" N	103° 36' 47.005" W	1.33	-2.74	10.31
15274.00	90.33	0.29	10055.98	4833.25	110.78	4832.34	1.12	1.12	0.00	0.00	95.00	6203.48	533064.85	763487.98	32° 27' 48.235" N	103° 36' 46.991" W	1.31	-4.30	10.09
15370.00	90.73	359.67	10055.09	4929.25	110.75	4928.33	0.77	0.42	0.65	-57.17	96.00	6202.59	533160.84	763487.95	32° 27' 49.185" N	103° 36' 46.984" W	1.29	-4.65	9.35
15464.00	90.64	359.23	10053.97	5023.24	109.85	5022.32	0.48	-0.10	-0.47	-101.56	94.00	6201.47	533254.83	763487.05	32° 27' 50.115" N	103° 36' 46.987" W	1.25	-4.74	7.75
15557.00	91.08	358.53	10052.58	5116.21	108.03	5115.30	0.89	0.47	-0.75	-57.84	93.00	6200.08	533347.80	763485.23	32° 27' 51.035" N	103° 36' 47.001" W	1.21	-4.55	5.24
15652.00	90.51	359.15	10051.26	5211.18	106.10	5210.29	0.89	-0.60	0.65	132.59	95.00	6198.76	533442.77	763483.31	32° 27' 51.975" N	103° 36' 47.016" W	1.17	-3.24	3.43
15747.00	89.49	359.67	10051.26	5306.17	105.13	5305.28	1.21	-1.07	0.55	152.99	95.00	6198.76	533537.76	763482.33	32° 27' 52.915" N	103° 36' 47.020" W	1.13	-2.34	3.16
15841.00	88.70	0.03	10052.74	5400.16	104.88	5399.27	0.92	-0.84	0.38	155.51	94.00	6200.24	533631.75	763482.08	32° 27' 53.845" N	103° 36' 47.016" W	1.11	-2.93	3.61
15936.00	88.53	359.67	10055.04	5495.13	104.63	5494.24	0.42	-0.18	0.38	-115.29	95.00	6202.54	533726.72	763481.83	32° 27' 54.784" N	103° 36' 47.011" W	1.09	-4.32	4.07
16030.00	89.27	358.97	10056.84	5589.10	103.52	5588.22	1.08	0.79	-0.74	-43.41	94.00	6204.34	533820.70	763480.72	32° 27' 55.714" N	103° 36' 47.017" W	1.06	-5.24	3.66
16125.00	88.62	358.71	10058.59	5684.07	101.59	5683.20	0.74	-0.68	-0.27	-158.20	95.00	6206.09	533915.66	763478.80	32° 27' 56.654" N	103° 36' 47.032" W	1.02	-6.08	2.44
16220.00	89.10	358.36	10060.48	5779.02	99.16	5778.16	0.63	0.51	-0.37	-36.10	95.00	6207.98	534010.61	763476.37	32° 27' 57.594" N	103° 36' 47.053" W	0.98	-7.07	0.72
16314.00	88.09	358.18	10062.79	5872.95	96.33	5872.11	1.09	-1.07	-0.19	-169.90	94.00	6210.29	534104.54	763473.53	32° 27' 58.523" N	103° 36' 47.078" W	0.94	-8.49	-1.42
16409.00	88.66	357.74	10065.48	5967.85	92.95	5967.03	0.76	0.60	-0.46	-37.66	95.00	6212.98	534199.44	763470.15	32° 27' 59.463" N	103° 36' 47.110" W	0.89	-10.28	-4.09
16503.00	89.49	357.30	10067.00	6061.75	88.88	6060.95	1.00	0.88	-0.47	-27.93	94.00	6214.50	534293.34	763466.08	32° 28' 0.392" N	103° 36' 47.150" W	0.84	-10.90	-7.45
16597.00	90.24	358.53	10067.22	6155.68	85.46	6154.91	1.53	0.80	1.31	58.63	94.00	6214.72	534387.27	763462.66	32° 28' 1.322" N	103° 36' 47.183" W	0.80	-10.23	-10.17
16692.00	90.64	359.06	10066.49	6250.66	83.46	6249.90	0.70	0.42	0.56	52.95	95.00	6213.99	534482.25	763460.67	32° 28' 2.262" N	103° 36' 47.199" W	0.77	-8.60	-11.46
16786.00	90.86	359.32	10065.26	6344.64	82.13	6343.89	0.36	0.23	0.28	49.76	94.00	6212.76	534576.23	763459.34	32° 28' 3.192" N	103° 36' 47.207" W	0.74	-6.48	-12.09
16881.00	90.33	0.38	10064.27	6439.63	81.89	6438.88	1.25	-0.56	1.12	116.56	95.00	6211.77	534671.22	763459.09	32° 28' 4.132" N	103° 36' 47.202" W	0.73	-4.59	-11.63
16976.00	89.93	0.82	10064.06	6534.63	82.88	6533.87	0.63	-0.42	0.46	132.27	95.00	6211.56	534766.22	763460.08	32° 28' 5.072" N	103° 36' 47.183" W	0.73	-3.48	-9.93
17070.00	89.80	0.73	10064.28	6628.62	84.15	6627.84	0.17	-0.14	-0.10	-145.31	94.00								

17920.00	92.13	357.56	10062.78	7478.32	80.14	7477.56	0.92	0.79	-0.46	-30.38	95.00	6210.28	535709.92	763457.35	32° 28' 14.410" N	103° 36' 47.141" W	0.61	6.76	-5.63
18014.00	92.90	357.04	10058.66	7572.13	75.72	7571.39	0.99	0.82	-0.55	-34.00	94.00	6206.16	535803.72	763452.92	32° 28' 15.338" N	103° 36' 47.185" W	0.57	11.77	-9.35
18109.00	93.58	356.60	10053.29	7666.83	70.46	7666.13	0.85	0.72	-0.46	-32.85	95.00	6200.79	535898.42	763447.66	32° 28' 16.275" N	103° 36' 47.239" W	0.53	18.04	-13.91
18152.00	93.85	356.51	10050.50	7709.66	67.88	7708.98	0.66	0.63	-0.21	-18.40	43.00	6198.00	535941.25	763445.08	32° 28' 16.699" N	103° 36' 47.266" W	0.50	21.23	-16.17

		Job #		30-025-49940		Operator:		Advance Energy Partners					
		API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa					
		Report #		1		Well:		Dagger State Com 304H					
		Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W					
		Rig:		Nabor X49		County / State:		Lea / New Mexico					
		Date:		06/08/2022		Report Time:		00:00-24:00					
		Daily Cost(\$):				Well Cost(\$):							
		24hr Summary:											
24hr Lookahead:													
Drilling Summary		24Hr ()		Run ()		Casing Data		Fluids					
Start Depth (Usft):				Csg Shoe MD(Usft):		600:		PV:					
End Depth (Usft):				OD (in):		300:		YP:					
Total Drilled (Usft):				Weight (lbs/ft):		200:		Viscosity:					
Slide Drilled (Usft):						100:		Chlorides:					
Rotary Drilled (Usft):						6:		% Sand/Solids:					
Drlg/Circ Hrs:				Bit Details		3:		Oil/Water:					
Slide Drilling Hrs:				SN:		10s Gel:		Weight (ppg):					
Rotary Drilling Hrs:				Bit #		PH / Temp(F)		Mud Type:					
ROP Rot/Slide (Usft/hr):				OD (in) / TFA:									
BRT Hrs:				Grade In:									
% Slide:				Grade Out:									
% Rotary:				Make / Model:									
Personnel													
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man					
								Fourth Man					
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	0	0	0	0	0	0	0	0	0	0	0	0
Run	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Data													
Tool		SN		Type		Version		MWD Details		Battery Details			
Pulser								Orifice		Plug In Date			
Driver								Orifice Type		Plug In Time			
Directional								Pulse Width		Plug Out Date			
Battery 1								Data Rate		Plug Out Time			
Battery 2								EM Power		Plug In Hrs Tot			
Battery 3								EM Freq		Plug In Hrs Day			
Gamma								Fin Size (in)		Circ Hrs Total			
Helix								Non Mag Above/Below		Circ Hours Day			
								Total Field		Agitator			
								Dip Angle		Agitator SN			
								Declination		Agitator->Bit			
								Grid Convergence					
								Total Correction					
								North Ref		GRID			
Daily Activity													
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description			
06/08/2022	00:00	24:00	24	0	0	0	INTERME DIATE 1		1B	Rigging up			

Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940			Operator:		Advance Energy Partners				
				API Job # / AFE #		30-025-49940 / NM0230			Field:		Hat Mesa				
				Report #		2			Well:		Dagger State Com 304H				
				Latitude:		32° 27' 0.418" N			Longitude:		103° 36' 48.665" W				
				Rig:		Nabor X49			County / State:		Lea / New Mexico				
				Date:		06/09/2022			Report Time:		00:00-24:00				
				Daily Cost(\$):					Well Cost(\$):						
				24hr Summary:											
24hr Lookahead:															
Drilling Summary		24Hr ()		Run ()		Casing Data				Fluids					
Start Depth (Usft):						Csg Shoe MD(Usft):				600:				PV:	
End Depth (Usft):						OD (in):				300:				YP:	
Total Drilled (Usft):						Weight (lbs/ft):				200:				Viscosity:	
Slide Drilled (Usft):										100:				Chlorides:	
Rotary Drilled (Usft):										6:				% Sand/Solids:	
Drlg/Circ Hrs:						Bit Details				3:				Oil/Water:	
Slide Drilling Hrs:						SN:				10s Gel:				Weight (ppg):	
Rotary Drilling Hrs:						Bit #				PH / Temp(F)				Mud Type:	
ROP Rot/Slide (Usft/hr):						OD (in) / TFA:									
BRT Hrs:						Grade In:									
% Slide:						Grade Out:									
% Rotary:						Make / Model:									
Personnel															
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher			
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man					
Drilling Parameters															
	ROP		WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF	
	(Usft/hr)		(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)	
24 Hrs	0		0	0	0	0	0	0	0	0	0	0	0	0	
Run	0		0	0	0	0	0	0	0	0	0	0	0	0	
MWD Data															
Tool		SN		Type	Version	MWD Details				Battery Details					
Pulser						Orifice				Plug In Date					
Driver						Orifice Type				Plug In Time					
Directional						Pulse Width				Plug Out Date					
Battery 1						Data Rate				Plug Out Time					
Battery 2						EM Power				Plug In Hrs Tot					
Battery 3						EM Freq				Plug In Hrs Day					
Gamma						Fin Size (in)				Circ Hrs Total					
Helix						Non Mag Above/Below				Circ Hours Day					
						Total Field				Agitator					
						Dip Angle				Agitator SN					
						Declination				Agitator->Bit					
						Grid Convergence									
						Total Correction									
						North Ref				GRID					
Daily Activity															
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description					
06/09/2022	00:00	06:00	6	0	0	0	INTERME DIATE 1		1B	Rigging up to spud					
06/09/2022	06:00	24:00	18	0	0	0	INTERME DIATE 1		15A	Test 10k Stack					
Well Seeker PRO 2.0.8.18 - Ameredev															

				Job #		30-025-49940		Operator:		Advance Energy Partners																	
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa																	
				Report #		3		Well:		Dagger State Com 304H																	
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W																	
				Rig:		Nabor X49		County / State:		Lea / New Mexico																	
				Date:		06/10/2022		Report Time:		00:00-24:00																	
				Daily Cost(\$):				Well Cost(\$):																			
				24hr Summary:																							
24hr Lookahead:																											
Drilling Summary		24Hr (BHA 1)		Run (BHA 1)		Casing Data				Fluids																	
Start Depth (Usft):		1554		1554		Csg Shoe MD(Usft):				600:				PV:													
End Depth (Usft):		1994		1994		OD (in):				300:				YP:													
Total Drilled (Usft):		440		440		Weight (lbs/ft):				200:				Viscosity:													
Slide Drilled (Usft):		24		24						100:				Chlorides:													
Rotary Drilled (Usft):		416		416						6:				% Sand/Solids:													
Drlg/Circ Hrs:		5.00 / 0.00		5.00 / 0.00		Bit Details				3:				Oil/Water:													
Slide Drilling Hrs:		0.42		0.42		SN:		61480		10s Gel:				Weight (ppg):													
Rotary Drilling Hrs:		4.58		4.58		Bit #		1		PH / Temp(F)				Mud Type:													
ROP Rot/Slide (Usft/hr):		90.76 / 57.60		90.76 / 57.60		OD (in) / TFA:		12.250 / 1.167																			
BRT Hrs:		13.5		13.5		Grade In:		New																			
% Slide:		5.45		5.45		Grade Out:		1-3-BT-G-X-I-CT-TD																			
% Rotary:		94.55		94.55		Make / Model:		Ultrerra / WAV616																			
Personnel																											
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher															
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man																	
BHA Details																											
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)											
Ultrerra WAV616 - 1.17 (9x13)				12.25										1.5		1.5											
8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" NBS				8								199		35.57		37.07											
11 3/4" STABILIZER				11.75		3.25						150		4.12		41.19											
NM UBHO				8		3.25						150		3.51		44.7											
NMDC				8		3.25						150		27.87		72.57											
NMDC				8		3.25						150		28.67		101.24											
CROSSOVER CET54 B X 6 5/8 REG P				8		2.75						150		3.5		104.74											
24 Jts of CET54 HWDP				5.5		3.875						46		731.51		836.25											
CROSSOVER CET43 B X CET54 P				8		2.75								3.48		839.73											
																839.73											
Motor Details																											
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing													
XSH80014		Intrepid		Interceptor		7/8		5.99		1.75		0.15		FBH													
Survey Data																											
MD (Usft)		INC		AZI		TVD (Usft)		NS (Usft)		EW (Usft)		DLS (°/100ft)		TFO		VS (Usft)		BR (°/100ft)		TR (°/100ft)		CL (Usft)					
1514		0.14		288.72		1513.9		-4.9		3.67		0.29		-127.9		-4.93		0.06		0		62					
1625		0.31		59.26		1624.9		-4.7		3.79		0.37		145.4		-4.73		0.15		0		111					
1720		0.48		166.31		1719.9		-4.96		4.11		0.68		134.49		-4.99		0.18		0		95					
1815		1.14		174.75		1814.89		-6.29		4.29		0.7		14.49		-6.32		0.69		0		95					
1908		0.97		153.75		1907.87		-7.91		4.72		0.45		-123.99		-7.95		-0.18		0		93					
Drilling Parameters																											
		ROP		WOB		RPM		RPM DH		FLOW		SPP ON		SPP OFF		SPM		PU		ROT		SO		TQ ON		TQ OFF	
		(Usft/hr)		(klbs)						(gpm)		(psi)		(psi)				(klbs)		(klbs)		(klbs)		(kftlbs)		(kftlbs)	
24 Hrs		88.18		0		0		0		0		0		0		0		0		0		0		0		0	
Run		88.18		0		0		0		0		0		0		0		0		0		0		0		0	
MWD Data																											
Tool		SN		Type		Version		MWD Details				Battery Details															
Pulser								Orifice				Plug In Date															
Driver								Orifice Type				Plug In Time															
Directional								Pulse Width				Plug Out Date															
Battery 1								Data Rate				Plug Out Time															
Battery 2								EM Power				Plug In Hrs Tot															
Battery 3								EM Freq				Plug In Hrs Day															
Gamma								Fin Size (in)				Circ Hrs Total															
Helix								Non Mag Above/Below				0.00 / 26.31		Circ Hours Day		0											
								Total Field				47577.36		Agitator													
								Dip Angle				60.199		Agitator SN													
								Declination				6.474		Agitator->Bit													
								Grid Convergence				0.386															
								Total Correction				6.088															
								North Ref				GRID															
Daily Activity																											
Date		From		To		Hrs		Start (Usft)		End (Usft)		CL		Phase		BHA		Code		Description							
06/10/2022		00:00		01:00		1		1554		1554		0		INTERME DIATE 1				15A		Test Bop.							
06/10/2022		01:00		07:00		6		1554		1554		0		INTERME DIATE 1				8P		Work on Kelly hose connection that leak while testing							
06/10/2022		07:00		08:00		1		1554		1554		0		INTERME DIATE 1				24A		Install Wear Bushing							
06/10/2022		08:00		10:30		2.5		1554		1554		0		INTERME DIATE 1		1: BHA 1		60		p/u BHA #1							
06/10/2022		10:30		17:00		6.5		1554		1554		0		INTERME DIATE 1		1: BHA 1		6A		Trip in Hole & p/u Drill Pipe							

06/10/2022	17:00	19:00	2	1554	1554	0	INTERME DIATE 1	1: BHA 1	24A	Remove Trip Nipple, Install Rotating Head & Lines
06/10/2022	19:00	20:15	1.25	1554	1554	0	INTERME DIATE 1	1: BHA 1	2A	Drill Shoe Track
06/10/2022	20:15	21:30	1.25	1554	1631	77	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/1554.00 t/1631.00, w/WOB 25.00,Flow 400.00, RPM 20.00, Press 650.00, Tq 6.00, ROP 61.60, Diff 100.00
06/10/2022	21:30	22:15	0.75	1631	1705	74	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/1631.00 t/1705.00, w/WOB 35.00,Flow 750.00, RPM 50.00, Press 2450.00, Tq 12.50, ROP 98.67, Diff 1050.00
06/10/2022	22:15	22:35	0.33	1705	1725	20	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/1705.00 t/1725.00, TF G, w/WOB 15.00,Flow 750.00, Press 1700.00, Tq 12.50, ROP 60.00, Diff 300.00
06/10/2022	22:35	23:55	1.33	1725	1990	265	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/1725.00 t/1990.00, w/WOB 35.00,Flow 900.00, RPM 50.00, Press 2800.00, Tq 12.50, ROP 198.75, Diff 700.00
06/10/2022	23:55	24:00	0.08	1990	1994	4	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/1990.00 t/1994.00, TF G, w/WOB 15.00,Flow 887, Press 2450.00, Tq 12.50, ROP 48.00, Diff 350.00
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #	30-025-49940		Operator:	Advance Energy Partners								
		API Job # / AFE #	30-025-49940 / NM0230		Field:	Hat Mesa								
		Report #	4		Well:	Dagger State Com 304H								
		Latitude:	32° 27' 0.418" N		Longitude:	103° 36' 48.665" W								
		Rig:	Nabor X49		County / State:	Lea / New Mexico								
		Date:	06/11/2022		Report Time:	00:00-24:00								
		Daily Cost(\$):			Well Cost(\$):									
		24hr Summary:												
24hr Lookahead:														
Drilling Summary	24Hr (BHA 1)	Run (BHA 1)	Casing Data			Fluids								
Start Depth (Usft):	1994	1554	Csg Shoe MD(Usft):			600:	8	PV:	3					
End Depth (Usft):	3750	3750	OD (in):			300:	5	YP:	2					
Total Drilled (Usft):	1756	2196	Weight (lbs/ft):			200:	4	Viscosity:	28					
Slide Drilled (Usft):	143	167				100:	3	Chlorides:	175000					
Rotary Drilled (Usft):	1613	2029				6:	2	% Sand/Solids:	0.00 / 2.34					
Drig/Circ Hrs:	11.25 / 2.33	16.25 / 2.33	Bit Details			3:	1	Oil/Water:	0/100					
Slide Drilling Hrs:	3.67	4.08	SN:	61480		10s Gel:	2	Weight (ppg):	10					
Rotary Drilling Hrs:	7.58	12.17	Bit #	1		PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM					
ROP Rot/Slide (Usft/hr):	212.70 / 39.00	166.77 / 40.90	OD (in) / TFA:	12.250 / 1.167										
BRT Hrs:	24	36.5	Grade In:	New										
% Slide:	8.14	7.6	Grade Out:	1-3-BT-G-X-I-CT-TD										
% Rotary:	91.86	92.4	Make / Model:	Ulterra / WAV616										
Personnel														
Company Man	Directional Driller	MWD Engineer	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher								
Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man									
BHA Details														
Description		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)	Total Length (Usft)						
Ulterra WAV616 - 1.17 (9x13)		12.25					1.5	1.5						
8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" NBS		8				199	35.57	37.07						
11 3/4" STABILIZER		11.75	3.25			150	4.12	41.19						
NM UBHO		8	3.25			150	3.51	44.7						
NMDC		8	3.25			150	27.87	72.57						
NMDC		8	3.25			150	28.67	101.24						
CROSSOVER CET54 B X 6 5/8 REG P		8	2.75			150	3.5	104.74						
24 Jts of CET54 HWDP		5.5	3.875			46	731.51	836.25						
CROSSOVER CET43 B X CET54 P		8	2.75				3.48	839.73						
								839.73						
Motor Details														
SN		Make	Model	Lobes	Bit to Bend(Usft)	Bend Angle	Rev Per Gal	Housing						
XSH80014		Intrepid	Interceptor	7/8	5.99	1.75	0.15	FBH						
Survey Data														
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)			
2003	1.27	194.88	2002.86	-9.65	4.81	0.88	90.92	-9.69	0.32	0	95			
2098	2.15	207.36	2097.81	-12.25	3.72	1	29.26	-12.28	0.93	0	95			
2192	2.11	192.86	2191.75	-15.5	2.52	0.57	-101.47	-15.52	-0.04	-15.43	94			
2287	1.89	198.83	2286.69	-18.69	1.63	0.32	139.52	-18.7	-0.23	6.28	95			
2382	1.85	183.54	2381.64	-21.71	1.03	0.53	-102.2	-21.71	-0.04	-16.09	95			
2476	1.41	192.15	2475.6	-24.35	0.69	0.53	155.16	-24.35	-0.47	9.16	94			
2571	1.05	189.34	2570.58	-26.35	0.3	0.38	-171.89	-26.35	-0.38	0	95			
2665	0.92	153.39	2664.57	-27.88	0.5	0.66	-119.47	-27.88	-0.14	0	94			
2760	1.19	152.78	2759.55	-29.44	1.3	0.28	-2.69	-29.44	0.28	0	95			
2854	1.89	152.34	2853.52	-31.68	2.46	0.74	-1.19	-31.69	0.74	0	94			
2948	3.38	156.21	2947.42	-35.59	4.3	1.6	8.75	-35.62	1.59	4.12	94			
3042	4.84	161.3	3041.17	-41.88	6.69	1.6	16.58	-41.92	1.55	5.41	94			
3137	5.81	165.99	3135.76	-50.34	9.14	1.12	26.51	-50.4	1.02	4.94	95			
3232	5.54	153.75	3230.3	-59.12	12.33	1.3	-108.62	-59.2	-0.28	-12.88	95			
3326	5.54	154.54	3323.86	-67.28	16.29	0.08	90.39	-67.4	0	0.84	94			
3420	5.54	164.91	3417.42	-75.76	19.42	1.06	95.16	-75.9	0	11.03	94			
3515	5.89	169.48	3511.95	-84.98	21.5	0.6	54.72	-85.13	0.37	4.81	95			
3610	5.23	170.53	3606.5	-94.05	23.11	0.7	171.76	-94.21	-0.69	1.11	95			
3684	5.01	170.8	3680.21	-100.56	24.18	0.3	173.88	-100.73	-0.3	0.36	74			
Drilling Parameters														
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF	
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)	
24 Hrs	156.09	27.83	50	183	887	2850	2327.78	0	124.44	121.67	113.33	14.09	0	
Run	135.14	27.22	47.86	176	854.48	2667.39	2150	0	120.22	118.04	111.52	13.29	0	
MWD Data														
Tool	SN	Type	Version	MWD Details				Battery Details						
Pulser				Orifice				Plug In Date						
Driver				Orifice Type				Plug In Time						
Directional				Pulse Width				Plug Out Date						
Battery 1				Data Rate				Plug Out Time						
Battery 2				EM Power				Plug In Hrs Tot				0		
Battery 3				EM Freq				Plug In Hrs Day				0		
Gamma				Fin Size (in)				Circ Hrs Total				2.333333333		
Helix				Non Mag Above/Below				0.00 / 26.31		Circ Hours Day				0
				Total Field				47577.36		Agitator				
				Dip Angle				60.199		Agitator SN				
				Declination				6.474		Agitator->Bit				

						Grid Convergence	0.386			
						Total Correction	6.088			
						North Ref	GRID			
Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/11/2022	00:00	00:15	0.25	1994	2010	16	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/1994.00 t/2010.00, TF 0.0G, w/WOB 15,Flow 887, Press 2450.00, Tq 12.50, ROP 64.00, Diff 350.00
06/11/2022	00:15	03:02	2.78	2010	2720	710	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/2010.00 t/2720.00, w/WOB 35.00,Flow 887, RPM 50.00, Press 2450.00, Tq 12.50, ROP 255.09, Diff 350.00
06/11/2022	03:02	03:10	0.13	2720	2740	20	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/2010.00 t/2740.00, w/WOB 35.00,Flow 887.00, RPM 50.00, Press 3100.00, Tq 12.50, ROP 5475.00, Diff 1000.00
06/11/2022	03:10	03:35	0.42	2740	2755	15	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/2740.00 t/2755.00, TF M, w/WOB 15.00,Flow 887.00, Press 2450.00, Tq 0, ROP 36.00, Diff 350.00
06/11/2022	03:35	04:20	0.75	2755	2847	92	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/2755.00 t/2847.00, w/WOB 35.00,Flow 887.00, RPM 50.00, Press 3100.00, Tq 12.50, ROP 122.67, Diff 800.00
06/11/2022	04:20	04:45	0.42	2847	2868	21	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/2847.00 t/2868.00, TF M, w/WOB 15.00,Flow 887.00, Press 2600.00, Tq 0, ROP 50.40, Diff 300.00
06/11/2022	04:45	04:50	0.08	2868	2868	0	INTERME DIATE 1	1: BHA 1	10D	Survey & Connection
06/11/2022	04:50	05:05	0.25	2868	2931	63	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/2868.00 t/2931.00, w/WOB 35.00,Flow 887.00, RPM 50.00, Press 3200.00, Tq 12.50, ROP 252.00, Diff 900.00
06/11/2022	05:05	05:50	0.75	2931	2951	20	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/2931.00 t/2951.00, TF M, w/WOB 15.00,Flow 887.00, Press 2600.00, Tq 0, ROP 26.67, Diff 300.00
06/11/2022	05:50	06:15	0.42	2951	3026	75	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/2951.00 t/3026.00, w/WOB 35,Flow 887.00, RPM 50.00, Press 3000, Tq 12.5, ROP 180.00, Diff 600.00
06/11/2022	06:15	06:20	0.08	3026	3026	0	INTERME DIATE 1	1: BHA 1	10D	Survey & Connection
06/11/2022	06:20	06:50	0.5	3026	3046	20	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/3026.00 t/3046.00, TF 175M, w/WOB 15.00,Flow 887.00, Press 2600, Tq 0, ROP 40.00, Diff 200.00
06/11/2022	06:50	07:15	0.42	3046	3148	102	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3046.00 t/3148.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 244.80, Diff 600.00
06/11/2022	07:15	07:35	0.33	3148	3148	0	INTERME DIATE 1	1: BHA 1	10D	Survey & Connection (MWD Lost Connection, Reboot Surface Computers)
06/11/2022	07:35	07:50	0.25	3148	3219	71	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3148.00 t/3219.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 284.00, Diff 600.00
06/11/2022	07:50	08:10	0.33	3219	3219	0	INTERME DIATE 1	1: BHA 1	10D	Survey & Connection (Reshoot Survey Bad Azimuth)
06/11/2022	08:10	08:35	0.42	3219	3313	94	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3219.00 t/3313.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 225.60, Diff 600.00
06/11/2022	08:35	09:25	0.83	3313	3338	25	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/3313.00 t/3338.00, TF 240M, w/WOB 10,Flow 887.00, Press 2600, Tq 0, ROP 30.00, Diff 200.00
06/11/2022	09:25	09:45	0.33	3338	3415	77	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3338.00 t/3415.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 231.00, Diff 600.00
06/11/2022	09:45	10:20	0.58	3415	3415	0	INTERME DIATE 1	1: BHA 1	10D	Survey & Connection Reshoot Survey & Mud Pump Pop Off Valve)
06/11/2022	10:20	10:50	0.5	3415	3441	26	INTERME DIATE 1	1: BHA 1	2J	Slide Drill f/3415.00 t/3441.00, TF 80M, w/WOB 10,Flow 887.00, Press 2600, Tq 0, ROP 52.00, Diff 200.00
06/11/2022	10:50	11:05	0.25	3441	3487	46	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3441.00 t/3487.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 184.00, Diff 600.00
06/11/2022	11:05	13:00	1.92	3487	3487	0	INTERME DIATE 1	1: BHA 1	8P	Rig Service & Top Drive Repair Back Up Wrench
06/11/2022	13:00	13:50	0.83	3487	3616	129	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3487.00 t/3616.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 154.80, Diff 600.00
06/11/2022	13:50	14:20	0.5	3616	3616	0	INTERME DIATE 1	1: BHA 1	10D	Survey & Connection (Rig Shut Down Due to Gen Running Hot)
06/11/2022	14:20	15:05	0.75	3616	3750	134	INTERME DIATE 1	1: BHA 1	2K	Rotary Drill f/3616.00 t/3750.00, w/WOB 38,Flow 887.00, RPM 50, Press 3000, Tq 15, ROP 178.67, Diff 600.00
06/11/2022	15:05	17:25	2.33	3750	3750	0	INTERME DIATE 1	1: BHA 1	5A	Circulate Hole Clean
06/11/2022	17:25	21:45	4.33	3750	3750	0	INTERME DIATE 1	1: BHA 1	6B	POOH to Run casing
06/11/2022	21:45	23:00	1.25	3750	3750	0	INTERME DIATE 1	1: BHA 1	6P	L/D BHA
06/11/2022	23:00	24:00	1	3750	3750	0	INTERME DIATE 1	1: BHA 1	24A	Rig up casing equipment
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #		30-025-49940		Operator:		Advance Energy Partners									
		API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa									
		Report #		5		Well:		Dagger State Com 304H									
		Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W									
		Rig:		Nabor X49		County / State:		Lea / New Mexico									
		Date:		06/12/2022		Report Time:		00:00-24:00									
		Daily Cost(\$):				Well Cost(\$):											
		24hr Summary:		Casing operations, p/u 9 7/8 inch hole size bha													
		24hr Lookahead:		Drill out cement and shoe track and drill in intermediat section as per plan													
Drilling Summary		24Hr (BHA 2)		Run (BHA 2)		Casing Data		Fluids									
Start Depth (Usft):		3750		3750		Csg Shoe MD(Usft):		600:		8	PV:		3				
End Depth (Usft):		3750		3750		OD (in):		300:		5	YP:		2				
Total Drilled (Usft):						Weight (lbs/ft):		200:		4	Viscosity:		28				
Slide Drilled (Usft):								100:		3	Chlorides:		175000				
Rotary Drilled (Usft):								6:		2	% Sand/Solids:		0.00 / 2.34				
Drlg/Circ Hrs:						Bit Details		3:		1	Oil/Water:		0/100				
Slide Drilling Hrs:						SN:		61480		10s Gel:	2	Weight (ppg):		10			
Rotary Drilling Hrs:						Bit #		1		PH / Temp(F)	7.0 / 0.00	Mud Type:		WBM			
ROP Rot/Slide (Usft/hr):						OD (in) / TFA:		12.250 / 1.167									
BRT Hrs:		6.25		6.25		Grade In:		New									
% Slide:						Grade Out:		1-3-BT-G-X-I-CT-TD									
% Rotary:						Make / Model:		Ulterra / WAV616									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Ulterra WAV616 - 1.17 (9x13)				12.25										1.5		1.5	
8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" NBS				8								199		35.57		37.07	
11 3/4" STABILIZER				11.75		3.25						150		4.12		41.19	
NM UBHO				8		3.25						150		3.51		44.7	
NMDC				8		3.25						150		27.87		72.57	
NMDC				8		3.25						150		28.67		101.24	
CROSSOVER CET54 B X 6 5/8 REG P				8		2.75						150		3.5		104.74	
24 Jts of CET54 HWD P				5.5		3.875						46		731.51		836.25	
CROSSOVER CET43 B X CET54 P				8		2.75								3.48		839.73	
																839.73	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSH80014		Intrepid		Interceptor		7/8		5.99		1.75		0.15		FBH			
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF				
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)				
24 Hrs	0	27.83	50	183	887	2850	2327.78	0	124.44	121.67	113.33	14.09	0				
Run	135.14	27.22	47.86	176	854.48	2667.39	2150	0	120.22	118.04	111.52	13.29	0				
MWD Data																	
Tool		SN		Type		Version		MWD Details		Battery Details							
Pulser								Orifice		Plug In Date							
Driver								Orifice Type		Plug In Time							
Directional								Pulse Width		Plug Out Date							
Battery 1								Data Rate		Plug Out Time							
Battery 2								EM Power		Plug In Hrs Tot							
Battery 3								EM Freq		Plug In Hrs Day							
Gamma								Fin Size (in)		Circ Hrs Total							
Helix								Non Mag Above/Below		0.00 / 26.31		Circ Hours Day					
								Total Field		47577.36		Agitator					
								Dip Angle		60.199		Agitator SN					
								Declination		6.474		Agitator->Bit					
								Grid Convergence		0.386							
								Total Correction		6.088							
								North Ref		GRID							
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/12/2022	00:00	01:00	1	3750	3750	0	INTERME DIATE 1	1: BHA 1	24A	Rig up casing equipment							
06/12/2022	01:00	08:15	7.25	3750	3750	0	INTERME DIATE 1	1: BHA 1	12B	Run casing							
06/12/2022	08:15	16:45	8.5	3750	3750	0	INTERME DIATE 1	1: BHA 1	24A	Cementing Operations							
06/12/2022	16:45	17:45	1	3750	3750	0	INTERME DIATE 1	2: BHA 2	60	Pick Up Tools & Rack in Derrick							
06/12/2022	17:45	22:40	4.92	3750	3750	0	INTERME DIATE 1	2: BHA 2	24A	Work on rig and wait on wear bushing							
06/12/2022	22:40	24:00	1.33	3750	3750	0	INTERME DIATE 1	2: BHA 2	6A	Trip in hole with bha 2							
Well Seeker PRO 2.0.8.18 - Ameredeve																	

				Job #		30-025-49940		Operator:		Advance Energy Partners							
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa							
				Report #		6		Well:		Dagger State Com 304H							
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W							
				Rig:		Nabor X49		County / State:		Lea / New Mexico							
				Date:		06/13/2022		Report Time:		00:00-24:00							
				Daily Cost(\$):				Well Cost(\$):									
				24hr Summary:		Drill ahead as per plan holding tangent											
				24hr Lookahead:		TD Section and run intermediate casing											
Drilling Summary		24Hr (BHA 2)		Run (BHA 2)		Casing Data		Fluids									
Start Depth (Usft):		3750		3750		Csg Shoe MD(Usft):		600:	8	PV:	3						
End Depth (Usft):		4926		4926		OD (in):		300:	5	YP:	2						
Total Drilled (Usft):		1176		1176		Weight (lbs/ft):		200:	4	Viscosity:	28						
Slide Drilled (Usft):		53		53				100:	3	Chlorides:	175000						
Rotary Drilled (Usft):		1123		1123				6:	2	% Sand/Solids:	0.00 / 2.34						
Drig/Circ Hrs:		8.83 / 2.92		8.83 / 2.92		Bit Details		3:	1	Oil/Water:	0/100						
Slide Drilling Hrs:		1.5		1.5		SN:		10s Gel:	2	Weight (ppg):	10						
Rotary Drilling Hrs:		7.33		7.33		Bit #		PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM						
ROP Rot/Slide (Usft/hr):		153.14 / 35.33		153.14 / 35.33		OD (in) / TFA:		9.875 / 1.052									
BRT Hrs:		24		30.25		Grade In:		New									
% Slide:		4.51		4.51		Grade Out:		1-1-NO-A-X-I-NO-TD									
% Rotary:		95.49		95.49		Make / Model:		Varel / Vion-616									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist							
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Varel Vion-616 - 1.05 (3x13, 6x12)				9.875										1.5		1.5	
8" Motor 7/8 5.9 FBH @1.50deg w/ SS				8								199		35.7		37.2	
NM UBHO				8		3.25						150		3.51		40.71	
NMDC				8		3.25						150		27.87		68.58	
NMDC				8		3.25						150		28.67		97.25	
CROSSOVER CET54 B X 6 5/8 REG P				8		2.75						150		3.5		100.75	
24 Jts of CET54 HWDP				5.5		3.875						46		731.51		832.26	
CROSSOVER CET43 B X CET54 P				8		2.75								3.48		835.74	
																835.74	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSH80028						7/8		5.99		1.75		0.15		FBH			
Survey Data																	
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)						
3799	4.62	169.39	3794.8	-110.07	25.83	0.35	-163.82	-110.25	-0.34	-1.23	115						
3899	4.09	168.42	3894.51	-117.52	27.29	0.54	-172.57	-117.72	-0.53	-0.97	100						
4083	3.65	168.69	4078.09	-129.69	29.76	0.24	177.76	-129.9	-0.24	0.15	184						
4272	5.71	163.68	4266.45	-144.62	33.58	1.11	-13.73	-144.86	1.09	-2.65	189						
4461	5.27	155.68	4454.59	-161.55	39.79	0.47	-123.84	-161.83	-0.23	-4.23	189						
4555	6.29	160.69	4548.11	-170.35	43.28	1.21	28.83	-170.65	1.09	5.33	94						
4650	6.77	159.99	4642.49	-180.52	46.91	0.51	-9.76	-180.85	0.51	-0.74	95						
4744	6.77	158.05	4735.84	-190.86	50.88	0.24	-90.96	-191.22	0	-2.06	94						
4839	7.25	163.15	4830.13	-201.79	54.71	0.83	54.91	-202.18	0.51	5.37	95						
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF				
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)				
24 Hrs	133.33	33.57	35.71	144	721.43	1792.86	1442.86	0	150	140	130	10.43	0				
Run	133.33	33.57	35.71	144	721.43	1792.86	1442.86	0	150	140	130	10.43	0				
MWD Data																	
Tool	SN	Type	Version	MWD Details				Battery Details									
Pulser				Orifice				Plug In Date									
Driver				Orifice Type				Plug In Time									
Directional				Pulse Width				Plug Out Date									
Battery 1				Data Rate				Plug Out Time									
Battery 2				EM Power				Plug In Hrs Tot									
Battery 3				EM Freq				Plug In Hrs Day									
Gamma				Fin Size (in)				Circ Hrs Total									
Helix				Non Mag Above/Below				0.00 / 26.31		Circ Hours Day							
				Total Field				47577.36		Agitator							
				Dip Angle				60.199		Agitator SN							
				Declination				6.474		Agitator->Bit							
				Grid Convergence				0.386									
				Total Correction				6.088									
				North Ref				GRID									
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/13/2022	00:00	10:00	10	3750	3750	0	INTERME DIATE 2	2: BHA 2	24A	Clean Mud Tank Pits							
06/13/2022	10:00	11:05	1.08	3750	3750	0	INTERME DIATE 1	2: BHA 2	5A	Drill Plug, Float, Cement, Shoe & Rathole							
06/13/2022	11:05	11:40	0.58	3750	3767	17	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/3750.00 t/3767.00, w/WOB 15,Flow 400, RPM 20, Press 750, Ta 6, ROP 29.14, Diff 250.00							

06/13/2022	11:40	11:50	0.17	3767	3767	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	11:50	12:25	0.58	3767	3807	40	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/3767.00 t/3807.00, w/WOB 20,Flow 500, RPM 30, Press 1000, Tq 7, ROP 68.57, Diff 200.00
06/13/2022	12:25	12:45	0.33	3807	3861	54	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/3807.00 t/3861.00, w/WOB 40,Flow 700, RPM 40, Press 2000, Tq 12, ROP 162.00, Diff 500.00
06/13/2022	12:45	12:55	0.17	3861	3861	0	INTERME DIATE 1	2: BHA 2	10D	Accumulated Survey & Connection
06/13/2022	12:55	13:05	0.17	3861	3900	39	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/3861.00 t/3900.00, w/WOB 40,Flow 900, RPM 40, Press 2900, Tq 12, ROP 234.00, Diff 500.00
06/13/2022	13:05	13:30	0.42	3900	3900	0	INTERME DIATE 1	2: BHA 2	8A	Fix O Ring on Vibration Line
06/13/2022	13:30	13:40	0.17	3900	3945	45	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/3900.00 t/3945.00, w/WOB 40,Flow 900, RPM 40, Press 2900, Tq 12, ROP 0.00, Diff 500.00
06/13/2022	13:40	13:55	0.25	3945	3945	0	INTERME DIATE 1	2: BHA 2	10D	Recycle Pumps for MWD
06/13/2022	13:55	14:10	0.25	3945	4001	56	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/3945.00 t/4001.00, w/WOB 40,Flow 900, RPM 40, Press 2900, Tq 12, ROP 224.00, Diff 500.00
06/13/2022	14:10	16:00	1.83	4001	4001	0	INTERME DIATE 1	2: BHA 2	5A	Fill Mud Tanks w/Drilling Fluid
06/13/2022	16:00	17:10	1.17	4001	4157	156	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4001.00 t/4157.00, w/WOB 40,Flow 750, RPM 40, Press 1850, Tq 12, ROP 133.71, Diff 550.00
06/13/2022	17:10	17:30	0.33	4157	4157	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	17:30	18:05	0.58	4157	4177	20	INTERME DIATE 1	2: BHA 2	2J	Slide Drill f/4157.00 t/4177.00, TF 165M, w/WOB 40,Flow 750, Press , Tq 12, ROP 34.29
06/13/2022	18:05	19:25	1.33	4177	4332	155	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4177.00 t/4332.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 116.25
06/13/2022	19:25	19:35	0.17	4332	4332	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	19:35	20:00	0.42	4332	4427	95	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4332.00 t/4427.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 228.00
06/13/2022	20:00	20:10	0.17	4427	4427	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	20:10	20:35	0.42	4427	4524	97	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4427.00 t/4524.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 232.80
06/13/2022	20:35	20:40	0.08	4524	4524	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	20:40	20:55	0.25	4524	4531	7	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4524.00 t/4531.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 28.00
06/13/2022	20:55	21:15	0.33	4531	4547	16	INTERME DIATE 1	2: BHA 2	2J	Slide Drill f/4531.00 t/4547.00, TF 180M, w/WOB 40,Flow 750, Press , Tq 12, ROP 48.00
06/13/2022	21:15	21:30	0.25	4547	4616	69	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4547.00 t/4616.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 276.00
06/13/2022	21:30	21:40	0.17	4616	4616	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	21:40	22:05	0.42	4616	4711	95	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4616.00 t/4711.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 228.00
06/13/2022	22:05	22:15	0.17	4711	4711	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	22:15	22:35	0.33	4711	4805	94	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4711.00 t/4805.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 282.00
06/13/2022	22:35	22:45	0.17	4805	4805	0	INTERME DIATE 1	2: BHA 2	10D	Survey & Connection
06/13/2022	22:45	22:50	0.08	4805	4834	29	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4805.00 t/4834.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 348.00
06/13/2022	22:50	23:25	0.58	4834	4851	17	INTERME DIATE 1	2: BHA 2	2J	Slide Drill f/4834.00 t/4851.00, TF 250M, w/WOB 40,Flow 750, Press , Tq 12, ROP 29.14
06/13/2022	23:25	24:00	0.58	4851	4926	75	INTERME DIATE 1	2: BHA 2	2K	Rotary Drill f/4851.00 t/4926.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 128.57
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #		30-025-49940		Operator:		Advance Energy Partners									
		API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa									
		Report #		7		Well:		Dagger State Com 304H									
		Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W									
		Rig:		Nabor X49		County / State:		Lea / New Mexico									
		Date:		06/14/2022		Report Time:		00:00-24:00									
		Daily Cost(\$):				Well Cost(\$):											
		24hr Summary:		Drill Intermediate, Run 7 5/8 Casing													
		24hr Lookahead:		Cement Casing, Nipple Up & Test BOPs, Drill Ahead As Per Plan													
		Drilling Summary		24Hr (BHA 2)		Run (BHA 2)		Casing Data		Fluids							
Start Depth (Usft):		4926		3750		Csg Shoe MD(Usft):		600:		8	PV:		3				
End Depth (Usft):		5450		5450		OD (in):		300:		5	YP:		2				
Total Drilled (Usft):		524		1700		Weight (lbs/ft):		200:		4	Viscosity:		28				
Slide Drilled (Usft):		39		92				100:		3	Chlorides:		175000				
Rotary Drilled (Usft):		485		1608				6:		2	% Sand/Solids:		0.00 / 2.34				
Drlg/Circ Hrs:		3.33 / 3.92		12.17 / 6.83		Bit Details		3:		1	Oil/Water:		0/100				
Slide Drilling Hrs:		1		2.5		SN:		4013276		10s Gel:		2	Weight (ppg):	10			
Rotary Drilling Hrs:		2.33		9.67		Bit #		2		PH / Temp(F)		7.0 / 0.00	Mud Type:	WBM			
ROP Rot/Slide (Usft/hr):		207.86 / 39.00		166.34 / 36.80		OD (in) / TFA:		9.875 / 1.052									
BRT Hrs:		24		42.75		Grade In:		New									
% Slide:		7.44		5.41		Grade Out:		1-1-NO-A-X-I-NO-TD									
% Rotary:		92.56		94.59		Make / Model:		Varel / Vion-616									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Varel Vion-616 - 1.05 (3x13, 6x12)				9.875										1.5		1.5	
8" Motor 7/8 5.9 FBH @1.50deg w/ SS				8								199		35.7		37.2	
NM UBHO				8		3.25						150		3.51		40.71	
NMDC				8		3.25						150		27.87		68.58	
NMDC				8		3.25						150		28.67		97.25	
CROSSOVER CET54 B X 6 5/8 REG P				8		2.75						150		3.5		100.75	
24 Jts of CET54 HWDP				5.5		3.875						46		731.51		832.26	
CROSSOVER CET43 B X CET54 P				8		2.75								3.48		835.74	
																835.74	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSH80028						7/8		5.99		1.75		0.15		FBH			
Survey Data																	
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)		TFO	VS (Usft)	BR (°/100ft)		TR (°/100ft)		CL (Usft)			
4933	7.65	168.6	4923.34	-213.6	57.67	0.86		63.21	-214.01	0.43		5.8		94			
5027	6.55	175.19	5016.62	-225.08	59.35	1.45		146.72	-225.5	-1.17		7.01		94			
5122	5.19	175.46	5111.12	-234.76	60.15	1.43		178.97	-235.19	-1.43		0.28		95			
5217	4.92	176.25	5205.75	-243.11	60.75	0.29		165.94	-243.54	-0.28		0.83		95			
5312	5.01	172.73	5300.39	-251.29	61.54	0.33		-75.3	-251.73	0.09		-3.71		95			
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF				
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)				
24 Hrs	157.2	40	40	152	750	0	1300	0	150	140	130	12	7				
Run	139.73	38.45	38.75	150	743.1	2042.86	1375.86	0	150	140	130	11.54	7				
MWD Data																	
Tool		SN		Type	Version	MWD Details				Battery Details							
Pulser						Orifice				Plug In Date							
Driver						Orifice Type				Plug In Time							
Directional						Pulse Width				Plug Out Date							
Battery 1						Data Rate				Plug Out Time							
Battery 2						EM Power				Plug In Hrs Tot							
Battery 3						EM Freq				Plug In Hrs Day							
Gamma						Fin Size (in)				Circ Hrs Total							
Helix						Non Mag Above/Below				Circ Hours Day							
						Total Field				Agitator							
						Dip Angle				Agitator SN							
						Declination				Agitator->Bit							
						Grid Convergence											
						Total Correction											
						North Ref				GRID							
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/14/2022	00:00	00:25	0.42	4926	4996	70	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/4926.00 t/4996.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 168.00							
06/14/2022	00:25	00:35	0.17	4996	4996	0	INTERME DIATE 2	2: BHA 2	10D	Survey & Connection							
06/14/2022	00:35	00:40	0.08	4996	5005	9	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/4996.00 t/5005.00, w/WOB 40,Flow 750, RPM 40, Press , Tq 12, ROP 108.00							
06/14/2022	00:40	01:15	0.58	5005	5029	24	INTERME DIATE 2	2: BHA 2	2J	Slide Drill f/5005.00 t/5029.00, TF 315.00M, w/WOB 40.00,Flow 750.00, Press 0.00, Tq 12.00, ROP 41.14							
06/14/2022	01:15	01:30	0.25	5029	5089	60	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/5029.00 t/5089.00, w/WOB 40.00,Flow 750.00, RPM 40.00, Press 0.00, Tq 12.00, ROP 240.00							

06/14/2022	01:30	01:35	0.08	5089	5089	0	INTERME DIATE 2	2: BHA 2	10D	Survey & Connection
06/14/2022	01:35	01:45	0.17	5089	5103	14	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/5089.00 t/5103.00, w/WOB 40.00,Flow 750.00, RPM 40.00, Press 0.00, Tq 12.00, ROP 84.00
06/14/2022	01:45	02:10	0.42	5103	5118	15	INTERME DIATE 2	2: BHA 2	2J	Slide Drill f/5103.00 t/5118.00, TF 355M, w/WOB 40.00,Flow 750.00, Press 0.00, Tq 12.00, ROP 36.00
06/14/2022	02:10	02:30	0.33	5118	5183	65	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/5118.00 t/5183.00, w/WOB 40.00,Flow 750.00, RPM 40.00, Press 0.00, Tq 12.00, ROP 195.00
06/14/2022	02:30	02:40	0.17	5183	5183	0	INTERME DIATE 2	2: BHA 2	10D	Survey & Connection
06/14/2022	02:40	03:05	0.42	5183	5280	97	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/5183.00 t/5280.00, w/WOB 40.00,Flow 750.00, RPM 40.00, Press 0.00, Tq 12.00, ROP 232.80
06/14/2022	03:05	03:15	0.17	5280	5280	0	INTERME DIATE 2	2: BHA 2	10D	Survey & Connection
06/14/2022	03:15	03:35	0.33	5280	5373	93	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/5280.00 t/5373.00, w/WOB 40.00,Flow 750.00, RPM 40.00, Press 0.00, Tq 12.00, ROP 279.00
06/14/2022	03:35	03:45	0.17	5373	5373	0	INTERME DIATE 2	2: BHA 2	10D	Survey & Connection
06/14/2022	03:45	04:05	0.33	5373	5450	77	INTERME DIATE 2	2: BHA 2	2K	Rotary Drill f/5373.00 t/5450.00, w/WOB 40.00,Flow 750.00, RPM 40.00, Press 0.00, Tq 12.00, ROP 231.00
06/14/2022	04:05	05:00	0.92	5450	5450	0	INTERME DIATE 2	2: BHA 2	5A	Circulate Clean Up Cycle
06/14/2022	05:00	08:00	3	5450	5450	0	INTERME DIATE 2	2: BHA 2	3D	Ream Out Hole T/3615
06/14/2022	08:00	11:30	3.5	5450	5450	0	INTERME DIATE 2	2: BHA 2	6B	Trip Out of Hole to Lay Down BHA & Run Casing
06/14/2022	11:30	12:30	1	5450	5450	0	INTERME DIATE 2	2: BHA 2	6P	Lay Down BHA #2 to Run Casing
06/14/2022	12:30	24:00	11.5	5450	5450	0	INTERME DIATE 2	2: BHA 2	24B	Standby for Casing Operations
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #		30-025-49940		Operator:		Advance Energy Partners	
		API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa	
		Report #		8		Well:		Dagger State Com 304H	
		Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W	
		Rig:		Nabor X49		County / State:		Lea / New Mexico	
		Date:		06/15/2022		Report Time:		00:00-24:00	
		Daily Cost(\$):				Well Cost(\$):			
		24hr Summary:		TIH W/ BHA 3, Drill DV Tool, Unable To Test Casing					
24hr Lookahead:		POOH, Set Plug To Test Casing							
Drilling Summary		24Hr (BHA 3)		Run (BHA 3)		Casing Data		Fluids	
Start Depth (Usft):		5450		5450		Csg Shoe MD(Usft):		600: 8 PV: 3	
End Depth (Usft):		5450		5450		OD (in):		300: 5 YP: 2	
Total Drilled (Usft):						Weight (lbs/ft):		200: 4 Viscosity: 28	
Slide Drilled (Usft):								100: 3 Chlorides: 175000	
Rotary Drilled (Usft):								6: 2 % Sand/Solids: 0.00 / 2.34	
Drlg/Circ Hrs:		1.75 / 0.00		1.75 / 0.00		Bit Details		3: 1 Oil/Water: 0/100	
Slide Drilling Hrs:						SN: 4013276		10s Gel: 2 Weight (ppg): 10	
Rotary Drilling Hrs:		1.75		1.75		Bit # 2		PH / Temp(F) 7.0 / 0.00 Mud Type: WBM	
ROP Rot/Slide (Usft/hr):		0.00 / 0.00		0.00 / 0.00		OD (in) / TFA: 9.875 / 1.052			
BRT Hrs:		8.67		8.67		Grade In: New			
% Slide:						Grade Out: 1-1-NO-A-X-I-NO-TD			
% Rotary:						Make / Model: Varel / Vion-616			
Personnel									
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer	
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man	
								Fourth Man	
BHA Details									
Description		OD (in)		ID (in)		TJ OD (in)		TJ ID (in)	
Varel Vion-616 - 1.05 (3x13, 6x12)		9.875						Weight (lbs/ft)	
8" Motor 7/8 5.9 FBH @1.50deg w/ SS		8						Length (Usft)	
NM UBHO		8		3.25				Total Length (Usft)	
NMDC		8		3.25				1.5	
NMDC		8		3.25				35.7	
CROSSOVER CET54 B X 6 5/8 REG P		8		3.25				150	
24 Jts of CET54 HWDP		8		3.25				3.51	
CROSSOVER CET43 B X CET54 P		8		2.75				150	
		5.5		3.875				27.87	
		8		2.75				150	
								28.67	
								3.5	
								731.51	
								832.26	
								3.48	
								835.74	
								835.74	
Motor Details									
SN		Make		Model		Lobes		Bit to Bend(Usft)	
XSH80028						7/8		5.99	
								Bend Angle	
								1.75	
								Rev Per Gal	
								0.15	
								Housing	
								FBH	
Drilling Parameters									
ROP		WOB		RPM		RPM DH		FLOW	
(Usft/hr)		(klbs)				(gpm)		(psi)	
24 Hrs		40		40		415		750	
Run		139.73		38.45		38.75		410	
								743.1	
								2042.86	
								1375.86	
								0	
								150	
								140	
								130	
								11.54	
								7	
MWD Data									
Tool		SN		Type		Version		MWD Details	
Pulser								Orifice	
Driver								Orifice Type	
Directional								Pulse Width	
Battery 1								Data Rate	
Battery 2								EM Power	
Battery 3								EM Freq	
Gamma								Fin Size (in)	
Helix								Non Mag Above/Below	
								0.00 / 26.31	
								Total Field	
								47577.36	
								Dip Angle	
								60.199	
								Declination	
								6.474	
								Grid Convergence	
								0.386	
								Total Correction	
								6.088	
								North Ref	
								GRID	
Daily Activity									
Date		From		To		Hrs		Start (Usft)	
06/15/2022		00:00		13:15		13.25		5450	
								5450	
								0	
								INTERME DIATE 2	
								2: BHA 2	
								24B	
								Casing Operations, Cementing	
06/15/2022		13:15		15:20		2.08		5450	
								5450	
								0	
								INTERME DIATE 2	
								3: BHA 3	
								60	
								p/u BHA#3	
06/15/2022		15:20		18:00		2.67		5450	
								5450	
								0	
								INTERME DIATE 2	
								3: BHA 3	
								6A	
								TIH W/ BHA 3	
06/15/2022		18:00		21:00		3		5450	
								5450	
								0	
								INTERME DIATE 2	
								3: BHA 3	
								8A	
								Work On Rig	
06/15/2022		21:00		22:45		1.75		5450	
								5450	
								0	
								INTERME DIATE 2	
								3: BHA 3	
								2A	
								Drilling DV Tool	
06/15/2022		22:45		24:00		1.25		5450	
								5450	
								0	
								INTERME DIATE 2	
								3: BHA 3	
								24A	
								Attempt To Test Casing	
Well Seeker PRO 2.0.8.18 - Ameredev									

				Job #		30-025-49940		Operator:		Advance Energy Partners																	
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa																	
				Report #		9		Well:		Dagger State Com 304H																	
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W																	
				Rig:		Nabor X49		County / State:		Lea / New Mexico																	
				Date:		06/16/2022		Report Time:		00:00-24:00																	
				Daily Cost(\$):				Well Cost(\$):																			
				24hr Summary:		TIH, Drill Shoe Track, POOH, TIH																					
24hr Lookahead:		Drill Vertical As Per Plan To KOP																									
Drilling Summary		24Hr (BHA 3)		Run (BHA 3)		Casing Data			Fluids																		
Start Depth (Usft):		5450		5450		Csg Shoe MD(Usft):			600:	8	PV:	3															
End Depth (Usft):		5474		5474		OD (in):			300:	5	YP:	2															
Total Drilled (Usft):		24		24		Weight (lbs/ft):			200:	4	Viscosity:	28															
Slide Drilled (Usft):									100:	3	Chlorides:	175000															
Rotary Drilled (Usft):		24		24					6:	2	% Sand/Solids:	0.00 / 2.34															
Drig/Circ Hrs:		2.00 / 0.00		3.75 / 0.00		Bit Details			3:	1	Oil/Water:	0/100															
Slide Drilling Hrs:						SN:			5330359	10s Gel:	2	Weight (ppg):	10														
Rotary Drilling Hrs:		2		3.75		Bit #			3	PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM														
ROP Rot/Slide (Usft/hr):		12.00 / 0.00		6.40 / 0.00		OD (in) / TFA:			6.750 / 1.035																		
BRT Hrs:		24		32.67		Grade In:			New																		
% Slide:						Grade Out:																					
% Rotary:		100		100		Make / Model:			Baker Hughes /																		
Personnel																											
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher															
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man																	
BHA Details																											
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)											
Baker Hughes DD406VTWS - 1.03 (6x15)				6.75										1		1											
5.75 9/10 11:0 FBH @ 1.50deg W TS				5.75										38.7		39.7											
NON MAG UBHO				5.25		2.75								3.52		43.22											
NON MAG DRILL COLLAR				5		2.812								27.65		70.87											
NON MAG DRILL COLLAR				5		2.812								28.48		99.35											
CET43 X XT-39				5		2.25								4.15		103.5											
39 Jts 4.5 HWDP				4.5		2.813										103.5											
																103.5											
Motor Details																											
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing													
XSH57092		Intrepid		Interceptor		9/10		4.6		1.5		0.5		FBH													
Survey Data																											
MD (Usft)		INC		AZI		TVD (Usft)		NS (Usft)		EW (Usft)		DLS (°/100ft)		TFO		VS (Usft)		BR (°/100ft)		TR (°/100ft)		CL (Usft)					
5388		4.79		169.57		5376.11		-257.7		62.54		0.46		-130.75		-258.15		-0.29		-4.16		76					
Drilling Parameters																											
		ROP		WOB		RPM		RPM DH		FLOW		SPP ON		SPP OFF		SPM		PU		ROT		SO		TQ ON		TQ OFF	
		(Usft/hr)		(klbs)						(gpm)		(psi)		(psi)				(klbs)		(klbs)		(klbs)		(kftlbs)		(kftlbs)	
24 Hrs		12		13.5		20		170		300		975		600		0		132.5		132.5		132.5		3.5		7	
Run		6.4		13.5		20		170		300		975		600		0		132.5		132.5		132.5		3.5		7	
MWD Data																											
Tool		SN		Type		Version		MWD Details				Battery Details															
Pulser								Orifice				Plug In Date															
Driver								Orifice Type				Plug In Time															
Directional								Pulse Width				Plug Out Date															
Battery 1								Data Rate				Plug Out Time															
Battery 2								EM Power				Plug In Hrs Tot															
Battery 3								EM Freq				Plug In Hrs Day															
Gamma								Fin Size (in)				Circ Hrs Total															
Helix								Non Mag Above/Below				0.00 / 26.31		Circ Hours Day													
								Total Field				47577.36		Agitator													
								Dip Angle				60.199		Agitator SN													
								Declination				6.474		Agitator->Bit													
								Grid Convergence				0.386															
								Total Correction				6.088															
								North Ref				GRID															
Daily Activity																											
Date		From		To		Hrs		Start (Usft)		End (Usft)		CL		Phase		BHA		Code		Description							
06/16/2022		00:00		01:30		1.5		5450		5450		0		INTERME DIATE 2		3: BHA 3		6A		TIH							
06/16/2022		01:30		01:45		0.25		5450		5450		0		INTERME DIATE 2		3: BHA 3		6A		P/U D.P.							
06/16/2022		01:45		04:00		2.25		5450		5450		0		INTERME DIATE 2		3: BHA 3		6B		TOOH							
06/16/2022		04:00		04:45		0.75		5450		5450		0		INTERME DIATE 2		3: BHA 3		24A		Rack Back BHA							
06/16/2022		04:45		13:20		8.58		5450		5450		0		INTERME DIATE 2		3: BHA 3		24B									
06/16/2022		13:20		13:45		0.42		5450		5450		0		INTERME DIATE 2		3: BHA 3		24A		P/U BHA 3							
06/16/2022		13:45		16:30		2.75		5450		5450		0		INTERME DIATF 2		3: BHA 3		6A		TIH							

06/16/2022	16:30	17:55	1.42	5450	5450	0	INTERME DIATE 2	3: BHA 3	2A	Drill Shoe Track
06/16/2022	17:55	19:00	1.08	5450	5450	0	INTERME DIATE 2	3: BHA 3	24A	Attempt to Hold FIT / Failed
06/16/2022	19:00	21:50	2.83	5450	5450	0	INTERME DIATE 2	3: BHA 3	6B	TOOH
06/16/2022	21:50	23:25	1.58	5450	5450	0	INTERME DIATE 2	3: BHA 3	6A	TIH
06/16/2022	23:25	24:00	0.58	5450	5474	24	INTERME DIATE 2	3: BHA 3	2K	Rotary Drill f/5465.00 t/5474.00, w/WOB 15, Flow 350, RPM 20.00, Press 1100, Tq 4, ROP 15.43, Diff 350.00
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #	30-025-49940			Operator:	Advance Energy Partners						
		API Job # / AFE #	30-025-49940 / NM0230			Field:	Hat Mesa						
		Report #	10			Well:	Dagger State Com 304H						
		Latitude:	32° 27' 0.418" N			Longitude:	103° 36' 48.665" W						
		Rig:	Nabor X49			County / State:	Lea / New Mexico						
		Date:	06/17/2022			Report Time:	00:00-24:00						
		Daily Cost(\$):				Well Cost(\$):							
		24hr Summary:	TOOH Due To MWD Failure, TIH										
		24hr Lookahead:	Drill Ahead As Per Plan To KOP										
		Drilling Summary	24Hr (BHA 4)	Run (BHA 4)	Casing Data			Fluids					
Start Depth (Usft):	5474	7193	Csg Shoe MD(Usft):		600:	8	PV:	3					
End Depth (Usft):	7259	7259	OD (in):		300:	5	YP:	2					
Total Drilled (Usft):	66	66	Weight (lbs/ft):		200:	4	Viscosity:	28					
Slide Drilled (Usft):					100:	3	Chlorides:	175000					
Rotary Drilled (Usft):	66	66			6:	2	% Sand/Solids:	0.00 / 2.34					
Drlg/Circ Hrs:	0.42 / 1.00	0.42 / 1.00	Bit Details		3:	1	Oil/Water:	0/100					
Slide Drilling Hrs:			SN:	5330359	10s Gel:	2	Weight (ppg):	10					
Rotary Drilling Hrs:	0.42	0.42	Bit #	3	PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM					
ROP Rot/Slide (Usft/hr):	158.40 / 0.00	158.40 / 0.00	OD (in) / TFA:	6.750 / 1.035									
BRT Hrs:	4.67	4.67	Grade In:	New									
% Slide:			Grade Out:										
% Rotary:	100	100	Make / Model:	Baker Hughes /									
Personnel													
Company Man	Directional Driller	MWD Engineer	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher							
Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man								
BHA Details													
Description		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)	Total Length (Usft)					
Baker Hughes DD406VTWS - 1.03 (6x15)		6.75					1	1					
5.75 9/10 11:0 FBH @ 1.50deg W TS		5.75					38.7	39.7					
NON MAG UBHO		5.25	2.75				3.52	43.22					
NON MAG DRILL COLLAR		5	2.812				27.65	70.87					
NON MAG DRILL COLLAR		5	2.812				28.48	99.35					
CET43 X XT-39		5	2.25				4.15	103.5					
39 Jts 4.5 HWDP		4.5	2.813					103.5					
								103.5					
Motor Details													
SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend Angle	Rev Per Gal	Housing						
XSH57092	Intrepid	Interceptor	9/10	4.6	1.5	0.5	FBH						
Survey Data													
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)		
5522	4.97	171.94	5509.63	-268.95	64.37	0.2	49.43	-269.41	0.13	1.77	134		
5617	4.84	168.51	5604.28	-276.96	65.74	0.34	-115.61	-277.42	-0.14	-3.61	95		
5712	4.35	165.52	5698.97	-284.37	67.44	0.57	-155.43	-284.85	-0.52	-3.15	95		
5806	3.91	165	5792.73	-290.92	69.16	0.47	-175.39	-291.41	-0.47	-0.55	94		
5901	4.53	171.94	5887.47	-297.76	70.53	0.84	42.97	-298.26	0.65	7.31	95		
5995	4.92	175.54	5981.15	-305.46	71.36	0.52	39.05	-305.96	0.41	3.83	94		
6090	4.92	175.02	6075.8	-313.58	72.03	0.05	-90.26	-314.08	0	-0.55	95		
6184	4.7	173.52	6169.47	-321.42	72.81	0.27	-150.99	-321.93	-0.23	-1.6	94		
6278	4.7	175.81	6263.15	-329.09	73.53	0.2	91.14	-329.6	0	2.44	94		
6372	4.75	175.89	6356.84	-336.81	74.09	0.05	7.55	-337.33	0.05	0.09	94		
6465	4.66	176.51	6449.52	-344.42	74.6	0.11	150.84	-344.95	-0.1	0.67	93		
6560	4.48	176.51	6544.22	-351.98	75.06	0.19	180	-352.5	-0.19	0	95		
6654	4.22	175.19	6637.95	-359.09	75.57	0.3	-159.6	-359.62	-0.28	-1.4	94		
6749	4.97	164.91	6732.64	-366.54	76.94	1.17	-52.88	-367.08	0.79	-10.82	95		
6844	4.97	162.45	6827.29	-374.44	79.25	0.22	-91.23	-375	0	-2.59	95		
6938	4.7	162.1	6920.95	-381.99	81.66	0.29	-173.94	-382.56	-0.29	-0.37	94		
7033	4.4	159.63	7015.65	-389.11	84.12	0.38	-148.08	-389.7	-0.32	-2.6	95		
7128	5.63	164.82	7110.29	-397.02	86.61	1.38	22.85	-397.63	1.29	5.46	95		
Drilling Parameters													
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)
24 Hrs	180.95	60	60	268	415	2500	1950	0	170	160	155	7	7
Run	131.55	60	60	268	415	2500	1950	0	170	160	155	7	7
MWD Data													
Tool	SN	Type	Version	MWD Details				Battery Details					
Pulser				Orifice				Plug In Date					
Driver				Orifice Type				Plug In Time					
Directional				Pulse Width				Plug Out Date					
Battery 1				Data Rate				Plug Out Time					
Battery 2				EM Power				Plug In Hrs Tot					
Battery 3				EM Freq				Plug In Hrs Day					
Gamma				Fin Size (in)				Circ Hrs Total					
Helix				Non Mag Above/Below				Circ Hours Day					
				Total Field				Agitator					
				Dip Angle				Agitator SN					
				Declination				Agitator->Bit					
				Grid Convergence									
				Total Correction									
				North Ref									

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/17/2022	00:00	00:20	0.33	5474	5491	17	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5474.00 t/5491.00, w/WOB 15.00,Flow 350.00, RPM 20.00, Press 1100.00, Tq 4.00, ROP 51.00, Diff 350.00
06/17/2022	00:20	00:25	0.08	5491	5491	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	00:25	01:40	1.25	5491	5574	83	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5491.00 t/5574.00, w/WOB 15.00,Flow 350.00, RPM 20.00, Press 1100.00, Tq 4.00, ROP 66.40, Diff 350.00
06/17/2022	01:40	01:45	0.08	5574	5585	11	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5574.00 t/5585.00, w/WOB 20,Flow 415, RPM 60, Press 2200, Tq 5, ROP 132.00, Diff 350.00
06/17/2022	01:45	01:50	0.08	5585	5585	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	01:50	02:30	0.67	5585	5680	95	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5585.00 t/5680.00, w/WOB 20,Flow 415, RPM 60, Press 2200, Tq 5, ROP 142.50, Diff 350.00
06/17/2022	02:30	02:40	0.17	5680	5680	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	02:40	03:10	0.5	5680	5775	95	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5680.00 t/5775.00, w/WOB 20,Flow 415, RPM 60, Press 2200, Tq 5, ROP 190.00, Diff 350.00
06/17/2022	03:10	03:50	0.67	5775	5775	0	INTERME DIATE 3	3: BHA 3	8A	Trouble Shoot Flow Sensor
06/17/2022	03:50	04:00	0.17	5775	5806	31	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5775.00 t/5806.00, w/WOB 20,Flow 415, RPM 60, Press 2200, Tq 5, ROP 186.00, Diff 350.00
06/17/2022	04:00	04:10	0.17	5806	5806	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	04:10	04:30	0.33	5806	5869	63	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5806.00 t/5869.00, w/WOB 20.00,Flow 415.00, RPM 60.00, Press 2200.00, Tq 5.00, ROP 189.00, Diff 350.00
06/17/2022	04:30	04:35	0.08	5869	5869	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	04:35	04:40	0.08	5869	5880	11	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5869.00 t/5880.00, w/WOB 20.00,Flow 415.00, RPM 60.00, Press 2200.00, Tq 5.00, ROP 132.00, Diff 350.00
06/17/2022	04:40	05:20	0.67	5880	5900	20	INTERME DIATE 3	3: BHA 3	2J	Slide Drill f/5880.00 t/5900.00, TF 168.00M, w/WOB 20.00,Flow 415.00, Press 2200.00, Tq 5.00, ROP 30.00, Diff 350.00
06/17/2022	05:20	05:35	0.25	5900	5969	69	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5900.00 t/5969.00, w/WOB 20.00,Flow 415.00, RPM 60.00, Press 2200.00, Tq 5.00, ROP 276.00, Diff 350.00
06/17/2022	05:35	06:15	0.67	5969	5969	0	INTERME DIATE 3	3: BHA 3	26B	Trouble Shoot MWD Tool & Downlink MWD Tool
06/17/2022	06:15	06:35	0.33	5969	6061	92	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/5969.00 t/6061.00, w/WOB 23.00,Flow 415.00, RPM 60.00, Press 2300.00, Tq 5.00, ROP 276.00, Diff 450.00
06/17/2022	06:35	06:40	0.08	6061	6061	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	06:40	07:10	0.5	6061	6154	93	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/6061.00 t/6154.00, w/WOB 28.00,Flow 415.00, RPM 60.00, Press 2400.00, Tq 6.00, ROP 186.00, Diff 550.00
06/17/2022	07:10	07:15	0.08	6154	6154	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	07:15	08:00	0.75	6154	6342	188	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/6154.00 t/6342.00, w/WOB 28.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 6.00, ROP 250.67, Diff 650.00
06/17/2022	08:00	08:05	0.08	6342	6342	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	08:05	09:20	1.25	6342	6729	387	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/6342.00 t/6729.00, w/WOB 28.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 6.00, ROP 309.60, Diff 600.00
06/17/2022	09:20	09:45	0.42	6729	6729	0	INTERME DIATE 3	3: BHA 3	10D	Survey & Connection
06/17/2022	09:45	10:00	0.25	6729	6744	15	INTERME DIATE 3	3: BHA 3	2J	Slide Drill f/6729.00 t/6744.00, TF 130.00M, w/WOB 28.00,Flow 415.00, Press 2100.00, Tq 0.00, ROP 60.00, Diff 200.00
06/17/2022	10:00	11:20	1.33	6744	7113	369	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/6744.00 t/7113.00, w/WOB 28.00,Flow 415.00, RPM 60.00, Press 2500, Tq 8.00, ROP 276.75, Diff 650.00
06/17/2022	11:20	12:10	0.83	7113	7113	0	INTERME DIATE 3	3: BHA 3	10D	Survey, Connection & Recycle for MWD Tool
06/17/2022	12:10	12:35	0.42	7113	7133	20	INTERME DIATE 3	3: BHA 3	2J	Slide Drill f/7113.00 t/7133.00, TF 160M, w/WOB 18,Flow 415.00, Press 2100, Tq 0, ROP 48.00, Diff 250.00
06/17/2022	12:35	13:10	0.58	7133	7133	0	INTERME DIATE 3	3: BHA 3	26B	Trouble Shoot MWD Tool, Downlink MWD Tool. Change Transducer.
06/17/2022	13:10	13:30	0.33	7133	7193	60	INTERME DIATE 3	3: BHA 3	2K	Rotary Drill f/7133.00 t/7193.00, w/WOB 28.00,Flow 415.00, RPM 60.00, Press 2500, Tq 8.00, ROP 180.00, Diff 650.00
06/17/2022	13:30	14:50	1.33	7193	7193	0	INTERME DIATE 3	3: BHA 3	5A	Circulate Hole Clean
06/17/2022	14:50	18:00	3.17	7193	7193	0	INTERME DIATE 3	3: BHA 3	6B	Trip Out for MWD Tool Failure
06/17/2022	18:00	18:50	0.83	7193	7193	0	INTERME DIATE 3	3: BHA 3	6P	L/D BHA (Change Out Bit)
06/17/2022	18:50	19:20	0.5	7193	7193	0	INTERME DIATE 3	4: BHA 4	6O	P/U BHA
06/17/2022	19:20	22:35	3.25	7193	7193	0	INTERME DIATE 3	4: BHA 4	6A	TIH T/ 7137
06/17/2022	22:35	23:35	1	7193	7193	0	INTERME DIATE 3	4: BHA 4	5A	Wash & Ream In Hole
06/17/2022	23:35	24:00	0.42	7193	7259	66	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7193.00 t/7259.00, w/WOB 60,Flow 415, RPM 60, Press 2500, Tq 7, ROP 158.40, Diff 550.00
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #	30-025-49940			Operator:	Advance Energy Partners						
		API Job # / AFE #	30-025-49940 / NM0230			Field:	Hat Mesa						
		Report #	11			Well:	Dagger State Com 304H						
		Latitude:	32° 27' 0.418" N			Longitude:	103° 36' 48.665" W						
		Rig:	Nabor X49			County / State:	Lea / New Mexico						
		Date:	06/18/2022			Report Time:	00:00-24:00						
		Daily Cost(\$):				Well Cost(\$):							
		24hr Summary:	Drill Vertical To KOP, TOO H For ROP										
		24hr Lookahead:	Change BHA, TIH To Drill Curve										
Drilling Summary	24Hr (BHA 4)	Run (BHA 4)	Casing Data			Fluids							
Start Depth (Usft):	7259	7193	Csg Shoe MD(Usft):		600:	8	PV:	3					
End Depth (Usft):	9449	9449	OD (in):		300:	5	YP:	2					
Total Drilled (Usft):	2190	2256	Weight (lbs/ft):		200:	4	Viscosity:	28					
Slide Drilled (Usft):	64	64			100:	3	Chlorides:	175000					
Rotary Drilled (Usft):	2126	2192			6:	2	% Sand/Solids:	0.00 / 2.34					
Drlg/Circ Hrs:	17.67 / 0.00	18.08 / 1.00	Bit Details		3:	1	Oil/Water:	0/100					
Slide Drilling Hrs:	2.5	2.5	SN:	543451	10s Gel:	2	Weight (ppg):	10					
Rotary Drilling Hrs:	15.17	15.58	Bit #	4	PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM					
ROP Rot/Slide (Usft/hr):	140.18 / 25.60	140.66 / 25.60	OD (in) / TFA:	6.750 / 1.035									
BRT Hrs:	24	28.67	Grade In:	New									
% Slide:	2.92	2.84	Grade Out:	1-5-BT-S-X-I-WT-PR									
% Rotary:	97.08	97.16	Make / Model:	Ulterra / RPS613									
Personnel													
Company Man	Directional Driller	MWD Engineer	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher							
Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man								
BHA Details													
Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)	Total Length (Usft)						
Ulterra RPS613 - 1.03 (6x15)	6.75					1	1						
5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75					38.7	39.7						
NON MAG UBHO	5.25	2.75				3.52	43.22						
NON MAG DRILL COLLAR	5	2.812				27.65	70.87						
NON MAG DRILL COLLAR	5	2.812				28.48	99.35						
CET43 X XT-39	5	2.25				4.15	103.5						
39 Jts 4.5 HWDP	4.5	2.813					103.5						
							103.5						
Motor Details													
SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend Angle	Rev Per Gal	Housing						
XSH57092	Intrepid	Interceptor	9/10	4.6	1.5	0.5	FBH						
Survey Data													
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)		
7222	6.2	167.81	7203.79	-406.43	88.89	0.69	29.89	-407.06	0.61	3.18	94		
7316	5.41	163.59	7297.31	-415.64	91.22	0.95	-153.71	-416.29	-0.84	-4.49	94		
7411	4.53	158.76	7391.95	-423.44	93.84	1.02	-156.96	-424.1	-0.93	-5.08	95		
7505	5.89	163.77	7485.56	-431.53	96.53	1.52	21	-432.21	1.45	5.33	94		
7600	5.58	164.91	7580.08	-440.67	99.1	0.35	160.39	-441.37	-0.33	1.2	95		
7694	4.79	163.06	7673.7	-448.84	101.43	0.86	-168.97	-449.55	-0.84	-1.97	94		
7789	5.27	161.92	7768.33	-456.78	103.94	0.52	-12.33	-457.51	0.51	-1.2	95		
7884	5.19	160.69	7862.94	-464.98	106.72	0.14	-126.12	-465.73	-0.08	-1.29	95		
7978	4.48	159.28	7956.6	-472.43	109.42	0.77	-171.2	-473.2	-0.76	-1.5	94		
8073	4.22	155.59	8051.33	-479.08	112.18	0.4	-134.72	-479.87	-0.27	-3.88	95		
8167	3.65	151.99	8145.1	-484.87	115.01	0.66	-158.36	-485.68	-0.61	-3.83	94		
8262	4.97	155.15	8239.83	-491.27	118.16	1.41	11.78	-492.11	1.39	3.33	95		
8356	5.49	155.06	8333.44	-499.05	121.77	0.55	-0.95	-499.91	0.55	-0.1	94		
8451	5.14	159.11	8428.03	-507.14	125.2	0.54	135.02	-508.03	-0.37	4.26	95		
8545	5.58	159.2	8521.62	-515.35	128.33	0.47	1.14	-516.25	0.47	0.1	94		
8640	4.7	158.67	8616.24	-523.29	131.38	0.93	-177.18	-524.22	-0.93	-0.56	95		
8735	4.7	161.92	8710.92	-530.62	134.01	0.28	91.62	-531.56	0	3.42	95		
8830	4.35	167.37	8805.62	-537.83	136	0.58	131.84	-538.79	-0.37	5.74	95		
8924	4.31	165.61	8899.36	-544.73	137.66	0.15	-107.63	-545.7	-0.04	-1.87	94		
9019	3.56	180.82	8994.13	-551.14	138.5	1.35	133.13	-552.12	-0.79	16.01	95		
9113	2.37	181.52	9088.01	-556	138.41	1.27	178.61	-556.98	-1.27	0.74	94		
9208	1.54	161.22	9182.95	-559.17	138.77	1.12	-150.01	-560.15	-0.87	-21.37	95		
9302	0.92	166.49	9276.93	-561.1	139.35	0.67	172.29	-562.09	-0.66	5.61	94		
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	123.96	45.14	60	268	415	2492.86	1950	0	171.67	161.43	155.95	8.12	7
Run	124.76	45.82	60	268	415	2493.18	1950	0	171.59	161.36	155.91	8.06	7
MWD Data													
Tool	SN	Type	Version	MWD Details				Battery Details					
Pulser				Orifice				Plug In Date					
Driver				Orifice Type				Plug In Time					
Directional				Pulse Width				Plug Out Date					
Battery 1				Data Rate				Plug Out Time					
Battery 2				EM Power				Plug In Hrs Tot					
Battery 3				EM Freq				Plug In Hrs Day					
Gamma				Fin Size (in)				Circ Hrs Total					
Helix				Non Mag Above/Below				Circ Hours Day					
				Total Field				Agitator					

						Dip Angle	60.199		Agitator SN	
						Declination	6.474		Agitator->Bit	
						Grid Convergence	0.386			
						Total Correction	6.088			
						North Ref	GRID			
Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/18/2022	00:00	00:40	0.67	7259	7382	123	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7259.00 t/7382.00, w/WOB 60,Flow 415, RPM 60, Press 2500, Tq 7, ROP 184.50, Diff 550.00
06/18/2022	00:40	00:45	0.08	7382	7382	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	00:45	01:00	0.25	7382	7473	91	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7382.00 t/7473.00, w/WOB 60,Flow 415, RPM 60, Press 2500, Tq 7, ROP 364.00, Diff 550.00
06/18/2022	01:00	01:05	0.08	7473	7473	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	01:05	01:10	0.08	7473	7477	4	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7473.00 t/7477.00, w/WOB 60,Flow 415, RPM 60, Press 2500, Tq 7, ROP 48.00, Diff 550.00
06/18/2022	01:10	03:10	2	7477	7477	0	INTERME DIATE 3	4: BHA 4	8A	Work on standpipe / Change out o ring
06/18/2022	03:10	03:15	0.08	7477	7485	8	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7477.00 t/7485.00, w/WOB 60.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 7.00, ROP 96.00, Diff 550.00
06/18/2022	03:15	03:50	0.58	7485	7504	19	INTERME DIATE 3	4: BHA 4	2J	Slide Drill f/7485.00 t/7504.00, TF 170M, w/WOB 60.00,Flow 415.00, Press 2500.00, Tq 7.00, ROP 32.57, Diff 550.00
06/18/2022	03:50	04:05	0.25	7504	7555	51	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7504.00 t/7555.00, w/WOB 60.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 7.00, ROP 204.00, Diff 550.00
06/18/2022	04:05	04:20	0.25	7555	7555	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	04:20	04:30	0.17	7555	7568	13	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7555.00 t/7568.00, w/WOB 60.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 7.00, ROP 78.00, Diff 550.00
06/18/2022	04:30	04:35	0.08	7568	7568	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	04:35	04:55	0.33	7568	7664	96	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7569.00 t/7664.00, w/WOB 60.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 7.00, ROP 285.00, Diff 550.00
06/18/2022	04:55	05:00	0.08	7664	7664	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	05:00	05:25	0.42	7664	7757	93	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7664.00 t/7757.00, w/WOB 60.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 7.00, ROP 223.20, Diff 550.00
06/18/2022	05:25	05:30	0.08	7757	7757	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	05:30	05:35	0.08	7757	7774	17	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7757.00 t/7774.00, w/WOB 60.00,Flow 415.00, RPM 60.00, Press 2500.00, Tq 7.00, ROP 204.00, Diff 550.00
06/18/2022	05:35	06:15	0.67	7774	7774	0	INTERME DIATE 3	4: BHA 4	2J	Slide Drill f/7774.00 t/7774.00, TF 170.00M, w/WOB 60.00,Flow 415.00, Press 2500.00, Tq 7.00, ROP 0.00, Diff 550.00
06/18/2022	06:15	08:10	1.92	7774	8243	469	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/7774.00 t/8243.00, w/WOB 28,Flow 415.00, RPM 60.00, Press 2900, Tq 10, ROP 244.70, Diff 950.00
06/18/2022	08:10	08:30	0.33	8243	8243	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	08:30	08:45	0.25	8243	8258	15	INTERME DIATE 3	4: BHA 4	2J	Slide Drill f/8243.00 t/8258.00, TF 175M, w/WOB 12,Flow 415.00, Press 2250, Tq 0, ROP 60.00, Diff 300.00
06/18/2022	08:45	12:55	4.17	8258	8862	604	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/8258.00 t/8862.00, w/WOB 28,Flow 415.00, RPM 60.00, Press 2550, Tq 10, ROP 144.96, Diff 600.00
06/18/2022	12:55	13:20	0.42	8862	8862	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	13:20	16:20	3	8862	9084	222	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/8862.00 t/9084.00, w/WOB 28,Flow 415.00, RPM 60.00, Press 2450, Tq 10, ROP 74.00, Diff 500.00
06/18/2022	16:20	16:50	0.5	9084	9084	0	INTERME DIATE 3	4: BHA 4	8P	Rig Service
06/18/2022	16:50	17:40	0.83	9084	9178	94	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/9084.00 t/9178.00, w/WOB 32.00,Flow 415.00, RPM 60.00, Press 2450.00, Tq 9.00, ROP 112.80, Diff 500.00
06/18/2022	17:40	17:45	0.08	9178	9178	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	17:45	18:30	0.75	9178	9272	94	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/9178.00 t/9272.00, w/WOB 32.00,Flow 415.00, RPM 60.00, Press 2450.00, Tq 9.00, ROP 125.33, Diff 500.00
06/18/2022	18:30	18:35	0.08	9272	9272	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	18:35	19:25	0.83	9272	9365	93	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/9272.00 t/9365.00, w/WOB 32.00,Flow 415.00, RPM 60.00, Press 2450.00, Tq 9.00, ROP 111.60, Diff 500.00
06/18/2022	19:25	19:30	0.08	9365	9365	0	INTERME DIATE 3	4: BHA 4	10D	Survey & Connection
06/18/2022	19:30	19:40	0.17	9365	9386	21	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/9365.00 t/9386.00, w/WOB 32.00,Flow 415.00, RPM 60.00, Press 2450.00, Tq 9.00, ROP 126.00, Diff 500.00
06/18/2022	19:40	20:40	1	9386	9416	30	INTERME DIATE 3	4: BHA 4	2J	Slide Drill f/9386.00 t/9416.00, TF 350M, w/WOB 32.00,Flow 415.00, Press 2450.00, Tq 9.00, ROP 30.00, Diff 500.00
06/18/2022	20:40	21:50	1.17	9416	9449	33	INTERME DIATE 3	4: BHA 4	2K	Rotary Drill f/9416.00 t/9449.00, w/WOB 32.00,Flow 415.00, RPM 60.00, Press 2450.00, Tq 9.00, ROP 28.29, Diff 500.00
06/18/2022	21:50	24:00	2.17	9449	9449	0	INTERME DIATE 3	4: BHA 4	6B	TOOH For ROP
Well Seeker PRO 2.0.8.18 - Ameredev										

	Job #		30-025-49940		Operator:		Advance Energy Partners										
	API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa										
	Report #		12		Well:		Dagger State Com 304H										
	Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W										
	Rig:		Nabor X49		County / State:		Lea / New Mexico										
	Date:		06/19/2022		Report Time:		00:00-24:00										
	Daily Cost(\$):				Well Cost(\$):												
	24hr Summary:		TOOH Due To Pack Off & Change BHA														
24hr Lookahead:		TIH Drill To KOP & Build Curve As Per Plan															
Drilling Summary		24Hr (BHA 5)		Run (BHA 5)		Casing Data		Fluids									
Start Depth (Usft):		9449		9449		Csg Shoe MD(Usft):		600:	8	PV:	3						
End Depth (Usft):		9449		9449		OD (in):		300:	5	YP:	2						
Total Drilled (Usft):						Weight (lbs/ft):		200:	4	Viscosity:	28						
Slide Drilled (Usft):								100:	3	Chlorides:	175000						
Rotary Drilled (Usft):								6:	2	% Sand/Solids:	0.00 / 2.34						
Drig/Circ Hrs:						Bit Details		3:	1	Oil/Water:	0/100						
Slide Drilling Hrs:						SN:		543451	10s Gel:	2	Weight (ppg):	10					
Rotary Drilling Hrs:						Bit #		4	PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM					
ROP Rot/Slide (Usft/hr):						OD (in) / TFA:		6.750 / 1.035									
BRT Hrs:		19.33				Grade In:		New									
% Slide:						Grade Out:		1-5-BT-S-X-I-WT-PR									
% Rotary:						Make / Model:		Ulterra / RPS613									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Ulterra RPS613 - 1.03 (6x15)				6.75										1		1	
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75										38.7		39.7	
NON MAG UBHO				5.25		2.75								3.52		43.22	
NON MAG DRILL COLLAR				5		2.812								27.65		70.87	
NON MAG DRILL COLLAR				5		2.812								28.48		99.35	
CET43 X XT-39				5		2.25								4.15		103.5	
39 Jts 4.5 HWDP				4.5		2.813										103.5	
																103.5	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSH57092		Intrepid		Interceptor		9/10		4.6		1.5		0.5		FBH			
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF				
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)				
24 Hrs	0	45.14	60	342	415	2492.86	1950	0	171.67	161.43	155.95	8.12	7				
Run	124.76	45.82	60	342	415	2493.18	1950	0	171.59	161.36	155.91	8.06	7				
MWD Data																	
Tool		SN		Type		Version		MWD Details				Battery Details					
Pulser								Orifice				Plug In Date					
Driver								Orifice Type				Plug In Time					
Directional								Pulse Width				Plug Out Date					
Battery 1								Data Rate				Plug Out Time					
Battery 2								EM Power				Plug In Hrs Tot					
Battery 3								EM Freq				Plug In Hrs Day					
Gamma								Fin Size (in)				Circ Hrs Total					
Helix								Non Mag Above/Below				Circ Hours Day					
								Total Field				Agitator					
								Dip Angle				Agitator SN					
								Declination				Agitator->Bit					
								Grid Convergence									
								Total Correction									
								North Ref									
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/19/2022	00:00	01:15	1.25	9449	9449	0	INTERME DIATE 3	4: BHA 4	6B	TOOH							
06/19/2022	01:15	03:20	2.08	9449	9449	0	INTERME DIATE 3	5: BHA 5	6O	P/U BHA 5 (Curve Assembly)							
06/19/2022	03:20	06:50	3.5	9449	9449	0	INTERME DIATE 3	5: BHA 5	6A	Tripped in the Hole t/5400							
06/19/2022	06:50	07:30	0.67	9449	9449	0	INTERME DIATE 3	5: BHA 5	24A	Worked on ST80							
06/19/2022	07:30	07:50	0.33	9449	9449	0	INTERME DIATE 3	5: BHA 5	6A	Continues to TIH t/7869							
06/19/2022	07:50	08:45	0.92	9449	9449	0	INTERME DIATE 3	5: BHA 5	24A	Fill Pipe & Attempt to Circulate							
06/19/2022	08:45	14:00	5.25	9449	9449	0	INTERME DIATE 3	5: BHA 5	6B	Trip Out of Hole for Plugged Drill String							
06/19/2022	14:00	14:30	0.5	9449	9449	0	INTERME DIATE 3	5: BHA 5	6P	Lay Down BHA & Clean Out Solids for UBHO to Bit							
06/19/2022	14:30	15:50	1.33	9449	9449	0	INTERME DIATE 3	5: BHA 5	6O	Pick Up Cleaned Out Components							

06/19/2022	15:50	19:25	3.58	9449	9449	0	INTERME DIATE 3	5: BHA 5	24A	Slip & Cut, Work on ST80, Clean Screens
06/19/2022	19:25	24:00	4.58	9449	9449	0	INTERME DIATE 3	5: BHA 5	6A	TIH T/ 9364
Well Seeker PRO 2.0.8.18 - Ameredev										

				Job #		30-025-49940		Operator:		Advance Energy Partners	
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa	
				Report #		13		Well:		Dagger State Com 304H	
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W	
				Rig:		Nabor X49		County / State:		Lea / New Mexico	
				Date:		06/20/2022		Report Time:		00:00-24:00	
				Daily Cost(\$):				Well Cost(\$):			
				24hr Summary:		TIH, Building Curve					
24hr Lookahead:		Build Curve With 2.38 Motor									
Drilling Summary		24Hr (BHA 5)		Run (BHA 5)		Casing Data		Fluids			
Start Depth (Usft):		9449		9449		Csg Shoe MD(Usft):		600:	8	PV:	3
End Depth (Usft):		10078		10078		OD (in):		300:	5	YP:	2
Total Drilled (Usft):		629		629		Weight (lbs/ft):		200:	4	Viscosity:	28
Slide Drilled (Usft):		538		538				100:	3	Chlorides:	175000
Rotary Drilled (Usft):		91		91				6:	2	% Sand/Solids:	0.00 / 2.34
Drig/Circ Hrs:		18.33 / 0.75		18.33 / 0.75		Bit Details		3:	1	Oil/Water:	0/100
Slide Drilling Hrs:		17.33		17.33		SN:		6026544		10s Gel:	2
Rotary Drilling Hrs:		1		1		Bit #:		5		PH / Temp(F)	7.0 / 0.00
ROP Rot/Slide (Usft/hr):		91.00 / 31.04		91.00 / 31.04		OD (in) / TFA:		6.750 / 0.991			
BRT Hrs:		24		32.17		Grade In:		New			
% Slide:		85.53		85.53		Grade Out:		1-1-FC-A-X-I-NO-BHA			
% Rotary:		14.47		14.47		Make / Model:		Varel / EVOS-611			
Personnel											
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist	
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man	
BHA Details											
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)	
Varel EVOS-611 - 0.99 (2x14, 4x15)				6.75						52.3	
5" 6/7 8.8 2.12deg FXD TS				5						56.2	
FLOAT SUB				5.25		2.5				50.1	
NON MAG UBHO				5.25		2.75				50.1	
NON MAG DRILL COLLAR				5		2.812				50.1	
NON MAG DRILL COLLAR				5		2.812				550.1	
CET43 X XT-39				5		2.25				50.1	
										100.93	
Motor Details											
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle	
XSS50054		Intrepid		Interceptor		6/7		4		2.12	
										Rev Per Gal	
										0.68	
										Housing	
										FBH	
Survey Data											
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)
9489	3.08	265.54	9463.83	-562.33	134.3	1.5	4.02	-563.27	1.5	1.96	94
9583	4.26	304.13	9557.65	-560.56	128.89	2.84	84.58	-561.47	1.26	41.05	94
9632	10.29	319.86	9606.24	-556.19	124.56	12.85	26.21	-557.07	12.31	32.1	49
9678	12.04	319.86	9651.36	-549.38	118.82	3.8	0	-550.22	3.8	0	46
9730	18.99	329.79	9701.45	-537.91	111.05	14.26	25.77	-538.69	13.37	19.1	52
9772	24.26	335.33	9740.48	-524.15	104.01	13.44	23.78	-524.88	12.55	13.19	42
9820	30.37	340.34	9783.11	-503.74	95.8	13.59	22.87	-504.41	12.73	10.44	48
9866	34.29	350.09	9822	-480	89.65	14.16	57.26	-480.63	8.52	21.2	46
9961	39.69	5.74	9898.03	-423.29	88.08	11.39	66.6	-423.91	5.68	16.47	95
10015	44.53	6.79	9938.07	-387.31	92.04	9.06	8.67	-387.96	8.96	1.94	54
10055	48.22	5.21	9965.67	-358.52	95.06	9.66	-17.77	-359.19	9.23	-3.95	40
Drilling Parameters											
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	
24 Hrs	34.31	45.14	60	342	415	2492.86	1950	0	171.67	161.43	155.95
Run	34.31	45.82	60	342	415	2493.18	1950	0	171.59	161.36	155.91
MWD Data											
Tool	SN		Type	Version	MWD Details				Battery Details		
Pulser					Orifice				Plug In Date		
Driver					Orifice Type				Plug In Time		
Directional					Pulse Width				Plug Out Date		
Battery 1					Data Rate				Plug Out Time		
Battery 2					EM Power				Plug In Hrs Tot		
Battery 3					EM Freq				Plug In Hrs Day		
Gamma					Fin Size (in)				Circ Hrs Total		
Helix					Non Mag Above/Below				Circ Hours Day		
					Total Field				Agitator		
					Dip Angle				Agitator SN		
					Declination				Agitator->Bit		
					Grid Convergence						
					Total Correction						
					North Ref				GRID		
Daily Activity											
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description	
06/20/2022	00:00	00:45	0.75	9449	9449	0	CURVE	5: BHA 5	3D	Was & Ream To Bottom	
06/20/2022	00:45	00:55	0.17	9449	9459	10	CURVE	5: BHA 5	2K	Rotary Drill f/9449.00 t/9459.00, w/WOB 15.00,Flow 348.00, RPM 30.00, Press 2400.00, Tq 6.00, ROP 60.00, Diff 450.00	
06/20/2022	00:55	01:00	0.08	9459	9459	0	CURVE	5: BHA 5	10D	Survey & Connection	

06/20/2022	01:00	01:50	0.83	9459	9540	81	CURVE	5: BHA 5	2K	Rotary Drill f/9459.00 t/9540.00, w/WOB 15.00,Flow 348.00, RPM 30.00, Press 2400.00, Tq 6.00, ROP 97.20, Diff 450.00
06/20/2022	01:50	02:10	0.33	9540	9540	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	02:10	02:45	0.58	9540	9551	11	CURVE	5: BHA 5	2J	Slide Drill f/9540.00 t/9551.00, TF 90.00G, w/WOB 15.00,Flow 348.00, Press 2400.00, Tq 6.00, ROP 18.86, Diff 450.00
06/20/2022	02:45	02:50	0.08	9551	9551	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	02:50	03:50	1	9551	9560	9	CURVE	5: BHA 5	2J	Slide Drill f/9551.00 t/9560.00, TF 90.00G, w/WOB 15.00,Flow 348.00, Press 2400.00, Tq 6.00, ROP 9.00, Diff 450.00
06/20/2022	03:50	06:45	2.92	9560	9647	87	CURVE	5: BHA 5	2J	Slide Drill f/9560.00 t/9647.00, TF 350.00M, w/WOB 15.00,Flow 348.00, Press 2400.00, Tq 6.00, ROP 29.83, Diff 450.00
06/20/2022	06:45	06:55	0.17	9647	9647	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	06:55	08:50	1.92	9647	9697	50	CURVE	5: BHA 5	2J	Slide Drill f/9647.00 t/9697.00, TF 45.00G, w/WOB 11.00,Flow 275.00, Press 1400.00, Tq 6.00, ROP 26.09, Diff 200.00
06/20/2022	08:50	09:25	0.58	9697	9697	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	09:25	11:05	1.67	9697	9739	42	CURVE	5: BHA 5	2J	Slide Drill f/9697.00 t/9739.00, TF 45.00G, w/WOB 15.00,Flow 300.00, Press 1800.00, Tq 6.00, ROP 25.20, Diff 400.00
06/20/2022	11:05	11:20	0.25	9739	9739	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	11:20	13:05	1.75	9739	9796	57	CURVE	5: BHA 5	2J	Slide Drill f/9739.00 t/9796.00, TF 55.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 6.00, ROP 32.57, Diff 400.00
06/20/2022	13:05	13:15	0.17	9796	9796	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	13:15	14:25	1.17	9796	9835	39	CURVE	5: BHA 5	2J	Slide Drill f/9796.00 t/9835.00, TF 55.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 6.00, ROP 33.43, Diff 400.00
06/20/2022	14:25	14:50	0.42	9835	9835	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	14:50	16:10	1.33	9835	9886	51	CURVE	5: BHA 5	2J	Slide Drill f/9835.00 t/9886.00, TF 60.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 8.00, ROP 38.25, Diff 400.00
06/20/2022	16:10	16:50	0.67	9886	9886	0	CURVE	5: BHA 5	26A	Trouble Shoot
06/20/2022	16:50	17:30	0.67	9886	9929	43	CURVE	5: BHA 5	2J	Slide Drill f/9886.00 t/9929.00, TF 90.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 8.00, ROP 16.12, Diff 400.00
06/20/2022	17:30	17:45	0.25	9929	9929	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	17:45	19:20	1.58	9929	9980	51	CURVE	5: BHA 5	2J	Slide Drill f/9929.00 t/9980.00, TF 40.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 8.00, ROP 32.21, Diff 400.00
06/20/2022	19:20	19:30	0.17	9980	9980	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	19:30	19:35	0.08	9980	9982	2	CURVE	5: BHA 5	2J	Slide Drill f/9980.00 t/9982.00, TF 40.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 8.00, ROP 24.00, Diff 400.00
06/20/2022	19:35	20:05	0.5	9982	9982	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	20:05	21:25	1.33	9982	10022	40	CURVE	5: BHA 5	2J	Slide Drill f/9982.00 t/10022.00, TF 0.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 8.00, ROP 30.00, Diff 400.00
06/20/2022	21:25	21:30	0.08	10022	10022	0	CURVE	5: BHA 5	10D	Survey & Connection
06/20/2022	21:30	22:50	1.33	10022	10078	56	CURVE	5: BHA 5	2J	Slide Drill f/10022.00 t/10078.00, TF 0.00G, w/WOB 20.00,Flow 300.00, Press 1800.00, Tq 8.00, ROP 42.00, Diff 400.00
06/20/2022	22:50	24:00	1.17	10078	10078	0	CURVE	5: BHA 5	8A	Work On Rig
Well Seeker PRO 2.0.8.18 - Ameredev										

				Job #		30-025-49940		Operator:		Advance Energy Partners							
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa							
				Report #		14		Well:		Dagger State Com 304H							
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W							
				Rig:		Nabor X49		County / State:		Lea / New Mexico							
				Date:		06/21/2022		Report Time:		00:00-24:00							
				Daily Cost(\$):				Well Cost(\$):									
				24hr Summary:		TOOH due to low builds, Change tools, TIH											
24hr Lookahead:		Build Curve as per plan															
Drilling Summary		24Hr (BHA 6)		Run (BHA 6)		Casing Data			Fluids								
Start Depth (Usft):		10078		10078		Csg Shoe MD(Usft):			600:	8	PV:		3				
End Depth (Usft):		10350		10350		OD (in):			300:	5	YP:		2				
Total Drilled (Usft):		272		272		Weight (lbs/ft):			200:	4	Viscosity:		28				
Slide Drilled (Usft):		226		226					100:	3	Chlorides:		175000				
Rotary Drilled (Usft):		46		46					6:	2	% Sand/Solids:		0.00 / 2.34				
Drlg/Circ Hrs:		4.92 / 0.00		4.92 / 0.00		Bit Details			3:	1	Oil/Water:		0/100				
Slide Drilling Hrs:		4.25		4.25		SN:			6026544	10s Gel:	2	Weight (ppg):		10			
Rotary Drilling Hrs:		0.67		0.67		Bit #			5	PH / Temp(F)	7.0 / 0.00	Mud Type:		WBM			
ROP Rot/Slide (Usft/hr):		69.00 / 53.18		69.00 / 53.18		OD (in) / TFA:			6.750 / 0.991								
BRT Hrs:		14.25		14.25		Grade In:			New								
% Slide:		83.09		83.09		Grade Out:			1-1-FC-A-X-I-NO-BHA								
% Rotary:		16.91		16.91		Make / Model:			Varel / EVOS-611								
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Varel EVOS-611 - 0.99 (2x14, 4x15)				6.75								52.3		1		1	
5" 6/7 8.8 2.12deg FXD TS				5								56.2		33.7		34.7	
FLOAT SUB				5.25		2.5						50.1		2.43		37.13	
NON MAG UBHO				5.25		2.75						50.1		3.52		40.65	
NON MAG DRILL COLLAR				5		2.812						50.1		27.65		68.3	
NON MAG DRILL COLLAR				5		2.812						550.1		28.48		96.78	
CET43 X XT-39				5		2.25						50.1		4.15		100.93	
																100.93	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSS50054		Intrepid		Interceptor		6/7		4		2.12		0.68		FBH			
Survey Data																	
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)		TFO	VS (Usft)	BR (°/100ft)		TR (°/100ft)		CL (Usft)			
10102	55.38	5.83	9994.71	-321.78	98.62	15.27		4.09	-322.48	15.23		1.32		47			
10150	64.44	5.83	10018.75	-280.5	102.83	18.88		0	-281.23	18.88		0		48			
10198	72	5.56	10036.55	-236.18	107.25	15.76		-1.95	-236.94	15.75		-0.56		48			
10245	77.14	6.44	10049.05	-191.14	111.99	11.08		9.49	-191.94	10.94		1.87		47			
10339	88.75	3.37	10060.58	-98.36	119.92	12.77		-14.92	-99.22	12.35		-3.27		94			
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON		TQ OFF			
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)		(kftlbs)			
24 Hrs	0	20	20	197	275	2136.36	1600	0	220	210	200	7		7			
Run	34.31	20	20	197	275	2136.36	1600	0	220	210	200	7		7			
MWD Data																	
Tool		SN		Type		Version		MWD Details			Battery Details						
Pulser								Orifice			Plug In Date						
Driver								Orifice Type			Plug In Time						
Directional								Pulse Width			Plug Out Date						
Battery 1								Data Rate			Plug Out Time						
Battery 2								EM Power			Plug In Hrs Tot						
Battery 3								EM Freq			Plug In Hrs Day						
Gamma								Fin Size (in)			Circ Hrs Total						
Helix								Non Mag Above/Below			0.00 / 26.31			Circ Hours Day			
								Total Field			47577.36			Agitator			
								Dip Angle			60.199			Agitator SN			
								Declination			6.474			Agitator->Bit			
								Grid Convergence			0.386						
								Total Correction			6.088						
								North Ref			GRID						
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/21/2022	00:00	03:40	3.67	10078	10078	0	CURVE	5: BHA 5	8A	Down for Drawworks Blower Motor							
06/21/2022	03:40	08:20	4.67	10078	10078	0	CURVE	5: BHA 5	6B	Trip Out of Hole for BHA							
06/21/2022	08:20	08:50	0.5	10078	10078	0	CURVE	5: BHA 5	6P	l/d Motor, Bit & MWD							
06/21/2022	08:50	09:45	0.92	10078	10078	0	CURVE	6: BHA 6	60	p/u Motor, Bit, Scribe & MWD							
06/21/2022	09:45	17:15	7.5	10078	10078	0	CURVE	6: BHA 6	10D	Survey & Connection							
06/21/2022	17:15	17:55	0.67	10078	10109	31	CURVE	6: BHA 6	2J	Slide Drill f/10078.00 t/10109.00, TF 0.00G, w/WOB 20.00,Flow 275.00, Press 2000.00, Tq 0.00, ROP 46.50, Diff 400.00							
06/21/2022	17:55	18:05	0.17	10109	10109	0	CURVE	6: BHA 6	10D	Survey & Connection							
06/21/2022	18:05	19:10	1.08	10109	10155	46	CURVE	6: BHA 6	2J	Slide Drill f/10109.00 t/10155.00, TF 0.00G, w/WOB 20.00,Flow 275.00, Press 2000.00, Tq 0.00, ROP 42.46, Diff 400.00							
06/21/2022	19:10	19:15	0.08	10155	10155	0	CURVE	6: BHA 6	10D	Survey & Connection							

06/21/2022	19:15	20:10	0.92	10155	10201	46	CURVE	6: BHA 6	2J	Slide Drill f/10155.00 t/10201.00, TF 0.00G, w/WOB 20.00,Flow 275.00, Press 2000.00, Tq 0.00, ROP 50.18, Diff 400.00
06/21/2022	20:10	20:25	0.25	10201	10201	0	CURVE	6: BHA 6	10D	Survey & Connection
06/21/2022	20:25	20:35	0.17	10201	10212	11	CURVE	6: BHA 6	2J	Slide Drill f/10201.00 t/10212.00, TF 0.00G, w/WOB 20.00,Flow 275.00, Press 2000.00, Tq 0.00, ROP 66.00, Diff 400.00
06/21/2022	20:35	21:25	0.83	10212	10212	0	CURVE	6: BHA 6	10D	Survey & Connection
06/21/2022	21:25	21:40	0.25	10212	10228	16	CURVE	6: BHA 6	2J	Slide Drill f/10212.00 t/10228.00, TF 0.00G, w/WOB 20.00,Flow 275.00, Press 2000.00, Tq 0.00, ROP 64.00, Diff 400.00
06/21/2022	21:40	21:55	0.25	10228	10251	23	CURVE	6: BHA 6	2K	Rotary Drill f/10228.00 t/10251.00, w/WOB 20.00,Flow 275.00, RPM 20.00, Press 2250.00, Tq 7.00, ROP 92.00, Diff 650.00
06/21/2022	21:55	22:00	0.08	10251	10251	0	CURVE	6: BHA 6	10D	Survey & Connection
06/21/2022	22:00	22:30	0.5	10251	10287	36	CURVE	6: BHA 6	2J	Slide Drill f/10251.00 t/10287.00, TF -10.00G, w/WOB 20.00,Flow 275.00, Press 2250.00, Tq 7.00, ROP 72.00, Diff 650.00
06/21/2022	22:30	22:40	0.17	10287	10298	11	CURVE	6: BHA 6	2K	Rotary Drill f/10287.00 t/10298.00, w/WOB 20.00,Flow 275.00, RPM 20.00, Press 2250.00, Tq 7.00, ROP 66.00, Diff 650.00
06/21/2022	22:40	23:00	0.33	10298	10298	0	CURVE	6: BHA 6	10D	Survey & Connection
06/21/2022	23:00	23:40	0.67	10298	10338	40	CURVE	6: BHA 6	2J	Slide Drill f/10298.00 t/10338.00, TF -10.00G, w/WOB 20.00,Flow 275.00, Press 2250.00, Tq 7.00, ROP 60.00, Diff 650.00
06/21/2022	23:40	23:50	0.17	10338	10347	9	CURVE	6: BHA 6	2K	Rotary Drill f/10338.00 t/10347.00, w/WOB 20.00,Flow 275.00, RPM 20.00, Press 2250.00, Tq 7.00, ROP 54.00, Diff 650.00
06/21/2022	23:50	23:55	0.08	10347	10347	0	CURVE	6: BHA 6	10D	Survey & Connection
06/21/2022	23:55	24:00	0.08	10347	10350	3	CURVE	6: BHA 6	2K	Rotary Drill f/10347.00 t/10350.00, w/WOB 20.00,Flow 275.00, RPM 20.00, Press 2250.00, Tq 7.00, ROP 36.00, Diff 650.00
Well Seeker PRO 2.0.8.18 - Ameredev										

				Job #		30-025-49940		Operator:		Advance Energy Partners							
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa							
				Report #		15		Well:		Dagger State Com 304H							
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W							
				Rig:		Nabor X49		County / State:		Lea / New Mexico							
				Date:		06/22/2022		Report Time:		00:00-24:00							
				Daily Cost(\$):				Well Cost(\$):									
				24hr Summary:		Land curve, tool for lateral assembly											
24hr Lookahead:		Drill lateral as per plan															
Drilling Summary		24Hr (BHA 7)		Run (BHA 7)		Casing Data		Fluids									
Start Depth (Usft):		10350		10486		Csg Shoe MD(Usft):		600:	8	PV:		3					
End Depth (Usft):		11215		11215		OD (in):		300:	5	YP:		2					
Total Drilled (Usft):		729		729		Weight (lbs/ft):		200:	4	Viscosity:		28					
Slide Drilled (Usft):		142		142				100:	3	Chlorides:		175000					
Rotary Drilled (Usft):		587		587				6:	2	% Sand/Solids:		0.00 / 2.34					
Drlg/Circ Hrs:		8.50 / 1.08		8.50 / 1.08		Bit Details		3:	1	Oil/Water:		0/100					
Slide Drilling Hrs:		3		3		SN:		61010		10s Gel:		2					
Rotary Drilling Hrs:		5.5		5.5		Bit #:		7		PH / Temp(F)		7.0 / 0.00					
ROP Rot/Slide (Usft/hr):		106.73 / 47.33		106.73 / 47.33		OD (in) / TFA:		6.750 / 1.035									
BRT Hrs:		15.5		15.5		Grade In:		New									
% Slide:		19.48		19.48		Grade Out:		1-1-FC-A-X-I-NO-BHA									
% Rotary:		80.52		80.52		Make / Model:		Ulterra / U611S									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Ulterra U611S - 1.03 (6x15)				6.75								52.3		1		1	
5" MOTOR 7/8 5.0 FBH@2.38 W/TS				5								56.2		24		25	
FLOAT SUB				5.25		2.5						50.1		2.43		27.43	
NON MAG UBHO				5.25		2.75						50.1		3.52		30.95	
NON MAG DRILL COLLAR				5		2.812						50.1		27.65		58.6	
NON MAG DRILL COLLAR				5		2.812						550.1		28.48		87.08	
CET43 X XT-39				5		2.25						50.1		4.15		91.23	
																91.23	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
ESS50002		Intrepid		Interceptor		7/8		3.6		2.38		0.64		FBH			
Survey Data																	
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)		TFO	VS (Usft)	BR (°/100ft)		TR (°/100ft)		CL (Usft)			
10339	88.75	3.37	10060.58	-98.36	119.92	12.77		-14.92	-99.22	12.35		-3.27		94			
10433	87.78	0.38	10063.43	-4.47	122.99	3.34		-108.02	-5.35	-1.03		-3.18		94			
10455	87.82	0.46	10064.27	17.52	123.15	0.41		63.42	16.63	0.18		0.36		22			
10550	89.71	359.85	10066.32	112.49	123.41	2.09		-17.89	111.6	1.99		-0.64		95			
10644	92.7	0.38	10064.34	206.46	123.6	3.23		10.05	205.57	3.18		0.56		94			
10739	94.02	0.29	10058.78	301.29	124.15	1.39		-3.89	300.39	1.39		-0.09		95			
10834	95.87	0.29	10050.59	395.93	124.63	1.95		0	395.03	1.95		0		95			
10928	94.15	1.52	10042.38	489.55	126.11	2.25		144.48	488.64	-1.83		1.31		94			
11022	91.34	3.54	10037.88	583.34	130.26	3.68		144.27	582.39	-2.99		2.15		94			
11117	90.68	4.42	10036.2	678.1	136.85	1.16		126.87	677.1	-0.69		0.93		95			
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF				
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)				
24 Hrs	74.18	25	60	225	330	2534.38	2100	0	230	200	180	9.5	7				
Run	60.44	25	60	225	330	2534.38	2100	0	230	200	180	9.5	7				
MWD Data																	
Tool	SN		Type	Version	MWD Details					Battery Details							
Pulser					Orifice					Plug In Date							
Driver					Orifice Type					Plug In Time							
Directional					Pulse Width					Plug Out Date							
Battery 1					Data Rate					Plug Out Time							
Battery 2					EM Power					Plug In Hrs Tot							
Battery 3					EM Freq					Plug In Hrs Day							
Gamma					Fin Size (in)					Circ Hrs Total							
Helix					Non Mag Above/Below					Circ Hours Day							
					Total Field					Agitator							
					Dip Angle					Agitator SN							
					Declination					Agitator->Bit							
					Grid Convergence												
					Total Correction												
					North Ref					GRID							
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/22/2022	00:00	00:30	0.5	10350	10394	44	CURVE	6: BHA 6	2K	Rotary Drill f/10350.00 t/10394.00, w/WOB 20.00,Flow 275.00, RPM 20.00, Press 2250.00, Tq 7.00, ROP 88.00, Diff 650.00							
06/22/2022	00:30	00:40	0.17	10394	10394	0	CURVE	6: BHA 6	10D	Survey & Connection							
06/22/2022	00:40	01:10	0.5	10394	10409	15	CURVE	6: BHA 6	2J	Slide Drill f/10394.00 t/10409.00, TF -90.00G, w/WOB 20.00,Flow 275.00, Press 2250.00, Tq 7.00, ROP 30.00, Diff 650.00							

06/22/2022	01:10	02:00	0.83	10409	10486	77	CURVE	6: BHA 6	2K	Rotary Drill f/10409.00 t/10486.00, w/WOB 20.00,Flow 275.00, RPM 20.00, Press 2250.00, Tq 7.00, ROP 92.40, Diff 650.00
06/22/2022	02:00	02:15	0.25	10486	10486	0	CURVE	6: BHA 6	5A	Circulate Hole Clean
06/22/2022	02:15	06:55	4.67	10486	10486	0	CURVE	6: BHA 6	6B	Trip Out of Hole for Lateral Assembly
06/22/2022	06:55	07:50	0.92	10486	10486	0	CURVE	6: BHA 6	6P	L/D BHA 6
06/22/2022	07:50	08:30	0.67	10486	10486	0	LATERAL	7: BHA 7	6O	P/U BHA 7
06/22/2022	08:30	14:05	5.58	10486	10486	0	LATERAL	7: BHA 7	6A	TIH T/ 9961
06/22/2022	14:05	15:10	1.08	10486	10486	0	LATERAL	7: BHA 7	3D	Ream in hole
06/22/2022	15:10	17:05	1.92	10486	10632	146	LATERAL	7: BHA 7	2K	Rotary Drill f/10486.00 t/10632.00, w/WOB 25,Flow 330, RPM 60, Press 2600, Tq 9.5, ROP 76.17, Diff 500.00
06/22/2022	17:05	17:25	0.33	10632	10644	12	LATERAL	7: BHA 7	2J	Slide Drill f/10644.00 t/10644.00, TF 30G, w/WOB 25,Flow 330, Press 2300, Tq 9.5, ROP 36.00, Diff 200.00
06/22/2022	17:25	18:00	0.58	10644	10712	68	LATERAL	7: BHA 7	2K	Rotary Drill f/10644.00 t/10712.00, w/WOB 25,Flow 330, RPM 60, Press 2600, Tq 9.5, ROP 116.57, Diff 500.00
06/22/2022	18:00	19:00	1	10712	10831	119	LATERAL	7: BHA 7	2K	Rotary Drill f/10831.00 t/10831.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 187.00, Diff 500.00
06/22/2022	19:00	19:25	0.42	10831	10851	20	LATERAL	7: BHA 7	2J	Slide Drill f/10831.00 t/10851.00, TF 160G, w/WOB 25.00,Flow 330.00, Press 2450, Tq 9.50, ROP 48.00, Diff 350.00
06/22/2022	19:25	19:55	0.5	10851	10912	61	LATERAL	7: BHA 7	2K	Rotary Drill f/10912.00 t/10912.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 122.00, Diff 500.00
06/22/2022	19:55	20:25	0.5	10912	10937	25	LATERAL	7: BHA 7	2J	Slide Drill f/10912.00 t/10937.00, TF 180G, w/WOB 25.00,Flow 330.00, Press 2450, Tq 9.50, ROP 50.00, Diff 350.00
06/22/2022	20:25	20:40	0.25	10937	10975	38	LATERAL	7: BHA 7	2K	Rotary Drill f/10975.00 t/10975.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 152.00, Diff 500.00
06/22/2022	20:40	21:05	0.42	10975	10995	20	LATERAL	7: BHA 7	2J	Slide Drill f/10975.00 t/10995.00, TF 180G, w/WOB 25.00,Flow 330.00, Press 2600.00, Tq 9.50, ROP 48.00, Diff 500.00
06/22/2022	21:05	21:15	0.17	10995	11010	15	LATERAL	7: BHA 7	2K	Rotary Drill f/10995.00 t/11010.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 90.00, Diff 500.00
06/22/2022	21:15	21:35	0.33	11010	11030	20	LATERAL	7: BHA 7	2J	Slide Drill f/11010.00 t/11030.00, TF 180G, w/WOB 25.00,Flow 330.00, Press 2450, Tq 9.50, ROP 60.00, Diff 350.00
06/22/2022	21:35	22:00	0.42	11030	11090	60	LATERAL	7: BHA 7	2K	Rotary Drill f/11090.00 t/11090.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 144.00, Diff 500.00
06/22/2022	22:00	22:20	0.33	11090	11090	0	LATERAL	7: BHA 7	8P	In Hole Rig Service
06/22/2022	22:20	22:25	0.08	11090	11103	13	LATERAL	7: BHA 7	2K	Rotary Drill f/11090.00 t/11103.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 156.00, Diff 500.00
06/22/2022	22:25	22:50	0.42	11103	11123	20	LATERAL	7: BHA 7	2J	Slide Drill f/11103.00 t/11123.00, TF -140G, w/WOB 25.00,Flow 330.00, Press 2450, Tq 9.50, ROP 48.00, Diff 350.00
06/22/2022	22:50	23:25	0.58	11123	11190	67	LATERAL	7: BHA 7	2K	Rotary Drill f/11123.00 t/11190.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2600.00, Tq 9.50, ROP 114.86, Diff 500.00
06/22/2022	23:25	24:00	0.58	11190	11215	25	LATERAL	7: BHA 7	2J	Slide Drill f/11190.00 t/11215.00, TF -140G, w/WOB 25.00,Flow 330.00, Press 2450, Tq 9.50, ROP 42.86, Diff 350.00
Well Seeker PRO 2.0.8.18 - Ameredev										

	Job #	30-025-49940			Operator:	Advance Energy Partners									
	API Job # / AFE #	30-025-49940 / NM0230			Field:	Hat Mesa									
	Report #	16			Well:	Dagger State Com 304H									
	Latitude:	32° 27' 0.418" N			Longitude:	103° 36' 48.665" W									
	Rig:	Nabor X49			County / State:	Lea / New Mexico									
	Date:	06/23/2022			Report Time:	00:00-24:00									
	Daily Cost(\$):				Well Cost(\$):										
	24hr Summary:														
24hr Lookahead:															
Drilling Summary		24Hr (BHA 7)	Run (BHA 7)	Casing Data				Fluids							
Start Depth (Usft):	11215	10486	Csg Shoe MD(Usft):					600:	8	PV:	3				
End Depth (Usft):	13382	13382	OD (in):					300:	5	YP:	2				
Total Drilled (Usft):	2167	2896	Weight (lbs/ft):					200:	4	Viscosity:	28				
Slide Drilled (Usft):	463	605					100:	3	Chlorides:	175000					
Rotary Drilled (Usft):	1704	2291					6:	2	% Sand/Solids:	0.00 / 2.34					
Drig/Circ Hrs:	22.00 / 0.58	30.50 / 1.67	Bit Details				3:	1	Oil/Water:	0/100					
Slide Drilling Hrs:	7.67	10.67	SN:	5331412				10s Gel:	2	Weight (ppg):	10				
Rotary Drilling Hrs:	14.33	19.83	Bit #	7				PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM				
ROP Rot/Slide (Usft/hr):	118.88 / 60.39	115.51 / 56.72	OD (in) / TFA:	6.750 / 1.077											
BRT Hrs:	24	39.5	Grade In:	New											
% Slide:	21.37	20.89	Grade Out:	1-4-BT-S-X-I-LT-BHA											
% Rotary:	78.63	79.11	Make / Model:	Baker Hughes /											
Personnel															
Company Man	Directional Driller	MWD Engineer	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher									
Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man										
BHA Details															
Description		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)		Total Length (Usft)						
Baker Hughes DD406VTWS - 1.08 (3x12, 3x18)		6.75				52.3	1		1						
5.75" 9/10 11:0 FBH @ 1.50deg W TS		5.75				56.2	38.7		39.7						
FLOAT SUB		5.25	2.5			50.1	2.43		42.13						
NON MAG UBHO		5.25	2.75			50.1	3.52		45.65						
NON MAG DRILL COLLAR		5	2.812			50.1	27.65		73.3						
NON MAG DRILL COLLAR		5	2.812			550.1	28.48		101.78						
CET43 X XT-39		5	2.25			50.1	4.15		105.93						
4.5" Drill Pipe		4.5	3.826				2647.02		2752.95						
5 1/4" POWERGLIDE 0.80 PLATE		5.25					21.27		2774.22						
									2774.22						
Motor Details															
SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend Angle	Rev Per Gal		Housing							
XSH57087	Intrepid		9/10	4	1.5	0.5		FBH							
Survey Data															
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)				
11211	89.14	1.78	10036.35	771.95	141.93	3.25	-120.25	770.91	-1.64	-2.81	94				
11306	89.23	2.13	10037.7	866.88	145.17	0.38	75.58	865.82	0.09	0.37	95				
11400	89.63	0.82	10038.64	960.84	147.59	1.46	-73.03	959.76	0.43	-1.39	94				
11495	90.46	0.73	10038.56	1055.83	148.88	0.88	-6.19	1054.74	0.87	-0.09	95				
11589	90.51	0.73	10037.77	1149.82	150.07	0.05	0	1148.72	0.05	0	94				
11684	89.89	359.5	10037.43	1244.82	150.27	1.45	-116.75	1243.71	-0.65	-1.29	95				
11778	91.16	0.29	10036.57	1338.81	150.09	1.59	31.88	1337.7	1.35	0.84	94				
11873	90.46	358.36	10035.23	1433.79	148.97	2.16	-109.92	1432.69	-0.74	-2.03	95				
11967	89.54	358.18	10035.23	1527.75	146.14	1	-168.93	1526.66	-0.98	-0.19	94				
12062	90.64	359.59	10035.08	1622.73	144.29	1.88	52.04	1621.65	1.16	1.48	95				
12156	90.37	359.67	10034.25	1716.72	143.68	0.3	163.5	1715.65	-0.29	0.09	94				
12250	90.55	359.85	10033.5	1810.72	143.29	0.27	45	1809.64	0.19	0.19	94				
12345	88.84	0.29	10034	1905.71	143.4	1.86	165.57	1904.64	-1.8	0.46	95				
12440	88.97	359.15	10035.82	2000.69	142.94	1.21	-83.5	1999.62	0.14	-1.2	95				
12501	88.88	358.53	10036.96	2061.67	141.7	1.03	-98.27	2060.6	-0.15	-1.02	61				
12535	88.53	358.18	10037.73	2095.64	140.73	1.46	-135.01	2094.58	-1.03	-1.03	34				
12628	89.19	356.77	10039.58	2188.53	136.63	1.67	-64.93	2187.5	0.71	-1.52	93				
12722	91.69	0.03	10038.86	2282.47	134.01	4.37	52.51	2281.46	2.66	3.47	94				
12817	90.73	359.32	10036.85	2377.45	133.47	1.26	-143.51	2376.43	-1.01	-0.75	95				
12912	89.01	358.36	10037.07	2472.42	131.55	2.07	-150.83	2471.42	-1.81	-1.01	95				
13007	89.36	357.83	10038.42	2567.36	128.39	0.67	-56.56	2566.38	0.37	-0.56	95				
13101	90.55	357.48	10038.49	2661.28	124.54	1.32	-16.39	2660.32	1.27	-0.37	94				
13196	91.69	357.04	10036.64	2756.15	120	1.29	-21.1	2755.22	1.2	-0.46	95				
13290	91.03	358.27	10034.41	2850.05	116.16	1.48	118.21	2849.14	-0.7	1.31	94				
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	100.79	28.62	69.26	235	330.5	2827.5	2102.5	0	230	200	180	12.11	7		
Run	96.53	27.59	66.94	232	330.36	2743.75	2101.79	0	230	200	180	11.64	7		
MWD Data															
Tool	SN	Type	Version	MWD Details				Battery Details							
Pulser				Orifice				Plug In Date							
Driver				Orifice Type				Plug In Time							
Directional				Pulse Width				Plug Out Date							
Battery 1				Data Rate				Plug Out Time							
Battery 2				EM Power				Plug In Hrs Tot							
Battery 3				EM Freq				Plug In Hrs Day							

Gamma					Fin Size (in)			Circ Hrs Total		2.33333333
Helix					Non Mag Above/Below		0.00 / 26.31	Circ Hours Day		0
					Total Field		47577.36	Agitator		
					Dip Angle		60.199	Agitator SN		
					Declination		6.474	Agitator->Bit		
					Grid Convergence		0.386			
					Total Correction		6.088			
					North Ref		GRID			
Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/23/2022	00:00	00:25	0.42	11215	11278	63	LATERAL	7: BHA 7	2K	Rotary Drill f/11215.00 t/11278.00, w/WOB 25.00,Flow 330.00, RPM 60.00, Press 2650, Tq 9.50, ROP 151.20, Diff 550.00
06/23/2022	00:25	01:15	0.83	11278	11388	110	LATERAL	7: BHA 7	2K	Rotary Drill f/11278.00 t/11388.00, w/WOB 30,Flow 350, RPM 70, Press 2950, Tq 9.50, ROP 132.00, Diff 750.00
06/23/2022	01:15	01:50	0.58	11388	11388	0	LATERAL	7: BHA 7	5A	Circulate To Clean Shakers
06/23/2022	01:50	02:00	0.17	11388	11388	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	02:00	03:00	1	11388	11568	180	LATERAL	7: BHA 7	2K	Rotary Drill f/11388.00 t/11568.00, w/WOB 30,Flow 330, RPM 70, Press 2900, Tq 12, ROP 180.00, Diff 800.00
06/23/2022	03:00	03:30	0.5	11568	11587	19	LATERAL	7: BHA 7	2J	Slide Drill f/11568.00 t/11587.00, TF -120G, w/WOB 15,Flow 330, Press 2500, Tq 12, ROP 38.00, Diff 400.00
06/23/2022	03:30	04:00	0.5	11587	11665	78	LATERAL	7: BHA 7	2K	Rotary Drill f/11587.00 t/11665.00, w/WOB 30,Flow 330, RPM 70, Press 2900, Tq 12, ROP 156.00, Diff 800.00
06/23/2022	04:00	04:35	0.58	11665	11689	24	LATERAL	7: BHA 7	2J	Slide Drill f/11665.00 t/11689.00, TF -120G, w/WOB 15,Flow 330, Press 2500, Tq 12, ROP 41.14, Diff 400.00
06/23/2022	04:35	06:00	1.42	11689	11689	0	LATERAL	7: BHA 7	2K	Rotary Drill f/11689.00 t/11689.00, w/WOB 30,Flow 330, RPM 70, Press 2900, Tq 12, ROP 0.00, Diff 800.00
06/23/2022	06:00	06:15	0.25	11689	11878	189	LATERAL	7: BHA 7	2J	Slide Drill f/11848.00 t/11878.00, TF -120.00G, w/WOB 15.00,Flow 330.00, Press 2450.00, Tq 12.00, ROP 120.00, Diff 350.00
06/23/2022	06:15	06:40	0.42	11878	11956	78	LATERAL	7: BHA 7	2K	Rotary Drill f/11878.00 t/11956.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 187.20, Diff 800.00
06/23/2022	06:40	06:45	0.08	11956	11956	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	06:45	07:30	0.75	11956	11979	23	LATERAL	7: BHA 7	2J	Slide Drill f/11956.00 t/11979.00, TF -170.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 30.67, Diff 800.00
06/23/2022	07:30	07:50	0.33	11979	12036	57	LATERAL	7: BHA 7	2K	Rotary Drill f/11979.00 t/12036.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 171.00, Diff 800.00
06/23/2022	07:50	07:55	0.08	12036	12036	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	07:55	08:30	0.58	12036	12129	93	LATERAL	7: BHA 7	2K	Rotary Drill f/12036.00 t/12129.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 159.43, Diff 800.00
06/23/2022	08:30	08:35	0.08	12129	12129	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	08:35	08:40	0.08	12129	12143	14	LATERAL	7: BHA 7	2K	Rotary Drill f/12129.00 t/12143.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 168.00, Diff 800.00
06/23/2022	08:40	09:20	0.67	12143	12171	28	LATERAL	7: BHA 7	2J	Slide Drill f/12143.00 t/12171.00, TF -170.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 42.00, Diff 800.00
06/23/2022	09:20	09:40	0.33	12171	12223	52	LATERAL	7: BHA 7	2K	Rotary Drill f/12171.00 t/12223.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 156.00, Diff 800.00
06/23/2022	09:40	09:45	0.08	12223	12223	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	09:45	10:05	0.33	12223	12284	61	LATERAL	7: BHA 7	2K	Rotary Drill f/12223.00 t/12284.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 183.00, Diff 800.00
06/23/2022	10:05	10:45	0.67	12284	12314	30	LATERAL	7: BHA 7	2J	Slide Drill f/12284.00 t/12314.00, TF -170.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 45.00, Diff 800.00
06/23/2022	10:45	10:50	0.08	12314	12318	4	LATERAL	7: BHA 7	2K	Rotary Drill f/12314.00 t/12318.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 48.00, Diff 800.00
06/23/2022	10:50	10:55	0.08	12318	12318	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	10:55	11:30	0.58	12318	12412	94	LATERAL	7: BHA 7	2K	Rotary Drill f/12318.00 t/12412.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 161.14, Diff 800.00
06/23/2022	11:30	11:35	0.08	12412	12412	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	11:35	11:45	0.17	12412	12425	13	LATERAL	7: BHA 7	2K	Rotary Drill f/12412.00 t/12425.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 78.00, Diff 800.00
06/23/2022	11:45	12:15	0.5	12425	12445	20	LATERAL	7: BHA 7	2J	Slide Drill f/12425.00 t/12445.00, TF -170.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 40.00, Diff 800.00
06/23/2022	12:15	12:35	0.33	12445	12507	62	LATERAL	7: BHA 7	2K	Rotary Drill f/12445.00 t/12507.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 186.00, Diff 800.00
06/23/2022	12:35	12:40	0.08	12507	12507	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	12:40	12:45	0.08	12507	12520	13	LATERAL	7: BHA 7	2K	Rotary Drill f/12507.00 t/12520.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 156.00, Diff 800.00
06/23/2022	12:45	13:15	0.5	12520	12536	16	LATERAL	7: BHA 7	2J	Slide Drill f/12520.00 t/12536.00, TF -90.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 32.00, Diff 800.00
06/23/2022	13:15	14:05	0.83	12536	12604	68	LATERAL	7: BHA 7	2K	Rotary Drill f/12536.00 t/12604.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 81.60, Diff 800.00
06/23/2022	14:05	14:25	0.33	12604	12604	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	14:25	15:05	0.67	12604	12695	91	LATERAL	7: BHA 7	2K	Rotary Drill f/12604.00 t/12695.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 136.50, Diff 800.00
06/23/2022	15:05	15:10	0.08	12695	12695	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	15:10	15:15	0.08	12695	12706	11	LATERAL	7: BHA 7	2K	Rotary Drill f/12695.00 t/12706.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 132.00, Diff 800.00

06/23/2022	15:15	15:45	0.5	12706	12728	22	LATERAL	7: BHA 7	2J	Slide Drill f/12706.00 t/12728.00, TF 110.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 44.00, Diff 800.00
06/23/2022	15:45	16:15	0.5	12728	12790	62	LATERAL	7: BHA 7	2K	Rotary Drill f/12728.00 t/12790.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 124.00, Diff 800.00
06/23/2022	16:15	16:20	0.08	12790	12790	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	16:20	16:25	0.08	12790	12799	9	LATERAL	7: BHA 7	2K	Rotary Drill f/12790.00 t/12799.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 108.00, Diff 800.00
06/23/2022	16:25	17:05	0.67	12799	12826	27	LATERAL	7: BHA 7	2J	Slide Drill f/12799.00 t/12826.00, TF -140.00G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 40.50, Diff 800.00
06/23/2022	17:05	17:45	0.67	12826	12896	70	LATERAL	7: BHA 7	2K	Rotary Drill f/12826.00 t/12896.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 105.00, Diff 800.00
06/23/2022	17:45	18:05	0.33	12896	12916	20	LATERAL	7: BHA 7	2J	Slide Drill f/12896.00 t/12916.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2900.00, Tq 12.00, ROP 40.00, Diff 800.00
06/23/2022	18:05	18:15	0.17	12916	12916	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	18:15	19:00	0.75	12916	12916	0	LATERAL	7: BHA 7	2K	Rotary Drill f/12916.00 t/12916.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 0.00, Diff 800.00
06/23/2022	19:00	21:30	2.5	12916	13268	352	LATERAL	7: BHA 7	2K	Rotary Drill f/12916.00 t/13268.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 140.80, Diff 800.00
06/23/2022	21:30	22:30	1	13268	13293	25	LATERAL	7: BHA 7	2J	Slide Drill f/13268.00 t/13293.00, TF 140G, w/WOB 30.00,Flow 330.00, Press 2400, Tq 12.00, ROP 25.00, Diff 300.00
06/23/2022	22:30	23:10	0.67	13293	13362	69	LATERAL	7: BHA 7	2K	Rotary Drill f/13293.00 t/13362.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 103.50, Diff 800.00
06/23/2022	23:10	23:30	0.33	13362	13382	20	LATERAL	7: BHA 7	2J	Slide Drill f/13362.00 t/13382.00, TF 150G, w/WOB 30.00,Flow 330.00, Press 2400, Tq 12.00, ROP 60.00, Diff 300.00
06/23/2022	23:30	23:30	0	13382	13382	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/23/2022	23:30	23:55	0.42	13382	13382	0	LATERAL	7: BHA 7	2J	Slide Drill f/13362.00 t/13382.00, TF 150G, w/WOB 30.00,Flow 330.00, Press 2400, Tq 12.00, ROP 48.00, Diff 300.00
06/23/2022	23:55	24:00	0.08	13382	13382	0	LATERAL	7: BHA 7	2K	Rotary Drill f/13382.00 t/13382.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 0.00, Diff 800.00
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #	30-025-49940			Operator:	Advance Energy Partners							
		API Job # / AFE #	30-025-49940 / NM0230			Field:	Hat Mesa							
		Report #	17			Well:	Dagger State Com 304H							
		Latitude:	32° 27' 0.418" N			Longitude:	103° 36' 48.665" W							
		Rig:	Nabor X49			County / State:	Lea / New Mexico							
		Date:	06/24/2022			Report Time:	00:00-24:00							
		Daily Cost(\$):				Well Cost(\$):								
		24hr Summary:												
		24hr Lookahead:												
Drilling Summary	24Hr (BHA 7)	Run (BHA 7)	Casing Data			Fluids								
Start Depth (Usft):	13382	10486	Csg Shoe MD(Usft):		600:	8	PV:	3						
End Depth (Usft):	14879	14879	OD (in):		300:	5	YP:	2						
Total Drilled (Usft):	1497	4393	Weight (lbs/ft):		200:	4	Viscosity:	28						
Slide Drilled (Usft):	152	757			100:	3	Chlorides:	175000						
Rotary Drilled (Usft):	1345	3636			6:	2	% Sand/Solids:	0.00 / 2.34						
Drlg/Circ Hrs:	22.67 / 0.00	53.17 / 1.67	Bit Details		3:	1	Oil/Water:	0/100						
Slide Drilling Hrs:	5.75	16.42	SN:	5331412	10s Gel:	2	Weight (ppg):	10						
Rotary Drilling Hrs:	16.92	36.75	Bit #	7	PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM						
ROP Rot/Slide (Usft/hr):	79.51 / 26.43	98.94 / 46.11	OD (in) / TFA:	6.750 / 1.077										
BRT Hrs:	24	63.5	Grade In:	New										
% Slide:	10.15	17.23	Grade Out:	1-4-BT-S-X-I-LT-BHA										
% Rotary:	89.85	82.77	Make / Model:	Baker Hughes /										
Personnel														
Company Man	Directional Driller	MWD Engineer	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher								
Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man									
BHA Details														
Description	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)	Total Length (Usft)							
Baker Hughes DD406VTWS - 1.08 (3x12, 3x18)	6.75				52.3	1	1							
5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75				56.2	38.7	39.7							
FLOAT SUB	5.25	2.5			50.1	2.43	42.13							
NON MAG UBHO	5.25	2.75			50.1	3.52	45.65							
NON MAG DRILL COLLAR	5	2.812			50.1	27.65	73.3							
NON MAG DRILL COLLAR	5	2.812			550.1	28.48	101.78							
CET43 X XT-39	5	2.25			50.1	4.15	105.93							
4.5" Drill Pipe	4.5	3.826				2647.02	2752.95							
5 1/4" POWERGLIDE 0.80 PLATE	5.25					21.27	2774.22							
							2774.22							
Motor Details														
SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend Angle	Rev Per Gal	Housing							
XSH57087	Intrepid		9/10	4	1.5	0.5	FBH							
Survey Data														
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)			
13385	90.95	359.67	10032.76	2945.01	114.45	1.48	93.26	2944.12	-0.08	1.47	95			
13479	89.05	359.85	10032.76	3039.01	114.06	2.03	174.59	3038.11	-2.02	0.19	94			
13574	89.85	0.03	10033.68	3134	113.96	0.86	12.68	3133.11	0.84	0.19	95			
13668	89.45	0.03	10034.25	3228	114.01	0.43	180	3227.1	-0.43	0	94			
13763	89.1	0.11	10035.45	3322.99	114.12	0.38	167.13	3322.09	-0.37	0.08	95			
13857	88.88	359.23	10037.11	3416.98	113.58	0.96	-104.05	3416.08	-0.23	-0.94	94			
13951	88.75	359.32	10039.05	3510.95	112.39	0.17	145.31	3510.05	-0.14	0.1	94			
14046	89.67	359.15	10040.36	3605.93	111.12	0.98	-10.47	3605.04	0.97	-0.18	95			
14140	89.14	359.06	10041.34	3699.91	109.65	0.57	-170.36	3699.03	-0.56	-0.1	94			
14235	90.73	358.27	10041.45	3794.88	107.44	1.87	-26.42	3794.02	1.67	-0.83	95			
14329	91.69	357.92	10039.46	3888.81	104.32	1.09	-20.02	3887.96	1.02	-0.37	94			
14423	91.43	359.06	10036.9	3982.74	101.84	1.24	102.84	3981.91	-0.28	1.21	94			
14517	90.95	0.03	10034.95	4076.72	101.1	1.15	116.32	4075.89	-0.51	1.03	94			
14612	88.4	1.17	10035.49	4171.7	102.09	2.94	155.91	4170.86	-2.68	1.2	95			
14706	88	0.9	10038.44	4265.64	103.79	0.51	-146	4264.79	-0.43	-0.29	94			
14800	88.31	0.82	10041.47	4359.58	105.2	0.34	-14.46	4358.71	0.33	-0.09	94			
Drilling Parameters														
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF	
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)	
24 Hrs	66.04	30.56	70	235	330	2470.37	2100	0	249.26	199.63	164.63	12	7	
Run	82.63	28.55	68	233	330.24	2654.82	2101.2	0	236.27	199.88	175	11.76	7	
MWD Data														
Tool	SN	Type	Version	MWD Details				Battery Details						
Pulser				Orifice				Plug In Date						
Driver				Orifice Type				Plug In Time						
Directional				Pulse Width				Plug Out Date						
Battery 1				Data Rate				Plug Out Time						
Battery 2				EM Power				Plug In Hrs Tot						0
Battery 3				EM Freq				Plug In Hrs Day						0
Gamma				Fin Size (in)				Circ Hrs Total						2.333333333
Helix				Non Mag Above/Below				Circ Hours Day						0
				Total Field				Agitator						
				Dip Angle				Agitator SN						
				Declination				Agitator->Bit						
				Grid Convergence										
				Total Correction										
				North Ref				GRID						

Daily Activity										
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description
06/24/2022	00:00	00:45	0.75	13382	13457	75	LATERAL	7: BHA 7	2K	Rotary Drill f/13382.00 t/13457.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900.00, Tq 12.00, ROP 100.00, Diff 800.00
06/24/2022	00:45	01:45	1	13457	13481	24	LATERAL	7: BHA 7	2J	Slide Drill f/13457.00 t/13481.00, TF 160G, w/WOB 30.00,Flow 330.00, Press 2400, Tq 12.00, ROP 24.00, Diff 300.00
06/24/2022	01:45	04:00	2.25	13481	13665	184	LATERAL	7: BHA 7	2K	Rotary Drill f/13481.00 t/13665.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900, Tq 12.00, ROP 69.00, Diff 800.00
06/24/2022	04:00	04:45	0.75	13665	13685	20	LATERAL	7: BHA 7	2J	Slide Drill f/13665.00 t/13685.00, TF G, w/WOB 30.00,Flow 330.00, Press 2400, Tq 12.00, ROP 26.67, Diff 300.00
06/24/2022	04:45	05:30	0.75	13685	13735	50	LATERAL	7: BHA 7	2K	Rotary Drill f/13685.00 t/13735.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2900, Tq 12.00, ROP 66.67, Diff 800.00
06/24/2022	05:30	05:35	0.08	13735	13735	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	05:35	06:45	1.17	13735	13830	95	LATERAL	7: BHA 7	2K	Rotary Drill f/13735.00 t/13830.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 81.43, Diff 300.00
06/24/2022	06:45	06:50	0.08	13830	13830	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	06:50	07:55	1.08	13830	13923	93	LATERAL	7: BHA 7	2K	Rotary Drill f/13830.00 t/13923.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 85.85, Diff 300.00
06/24/2022	07:55	08:00	0.08	13923	13923	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	08:00	08:55	0.92	13923	14020	97	LATERAL	7: BHA 7	2K	Rotary Drill f/13923.00 t/14020.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 105.82, Diff 300.00
06/24/2022	08:55	09:00	0.08	14020	14020	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	09:00	10:00	1	14020	14113	93	LATERAL	7: BHA 7	2K	Rotary Drill f/14020.00 t/14113.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 93.00, Diff 300.00
06/24/2022	10:00	10:20	0.33	14113	14113	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	10:20	11:15	0.92	14113	14207	94	LATERAL	7: BHA 7	2K	Rotary Drill f/14113.00 t/14207.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 102.55, Diff 300.00
06/24/2022	11:15	11:20	0.08	14207	14207	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	11:20	11:25	0.08	14207	14220	13	LATERAL	7: BHA 7	2K	Rotary Drill f/14207.00 t/14220.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 156.00, Diff 300.00
06/24/2022	11:25	12:10	0.75	14220	14235	15	LATERAL	7: BHA 7	2J	Slide Drill f/14220.00 t/14235.00, TF 160.00G, w/WOB 30.00,Flow 330.00, Press 2400.00, Tq 12.00, ROP 20.00, Diff 300.00
06/24/2022	12:10	13:00	0.83	14235	14302	67	LATERAL	7: BHA 7	2K	Rotary Drill f/14235.00 t/14302.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 80.40, Diff 300.00
06/24/2022	13:00	13:05	0.08	14302	14302	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	13:05	14:20	1.25	14302	14395	93	LATERAL	7: BHA 7	2K	Rotary Drill f/14302.00 t/14395.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 74.40, Diff 300.00
06/24/2022	14:20	14:35	0.25	14395	14395	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	14:35	14:45	0.17	14395	14404	9	LATERAL	7: BHA 7	2K	Rotary Drill f/14395.00 t/14404.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 54.00, Diff 300.00
06/24/2022	14:45	15:25	0.67	14404	14424	20	LATERAL	7: BHA 7	2J	Slide Drill f/14404.00 t/14424.00, TF 180.00G, w/WOB 30.00,Flow 330.00, Press 2400.00, Tq 12.00, ROP 30.00, Diff 300.00
06/24/2022	15:25	15:40	0.25	14424	14435	11	LATERAL	7: BHA 7	2K	Rotary Drill f/14424.00 t/14435.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 44.00, Diff 300.00
06/24/2022	15:40	15:50	0.17	14435	14435	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	15:50	16:35	0.75	14435	14490	55	LATERAL	7: BHA 7	2K	Rotary Drill f/14435.00 t/14490.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 73.33, Diff 300.00
06/24/2022	16:35	16:40	0.08	14490	14490	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/24/2022	16:40	16:50	0.17	14490	14498	8	LATERAL	7: BHA 7	2K	Rotary Drill f/14490.00 t/14498.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 48.00, Diff 300.00
06/24/2022	16:50	17:55	1.08	14498	14528	30	LATERAL	7: BHA 7	2J	Slide Drill f/14498.00 t/14528.00, TF 160.00G, w/WOB 30.00,Flow 330.00, Press 2400.00, Tq 12.00, ROP 27.69, Diff 300.00
06/24/2022	17:55	18:45	0.83	14528	14588	60	LATERAL	7: BHA 7	2K	Rotary Drill f/14528.00 t/14588.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 72.00, Diff 300.00
06/24/2022	18:45	18:55	0.17	14588	14588	0	LATERAL	7: BHA 7	2K	Rotary Drill f/14588.00 t/14588.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2400.00, Tq 12.00, ROP 0.00, Diff 300.00
06/24/2022	18:55	19:45	0.83	14588	14613	25	LATERAL	7: BHA 7	2J	Slide Drill f/14588.00 t/14613.00, TF 180G, w/WOB 45,Flow 330.00, Press 2400.00, Tq 12.00, ROP 30.00, Diff 300.00
06/24/2022	19:45	21:00	1.25	14613	14683	70	LATERAL	7: BHA 7	2K	Rotary Drill f/14613.00 t/14683.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600, Tq 12.00, ROP 56.00, Diff 500.00
06/24/2022	21:00	21:25	0.42	14683	14698	15	LATERAL	7: BHA 7	2J	Slide Drill f/14683.00 t/14698.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2400.00, Tq 12.00, ROP 36.00, Diff 300.00
06/24/2022	21:25	23:45	2.33	14698	14876	178	LATERAL	7: BHA 7	2K	Rotary Drill f/14698.00 t/14876.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600, Tq 12.00, ROP 76.29, Diff 500.00
06/24/2022	23:45	24:00	0.25	14876	14879	3	LATERAL	7: BHA 7	2J	Slide Drill f/14876.00 t/14879.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2400.00, Tq 12.00, ROP 12.00, Diff 300.00
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #	30-025-49940		Operator:	Advance Energy Partners							
		API Job # / AFE #	30-025-49940 / NM0230		Field:	Hat Mesa							
		Report #	18		Well:	Dagger State Com 304H							
		Latitude:	32° 27' 0.418" N		Longitude:	103° 36' 48.665" W							
		Rig:	Nabor X49		County / State:	Lea / New Mexico							
		Date:	06/25/2022		Report Time:	00:00-24:00							
		Daily Cost(\$):			Well Cost(\$):								
		24hr Summary:											
		24hr Lookahead:											
Drilling Summary		24Hr (BHA 7)	Run (BHA 7)		Casing Data		Fluids						
Start Depth (Usft):		14879	10486		Csg Shoe MD(Usft):	600: 8		PV: 3					
End Depth (Usft):		16093	16093		OD (in):	300: 5		YP: 2					
Total Drilled (Usft):		1214	5607		Weight (lbs/ft):	200: 4		Viscosity: 28					
Slide Drilled (Usft):		113	870			100: 3		Chlorides: 175000					
Rotary Drilled (Usft):		1101	4737			6: 2		% Sand/Solids: 0.00 / 2.34					
Drlg/Circ Hrs:		23.25 / 0.00	76.42 / 1.67		Bit Details		3: 1		Oil/Water: 0/100				
Slide Drilling Hrs:		4.67	21.08		SN:	5331412		10s Gel: 2	Weight (ppg): 10				
Rotary Drilling Hrs:		18.58	55.33		Bit #	7		PH / Temp(F)	7.0 / 0.00	Mud Type: WBM			
ROP Rot/Slide (Usft/hr):		59.25 / 24.21	85.61 / 41.26		OD (in) / TFA:	6.750 / 1.077							
BRT Hrs:		24	87.5		Grade In:	New							
% Slide:		9.31	15.52		Grade Out:	1-4-BT-S-X-I-LT-BHA							
% Rotary:		90.69	84.48		Make / Model:	Baker Hughes /							
Personnel													
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist	Tool Pusher		
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man			
BHA Details													
Description		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)		Total Length (Usft)				
Baker Hughes DD406VTWS - 1.08 (3x12, 3x18)		6.75				52.3	1		1				
5.75" 9/10 11:0 FBH @ 1.50deg W TS		5.75				56.2	38.7		39.7				
FLOAT SUB		5.25	2.5			50.1	2.43		42.13				
NON MAG UBHO		5.25	2.75			50.1	3.52		45.65				
NON MAG DRILL COLLAR		5	2.812			50.1	27.65		73.3				
NON MAG DRILL COLLAR		5	2.812			550.1	28.48		101.78				
CET43 X XT-39		5	2.25			50.1	4.15		105.93				
4.5" Drill Pipe		4.5	3.826				2647.02		2752.95				
5 1/4" POWERGLIDE 0.80 PLATE		5.25					21.27		2774.22				
									2774.22				
Motor Details													
SN		Make		Model		Lobes	Bit to Bend(Usft)		Bend Angle		Rev Per Gal	Housing	
XSH57087		Intrepid				9/10	4		1.5		0.5	FBH	
Survey Data													
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)		
14895	87.03	1.08	10045.33	4454.48	106.77	1.37	168.53	4453.61	-1.35	0.27	95		
14990	87.52	0.9	10049.85	4549.36	108.41	0.55	-20.15	4548.47	0.52	-0.19	95		
15085	88.09	0.55	10053.49	4644.28	109.61	0.7	-31.54	4643.38	0.6	-0.37	95		
15179	89.27	0.29	10055.65	4738.26	110.3	1.29	-12.43	4737.34	1.26	-0.28	94		
15274	90.33	0.29	10055.98	4833.25	110.78	1.12	0	4832.34	1.12	0	95		
15370	90.73	359.67	10055.09	4929.25	110.75	0.77	-57.17	4928.33	0.42	-0.65	96		
15464	90.64	359.23	10053.97	5023.24	109.85	0.48	-101.56	5022.32	-0.1	-0.47	94		
15557	91.08	358.53	10052.58	5116.21	108.03	0.89	-57.84	5115.3	0.47	-0.75	93		
15652	90.51	359.15	10051.26	5211.18	106.1	0.89	132.59	5210.29	-0.6	0.65	95		
15747	89.49	359.67	10051.26	5306.17	105.13	1.21	152.99	5305.28	-1.07	0.55	95		
15841	88.7	0.03	10052.74	5400.16	104.88	0.92	155.51	5399.27	-0.84	0.38	94		
15936	88.53	359.67	10055.04	5495.13	104.63	0.42	-115.29	5494.24	-0.18	-0.38	95		
16030	89.27	358.97	10056.84	5589.1	103.52	1.08	-43.41	5588.22	0.79	-0.74	94		
Drilling Parameters													
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)
24 Hrs	42.44	30	72.86	238	330	2541.67	2100	0	250	200	165	12	7
Run	77.42	28.74	68.55	234	330.21	2640.53	2101.05	0	238	199.89	173.74	11.79	7
MWD Data													
Tool		SN	Type	Version	MWD Details				Battery Details				
Pulser					Orifice				Plug In Date				
Driver					Orifice Type				Plug In Time				
Directional					Pulse Width				Plug Out Date				
Battery 1					Data Rate				Plug Out Time				
Battery 2					EM Power				Plug In Hrs Tot			0	
Battery 3					EM Freq				Plug In Hrs Day			0	
Gamma					Fin Size (in)				Circ Hrs Total			2.333333333	
Helix					Non Mag Above/Below				Circ Hours Day			0	
					Total Field				Agitator				
					Dip Angle				Agitator SN				
					Declination				Agitator->Bit				
					Grid Convergence								
					Total Correction								
					North Ref								
Daily Activity													
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description			

06/25/2022	00:00	00:40	0.67	14879	14896	17	LATERAL	7: BHA 7	2J	Slide Drill f/14879.00 t/14896.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2400.00, Tq 12.00, ROP 25.50, Diff 300.00
06/25/2022	00:40	00:45	0.08	14896	14896	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/25/2022	00:45	05:00	4.25	14896	15215	319	LATERAL	7: BHA 7	2K	Rotary Drill f/14896.00 t/15215.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600, Tq 12.00, ROP 75.06, Diff 500.00
06/25/2022	05:00	05:15	0.25	15215	15215	0	LATERAL	7: BHA 7	2K	Rotary Drill f/15215.00 t/15215.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600, Tq 12.00, ROP 0.00, Diff 500.00
06/25/2022	05:15	08:00	2.75	15215	15215	0	LATERAL	7: BHA 7	2K	Rotary Drill f/15215.00 t/15215.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 101.88, Diff 500.00
06/25/2022	08:00	12:05	4.08	15215	15631	416	LATERAL	7: BHA 7	2K	Rotary Drill f/15215.00 t/15631.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 101.88, Diff 500.00
06/25/2022	12:05	12:30	0.42	15631	15631	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/25/2022	12:30	13:40	1.17	15631	15660	29	LATERAL	7: BHA 7	2J	Slide Drill f/15631.00 t/15660.00, TF 150.00G, w/WOB 30.00,Flow 330.00, Press 2600.00, Tq 12.00, ROP 24.86, Diff 500.00
06/25/2022	13:40	14:40	1	15660	15725	65	LATERAL	7: BHA 7	2K	Rotary Drill f/15660.00 t/15725.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 65.00, Diff 500.00
06/25/2022	14:40	14:55	0.25	15725	15725	0	LATERAL	7: BHA 7	10D	Survey & Connection
06/25/2022	14:55	16:00	1.08	15725	15752	27	LATERAL	7: BHA 7	2J	Slide Drill f/15725.00 t/15752.00, TF 180.00G, w/WOB 30.00,Flow 330.00, Press 2400, Tq 12.00, ROP 24.92, Diff 300.00
06/25/2022	16:00	17:15	1.25	15752	15821	69	LATERAL	7: BHA 7	2K	Rotary Drill f/15752.00 t/15821.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 55.20, Diff 500.00
06/25/2022	17:15	18:15	1	15821	15846	25	LATERAL	7: BHA 7	2J	Slide Drill f/15821.00 t/15846.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2450, Tq 12.00, ROP 25.00, Diff 350.00
06/25/2022	18:15	19:50	1.58	15846	15915	69	LATERAL	7: BHA 7	2K	Rotary Drill f/15846.00 t/15915.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 43.58, Diff 500.00
06/25/2022	19:50	20:35	0.75	15915	15930	15	LATERAL	7: BHA 7	2J	Slide Drill f/15915.00 t/15930.00, TF -160G, w/WOB 30.00,Flow 330.00, Press 2450, Tq 12.00, ROP 20.00, Diff 350.00
06/25/2022	20:35	23:00	2.42	15930	16040	110	LATERAL	7: BHA 7	2K	Rotary Drill f/15930.00 t/16040.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 45.52, Diff 500.00
06/25/2022	23:00	24:00	1	16040	16093	53	LATERAL	7: BHA 7	2K	Rotary Drill f/16040.00 t/16093.00, w/WOB 30.00,Flow 330.00, RPM 90, Press 2600.00, Tq 12.00, ROP 53.00, Diff 500.00
Well Seeker PRO 2.0.8.18 - Ameredev										

				Job #		30-025-49940		Operator:		Advance Energy Partners																	
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa																	
				Report #		19		Well:		Dagger State Com 304H																	
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W																	
				Rig:		Nabor X49		County / State:		Lea / New Mexico																	
				Date:		06/26/2022		Report Time:		00:00-24:00																	
				Daily Cost(\$):				Well Cost(\$):																			
				24hr Summary:																							
				24hr Lookahead:																							
				Drilling Summary		24Hr (BHA 8)		Run (BHA 8)		Casing Data		Fluids															
Start Depth (Usft):		16093		16568		Csg Shoe MD(Usft):		600:		8		PV:		3													
End Depth (Usft):		16568		16568		OD (in):		300:		5		YP:		2													
Total Drilled (Usft):						Weight (lbs/ft):		200:		4		Viscosity:		28													
Slide Drilled (Usft):								100:		3		Chlorides:		175000													
Rotary Drilled (Usft):								6:		2		% Sand/Solids:		0.00 / 2.34													
Drlg/Circ Hrs:						Bit Details		3:		1		Oil/Water:		0/100													
Slide Drilling Hrs:						SN:		5331412		10s Gel:		2		Weight (ppg):		10											
Rotary Drilling Hrs:						Bit #		7		PH / Temp(F)		7.0 / 0.00		Mud Type:		WBM											
ROP Rot/Slide (Usft/hr):						OD (in) / TFA:		6.750 / 1.077																			
BRT Hrs:		2.17		2.17		Grade In:		New																			
% Slide:						Grade Out:		1-4-BT-S-X-I-LT-BHA																			
% Rotary:						Make / Model:		Baker Hughes /																			
Personnel																											
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher															
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man																	
BHA Details																											
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)											
Baker Hughes DD406VTWS - 1.08 (3x12, 3x18)				6.75								52.3		1		1											
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75								56.2		38.7		39.7											
FLOAT SUB				5.25		2.5						50.1		2.43		42.13											
NON MAG UBHO				5.25		2.75						50.1		3.52		45.65											
NON MAG DRILL COLLAR				5		2.812						50.1		27.65		73.3											
NON MAG DRILL COLLAR				5		2.812						550.1		28.48		101.78											
CET43 X XT-39				5		2.25						50.1		4.15		105.93											
4.5" Drill Pipe				4.5		3.826								2647.02		2752.95											
5 1/4" POWERGLIDE 0.80 PLATE				5.25										21.27		2774.22											
																2774.22											
Motor Details																											
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing													
XSH57087		Intrepid				9/10		4		1.5		0.5		FBH													
Survey Data																											
MD (Usft)		INC		AZI		TVD (Usft)		NS (Usft)		EW (Usft)		DLS (°/100ft)		TFO		VS (Usft)		BR (°/100ft)		TR (°/100ft)		CL (Usft)					
16125		88.62		358.71		10058.59		5684.07		101.59		0.74		-158.2		5683.2		-0.68		-0.27		95					
16220		89.1		358.36		10060.48		5779.02		99.16		0.63		-36.1		5778.16		0.51		-0.37		95					
16314		88.09		358.18		10062.79		5872.95		96.33		1.09		-169.9		5872.11		-1.07		-0.19		94					
16409		88.66		357.74		10065.48		5967.85		92.95		0.76		-37.66		5967.03		0.6		-0.46		95					
16503		89.49		357.3		10067		6061.75		88.88		1		-27.93		6060.95		0.88		-0.47		94					
Drilling Parameters																											
		ROP		WOB		RPM		RPM DH		FLOW		SPP ON		SPP OFF		SPM		PU		ROT		SO		TQ ON		TQ OFF	
		(Usft/hr)		(klbs)						(gpm)		(psi)		(psi)				(klbs)		(klbs)		(klbs)		(kftlbs)		(kftlbs)	
24 Hrs		43.85		30		72.86		238		330		2541.67		2100		0		250		200		165		12		7	
Run		69.71		28.74		68.55		234		330.21		2640.53		2101.05		0		238		199.89		173.74		11.79		7	
MWD Data																											
Tool		SN		Type		Version		MWD Details				Battery Details															
Pulser								Orifice				Plug In Date															
Driver								Orifice Type				Plug In Time															
Directional								Pulse Width				Plug Out Date															
Battery 1								Data Rate				Plug Out Time															
Battery 2								EM Power				Plug In Hrs Tot						0									
Battery 3								EM Freq				Plug In Hrs Day						0									
Gamma								Fin Size (in)				Circ Hrs Total						2.333333333									
Helix								Non Mag Above/Below				Circ Hours Day						0									
								Total Field				47577.36						Agitator									
								Dip Angle				60.199						Agitator SN									
								Declination				6.474						Agitator->Bit									
								Grid Convergence				0.386															
								Total Correction				6.088															
								North Ref				GRID															
Daily Activity																											
Date		From		To		Hrs		Start (Usft)		End (Usft)		CL		Phase		BHA		Code		Description							
06/26/2022		00:00		00:20		0.33		16093		16107		14		LATERAL		7: BHA 7		2K		Rotary Drill f/16093.00 t/16107.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 42.00, Diff 500.00							
06/26/2022		00:20		01:25		1.08		16107		16127		20		LATERAL		7: BHA 7		2J		Slide Drill f/16107.00 t/16127.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2350, Tq 12.00, ROP 18.46, Diff 250.00							
06/26/2022		01:25		04:45		3.33		16127		16291		164		LATERAL		7: BHA 7		2K		Rotary Drill f/16127.00 t/16291.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 49.20, Diff 500.00							
06/26/2022		04:45		05:00		0.25		16291		16291		0		LATERAL		7: BHA 7		2K		Rotary Drill f/16291.00 t/16291.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 0.00, Diff 500.00							

06/26/2022	05:00	06:05	1.08	16291	16311	20	LATERAL	7: BHA 7	2J	Slide Drill f/16291.00 t/16311.00, TF 180G, w/WOB 30.00,Flow 330.00, Press 2600.00, Tq 12.00, ROP 18.46, Diff 500.00
06/26/2022	06:05	10:50	4.75	16311	16568	257	LATERAL	7: BHA 7	2K	Rotary Drill f/16311.00 t/16568.00, w/WOB 30.00,Flow 330.00, RPM 70.00, Press 2600.00, Tq 12.00, ROP 54.11, Diff 500.00
06/26/2022	10:50	11:30	0.67	16568	16568	0	LATERAL	7: BHA 7	5A	Circulate to POOH
06/26/2022	11:30	19:15	7.75	16568	16568	0	LATERAL	7: BHA 7	6B	POOH due to holding 1200 extra psi
06/26/2022	19:15	19:45	0.5	16568	16568	0	LATERAL	7: BHA 7	6P	C/O bit and Motor
06/26/2022	19:45	21:10	1.42	16568	16568	0	LATERAL	7: BHA 7	8A	Work on Rig
06/26/2022	21:10	21:50	0.67	16568	16568	0	LATERAL	8: BHA 8	6O	M/U BHA 8
06/26/2022	21:50	23:05	1.25	16568	16568	0	LATERAL	8: BHA 8	24A	Shut down for weather.
06/26/2022	23:05	24:00	0.92	16568	16568	0	LATERAL	8: BHA 8	6A	TIH
Well Seeker PRO 2.0.8.18 - Ameredev										

		Job #	30-025-49940			Operator:		Advance Energy Partners					
		API Job # / AFE #	30-025-49940 / NM0230			Field:		Hat Mesa					
		Report #	20			Well:		Dagger State Com 304H					
		Latitude:	32° 27' 0.418" N			Longitude:		103° 36' 48.665" W					
		Rig:	Nabor X49			County / State:		Lea / New Mexico					
		Date:	06/27/2022			Report Time:		00:00-24:00					
		Daily Cost(\$):				Well Cost(\$):							
		24hr Summary:											
		24hr Lookahead:											
Drilling Summary	24Hr (BHA 8)	Run (BHA 8)	Casing Data			Fluids							
Start Depth (Usft):	16568	16568	Csg Shoe MD(Usft):			600:	8	PV:	3				
End Depth (Usft):	17708	17708	OD (in):			300:	5	YP:	2				
Total Drilled (Usft):	1140	1140	Weight (lbs/ft):			200:	4	Viscosity:	28				
Slide Drilled (Usft):	131	131				100:	3	Chlorides:	175000				
Rotary Drilled (Usft):	1009	1009				6:	2	% Sand/Solids:	0.00 / 2.34				
Drlg/Circ Hrs:	15.00 / 4.00	15.00 / 4.00	Bit Details			3:	1	Oil/Water:	0/100				
Slide Drilling Hrs:	4.08	4.08	SN:	5327212		10s Gel:	2	Weight (ppg):	10				
Rotary Drilling Hrs:	10.92	10.92	Bit #	8		PH / Temp(F)	7.0 / 0.00	Mud Type:	WBM				
ROP Rot/Slide (Usft/hr):	92.43 / 32.08	92.43 / 32.08	OD (in) / TFA:	6.750 / 0.920									
BRT Hrs:	24	26.17	Grade In:	New									
% Slide:	11.49	11.49	Grade Out:	1-2-CT-G-X-I-NO-TD									
% Rotary:	88.51	88.51	Make / Model:	Baker Hughes /									
Personnel													
Company Man	Directional Driller	MWD Engineer	Drilling Engineer	Mud Engineer	Geologist	Tool Pusher							
Trainee 1	Trainee 2	RSS Eng. 1	Rss Eng. 2	Third Man	Fourth Man								
BHA Details													
Description		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)	Length (Usft)		Total Length (Usft)				
Baker Hughes DD406VTW - 0.92 (3x12, 3x16)		6.75				52.3	1		1				
5.75" 9/10 11:0 FBH @ 1.50deg W TS		5.75				56.2	38.7		39.7				
FLOAT SUB		5.25	2.5			50.1	2.43		42.13				
NON MAG UBHO		5.25	2.75			50.1	3.52		45.65				
NON MAG DRILL COLLAR		5	2.812			50.1	27.65		73.3				
NON MAG DRILL COLLAR		5	2.812			550.1	28.48		101.78				
CET43 X XT-39		5	2.25			50.1	4.15		105.93				
4.5" Drill Pipe		4.5	3.826				2647.02		2752.95				
5 1/4" POWERGLIDE 0.80 PLATE		5.25					21.57		2774.52				
									2774.52				
Motor Details													
SN	Make	Model	Lobes	Bit to Bend(Usft)	Bend Angle	Rev Per Gal	Housing						
XSH57077	Intrepid		9/10	4	1.5	0.5	FBH						
Survey Data													
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)	TFO	VS (Usft)	BR (°/100ft)	TR (°/100ft)	CL (Usft)		
16503	89.49	357.3	10067	6061.75	88.88	1	-27.93	6060.95	0.88	-0.47	94		
16597	90.24	358.53	10067.22	6155.68	85.46	1.53	58.63	6154.91	0.8	1.31	94		
16692	90.64	359.06	10066.49	6250.66	83.46	0.7	52.95	6249.9	0.42	0.56	95		
16786	90.86	359.32	10065.26	6344.64	82.13	0.36	49.76	6343.89	0.23	0.28	94		
16881	90.33	0.38	10064.27	6439.63	81.89	1.25	116.56	6438.88	-0.56	1.12	95		
16976	89.93	0.82	10064.06	6534.63	82.88	0.63	132.27	6533.87	-0.42	0.46	95		
17070	89.8	0.73	10064.28	6628.62	84.15	0.17	-145.31	6627.84	-0.14	-0.1	94		
17164	88.84	0.64	10065.39	6722.6	85.28	1.03	-174.65	6721.82	-1.02	-0.1	94		
17258	88.75	0.64	10067.37	6816.58	86.33	0.1	180	6815.78	-0.1	0	94		
17352	89.36	0.55	10068.92	6910.56	87.3	0.66	-8.39	6909.76	0.65	-0.1	94		
17447	89.23	0.29	10070.09	7005.55	88	0.31	-116.57	7004.74	-0.14	-0.27	95		
17541	90.07	0.2	10070.66	7099.54	88.4	0.9	-6.12	7098.73	0.89	-0.1	94		
17636	90.95	359.41	10069.82	7194.54	88.08	1.24	-41.91	7193.72	0.93	-0.83	95		
Drilling Parameters													
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)
24 Hrs	0	27.31	70	245	350	3000	2400	0	230	200	175	19.14	7
Run	0	27.31	70	245	350	3000	2400	0	230	200	175	19.14	7
MWD Data													
Tool	SN	Type	Version	MWD Details				Battery Details					
Pulser				Orifice				Plug In Date					
Driver				Orifice Type				Plug In Time					
Directional				Pulse Width				Plug Out Date					
Battery 1				Data Rate				Plug Out Time					
Battery 2				EM Power				Plug In Hrs Tot					
Battery 3				EM Freq				Plug In Hrs Day					
Gamma				Fin Size (in)				Circ Hrs Total					
Helix				Non Mag Above/Below				Circ Hours Day					
				Total Field				Agitator					
				Dip Angle				Agitator SN					
				Declination				Agitator->Bit					
				Grid Convergence									
				Total Correction									
				North Ref				GRID					
Daily Activity													
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description			
06/27/2022	00:00	05:00	5	16568	16568	0	LATERAL	8: BHA 8	6A	TIH			

06/27/2022	05:00	09:00	4	16568	16568	0	LATERAL	8: BHA 8	3D	Ream F/13701
06/27/2022	09:00	09:20	0.33	16568	16585	17	LATERAL	8: BHA 8	2K	Rotary Drill f/16568.00 t/16585.00, w/WOB 25.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 18.00, ROP 51.00, Diff 600.00
06/27/2022	09:20	09:55	0.58	16585	16604	19	LATERAL	8: BHA 8	2J	Slide Drill f/16585.00 t/16604.00, TF G, w/WOB 25.00,Flow 350.00, Press 3000.00, Tq 18.00, ROP 32.57, Diff 600.00
06/27/2022	09:55	11:30	1.58	16604	16767	163	LATERAL	8: BHA 8	2K	Rotary Drill f/16604.00 t/16767.00, w/WOB 25.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 18.00, ROP 102.95, Diff 600.00
06/27/2022	11:30	12:20	0.83	16767	16792	25	LATERAL	8: BHA 8	2J	Slide Drill f/16767.00 t/16792.00, TF G, w/WOB 25.00,Flow 350.00, Press 3000.00, Tq 18.00, ROP 30.00, Diff 600.00
06/27/2022	12:20	13:00	0.67	16792	16864	72	LATERAL	8: BHA 8	2K	Rotary Drill f/16792.00 t/16864.00, w/WOB 25.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 18.00, ROP 108.00, Diff 600.00
06/27/2022	13:00	13:35	0.58	16864	16884	20	LATERAL	8: BHA 8	2J	Slide Drill f/16864.00 t/16884.00, TF G, w/WOB 25.00,Flow 350.00, Press 3000.00, Tq 18.00, ROP 34.29, Diff 600.00
06/27/2022	13:35	14:20	0.75	16884	16958	74	LATERAL	8: BHA 8	2K	Rotary Drill f/16884.00 t/16958.00, w/WOB 25.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 20.00, ROP 98.67, Diff 600.00
06/27/2022	14:20	14:55	0.58	16958	16978	20	LATERAL	8: BHA 8	2J	Slide Drill f/16958.00 t/16978.00, TF G, w/WOB 30.00,Flow 350.00, Press 3000.00, Tq 20.00, ROP 34.29, Diff 600.00
06/27/2022	14:55	15:35	0.67	16978	17053	75	LATERAL	8: BHA 8	2K	Rotary Drill f/16978.00 t/17053.00, w/WOB 30.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 20.00, ROP 112.50, Diff 600.00
06/27/2022	15:35	16:20	0.75	17053	17071	18	LATERAL	8: BHA 8	2J	Slide Drill f/17053.00 t/17071.00, TF G, w/WOB 30.00,Flow 350.00, Press 3000.00, Tq 20.00, ROP 24.00, Diff 600.00
06/27/2022	16:20	17:15	0.92	17071	17147	76	LATERAL	8: BHA 8	2K	Rotary Drill f/17071.00 t/17147.00, w/WOB 30.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 20.00, ROP 82.91, Diff 600.00
06/27/2022	17:15	18:00	0.75	17147	17176	29	LATERAL	8: BHA 8	2J	Slide Drill f/17147.00 t/17176.00, TF G, w/WOB 30.00,Flow 350.00, Press 3000.00, Tq 20.00, ROP 38.67, Diff 600.00
06/27/2022	18:00	24:00	6	17176	17708	532	LATERAL	8: BHA 8	2K	Rotary Drill f/17176.00 t/17708.00, w/WOB 30.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 20.00, ROP 88.67, Diff 600.00
Well Seeker PRO 2.0.8.18 - Ameredev										

				Job #		30-025-49940		Operator:		Advance Energy Partners							
				API Job # / AFE #		30-025-49940 / NM0230		Field:		Hat Mesa							
				Report #		21		Well:		Dagger State Com 304H							
				Latitude:		32° 27' 0.418" N		Longitude:		103° 36' 48.665" W							
				Rig:		Nabor X49		County / State:		Lea / New Mexico							
				Date:		06/28/2022		Report Time:		00:00-24:00							
				Daily Cost(\$):				Well Cost(\$):									
				24hr Summary:													
				24hr Lookahead:													
Drilling Summary		24Hr (BHA 8)		Run (BHA 8)		Casing Data				Fluids							
Start Depth (Usft):		17708		16568		Csg Shoe MD(Usft):				600:		8		PV:		3	
End Depth (Usft):		18220		18220		OD (in):				300:		5		YP:		2	
Total Drilled (Usft):		512		1652		Weight (lbs/ft):				200:		4		Viscosity:		28	
Slide Drilled (Usft):				131						100:		3		Chlorides:		175000	
Rotary Drilled (Usft):		512		1521						6:		2		% Sand/Solids:		0.00 / 2.34	
Drlg/Circ Hrs:		8.75 / 2.75		23.75 / 6.75		Bit Details				3:		1		Oil/Water:		0/100	
Slide Drilling Hrs:				4.08		SN:		5327212		10s Gel:		2		Weight (ppg):		10	
Rotary Drilling Hrs:		8.75		19.67		Bit #		8		PH / Temp(F)		7.0 / 0.00		Mud Type:		WBM	
ROP Rot/Slide (Usft/hr):		58.51 / 0.00		77.34 / 32.08		OD (in) / TFA:		6.750 / 0.920									
BRT Hrs:		24		50.17		Grade In:		New									
% Slide:				7.93		Grade Out:		1-2-CT-G-X-I-NO-TD									
% Rotary:		100		92.07		Make / Model:		Baker Hughes /									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Baker Hughes DD406VTW - 0.92 (3x12, 3x16)				6.75								52.3		1		1	
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75								56.2		38.7		39.7	
FLOAT SUB				5.25		2.5						50.1		2.43		42.13	
NON MAG UBHO				5.25		2.75						50.1		3.52		45.65	
NON MAG DRILL COLLAR				5		2.812						50.1		27.65		73.3	
NON MAG DRILL COLLAR				5		2.812						550.1		28.48		101.78	
CET43 X XT-39				5		2.25						50.1		4.15		105.93	
4.5" Drill Pipe				4.5		3.826								2647.02		2752.95	
5 1/4" POWERGLIDE 0.80 PLATE				5.25										21.57		2774.52	
																2774.52	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSH57077		Intrepid				9/10		4		1.5		0.5		FBH			
Survey Data																	
MD (Usft)	INC	AZI	TVD (Usft)	NS (Usft)	EW (Usft)	DLS (°/100ft)		TFO	VS (Usft)	BR (°/100ft)		TR (°/100ft)		CL (Usft)			
17731	91.34	358.71	10067.92	7289.51	86.52	0.84		-60.86	7288.7	0.41		-0.74		95			
17825	91.38	358	10065.69	7383.44	83.82	0.76		-86.77	7382.65	0.04		-0.76		94			
17920	92.13	357.56	10062.78	7478.32	80.14	0.92		-30.38	7477.56	0.79		-0.46		95			
18014	92.9	357.04	10058.66	7572.13	75.72	0.99		-34	7571.39	0.82		-0.55		94			
18109	93.58	356.6	10053.29	7666.83	70.46	0.85		-32.85	7666.13	0.72		-0.46		95			
18152	93.85	356.51	10050.5	7709.66	67.88	0.66		-18.4	7708.98	0.63		-0.21		43			
Drilling Parameters																	
	ROP	WOB	RPM	RPM DH	FLOW	SPP ON	SPP OFF	SPM	PU	ROT	SO	TQ ON	TQ OFF				
	(Usft/hr)	(klbs)			(gpm)	(psi)	(psi)		(klbs)	(klbs)	(klbs)	(kftlbs)	(kftlbs)				
24 Hrs	0	30	70	245	350	3000	2400	0	230	200	175	20	7				
Run	76	27.5	70	245	350	3000	2400	0	230	200	175	19.25	7				
MWD Data																	
Tool		SN		Type	Version	MWD Details				Battery Details							
Pulser						Orifice				Plug In Date							
Driver						Orifice Type				Plug In Time							
Directional						Pulse Width				Plug Out Date							
Battery 1						Data Rate				Plug Out Time							
Battery 2						EM Power				Plug In Hrs Tot							
Battery 3						EM Freq				Plug In Hrs Day							
Gamma						Fin Size (in)				Circ Hrs Total							
Helix						Non Mag Above/Below				Circ Hours Day							
						Total Field				Agitator							
						Dip Angle				Agitator SN							
						Declination				Agitator->Bit							
						Grid Convergence											
						Total Correction											
						North Ref				GRID							
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/28/2022	00:00	08:45	8.75	17708	18220	512	LATERAL	8: BHA 8	2K	Rotary Drill f/17708.00 t/18220.00, w/WOB 30.00,Flow 350.00, RPM 70.00, Press 3000.00, Tq 20.00, ROP 58.51, Diff 600.00							
06/28/2022	08:45	11:30	2.75	18220	18220	0	LATERAL	8: BHA 8	5A	Circulate to POOH							
06/28/2022	11:30	24:00	12.5	18220	18220	0	LATERAL	8: BHA 8	6B	L/D Drill Pipe							
Well Seeker PRO 2.0.8.18 - Ameredev																	

		Job #		30-025-49940			Operator:		Advance Energy Partners								
		API Job # / AFE #		30-025-49940 / NM0230			Field:		Hat Mesa								
		Report #		22			Well:		Dagger State Com 304H								
		Latitude:		32° 27' 0.418" N			Longitude:		103° 36' 48.665" W								
		Rig:		Nabor X49			County / State:		Lea / New Mexico								
		Date:		06/29/2022			Report Time:		00:00-05:30								
		Daily Cost(\$):					Well Cost(\$):										
		24hr Summary:															
		24hr Lookahead:															
		Drilling Summary		24Hr (BHA 8)		Run (BHA 8)		Casing Data			Fluids						
Start Depth (Usft):		18220		16568		Csg Shoe MD(Usft):				600:	8	PV:		3			
End Depth (Usft):		18220		18220		OD (in):				300:	5	YP:		2			
Total Drilled (Usft):				1652		Weight (lbs/ft):				200:	4	Viscosity:		28			
Slide Drilled (Usft):				131						100:	3	Chlorides:		175000			
Rotary Drilled (Usft):				1521						6:	2	% Sand/Solids:		0.00 / 2.34			
Drlg/Circ Hrs:				23.75 / 6.75		Bit Details				3:	1	Oil/Water:		0/100			
Slide Drilling Hrs:				4.08		SN:		5327212		10s Gel:		2	Weight (ppg):		10		
Rotary Drilling Hrs:				19.67		Bit #		8		PH / Temp(F)		7.0 / 0.00	Mud Type:		WBM		
ROP Rot/Slide (Usft/hr):				77.34 / 32.08		OD (in) / TFA:		6.750 / 0.920									
BRT Hrs:		5.5		55.67		Grade In:		New									
% Slide:				7.93		Grade Out:		1-2-CT-G-X-I-NO-TD									
% Rotary:				92.07		Make / Model:		Baker Hughes /									
Personnel																	
Company Man		Directional Driller		MWD Engineer		Drilling Engineer		Mud Engineer		Geologist		Tool Pusher					
Trainee 1		Trainee 2		RSS Eng. 1		Rss Eng. 2		Third Man		Fourth Man							
BHA Details																	
Description				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Baker Hughes DD406VTW - 0.92 (3x12, 3x16)				6.75								52.3		1		1	
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75								56.2		38.7		39.7	
FLOAT SUB				5.25		2.5						50.1		2.43		42.13	
NON MAG UBHO				5.25		2.75						50.1		3.52		45.65	
NON MAG DRILL COLLAR				5		2.812						50.1		27.65		73.3	
NON MAG DRILL COLLAR				5		2.812						550.1		28.48		101.78	
CET43 X XT-39				5		2.25						50.1		4.15		105.93	
4.5" Drill Pipe				4.5		3.826								2647.02		2752.95	
5 1/4" POWERGLIDE 0.80 PLATE				5.25										21.57		2774.52	
																2774.52	
Motor Details																	
SN		Make		Model		Lobes		Bit to Bend(Usft)		Bend Angle		Rev Per Gal		Housing			
XSH57077		Intrepid				9/10		4		1.5		0.5		FBH			
Drilling Parameters																	
	ROP		WOB		RPM		RPM DH		FLOW		SPP ON		SPP OFF		SPM		
	(Usft/hr)		(klbs)						(gpm)		(psi)		(psi)		PU		
24 Hrs	0		30		70		245		350		3000		2400		0		
Run	69.56		27.5		70		245		350		3000		2400		0		
MWD Data																	
Tool		SN		Type		Version		MWD Details				Battery Details					
Pulser								Orifice				Plug In Date					
Driver								Orifice Type				Plug In Time					
Directional								Pulse Width				Plug Out Date					
Battery 1								Data Rate				Plug Out Time					
Battery 2								EM Power				Plug In Hrs Tot					
Battery 3								EM Freq				Plug In Hrs Day					
Gamma								Fin Size (in)				Circ Hrs Total					
Helix								Non Mag Above/Below				Circ Hours Day					
								Total Field				Agitator					
								Dip Angle				Agitator SN					
								Declination				Agitator->Bit					
								Grid Convergence									
								Total Correction									
								North Ref				GRID					
Daily Activity																	
Date	From	To	Hrs	Start (Usft)	End (Usft)	CL	Phase	BHA	Code	Description							
06/29/2022	00:00	02:30	2.5	18220	18220	0	LATERAL	8: BHA 8	6B	L/D Drill Pipe to 2629							
06/29/2022	02:30	03:30	1	18220	18220	0	LATERAL	8: BHA 8	8A	Work on cat walk							
06/29/2022	03:30	05:00	1.5	18220	18220	0	LATERAL	8: BHA 8	6B	L/D Drill pipe							
06/29/2022	05:00	05:30	0.5	18220	18220	0	LATERAL	8: BHA 8	6P	L/D BHA 8							
Well Seeker PRO 2.0.8.18 - Ameredev																	

			BOTTOM HOLE ASSEMBLY							
Operator:			Advance Energy Partners		Rig:	Nabor X49		Total Length:	839.73 (Usft)	
Well:			Dagger State Com 304H		BHA #:	1		BHA Weight (Air/Mud):	50.88 / 43.11 (klbs)	
Field:			Hat Mesa		Bit #:	1		Wt. Below Jars (Air/Mud):	50.88 / 43.11 (klbs)	
Date In:			6/10/2022		Depth In:	1554		Total Drilled:	2196.00 (Usft)	
Date Out:			6/12/2022		Depth Out:	3750		Drilling / Circ Hours:	16.25 / 2.33	
Survey Offset:			66		Gamma Offset:	53				
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	61480	Ulterra WAV616	12.25			6 5/8 REG		1.5	1.5
	2	XSH80014	8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" NBS	8		8.000 / 1.69	6 5/8 REG / 6 5/8 REG	199.00 / 7.08 / 7.08	35.57	37.07
	3	DR41351	11 3/4" STABILIZER	11.75	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 0.62 / 7.70	4.12	41.19
	4	DR47622	NM UBHO	8	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 0.53 / 8.22	3.51	44.7
	5	DR36978	NMDC	8	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 4.18 / 12.40	27.87	72.57
	6	DR43584	NMDC	8	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 4.30 / 16.70	28.67	101.24
	7	PPR-PMR003	CROSSOVER CET54 B X 6 5/8 REG P	8	2.75		CET54 / 6 5/8 REG	150.00 / 0.52 / 17.23	3.5	104.74
	8		24 Jts of CET54 HWDP	5.5	3.875			46.00 / 33.65 / 50.88	731.51	836.25
	9	PPR-9222	CROSSOVER CET43 B X CET54 P	8	2.75		CET43 / CET54		3.48	839.73
	10									839.73

Comments

LIH \$571,363

Bit Details

Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
12.25	PDC	Ulterra WAV616	1.17 (9x13)	Ulterra	WAV616	New	1-3-BT-G-X-I-CT-TD	2196

Motor Details

Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
8" Intrepid Motor 7/8 5.9 FBH	Intrepid / Interceptor	5.99 / 1.75	11.75	8.25	500	1330
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type
22020	0	135	400-900	0.15	FBH	Mud Lube

Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
114.2	Dyna Drill	HR	0.019	NO	NO	

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

Stabilizer Details				
Component Number	Description	OD[in]	Blade Length[in]	Stab -> Bit[Usft]
2	8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" NBS	11.75	10	3.25
3	11 3/4" STABILIZER	0	17	38.15

			BOTTOM HOLE ASSEMBLY							
Operator:			Advance Energy Partners		Rig:	Nabor X49		Total Length:	835.74 (Usft)	
Well:			Dagger State Com 304H		BHA #:	2		BHA Weight (Air/Mud):	50.29 / 42.61 (klbs)	
Field:			Hat Mesa		Bit #:	2		Wt. Below Jars (Air/Mud):	50.29 / 42.61 (klbs)	
Date In:			6/12/2022		Depth In:	3750		Total Drilled:	1700.00 (Usft)	
Date Out:			6/15/2022		Depth Out:	5450		Drilling / Circ Hours:	12.17 / 6.83	
Survey Offset:			66		Gamma Offset:	53				
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	4013276	Varel Vion-616	9.875			6 5/8 REG		1.5	1.5
	2	XSH80028	8" Motor 7/8 5.9 FBH @1.50deg w/ SS	8		8.000 / 1.69	6 5/8 REG / 6 5/8 REG	199.00 / 7.10 / 7.10	35.7	37.2
	3	DR47622	NM UBHO	8	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 0.53 / 7.63	3.51	40.71
	4	DR36978	NMDC	8	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 4.18 / 11.81	27.87	68.58
	5	DR43584	NMDC	8	3.25		6 5/8 REG / 6 5/8 REG	150.00 / 4.30 / 16.11	28.67	97.25
	6	PPR-PMR003	CROSSOVER CET54 B X 6 5/8 REG P	8	2.75		CET54 / 6 5/8 REG	150.00 / 0.52 / 16.64	3.5	100.75
	7		24 Jts of CET54 HWDP	5.5	3.875			46.00 / 33.65 / 50.29	731.51	832.26
	8	PPR-9222	CROSSOVER CET43 B X CET54 P	8	2.75		CET43 / CET54		3.48	835.74
	9									835.74

Comments

LIH \$571,363

Bit Details

Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
9.875	PDC	Varel Vion-616	1.05 (3x13, 6x12)	Varel	Vion-616	New	1-1-NO-A-X-I-NO-TD	1700

Motor Details

Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
8" Motor 7/8 5.9 FBH		5.99 / 1.75	11.75	8.25	500	1330
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type
22020	0	135	400-900	0.15	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
114.2	Dyna Drill	HR	0.019	NO	NO	

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

			BOTTOM HOLE ASSEMBLY							
Operator:			Advance Energy Partners		Rig:	Nabor X49	Total Length:		103.50 (Usft)	
Well:			Dagger State Com 304H		BHA #:	3	BHA Weight (Air/Mud):		0.00 / 0.00 (klbs)	
Field:			Hat Mesa		Bit #:	3	Wt. Below Jars (Air/Mud):		0.00 / 0.00 (klbs)	
Date In:			6/15/2022		Depth In:	5450	Total Drilled:		1743.00 (Usft)	
Date Out:			6/17/2022		Depth Out:	7193	Drilling / Circ Hours:		13.25 / 1.33	
Survey Offset:			64		Gamma Offset:	52				
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	5330359	Baker Hughes DD406VTWS	6.75			NC40		1	1
	2	XSH57092	5.75 9/10 11:0 FBH @ 1.50deg W TS	5.75		5.750 / 2.10	XT39 / NC40		38.7	39.7
	3	BT-500566	NON MAG UBHO	5.25	2.75		XT39 / XT39		3.52	43.22
	4	DR40479	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39		27.65	70.87
	5	DR40957	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39		28.48	99.35
	6	DR49720	CET43 X XT-39	5	2.25		CET43 / XT39		4.15	103.5
	7	rig	39 Jts 4.5 HWDP	4.5	2.813		CET43 / CET43			103.5
	8									103.5
	9									

Comments

LIH 425,386

Bit Details

Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
6.75	PDC	Baker Hughes DD406VTWS	1.03 (6x15)	Baker Hughes	DD406VTWS	New		1743

Motor Details

Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
5.75 9/10 11:0 FBH @ 1.50deg	Intrepid / Interceptor	4.60 / 1.50	5.75	6	500	2480
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type
12240	0	220	150-425	0.5	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
90.2	Dyna Drill	NBR-HR-STD	0.011	NO	NO	

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

			BOTTOM HOLE ASSEMBLY							
Operator:			Advance Energy Partners		Rig:	Nabor X49	Total Length:		103.50 (Usft)	
Well:			Dagger State Com 304H		BHA #:	4	BHA Weight (Air/Mud):		0.00 / 0.00 (klbs)	
Field:			Hat Mesa		Bit #:	4	Wt. Below Jars (Air/Mud):		0.00 / 0.00 (klbs)	
Date In:			6/17/2022		Depth In:	7193	Total Drilled:		2256.00 (Usft)	
Date Out:			6/19/2022		Depth Out:	7259	Drilling / Circ Hours:		18.08 / 1.00	
Survey Offset:			64		Gamma Offset:	52				
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	543451	Ultrerra RPS613	6.75			NC40		1	1
	2	XSH57092	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75		5.750 / 2.10	XT39 / NC40		38.7	39.7
	3	BT-500566	NON MAG UBHO	5.25	2.75		XT39 / XT39		3.52	43.22
	4	DR40479	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39		27.65	70.87
	5	DR40957	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39		28.48	99.35
	6	DR49720	CET43 X XT-39	5	2.25		CET43 / XT39		4.15	103.5
	7	rig	39 Jts 4.5 HWDP	4.5	2.813		CET43 / CET43			103.5
	8									103.5
	9									

Comments										
LIH 425,386										

Bit Details								
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
6.75	PDC	Ultrerra RPS613	1.03 (6x15)	Ultrerra	RPS613	New	1-5-BT-S-X-I-WT-PR	2256

Motor Details						
Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
5.75" 9/10 11:0 FBH @ 1.50deg	Intrepid / Interceptor	4.60 / 1.50	5.75	6	500	2480
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type
12240	0	220	150-425	0.5	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
90.2	Dyna Drill	NBR-HR-STD	0.011	NO	NO	

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

BOTTOM HOLE ASSEMBLY										
										
Operator:		Advance Energy Partners		Rig:		Nabor X49		Total Length:		100.93 (Usft)
Well:		Dagger State Com 304H		BHA #:		5		BHA Weight (Air/Mud):		19.50 / 16.53 (klbs)
Field:		Hat Mesa		Bit #:		5		Wt. Below Jars (Air/Mud):		19.50 / 16.53 (klbs)
Date In:		06/19/2022		Depth In:		9449		Total Drilled:		629.00 (Usft)
Date Out:		06/19/2022		Depth Out:		9449		Drilling / Circ Hours:		18.33 / 0.75
Survey Offset:		0								
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	6026544	Varel EVOS-611	6.75			3 1/2 REG	52.30 / 0.05 / 0.05	1	1
	2	XSS50054	5" 6/7 8.8 2.12deg FXD TS	5		5.000 / 1.60	XT39 / 3 1/2 REG	56.20 / 1.89 / 1.95	33.7	34.7
	3	IFS500001	FLOAT SUB	5.25	2.5		XT-39 / XT39	50.10 / 0.12 / 2.07	2.43	37.13
	4	BT-500566	NON MAG UBHO	5.25	2.75		XT39 / XT39	50.10 / 0.18 / 2.24	3.52	40.65
	5	DR40479	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	50.10 / 1.39 / 3.63	27.65	68.3
	6	DR40957	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	550.10 / 15.67 / 19.30	28.48	96.78
	7	DR49720	CET43 X XT-39	5	2.25		CET43 / XT39	50.10 / 0.21 / 19.50	4.15	100.93
	8									100.93
	9									

Comments

LIH 425,386

Bit Details

Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
6.75	PDC	Varel EVOS-611	0.99 (2x14, 4x15)	Varel	EVOS-611	New	1-1-FC-A-X-I-NO-BHA	629

Motor Details

Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
5" 6/7 8.8 2.12deg FXD TS	Intrepid / Interceptor	4.00 / 2.12	6.25	5.25	500	2240
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type
8014	2240	272	150-400	0.68	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
93.7	PV	HS88 G0	0.008	NO	NO	

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

			BOTTOM HOLE ASSEMBLY							
Operator:			Advance Energy Partners		Rig:	Nabor X49	Total Length:		91.23 (Usft)	
Well:			Dagger State Com 304H		BHA #:	6	BHA Weight (Air/Mud):		18.96 / 16.06 (klbs)	
Field:			Hat Mesa		Bit #:	7	Wt. Below Jars (Air/Mud):		18.96 / 16.06 (klbs)	
Date In:			06/21/2022		Depth In:	10078	Total Drilled:		408.00 (Usft)	
Date Out:			06/22/2022		Depth Out:	10486	Drilling / Circ Hours:		6.75 / 0.25	
Survey Offset:			53		Gamma Offset:	40				
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]
	1	61010	Ultrerra U611S	6.75			3 1/2 Reg	52.30 / 0.05 / 0.05	1	1
	2	ESS50002	5" MOTOR 7/8 5.0 FBH@2.38 W/TS	5		5.000 / 1.70	XT39 / 3 1/2 REG	56.20 / 1.35 / 1.40	24	25
	3	IFS500001	FLOAT SUB	5.25	2.5		XT-39 / XT39	50.10 / 0.12 / 1.52	2.43	27.43
	4	BT-500566	NON MAG UBHO	5.25	2.75		XT39 / XT39	50.10 / 0.18 / 1.70	3.52	30.95
	5	DR40479	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	50.10 / 1.39 / 3.08	27.65	58.6
	6	DR40957	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	550.10 / 15.67 / 18.75	28.48	87.08
	7	DR49720	CET43 X XT-39	5	2.25		CET43 / XT39	50.10 / 0.21 / 18.96	4.15	91.23
	8									91.23
	9									

Comments										
LIH 425,386										

Bit Details										
Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]		
6.75	PDC	Ultrerra U611S	1.03 (6x15)	Ultrerra	U611S	New	1-1-FC-A-X-I-NO-BHA	408		

Motor Details						
Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
5" MOTOR 7/8 5.0 FBH@2.38	Intrepid / Interceptor	3.60 / 2.38	0	5.25	500	1130
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type
4460	1130	177	100-275	0.642	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
93.7	PV	HS88 G0	0.008	NO	NO	

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

			BOTTOM HOLE ASSEMBLY									
Operator:			Advance Energy Partners		Rig:		Nabor X49		Total Length:		2774.22 (Usft)	
Well:			Dagger State Com 304H		BHA #:		7		BHA Weight (Air/Mud):		19.79 / 16.76 (klbs)	
Field:			Hat Mesa		Bit #:		7		Wt. Below Jars (Air/Mud):		19.79 / 16.76 (klbs)	
Date In:			06/22/2022		Depth In:		10486		Total Drilled:		6082.00 (Usft)	
Date Out:			06/26/2022		Depth Out:		16568		Drilling / Circ Hours:		87.25 / 2.33	
Survey Offset:			53		Gamma Offset:		40					
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]		
	1	5331412	Baker Hughes DD406VTWS	6.75			NC40	52.30 / 0.05 / 0.05	1	1		
	2	XSH57087	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75		5.750 / 1.70	XT39 / NC40	56.20 / 2.17 / 2.23	38.7	39.7		
	3	IFS500001	FLOAT SUB	5.25	2.5		XT-39 / XT39	50.10 / 0.12 / 2.35	2.43	42.13		
	4	BT-500566	NON MAG UBHO	5.25	2.75		XT39 / XT39	50.10 / 0.18 / 2.53	3.52	45.65		
	5	DR40479	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	50.10 / 1.39 / 3.91	27.65	73.3		
	6	DR40957	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	550.10 / 15.67 / 19.58	28.48	101.78		
	7	DR49720	CET43 X XT-39	5	2.25		CET43 / XT39	50.10 / 0.21 / 19.79	4.15	105.93		
	8	Rig	4.5" Drill Pipe	4.5	3.826		CET43 / CET43		2647.02	2752.95		
	9	PG525-0080	5 1/4" POWERGLIDE 0.80 PLATE	5.25			CET43 / CET43		21.27	2774.22		
	10									2774.22		

Comments

LIH 425,386

Bit Details

Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
6.75	PDC	Baker Hughes DD406VTWS	1.08 (3x12, 3x18)	Baker Hughes	DD406VTWS	New	1-4-BT-S-X-I-LT-BHA	6082

Motor Details

Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
5.75" 9/10 11:0 FBH @ 1.50deg	Intrepid /	4.00 / 1.50	0	6	500	2480
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type

12240	2480	220	150-425	0.5	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
88.7	PV	HS88 G0	0.008	NO	NO	

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

			BOTTOM HOLE ASSEMBLY								
Operator:			Advance Energy Partners		Rig:	Nabor X49		Total Length:		2774.52 (Usft)	
Well:			Dagger State Com 304H		BHA #:	8		BHA Weight (Air/Mud):		19.79 / 16.76 (klbs)	
Field:			Hat Mesa		Bit #:	8		Wt. Below Jars (Air/Mud):		19.79 / 16.76 (klbs)	
Date In:			6/26/2022		Depth In:	16568		Total Drilled:		1652.00 (Usft)	
Date Out:			6/29/2022		Depth Out:	18220		Drilling / Circ Hours:		23.75 / 6.75	
Survey Offset:			68		Gamma Offset:	54					
Proposed BHA	#	SN	Description	OD [in]	ID [in]	FN OD [in] / FN Len [Usft]	Cnx Up / Cnx Dn	Wt[lb/ft] / Comp Wt[klbs] / Tot Wt[klbs]	Length [Usft]	Total Length [Usft]	
	1	5327212	Baker Hughes DD406VTW	6.75			NC 40	52.30 / 0.05 / 0.05	1	1	
	2	XSH57077	5.75" 9/10 11:0 FBH @ 1.50deg W TS	5.75		5.750 / 1.70	XT39 / NC40	56.20 / 2.17 / 2.23	38.7	39.7	
	3	IFS500001	FLOAT SUB	5.25	2.5		XT-39 / XT39	50.10 / 0.12 / 2.35	2.43	42.13	
	4	BT-500566	NON MAG UBHO	5.25	2.75		XT39 / XT39	50.10 / 0.18 / 2.53	3.52	45.65	
	5	DR40479	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	50.10 / 1.39 / 3.91	27.65	73.3	
	6	DR40957	NON MAG DRILL COLLAR	5	2.812		XT39 / XT39	550.10 / 15.67 / 19.58	28.48	101.78	
	7	DR49720	CET43 X XT-39	5	2.25		CET43 / XT39	50.10 / 0.21 / 19.79	4.15	105.93	
	8	Rig	4.5" Drill Pipe	4.5	3.826		CET43 / CET43		2647.02	2752.95	
	9	PG525-0049	5 1/4" POWERGLIDE 0.80 PLATE	5.25			CET43 / CET43		21.57	2774.52	
	10									2774.52	

Comments

LIH 425,386

Bit Details

Size [in]	Type	Description	TFA	Make	Model	Grade In	Grade Out	Drilled [Usft]
6.75	PDC	Baker Hughes DD406VTW	0.92 (3x12, 3x16)	Baker Hughes	DD406VTW	New	1-2-CT-G-X-I-NO-TD	1652

Motor Details

Description	Make / Model	Bit to Bend [Usft] / Bend	Stab OD[in]	Kick Pad OD[in]	Press. Loss (psi)	Max Diff Press. (psi)
5.75" 9/10 11:0 FBH @ 1.50deg	Intrepid /	4.00 / 1.50	0	6	500	2480
Max Torque[kft-lbs]	Diff Press (psi)	Max RPM	Flow Range	Rev/Gal	Bend Housing	Bearing Type

12240	2480	220	150-425	0.5	FBH	Mud Lube
Pre Run Dyno HP%	Stator Vendor	Stator Type	Stator Fit	Re-Run	Direct Bill	
88.7	PV	HS88 G0	0.008	NO	NO	

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

	Job #	30-025-49940	Operator:	Advance Energy Partners
	API Job#	30-025-49940	Field:	Hat Mesa
	Latitude:	32° 27' 0.418" N	Well:	Dagger State Com 304H
	Longitude:	103° 36' 48.665" W	State:	New Mexico
	Rig:	Nabor X49	County:	Lea
	Reason POOH:	Section TD	BHA #	1
	Lead DD:		Company Man:	

BHA Performance Report				Drilling Parameters			
Run Data		Motor data		Temperature (degF):		0.00/0.00/0.00	
Date In:	6/10/2022 10:30	SN:	XSH80014	WOB Rotate (klbs):	10/27/38		
Date Out:	6/12/2022 23:00	Description:	Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" r	WOB Slide (klbs):	13.89		
Depth In/Out(Usft):	1554.00 / 3750.00	Make/Model:	Intrepid / Interceptor	RPM:	20/48/50		
Inc In/Out:	0.09 / 4.79	Re-run/Direct Bill:	NO / NO	Flow Rate (gpm):	400/854/900		
Azi In/Out:	7.66 / 170.02	Lobes / Stages:	7/8 / 5.9	Off Btm Press (psi):	550/2150/2400		
Total Drilled (Usft):	2196	Bend Angle:	1.75	On Btm Press (psi):	650/2667/3200		
%Slide (Ftg):	7.60	Bit to Bend (Usft):	5.99	Tq On Btm (kftlbs):	6/13/15		
%Slide (Time):	25.11	Sleeve Stab OD (in):	11.75	Tq Off Btm (kftlbs):	0		
Slide Drilled (Usft):	167	Bearing Gap (in):	2	Avg Diff Press (psi):			
Slide Hours:	4.08	Stab to Bit (Usft):	1.75	Bit Data			
%Rotary (Ftg):	92.40	Kickpad OD (in):	8.25	Make:	Ulterra		
%Rotary (Time):	74.89	Body OD (in):	8	Model:	WAV616		
Rotary Drilled (Usft):	2029	Fishneck OD (in):	8	OD (in):	12.25		
Rotary Hours:	12.17	Length (Usft):	35.57	TFA:	1.17 (9x13)		
Total Drlg Hrs:	16.25	Integral Float:	NO	Bit #	1		
Circ/BRT Hrs:	2.33 / 60.50	Rev per Gal:	0.15	Grade In:	New		
Slide ROP (Usft/hr):	40.93	# Stalls / Pressure:		Grade Out:	1-3-BT-G-X-I-CT-TD		
Rot ROP (Usft/hr):	166.72	Stator Vendor/Type/Fit:	Dyna Drill / HR / 0.019	Drill Hrs:	16.25		
Avg ROP (Usft/hr):	135.14	Pre Run Dyno HP%:	114.2	Circ Hrs:	2.33		

Mud Data												
600/300	200/100	6/3	PH	Oil/Water	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8 / 5	4 / 3	2 / 1			3	2	10	175000	WBM	2.34		

Sensor Offsets(Usft)										Directional Performance	
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)
66	53										0.00 / 1.60

BHA Details								
Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Wt (lbs/ft)	Len (Usft)	Total Length (Usft)
Ulterra WAV616 1.17 (9x13)	61480	12.25					1.5	1.5
8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/ 11 3/4" STABILIZER	XSH80014	8				199	35.57	37.07
NM UBHO	DR41351	11.75	3.25			150	4.12	41.19
NMDC	DR47622	8	3.25			150	3.51	44.7
NMDC	DR36978	8	3.25			150	27.87	72.57
NMDC	DR43584	8	3.25			150	28.67	101.24
CROSSOVER CET54 B X 6 5/8 REG P	PPR-PMR003	8	2.75			150	3.5	104.74
24 Jts of CET54 HWD P		5.5	3.875			46	731.51	836.25
CROSSOVER CET43 B X CET54 P	PPR-9222	8	2.75				3.48	839.73
								839.73

Additional Comments
BHA performed as expected.
Bit Grade 1-3-BT-G-X-I-CT-TD

Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940			Operator:		Advance Energy Partners			
				API Job#		30-025-49940			Field:		Hat Mesa			
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H			
				Longitude:		103° 36' 48.665" W			State:		New Mexico			
				Rig:		Nabor X49			County:		Lea			
				Reason POOH:		Section TD			BHA/MWD #		1 / 1			
				MWD Engineers:					Company Man:					
MWD Post Run Report														
Run Data				MWD Tool SN						Drilling Parameters				
Date In:		6/10/2022 10:30		Pulser SN:						WOB (klbs):		10/27/38		
Date Out:		6/12/2022 23:00		Driver SN:						RPM:		20/48/50		
Depth In/Out(Usft):		1554.00 / 3750.00		Directional SN:						Flow Rate (gpm):		400/854/900		
Inc In/Out:		0.09 / 4.79		Battery 1 SN:						Off Btm Press (psi):		550/2150/2400		
Azi In/Out:		7.66 / 170.02		Battery 2 SN:						On Btm Press (psi):		650/2667/3200		
Total Drilled (Usft):		2196		Battery 3 SN:						Tq On Btm (kftlbs):		6/13/15		
% Slide:		7.6		Gamma SN:						Tq Off Btm (kftlbs):		0		
Slide Drilled (Usft):		167		EM SN:						Avg Diff Press (psi):				
Slide Hours:		4.08		Helix SN:						Bit Data				
% Rotary:		92.4		MWD Plug In Data						Make / Model:		Ulterra / WAV616		
Rotary Drilled (Usft):		2029		Plug In Date:						OD (in):		12.25		
Rotary Hours:		12.17		Plug In Time						TFA:		1.17 (9x13)		
Drlg/Circ/BRT Hrs:		16.25 / 2.33 / 60.50		Plug Out Date:						Bit #		1		
Slide ROP (Usft/hr):		40.93		Plug Out Time:						Grade In:		New		
Rot ROP (Usft/hr):		166.72		Plug In Hours:						Grade Out:		1-3-BT-G-X-I-CT-TD		
Avg ROP (Usft/hr):		135.14		Circ Hours:		2.33				Drill / Circ Hrs:		16.25 / 2.33		
Mud Data														
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)	
8	5	4	3	2	1	3	2	10	175000	WBM	2.34			
Sensor Offsets(Usft)										Directional Performance				
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)		Act/Max DLS (°/100ft)		
66	53											0.00 / 1.60		
BHA Details														
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)		
Ulterra WAV616 1.17 (9x13)				12.25						1.5		1.5		
8" Intrepid Motor 7/8 5.9 FBH @ 1.75deg w/				8				199		35.57		37.07		
11 3/4" STABILIZER				11.75	3.25			150		4.12		41.19		
NM UBHO				8	3.25			150		3.51		44.7		
NMDC				8	3.25			150		27.87		72.57		
NMDC				8	3.25			150		28.67		101.24		
CROSSOVER CET54 B X 6 5/8 REG P				8	2.75			150		3.5		104.74		
24 Jts of CET54 HWDP				5.5	3.875			46		731.51		836.25		
CROSSOVER CET43 B X CET54 P				8	2.75					3.48		839.73		
												839.73		
MWD Post Run Data														
Surface System				Surface Tests				MWD Parameters						
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm			0			
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm			0			
Logging HASP SN				Pre Run Flow				Good Detection						
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate			0.00 / 0.00			
BU Laptop SN				Post Run Comms				Fin Size (in)						
Aggregator SN				Post Run Pulse				Retrievable						
Depth Tracking SN				Post Run Flow				Internal Offset						
Transducer SN				Post Run Tap				External Offset						
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type						
MWD Kit SN				Dir Ver.				Poppet Size						
Gamma Kit SN				Pulser Ver.				EM Power						
Surf Sys Ver.				Gamma Ver.				EM Freq						
Surf Sys Type		BTRC		Dir Type				UBHO Data						
EDR				Pulser Type				UBHO SN			DR47622			
Hookload Sensor				Gamma Type				UBHO Length (Usft)			3.51			
Receiver Type				MWD Type				UBHO Connection			6 5/8 REG			
BU Reciver SN				Helix Type				UBHO Pin->Setscrew						

BU Surf Sys Type		Battery Type			
Laptop 3 SN					
Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	26.31		
Req NM Above		Req NM Below		Azimuth Error	
MWD Comments					

				Job #		30-025-49940			Operator:		Advance Energy Partners		
				API Job#		30-025-49940			Field:		Hat Mesa		
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H		
				Longitude:		103° 36' 48.665" W			State:		New Mexico		
				Rig:		Nabor X49			County:		Lea		
				Reason POOH:		Section TD			BHA #		2		
				Lead DD:					Company Man:				
BHA Performance Report										Drilling Parameters			
Run Data				Motor data						Temperature (degF):		0.00/0.00/0.00	
Date In:		6/12/2022 17:45		SN:		XSH80028				WOB Rotate (klbs):		15/38/40	
Date Out:		6/15/2022 12:30		Description:		8" Motor 7/8 5.9 FBH @1.50deg w/ SS				WOB Slide (klbs):		40	
Depth In/Out(Usft):		3750.00 / 5450.00		Make/Model:		/				RPM:		20/39/40	
Inc In/Out:		4.79 / 4.87		Re-run/Direct Bill:		NO / NO				Flow Rate (gpm):		400/743/900	
Azi In/Out:		170.02 / 170.69		Lobes / Stages:		7/8 / 5.9				Off Btm Press (psi):		500/1376/2400	
Total Drilled (Usft):		1700		Bend Angle:		1.75				On Btm Press (psi):		750/2043/2900	
%Slide (Ftg):		5.41		Bit to Bend (Usft):		5.99				Tq On Btm (kftlbs):		6/12/12	
%Slide (Time):		20.55		Sleeve Stab OD (in):		11.75				Tq Off Btm (kftlbs):		0	
Slide Drilled (Usft):		92		Bearing Gap (in):		2				Avg Diff Press (psi):			
Slide Hours:		2.5		Stab to Bit (Usft):		1.75				Bit Data			
%Rotary (Ftg):		94.59		Kickpad OD (in):		8.25				Make:		Varel	
%Rotary (Time):		79.48		Body OD (in):		8				Model:		Vion-616	
Rotary Drilled (Usft):		1608		Fishneck OD (in):		8				OD (in):		9.875	
Rotary Hours:		9.67		Length (Usft):		35.7				TFA:		1.05 (3x13, 6x12)	
Total Drlg Hrs:		12.17		Integral Float:		NO				Bit #		2	
Circ/BRT Hrs:		6.83 / 66.75		Rev per Gal:		0.15				Grade In:		New	
Slide ROP (Usft/hr):		36.8		# Stalls / Pressure:						Grade Out:		1-1-NO-A-X-I-NO-TD	
Rot ROP (Usft/hr):		166.29		Stator Vendor/Type/Fit:		Dyna Drill / HR / 0.019				Drill Hrs:		12.17	
Avg ROP (Usft/hr):		139.69		Pre Run Dyno HP%:		114.2				Circ Hrs:		6.83	
Mud Data													
600/300	200/100	6/3	PH	Oil/Water		PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8 / 5	4 / 3	2 / 1		0/100		3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)										Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)		Act/Max DLS (°/100ft)	
66	53											0.00 / 1.45	
BHA Details													
Description				SN		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Wt (lbs/ft)	Len (Usft)	Total Length (Usft)	
Varel Vion-616 1.05 (3x13, 6x12)				4013276		9.875					1.5	1.5	
8" Motor 7/8 5.9 FBH @1.50deg w/ SS				XSH80028		8				199	35.7	37.2	
NM UBHO				DR47622		8	3.25			150	3.51	40.71	
NMDC				DR36978		8	3.25			150	27.87	68.58	
NMDC				DR43584		8	3.25			150	28.67	97.25	
CROSSOVER CET54 B X 6 5/8 REG P				PPR-PMR003		8	2.75			150	3.5	100.75	
24 Jts of CET54 HWDP						5.5	3.875			46	731.51	832.26	
CROSSOVER CET43 B X CET54 P				PPR-9222		8	2.75				3.48	835.74	
												835.74	
Additional Comments													

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				Job #		30-025-49940			Operator:		Advance Energy Partners		
				API Job#		30-025-49940			Field:		Hat Mesa		
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H		
				Longitude:		103° 36' 48.665" W			State:		New Mexico		
				Rig:		Nabor X49			County:		Lea		
				Reason POOH:		Section TD			BHA/MWD #		2 / 2		
				MWD Engineers:					Company Man:				
MWD Post Run Report													
Run Data				MWD Tool SN						Drilling Parameters			
Date In:		6/12/2022 17:45		Pulser SN:						WOB (klbs):		15/38/40	
Date Out:		6/15/2022 12:30		Driver SN:						RPM:		20/39/40	
Depth In/Out(Usft):		3750.00 / 5450.00		Directional SN:						Flow Rate (gpm):		400/743/900	
Inc In/Out:		4.79 / 4.87		Battery 1 SN:						Off Btm Press (psi):		500/1376/2400	
Azi In/Out:		170.02 / 170.69		Battery 2 SN:						On Btm Press (psi):		750/2043/2900	
Total Drilled (Usft):		1700		Battery 3 SN:						Tq On Btm (kftlbs):		6/12/12	
% Slide:		5.41		Gamma SN:						Tq Off Btm (kftlbs):		0	
Slide Drilled (Usft):		92		EM SN:						Avg Diff Press (psi):			
Slide Hours:		2.5		Helix SN:						Bit Data			
% Rotary:		94.59		MWD Plug In Data						Make / Model:		Varel / Vion-616	
Rotary Drilled (Usft):		1608		Plug In Date:						OD (in):		9.875	
Rotary Hours:		9.67		Plug In Time						TFA:		1.05 (3x13, 6x12)	
Drlg/Circ/BRT Hrs:		12.17 / 6.83 / 66.75		Plug Out Date:						Bit #		2	
Slide ROP (Usft/hr):		36.8		Plug Out Time:						Grade In:		New	
Rot ROP (Usft/hr):		166.29		Plug In Hours:						Grade Out:		1-1-NO-A-X-I-NO-TD	
Avg ROP (Usft/hr):		139.69		Circ Hours:		6.83				Drill / Circ Hrs:		12.17 / 6.83	
Mud Data													
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8	5	4	3	2	1	3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)										Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)		
66	53										0.00 / 1.45		
BHA Details													
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Varel Vion-616 1.05 (3x13, 6x12)				9.875						1.5		1.5	
8" Motor 7/8 5.9 FBH @1.50deg w/ SS				8				199		35.7		37.2	
NM UBHO				8	3.25			150		3.51		40.71	
NMDC				8	3.25			150		27.87		68.58	
NMDC				8	3.25			150		28.67		97.25	
CROSSOVER CET54 B X 6 5/8 REG P				8	2.75			150		3.5		100.75	
24 Jts of CET54 HWDP				5.5	3.875			46		731.51		832.26	
CROSSOVER CET43 B X CET54 P				8	2.75					3.48		835.74	
												835.74	
MWD Post Run Data													
Surface System				Surface Tests				MWD Parameters					
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm		0			
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm		0			
Logging HASP SN				Pre Run Flow				Good Detection					
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate		0.00 / 0.00			
BU Laptop SN				Post Run Comms				Fin Size (in)					
Aggregator SN				Post Run Pulse				Retrievable					
Depth Tracking SN				Post Run Flow				Internal Offset					
Transducer SN				Post Run Tap				External Offset					
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type					
MWD Kit SN				Dir Ver.				Poppet Size					
Gamma Kit SN				Pulser Ver.				EM Power					
Surf Sys Ver.				Gamma Ver.				EM Freq					
Surf Sys Type		BTRC		Dir Type				UBHO Data					
EDR				Pulser Type				UBHO SN		DR47622			
Hookload Sensor				Gamma Type				UBHO Length (Usft)		3.51			
Receiver Type				MWD Type				UBHO Connection		6 5/8 REG			
BU Reciver SN				Helix Type				UBHO Pin->Setscrew					
BU Surf Sys Type				Battery Type									

Laptop 3 SN					
Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	30.3		
Req NM Above		Req NM Below		Azimuth Error	
MWD Comments					

				Job #	30-025-49940			Operator:	Advance Energy Partners			
				API Job#	30-025-49940			Field:	Hat Mesa			
				Latitude:	32° 27' 0.418" N			Well:	Dagger State Com 304H			
				Longitude:	103° 36' 48.665" W			State:	New Mexico			
				Rig:	Nabor X49			County:	Lea			
				Reason POOH:	MWD Failure			BHA #	3			
Lead DD:							Company Man:					
BHA Performance Report								Drilling Parameters				
Run Data				Motor data					Temperature (degF):	0.00/0.00/0.00		
Date In:	6/15/2022 15:20			SN:	XSH57092			WOB Rotate (klbs):	12/21/28			
Date Out:	6/17/2022 18:50			Description:	5.75 9/10 11:0 FBH @ 1.50deg W TS			WOB Slide (klbs):	22			
Depth In/Out(Usft):	5450.00 / 7193.00			Make/Model:	Intrepid / Interceptor			RPM:	20/51/60			
Inc In/Out:	4.87 / 6.02			Re-run/Direct Bill:	NO / NO			Flow Rate (gpm):	250/397/415			
Azi In/Out:	170.69 / 166.94			Lobes / Stages:	9/10 / 11.0			Off Btm Press (psi):	450/1620/1900			
Total Drilled (Usft):	1743			Bend Angle:	1.5			On Btm Press (psi):	850/2033/2500			
%Slide (Ftg):	3.16			Bit to Bend (Usft):	4.6			Tq On Btm (kftlbs):	3/5/8			
%Slide (Time):	10.04			Sleeve Stab OD (in):	5.75			Tq Off Btm (kftlbs):	0			
Slide Drilled (Usft):	55			Bearing Gap (in):	1			Avg Diff Press (psi):				
Slide Hours:	1.33			Stab to Bit (Usft):				Bit Data				
%Rotary (Ftg):	96.84			Kickpad OD (in):	6			Make:	Baker Hughes			
%Rotary (Time):	89.96			Body OD (in):	5.75			Model:	DD406VTWS			
Rotary Drilled (Usft):	1688			Fishneck OD (in):	5.75			OD (in):	6.75			
Rotary Hours:	11.92			Length (Usft):	38.7			TFA:	1.03 (6x15)			
Total Drlg Hrs:	13.25			Integral Float:	YES			Bit #	3			
Circ/BRT Hrs:	1.33 / 51.50			Rev per Gal:	0.5			Grade In:	New			
Slide ROP (Usft/hr):	41.35			# Stalls / Pressure:				Grade Out:				
Rot ROP (Usft/hr):	141.61			Stator Vendor/Type/Fit:	Dyna Drill / NBR-HR-STD / 0.011			Drill Hrs:	13.25			
Avg ROP (Usft/hr):	131.55			Pre Run Dyno HP%:	90.2			Circ Hrs:	1.33			
Mud Data												
600/300	200/100	6/3	PH	Oil/Water	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8 / 5	4 / 3	2 / 1		0/100	3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)									Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)	
64	52										0.00 / 1.38	
BHA Details												
Description				SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Wt (lbs/ft)	Len (Usft)	Total Length (Usft)	
Baker Hughes DD406VTWS 1.03 (6x15)				5330359	6.75					1	1	
5.75 9/10 11:0 FBH @ 1.50deg W TS				XSH57092	5.75					38.7	39.7	
NON MAG UBHO				BT-500566	5.25	2.75				3.52	43.22	
NON MAG DRILL COLLAR				DR40479	5	2.812				27.65	70.87	
NON MAG DRILL COLLAR				DR40957	5	2.812				28.48	99.35	
CET43 X XT-39				DR49720	5	2.25				4.15	103.5	
39 Jts 4.5 HWDP				rig	4.5	2.813					103.5	
											103.5	
Failure Information												
Incident	YES	Hrs Before Incident		Tripped For Incident	NO	BHA SN		MWD SN				
LIH	NO	NPT		Catastrophic Inci.	NO	MOTOR Inci.	NO	MWD Inci.		YES		
Closed	NO	EDR Review	NO	Surface Fail	NO	MTBF Attrib.	NO	MWD Cat				
Operations at Time of Incident												

Troubleshooting Performed

Surface Findings

Additional Comments

POOH due to mwd tool failure, motor drained well with minimal slack in bearings, bit was 1-4 and started to core.

Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940			Operator:		Advance Energy Partners				
				API Job#		30-025-49940			Field:		Hat Mesa				
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H				
				Longitude:		103° 36' 48.665" W			State:		New Mexico				
				Rig:		Nabor X49			County:		Lea				
				Reason POOH:		MWD Failure			BHA/MWD #		3 / 3				
				MWD Engineers:					Company Man:						
MWD Post Run Report															
Run Data				MWD Tool SN						Drilling Parameters					
Date In:		6/15/2022 15:20		Pulser SN:						WOB (klbs):		12/21/28			
Date Out:		6/17/2022 18:50		Driver SN:						RPM:		20/51/60			
Depth In/Out(Usft):		5450.00 / 7193.00		Directional SN:						Flow Rate (gpm):		250/397/415			
Inc In/Out:		4.87 / 6.02		Battery 1 SN:						Off Btm Press (psi):		450/1620/1900			
Azi In/Out:		170.69 / 166.94		Battery 2 SN:						On Btm Press (psi):		850/2033/2500			
Total Drilled (Usft):		1743		Battery 3 SN:						Tq On Btm (kftlbs):		3/5/8			
% Slide:		3.16		Gamma SN:						Tq Off Btm (kftlbs):		0			
Slide Drilled (Usft):		55		EM SN:						Avg Diff Press (psi):					
Slide Hours:		1.33		Helix SN:						Bit Data					
% Rotary:		96.84		MWD Plug In Data						Make / Model:				Baker Hughes / DD406VTV	
Rotary Drilled (Usft):		1688		Plug In Date:						OD (in):		6.75			
Rotary Hours:		11.92		Plug In Time						TFA:		1.03 (6x15)			
Drlg/Circ/BRT Hrs:		13.25 / 1.33 / 51.50		Plug Out Date:						Bit #		3			
Slide ROP (Usft/hr):		41.35		Plug Out Time:						Grade In:		New			
Rot ROP (Usft/hr):		141.61		Plug In Hours:						Grade Out:					
Avg ROP (Usft/hr):		131.55		Circ Hours:		1.33				Drill / Circ Hrs:		13.25 / 1.33			
Mud Data															
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)		
8	5	4	3	2	1	3	2	10	175000	WBM	2.34				
Sensor Offsets(Usft)										Directional Performance					
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)				
64	52										0.00 / 1.38				
BHA Details															
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)			
Baker Hughes DD406VTWS 1.03 (6x15)				6.75						1		1			
5.75 9/10 11:0 FBH @ 1.50deg W TS				5.75						38.7		39.7			
NON MAG UBHO				5.25	2.75					3.52		43.22			
NON MAG DRILL COLLAR				5	2.812					27.65		70.87			
NON MAG DRILL COLLAR				5	2.812					28.48		99.35			
CET43 X XT-39				5	2.25					4.15		103.5			
39 Jts 4.5 HWDP				4.5	2.813							103.5			
												103.5			
MWD Post Run Data															
Surface System				Surface Tests				MWD Parameters							
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm			0				
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm			0				
Logging HASP SN				Pre Run Flow				Good Detection							
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate			0.00 / 0.00				
BU Laptop SN				Post Run Comms				Fin Size (in)							
Aggregator SN				Post Run Pulse				Retrievable							
Depth Tracking SN				Post Run Flow				Internal Offset							
Transducer SN				Post Run Tap				External Offset							
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type							
MWD Kit SN				Dir Ver.				Poppet Size							
Gamma Kit SN				Pulser Ver.				EM Power							
Surf Sys Ver.				Gamma Ver.				EM Freq							
Surf Sys Type		BTRC		Dir Type				UBHO Data							
EDR				Pulser Type				UBHO SN			BT-500566				
Hookload Sensor				Gamma Type				UBHO Length (Usft)			3.52				
Receiver Type				MWD Type				UBHO Connection			XT39				
BU Reciver SN				Helix Type				UBHO Pin->Setscrew							
BU Surf Sys Type				Battery Type											
Laptop 3 SN															

Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	24.3		
Req NM Above		Req NM Below		Azimuth Error	
Failure Information					
Incident	YES	Hrs Before Incident		Tripped For Incident	NO
LIH	NO	NPT		Catastrophic Inci.	NO
Closed	NO	EDR Review	NO	Surface Fail	NO
Operations at Time of Incident					

Troubleshooting Performed

MWD Incident Info

MWD Shop Findings

MWD Comments

				Job #		30-025-49940			Operator:		Advance Energy Partners														
				API Job#		30-025-49940			Field:		Hat Mesa														
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H														
				Longitude:		103° 36' 48.665" W			State:		New Mexico														
				Rig:		Nabor X49			County:		Lea														
				Reason POOH:		ROP			BHA #		4														
				Lead DD:					Company Man:																
BHA Performance Report										Drilling Parameters															
Run Data				Motor data						Temperature (degF):		0.00/0.00/0.00													
Date In:		6/17/2022 19:20		SN:		XSH57092				WOB Rotate (klbs):		12/46/60													
Date Out:		6/19/2022 24:00		Description:		5.75" 9/10 11:0 FBH @ 1.50deg W TS				WOB Slide (klbs):		41													
Depth In/Out(Usft):		7193.00 / 7259.00		Make/Model:		Intrepid / Interceptor				RPM:		60/60/60													
Inc In/Out:		6.02 / 5.89		Re-run/Direct Bill:		NO / NO				Flow Rate (gpm):		415/415/415													
Azi In/Out:		166.95 / 166.29		Lobes / Stages:		9/10 / 11.0				Off Btm Press (psi):		1950/1950/1950													
Total Drilled (Usft):		2256		Bend Angle:		1.5				On Btm Press (psi):		2250/2493/2900													
%Slide (Ftg):		2.84		Bit to Bend (Usft):		4.6				Tq On Btm (kftlbs):		7/8/10													
%Slide (Time):		13.82		Sleeve Stab OD (in):		5.75				Tq Off Btm (kftlbs):		0													
Slide Drilled (Usft):		64		Bearing Gap (in):		1				Avg Diff Press (psi):															
Slide Hours:		2.5		Stab to Bit (Usft):						Bit Data															
%Rotary (Ftg):		97.16		Kickpad OD (in):		6				Make:		Ultrerra													
%Rotary (Time):		86.16		Body OD (in):		5.75				Model:		RPS613													
Rotary Drilled (Usft):		2192		Fishneck OD (in):		5.75				OD (in):		6.75													
Rotary Hours:		15.58		Length (Usft):		38.7				TFA:		1.03 (6x15)													
Total Drlg Hrs:		18.08		Integral Float:		YES				Bit #		4													
Circ/BRT Hrs:		1.00 / 52.67		Rev per Gal:		0.5				Grade In:		New													
Slide ROP (Usft/hr):		25.6		# Stalls / Pressure:						Grade Out:		1-5-BT-S-X-I-WT-PR													
Rot ROP (Usft/hr):		140.69		Stator Vendor/Type/Fit:		Dyna Drill / NBR-HR-STD / 0.011				Drill Hrs:		18.08													
Avg ROP (Usft/hr):		124.78		Pre Run Dyno HP%:		90.2				Circ Hrs:		1.00													
Mud Data																									
600/300		200/100		6/3		PH		Oil/Water		PV		YP		Wt (ppg)		Chlorides		Type		%Solids		%Sand		Temp (degF)	
8 / 5		4 / 3		2 / 1				0/100		3		2		10		175000		WBM		2.34					
Sensor Offsets(Usft)														Directional Performance											
Svy		Gam		Res		PWD		Dens		Neu		Sonic		NB Inc		NB Azi		Gyro		Plan DLS (°/100ft)		Act/Max DLS (°/100ft)			
64		52																				0.00 / 0.69			
BHA Details																									
Description				SN				OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Wt (lbs/ft)		Len (Usft)		Total Length (Usft)					
Ultrerra RPS613 1.03 (6x15)				543451				6.75										1		1					
5.75" 9/10 11:0 FBH @ 1.50deg W TS				XSH57092				5.75										38.7		39.7					
NON MAG UBHO				BT-500566				5.25		2.75								3.52		43.22					
NON MAG DRILL COLLAR				DR40479				5		2.812								27.65		70.87					
NON MAG DRILL COLLAR				DR40957				5		2.812								28.48		99.35					
CET43 X XT-39				DR49720				5		2.25								4.15		103.5					
39 Jts 4.5 HWDP				rig				4.5		2.813										103.5					
																				103.5					
Additional Comments																									

Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940			Operator:		Advance Energy Partners		
				API Job#		30-025-49940			Field:		Hat Mesa		
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H		
				Longitude:		103° 36' 48.665" W			State:		New Mexico		
				Rig:		Nabor X49			County:		Lea		
				Reason POOH:		ROP			BHA/MWD #		4 / 4		
				MWD Engineers:					Company Man:				
MWD Post Run Report													
Run Data				MWD Tool SN						Drilling Parameters			
Date In:		6/17/2022 19:20		Pulser SN:						WOB (klbs):		12/46/60	
Date Out:		6/19/2022 24:00		Driver SN:						RPM:		60/60/60	
Depth In/Out(Usft):		7193.00 / 7259.00		Directional SN:						Flow Rate (gpm):		415/415/415	
Inc In/Out:		6.02 / 5.89		Battery 1 SN:						Off Btm Press (psi):		1950/1950/1950	
Azi In/Out:		166.95 / 166.29		Battery 2 SN:						On Btm Press (psi):		2250/2493/2900	
Total Drilled (Usft):		2256		Battery 3 SN:						Tq On Btm (kftlbs):		7/8/10	
% Slide:		2.84		Gamma SN:						Tq Off Btm (kftlbs):		0	
Slide Drilled (Usft):		64		EM SN:						Avg Diff Press (psi):			
Slide Hours:		2.5		Helix SN:						Bit Data			
% Rotary:		97.16		MWD Plug In Data						Make / Model:		Ulterra / RPS613	
Rotary Drilled (Usft):		2192		Plug In Date:						OD (in):		6.75	
Rotary Hours:		15.58		Plug In Time						TFA:		1.03 (6x15)	
Drlg/Circ/BRT Hrs:		18.08 / 1.00 / 52.67		Plug Out Date:						Bit #		4	
Slide ROP (Usft/hr):		25.6		Plug Out Time:						Grade In:		New	
Rot ROP (Usft/hr):		140.69		Plug In Hours:						Grade Out:		1-5-BT-S-X-I-WT-PR	
Avg ROP (Usft/hr):		124.78		Circ Hours:		1				Drill / Circ Hrs:		18.08 / 1.00	
Mud Data													
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8	5	4	3	2	1	3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)										Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)		
64	52										0.00 / 0.69		
BHA Details													
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)	
Ulterra RPS613 1.03 (6x15)				6.75						1		1	
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75						38.7		39.7	
NON MAG UBHO				5.25	2.75					3.52		43.22	
NON MAG DRILL COLLAR				5	2.812					27.65		70.87	
NON MAG DRILL COLLAR				5	2.812					28.48		99.35	
CET43 X XT-39				5	2.25					4.15		103.5	
39 Jts 4.5 HWDP				4.5	2.813							103.5	
												103.5	
MWD Post Run Data													
Surface System				Surface Tests				MWD Parameters					
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm		0			
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm		0			
Logging HASP SN				Pre Run Flow				Good Detection					
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate		0.00 / 0.00			
BU Laptop SN				Post Run Comms				Fin Size (in)					
Aggregator SN				Post Run Pulse				Retrievable					
Depth Tracking SN				Post Run Flow				Internal Offset					
Transducer SN				Post Run Tap				External Offset					
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type					
MWD Kit SN				Dir Ver.				Poppet Size					
Gamma Kit SN				Pulser Ver.				EM Power					
Surf Sys Ver.				Gamma Ver.				EM Freq					
Surf Sys Type		BTRC		Dir Type				UBHO Data					
EDR				Pulser Type				UBHO SN		BT-500566			
Hookload Sensor				Gamma Type				UBHO Length (Usft)		3.52			
Receiver Type				MWD Type				UBHO Connection		XT39			
BU Reciver SN				Helix Type				UBHO Pin->Setscrew					
BU Surf Sys Type				Battery Type									
Laptop 3 SN													

Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	24.3		
Req NM Above		Req NM Below		Azimuth Error	
MWD Comments					

	Job #	30-025-49940	Operator:	Advance Energy Partners
	API Job#	30-025-49940	Field:	Hat Mesa
	Latitude:	32° 27' 0.418" N	Well:	Dagger State Com 304H
	Longitude:	103° 36' 48.665" W	State:	New Mexico
	Rig:	Nabor X49	County:	Lea
	Reason POOH:	Low build rates	BHA #	5
	Lead DD:		Company Man:	

BHA Performance Report				Drilling Parameters	
Run Data		Motor data		Temperature (degF):	1000.25/0.00/0.00
Date In:	06/19/2022 15:50	SN:	XSS50054	WOB Rotate (klbs):	17.4
Date Out:	06/19/2022 14:30	Description:	5" 6/7 8.8 2.12deg FXD TS	WOB Slide (klbs):	17.77
Depth In/Out(Usft):	9449.00 / 9449.00	Make/Model:	Intrepid / Interceptor	RPM:	30
Inc In/Out:	2.48 / 2.48	Re-run/Direct Bill:	NO / NO	Flow Rate (gpm):	314.33
Azi In/Out:	265.01 / 265.01	Lobes / Stages:	6/7 / 8.8	Off Btm Press (psi):	1570
Total Drilled (Usft):	629	Bend Angle:	2.12	On Btm Press (psi):	1973.33
%Slide (Ftg):	85.53	Bit to Bend (Usft):	4	Tq On Btm (kftlbs):	6
%Slide (Time):	94.53	Sleeve Stab OD (in):	6.25	Tq Off Btm (kftlbs):	0
Slide Drilled (Usft):	538	Bearing Gap (in):	1	Avg Diff Press (psi):	2240
Slide Hours:	17.33	Stab to Bit (Usft):		Bit Data	
%Rotary (Ftg):	14.47	Kickpad OD (in):	5.25	Make:	Varel
%Rotary (Time):	5.45	Body OD (in):	5	Model:	EVOS-611
Rotary Drilled (Usft):	91	Fishneck OD (in):	5	OD (in):	6.75
Rotary Hours:	1	Length (Usft):	33.7	TFA:	0.99 (2x14, 4x15)
Total Drlg Hrs:	18.33	Integral Float:	YES	Bit #	5
Circ/BRT Hrs:	0.75 / -1.33	Rev per Gal:	0.68	Grade In:	New
Slide ROP (Usft/hr):	31.04	# Stalls / Pressure:		Grade Out:	1-1-FC-A-X-I-NO-BHA
Rot ROP (Usft/hr):	91	Stator Vendor/Type/Fit:	PV / HS88 G0 / 0.008	Drill Hrs:	18.33
Avg ROP (Usft/hr):	34.32	Pre Run Dyno HP%:	93.7	Circ Hrs:	0.75

Mud Data												
600/300	200/100	6/3	PH	Oil/Water	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8 / 5	4 / 3	2 / 1		0/100	3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)									Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)	

BHA Details								
Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Wt (lbs/ft)	Len (Usft)	Total Length (Usft)
Varel EVOS-611 0.99 (2x14, 4x15)	6026544	6.75				52.3	1	1
5" 6/7 8.8 2.12deg FXD TS	XSS50054	5				56.2	33.7	34.7
FLOAT SUB	IFS500001	5.25	2.5			50.1	2.43	37.13
NON MAG UBHO	BT-500566	5.25	2.75			50.1	3.52	40.65
NON MAG DRILL COLLAR	DR40479	5	2.812			50.1	27.65	68.3
NON MAG DRILL COLLAR	DR40957	5	2.812			550.1	28.48	96.78
CET43 X XT-39	DR49720	5	2.25			50.1	4.15	100.93
								100.93

Additional Comments								
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Assembly started out holing an erratic Tool Face. Once assembly stabilized 14/100 DLS was achieved. Worked on getting wellbore turned from 305 Azim to 5 degrees. Once turn was complete Tool face was held high side. Motor output dropped to 9/100 and decision was made to trip out of hole for a bigger bend. Once on surface motor drained and bearing s had minimal play. Bit was grade 1-1.

Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940				Operator:		Advance Energy Partners		
				API Job#		30-025-49940				Field:		Hat Mesa		
				Latitude:		32° 27' 0.418" N				Well:		Dagger State Com 304H		
				Longitude:		103° 36' 48.665" W				State:		New Mexico		
				Rig:		Nabor X49				County:		Lea		
				Reason POOH:		Low build rates				BHA/MWD #		5 / 5		
				MWD Engineers:						Company Man:				
MWD Post Run Report														
Run Data				MWD Tool SN						Drilling Parameters				
Date In:		06/19/2022 15:50		Pulser SN:						WOB (klbs):		17.4		
Date Out:		06/19/2022 14:30		Driver SN:						RPM:		30		
Depth In/Out(Usft):		9449.00 / 9449.00		Directional SN:						Flow Rate (gpm):		314.33		
Inc In/Out:		2.48 / 2.48		Battery 1 SN:						Off Btm Press (psi):		1570		
Azi In/Out:		265.01 / 265.01		Battery 2 SN:						On Btm Press (psi):		1973.33		
Total Drilled (Usft):		629		Battery 3 SN:						Tq On Btm (kftlbs):		6		
% Slide:		85.53		Gamma SN:						Tq Off Btm (kftlbs):		0		
Slide Drilled (Usft):		538		EM SN:						Avg Diff Press (psi):		2240		
Slide Hours:		17.33		Helix SN:						Bit Data				
% Rotary:		14.47		MWD Plug In Data						Make / Model:		Varel / EVOS-611		
Rotary Drilled (Usft):		91		Plug In Date:						OD (in):		6.75		
Rotary Hours:		1		Plug In Time						TFA:		0.99 (2x14, 4x15)		
Drlg/Circ/BRT Hrs:		18.33 / 0.75 / -1.33		Plug Out Date:						Bit #		5		
Slide ROP (Usft/hr):		31.04		Plug Out Time:						Grade In:		New		
Rot ROP (Usft/hr):		91		Plug In Hours:						Grade Out:		1-1-FC-A-X-I-NO-BHA		
Avg ROP (Usft/hr):		34.32		Circ Hours:		0.75				Drill / Circ Hrs:		18.33 / 0.75		
Mud Data														
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)	
8	5	4	3	2	1	3	2	10	175000	WBM	2.34	1000.25 / 0.00		
Sensor Offsets(Usft)										Directional Performance				
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)		Act/Max DLS (°/100ft)		
BHA Details														
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)		
Varel EVOS-611 0.99 (2x14, 4x15)				6.75				52.3		1		1		
5" 6/7 8.8 2.12deg FXD TS				5				56.2		33.7		34.7		
FLOAT SUB				5.25	2.5			50.1		2.43		37.13		
NON MAG UBHO				5.25	2.75			50.1		3.52		40.65		
NON MAG DRILL COLLAR				5	2.812			50.1		27.65		68.3		
NON MAG DRILL COLLAR				5	2.812			550.1		28.48		96.78		
CET43 X XT-39				5	2.25			50.1		4.15		100.93		
												100.93		
MWD Post Run Data														
Surface System			Surface Tests					MWD Parameters						
Rig Floor Disp. SN			Pre Run Comms					Pulse Amp Off Btm			0			
Barrier Box SN			Pre Run Pulse					Pulse Amp On Btm			0			
Logging HASP SN			Pre Run Flow					Good Detection						
Main Laptop SN			Pre Run Tap					Pulse Width / Data Rate			0.00 / 0.00			
BU Laptop SN			Post Run Comms					Fin Size (in)						
Aggregator SN			Post Run Pulse					Retrievable						
Depth Tracking SN			Post Run Flow					Internal Offset						
Transducer SN			Post Run Tap					External Offset						
Receiver SN			Software Ver. / Tool Types					Orifice Size/Type						
MWD Kit SN			Dir Ver.					Poppet Size						
Gamma Kit SN			Pulser Ver.					EM Power						
Surf Sys Ver.			Gamma Ver.					EM Freq						
Surf Sys Type		BTRC	Dir Type					UBHO Data						
EDR			Pulser Type					UBHO SN			BT-500566			
Hookload Sensor			Gamma Type					UBHO Length (Usft)			3.52			
Receiver Type			MWD Type					UBHO Connection			XT39			
BU Reciver SN			Helix Type					UBHO Pin->Setscrew						
BU Surf Sys Type			Battery Type											
Laptop 3 SN														

Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below			
Req NM Above		Req NM Below		Azimuth Error	
MWD Comments					

	Job #	30-025-49940	Operator:	Advance Energy Partners
	API Job#	30-025-49940	Field:	Hat Mesa
	Latitude:	32° 27' 0.418" N	Well:	Dagger State Com 304H
	Longitude:	103° 36' 48.665" W	State:	New Mexico
	Rig:	Nabor X49	County:	Lea
	Reason POOH:	Change BHA	BHA #	6
	Lead DD:		Company Man:	

BHA Performance Report				Drilling Parameters	
Run Data		Motor data		Temperature (degF):	1000.25/0.00/0.00
Date In:	06/21/2022 09:45	SN:	ESS50002	WOB Rotate (klbs):	20
Date Out:	06/22/2022 07:50	Description:	5" MOTOR 7/8 5.0 FBH@2.38 W/TS	WOB Slide (klbs):	20
Depth In/Out(Usft):	10078.00 / 10486.00	Make/Model:	Intrepid / Interceptor	RPM:	20
Inc In/Out:	51.74 / 88.43	Re-run/Direct Bill:	NO / NO	Flow Rate (gpm):	275
Azi In/Out:	5.53 / 0.26	Lobes / Stages:	7/8 / 5.0	Off Btm Press (psi):	1600
Total Drilled (Usft):	408	Bend Angle:	2.38	On Btm Press (psi):	2160.71
%Slide (Ftg):	59.07	Bit to Bend (Usft):	3.6	Tq On Btm (kftlbs):	7
%Slide (Time):	70.37	Sleeve Stab OD (in):		Tq Off Btm (kftlbs):	0
Slide Drilled (Usft):	241	Bearing Gap (in):	1	Avg Diff Press (psi):	1130
Slide Hours:	4.75	Stab to Bit (Usft):		Bit Data	
%Rotary (Ftg):	40.93	Kickpad OD (in):	5.25	Make:	Ulterra
%Rotary (Time):	29.63	Body OD (in):	5	Model:	U611S
Rotary Drilled (Usft):	167	Fishneck OD (in):	5	OD (in):	6.75
Rotary Hours:	2	Length (Usft):	24	TFA:	1.03 (6x15)
Total Drlg Hrs:	6.75	Integral Float:	YES	Bit #	7
Circ/BRT Hrs:	0.25 / 22.08	Rev per Gal:	0.642	Grade In:	New
Slide ROP (Usft/hr):	50.74	# Stalls / Pressure:		Grade Out:	1-1-FC-A-X-I-NO-BHA
Rot ROP (Usft/hr):	83.5	Stator Vendor/Type/Fit:	PV / HS88 G0 / 0.008	Drill Hrs:	6.75
Avg ROP (Usft/hr):	60.44	Pre Run Dyno HP%:	93.7	Circ Hrs:	0.25

Mud Data												
600/300	200/100	6/3	PH	Oil/Water	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8 / 5	4 / 3	2 / 1		0/100	3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)									Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)	
53	40										0.00 / 18.88	

BHA Details								
Description	SN	OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Wt (lbs/ft)	Len (Usft)	Total Length (Usft)
Ulterra U611S 1.03 (6x15)	61010	6.75				52.3	1	1
5" MOTOR 7/8 5.0 FBH@2.38 W/TS	ESS50002	5				56.2	24	25
FLOAT SUB	IFS500001	5.25	2.5			50.1	2.43	27.43
NON MAG UBHO	BT-500566	5.25	2.75			50.1	3.52	30.95
NON MAG DRILL COLLAR	DR40479	5	2.812			50.1	27.65	58.6
NON MAG DRILL COLLAR	DR40957	5	2.812			550.1	28.48	87.08
CET43 X XT-39	DR49720	5	2.25			50.1	4.15	91.23
								91.23

Additional Comments

Assembly was used to drill remainder of curve. Assembly performed as expected achieving 20 degrees/100. When on surface motor drained & no play in bearings. bit grade 1-1

				Job #		30-025-49940			Operator:		Advance Energy Partners			
				API Job#		30-025-49940			Field:		Hat Mesa			
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H			
				Longitude:		103° 36' 48.665" W			State:		New Mexico			
				Rig:		Nabor X49			County:		Lea			
				Reason POOH:		Change BHA			BHA/MWD #		6 / 6			
				MWD Engineers:					Company Man:					
MWD Post Run Report														
Run Data				MWD Tool SN						Drilling Parameters				
Date In:		06/21/2022 09:45		Pulser SN:						WOB (klbs):		20		
Date Out:		06/22/2022 07:50		Driver SN:						RPM:		20		
Depth In/Out(Usft):		10078.00 / 10486.00		Directional SN:						Flow Rate (gpm):		275		
Inc In/Out:		51.74 / 88.43		Battery 1 SN:						Off Btm Press (psi):		1600		
Azi In/Out:		5.53 / 0.26		Battery 2 SN:						On Btm Press (psi):		2160.71		
Total Drilled (Usft):		408		Battery 3 SN:						Tq On Btm (kftlbs):		7		
% Slide:		59.07		Gamma SN:						Tq Off Btm (kftlbs):		0		
Slide Drilled (Usft):		241		EM SN:						Avg Diff Press (psi):		1130		
Slide Hours:		4.75		Helix SN:						Bit Data				
% Rotary:		40.93		MWD Plug In Data						Make / Model:		Ulterra / U611S		
Rotary Drilled (Usft):		167		Plug In Date:						OD (in):		6.75		
Rotary Hours:		2		Plug In Time						TFA:		1.03 (6x15)		
Drlg/Circ/BRT Hrs:		6.75 / 0.25 / 22.08		Plug Out Date:						Bit #		7		
Slide ROP (Usft/hr):		50.74		Plug Out Time:						Grade In:		New		
Rot ROP (Usft/hr):		83.5		Plug In Hours:						Grade Out:		1-1-FC-A-X-I-NO-BHA		
Avg ROP (Usft/hr):		60.44		Circ Hours:		0.25				Drill / Circ Hrs:		6.75 / 0.25		
Mud Data														
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)	
8	5	4	3	2	1	3	2	10	175000	WBM	2.34		1000.25 / 0.00	
Sensor Offsets(Usft)										Directional Performance				
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)		Act/Max DLS (°/100ft)		
53	40											0.00 / 18.88		
BHA Details														
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)		
Ulterra U611S 1.03 (6x15)				6.75				52.3		1		1		
5" MOTOR 7/8 5.0 FBH@2.38 W/TS				5				56.2		24		25		
FLOAT SUB				5.25	2.5			50.1		2.43		27.43		
NON MAG UBHO				5.25	2.75			50.1		3.52		30.95		
NON MAG DRILL COLLAR				5	2.812			50.1		27.65		58.6		
NON MAG DRILL COLLAR				5	2.812			550.1		28.48		87.08		
CET43 X XT-39				5	2.25			50.1		4.15		91.23		
												91.23		
MWD Post Run Data														
Surface System				Surface Tests				MWD Parameters						
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm			0			
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm			0			
Logging HASP SN				Pre Run Flow				Good Detection						
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate			0.00 / 0.00			
BU Laptop SN				Post Run Comms				Fin Size (in)						
Aggregator SN				Post Run Pulse				Retrievable						
Depth Tracking SN				Post Run Flow				Internal Offset						
Transducer SN				Post Run Tap				External Offset						
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type						
MWD Kit SN				Dir Ver.				Poppet Size						
Gamma Kit SN				Pulser Ver.				EM Power						
Surf Sys Ver.				Gamma Ver.				EM Freq						
Surf Sys Type		BTRC		Dir Type				UBHO Data						
EDR				Pulser Type				UBHO SN			BT-500566			
Hookload Sensor				Gamma Type				UBHO Length (Usft)			3.52			
Receiver Type				MWD Type				UBHO Connection			XT39			
BU Reciver SN				Helix Type				UBHO Pin->Setscrew						
BU Surf Sys Type				Battery Type										
Laptop 3 SN														

Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	25.57		
Req NM Above		Req NM Below		Azimuth Error	
MWD Comments					

				Job #		30-025-49940			Operator:		Advance Energy Partners														
				API Job#		30-025-49940			Field:		Hat Mesa														
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H														
				Longitude:		103° 36' 48.665" W			State:		New Mexico														
				Rig:		Nabor X49			County:		Lea														
				Reason POOH:		Bit Trip			BHA #		7														
				Lead DD:					Company Man:																
BHA Performance Report										Drilling Parameters															
Run Data				Motor data						Temperature (degF):		1000.25/0.00/0.00													
Date In:		06/22/2022 08:30		SN:		XSH57087				WOB Rotate (klbs):		28.81													
Date Out:		06/26/2022 19:45		Description:		5.75" 9/10 11:0 FBH @ 1.50deg W TS				WOB Slide (klbs):		28.14													
Depth In/Out(Usft):		10486.00 / 16568.00		Make/Model:		Intrepid /				RPM:		68.64													
Inc In/Out:		88.44 / 90.01		Re-run/Direct Bill:		NO / NO				Flow Rate (gpm):		330.2													
Azi In/Out:		0.26 / 358.15		Lobes / Stages:		9/10 / 11.0				Off Btm Press (psi):		2100.99													
Total Drilled (Usft):		6082		Bend Angle:		1.5				On Btm Press (psi):		2635.64													
%Slide (Ftg):		14.96		Bit to Bend (Usft):		4				Tq On Btm (kftlbs):		11.8													
%Slide (Time):		26.65		Sleeve Stab OD (in):						Tq Off Btm (kftlbs):		0													
Slide Drilled (Usft):		910		Bearing Gap (in):		1				Avg Diff Press (psi):		2480													
Slide Hours:		23.25		Stab to Bit (Usft):						Bit Data															
%Rotary (Ftg):		85.04		Kickpad OD (in):		6				Make:		Baker Hughes													
%Rotary (Time):		73.35		Body OD (in):		5.75				Model:		DD406VTWS													
Rotary Drilled (Usft):		5172		Fishneck OD (in):		5.75				OD (in):		6.75													
Rotary Hours:		64		Length (Usft):		38.7				TFA:		1.08 (3x12, 3x18)													
Total Drlg Hrs:		87.25		Integral Float:		YES				Bit #		7													
Circ/BRT Hrs:		2.33 / 107.25		Rev per Gal:		0.5				Grade In:		New													
Slide ROP (Usft/hr):		39.14		# Stalls / Pressure:						Grade Out:		1-4-BT-S-X-I-LT-BHA													
Rot ROP (Usft/hr):		80.81		Stator Vendor/Type/Fit:		PV / HS88 G0 / 0.008				Drill Hrs:		87.25													
Avg ROP (Usft/hr):		69.71		Pre Run Dyno HP%:		88.7				Circ Hrs:		2.33													
Mud Data																									
600/300		200/100		6/3		PH		Oil/Water		PV		YP		Wt (ppg)		Chlorides		Type		%Solids		%Sand		Temp (degF)	
8 / 5		4 / 3		2 / 1				0/100		3		2		10		175000		WBM		2.34					
Sensor Offsets(Usft)										Directional Performance															
Svy		Gam		Res		PWD		Dens		Neu		Sonic		NB Inc		NB Azi		Gyro		Plan DLS (°/100ft)		Act/Max DLS (°/100ft)			
53		40																				0.00 / 4.37			
BHA Details																									
Description				SN		OD (in)		ID (in)		TJ OD (in)		TJ ID (in)		Wt (lbs/ft)		Len (Usft)		Total Length (Usft)							
Baker Hughes DD406VTWS 1.08 (3x12, 3x18)				5331412		6.75								52.3		1		1							
5.75" 9/10 11:0 FBH @ 1.50deg W TS				XSH57087		5.75								56.2		38.7		39.7							
FLOAT SUB				IFS500001		5.25		2.5						50.1		2.43		42.13							
NON MAG UBHO				BT-500566		5.25		2.75						50.1		3.52		45.65							
NON MAG DRILL COLLAR				DR40479		5		2.812						50.1		27.65		73.3							
NON MAG DRILL COLLAR				DR40957		5		2.812						550.1		28.48		101.78							
CET43 X XT-39				DR49720		5		2.25						50.1		4.15		105.93							
4.5" Drill Pipe				Rig		4.5		3.826								2647.02		2752.95							
5 1/4" POWERGLIDE 0.80 PLATE				PG525-0080		5.25										21.27		2774.22							
																		2774.22							
Additional Comments																									

POOH due to Motor holding 1200 PSI off bottom. Motor drained and had 1/4 slack in bearing housing.

Bit Grade 1-4-BT-S-X-I-LT-PP

Images	
	





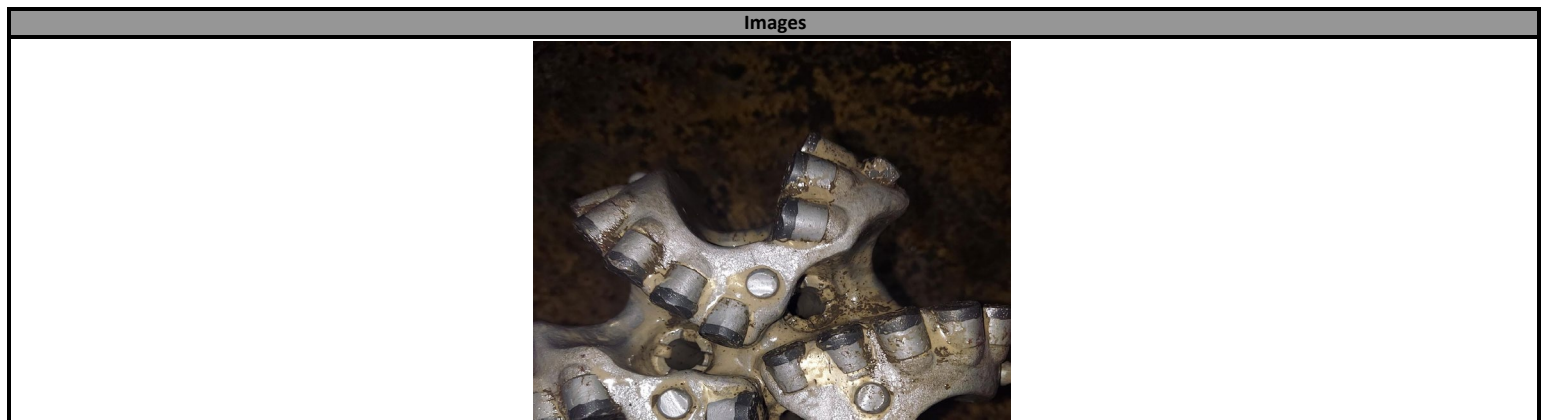
Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940			Operator:		Advance Energy Partners				
				API Job#		30-025-49940			Field:		Hat Mesa				
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H				
				Longitude:		103° 36' 48.665" W			State:		New Mexico				
				Rig:		Nabor X49			County:		Lea				
				Reason POOH:		Bit Trip			BHA/MWD #		7 / 7				
				MWD Engineers:					Company Man:						
MWD Post Run Report															
Run Data				MWD Tool SN						Drilling Parameters					
Date In:		06/22/2022 08:30		Pulser SN:						WOB (klbs):		28.81			
Date Out:		06/26/2022 19:45		Driver SN:						RPM:		68.64			
Depth In/Out(Usft):		10486.00 / 16568.00		Directional SN:						Flow Rate (gpm):		330.2			
Inc In/Out:		88.44 / 90.01		Battery 1 SN:						Off Btm Press (psi):		2100.99			
Azi In/Out:		0.26 / 358.15		Battery 2 SN:						On Btm Press (psi):		2635.64			
Total Drilled (Usft):		6082		Battery 3 SN:						Tq On Btm (kftlbs):		11.8			
% Slide:		14.96		Gamma SN:						Tq Off Btm (kftlbs):		0			
Slide Drilled (Usft):		910		EM SN:						Avg Diff Press (psi):		2480			
Slide Hours:		23.25		Helix SN:						Bit Data					
% Rotary:		85.04		MWD Plug In Data						Make / Model:				Baker Hughes / DD406VTV	
Rotary Drilled (Usft):		5172		Plug In Date:						OD (in):		6.75			
Rotary Hours:		64		Plug In Time						TFA:		1.08 (3x12, 3x18)			
Drlg/Circ/BRT Hrs:		87.25 / 2.33 / 107.25		Plug Out Date:						Bit #		7			
Slide ROP (Usft/hr):		39.14		Plug Out Time:						Grade In:		New			
Rot ROP (Usft/hr):		80.81		Plug In Hours:						Grade Out:		1-4-BT-S-X-I-LT-BHA			
Avg ROP (Usft/hr):		69.71		Circ Hours:		2.33				Drill / Circ Hrs:		87.25 / 2.33			
Mud Data															
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)		
8	5	4	3	2	1	3	2	10	175000	WBM	2.34	1000.25 / 0.00			
Sensor Offsets(Usft)										Directional Performance					
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)	Act/Max DLS (°/100ft)				
53	40										0.00 / 4.37				
BHA Details															
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)			
Baker Hughes DD406VTWS 1.08 (3x12, 3x18)				6.75				52.3		1		1			
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75				56.2		38.7		39.7			
FLOAT SUB				5.25	2.5			50.1		2.43		42.13			
NON MAG UBHO				5.25	2.75			50.1		3.52		45.65			
NON MAG DRILL COLLAR				5	2.812			50.1		27.65		73.3			
NON MAG DRILL COLLAR				5	2.812			550.1		28.48		101.78			
CET43 X XT-39				5	2.25			50.1		4.15		105.93			
4.5" Drill Pipe				4.5	3.826					2647.02		2752.95			
5 1/4" POWERGLIDE 0.80 PLATE				5.25						21.27		2774.22			
												2774.22			
MWD Post Run Data															
Surface System				Surface Tests				MWD Parameters							
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm			0				
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm			0				
Logging HASP SN				Pre Run Flow				Good Detection							
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate			0.00 / 0.00				
BU Laptop SN				Post Run Comms				Fin Size (in)							
Aggregator SN				Post Run Pulse				Retrievable							
Depth Tracking SN				Post Run Flow				Internal Offset							
Transducer SN				Post Run Tap				External Offset							
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type							
MWD Kit SN				Dir Ver.				Poppet Size							
Gamma Kit SN				Pulser Ver.				EM Power							
Surf Sys Ver.				Gamma Ver.				EM Freq							
Surf Sys Type		BTRC		Dir Type				UBHO Data							
EDR				Pulser Type				UBHO SN			BT-500566				
Hookload Sensor				Gamma Type				UBHO Length (Usft)			3.52				
Receiver Type				MWD Type				UBHO Connection			XT39				
BU Reciver SN				Helix Type				UBHO Pin->Setscrew							

BU Surf Sys Type		Battery Type			
Laptop 3 SN					
Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	10.87		
Req NM Above		Req NM Below		Azimuth Error	
Agitator Details					
SN	PG525-0080	Length (Usft)	21.27	Make	DWS
Model		Distance From Bit	2752.95		
MWD Comments					

				Job #		30-025-49940			Operator:		Advance Energy Partners		
				API Job#		30-025-49940			Field:		Hat Mesa		
				Latitude:		32° 27' 0.418" N			Well:		Dagger State Com 304H		
				Longitude:		103° 36' 48.665" W			State:		New Mexico		
				Rig:		Nabor X49			County:		Lea		
				Reason POOH:		Well TD			BHA #		8		
				Lead DD:					Company Man:				
BHA Performance Report										Drilling Parameters			
Run Data				Motor data						Temperature (degF):		0.00/0.00/0.00	
Date In:		6/26/2022 21:50		SN:		XSH57077				WOB Rotate (klbs):		25/28/30	
Date Out:		6/29/2022 05:30		Description:		5.75" 9/10 11:0 FBH @ 1.50deg W TS				WOB Slide (klbs):		27.5	
Depth In/Out(Usft):		16568.00 / 18220.00		Make/Model:		Intrepid /				RPM:		70/70/70	
Inc In/Out:		90.01 / 93.85		Re-run/Direct Bill:		NO / NO				Flow Rate (gpm):		350/350/350	
Azi In/Out:		358.15 / 356.51		Lobes / Stages:		9/10 / 11.0				Off Btm Press (psi):		2400/2400/2400	
Total Drilled (Usft):		1652		Bend Angle:		1.5				On Btm Press (psi):		3000/3000/3000	
%Slide (Ftg):		7.93		Bit to Bend (Usft):		4				Tq On Btm (kftlbs):		18/19/20	
%Slide (Time):		17.18		Sleeve Stab OD (in):						Tq Off Btm (kftlbs):		0	
Slide Drilled (Usft):		131		Bearing Gap (in):		1				Avg Diff Press (psi):		2480	
Slide Hours:		4.08		Stab to Bit (Usft):						Bit Data			
%Rotary (Ftg):		92.07		Kickpad OD (in):		6				Make:		Baker Hughes	
%Rotary (Time):		82.82		Body OD (in):		5.75				Model:		DD406VTW	
Rotary Drilled (Usft):		1521		Fishneck OD (in):		5.75				OD (in):		6.75	
Rotary Hours:		19.67		Length (Usft):		38.7				TFA:		0.92 (3x12, 3x16)	
Total Drlg Hrs:		23.75		Integral Float:		YES				Bit #		8	
Circ/BRT Hrs:		6.75 / 55.67		Rev per Gal:		0.5				Grade In:		New	
Slide ROP (Usft/hr):		32.11		# Stalls / Pressure:						Grade Out:		1-2-CT-G-X-I-NO-TD	
Rot ROP (Usft/hr):		77.33		Stator Vendor/Type/Fit:		PV / HS88 G0 / 0.008				Drill Hrs:		23.75	
Avg ROP (Usft/hr):		69.56		Pre Run Dyno HP%:		88.7				Circ Hrs:		6.75	
Mud Data													
600/300	200/100	6/3	PH	Oil/Water		PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)
8 / 5	4 / 3	2 / 1		0/100		3	2	10	175000	WBM	2.34		
Sensor Offsets(Usft)										Directional Performance			
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)		Act/Max DLS (°/100ft)	
68	54											0.00 / 1.53	
BHA Details													
Description				SN		OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Wt (lbs/ft)	Len (Usft)	Total Length (Usft)	
Baker Hughes DD406VTW 0.92 (3x12, 3x16)				5327212		6.75				52.3	1	1	
5.75" 9/10 11:0 FBH @ 1.50deg W TS				XSH57077		5.75				56.2	38.7	39.7	
FLOAT SUB				IFS500001		5.25	2.5			50.1	2.43	42.13	
NON MAG UBHO				BT-500566		5.25	2.75			50.1	3.52	45.65	
NON MAG DRILL COLLAR				DR40479		5	2.812			50.1	27.65	73.3	
NON MAG DRILL COLLAR				DR40957		5	2.812			550.1	28.48	101.78	
CET43 X XT-39				DR49720		5	2.25			50.1	4.15	105.93	
4.5" Drill Pipe				Rig		4.5	3.826				2647.02	2752.95	
5 1/4" POWERGLIDE 0.80 PLATE				PG525-0049		5.25					21.57	2774.52	
												2774.52	
Additional Comments													

BHA trend building in rotation, average MY 10/100, motor drained well with little to no slack in bearings. Bit had one chipped cutter on gauge row with no other visual damage.







Well Seeker PRO 2.0.8.18 - Ameredev

				Job #		30-025-49940				Operator:		Advance Energy Partners		
				API Job#		30-025-49940				Field:		Hat Mesa		
				Latitude:		32° 27' 0.418" N				Well:		Dagger State Com 304H		
				Longitude:		103° 36' 48.665" W				State:		New Mexico		
				Rig:		Nabor X49				County:		Lea		
				Reason POOH:		Well TD				BHA/MWD #		8 / 8		
				MWD Engineers:						Company Man:				
MWD Post Run Report														
Run Data				MWD Tool SN						Drilling Parameters				
Date In:		6/26/2022 21:50		Pulser SN:						WOB (klbs):		25/28/30		
Date Out:		6/29/2022 05:30		Driver SN:						RPM:		70/70/70		
Depth In/Out(Usft):		16568.00 / 18220.00		Directional SN:						Flow Rate (gpm):		350/350/350		
Inc In/Out:		90.01 / 93.85		Battery 1 SN:						Off Btm Press (psi):		2400/2400/2400		
Azi In/Out:		358.15 / 356.51		Battery 2 SN:						On Btm Press (psi):		3000/3000/3000		
Total Drilled (Usft):		1652		Battery 3 SN:						Tq On Btm (kftlbs):		18/19/20		
% Slide:		7.93		Gamma SN:						Tq Off Btm (kftlbs):		0		
Slide Drilled (Usft):		131		EM SN:						Avg Diff Press (psi):		2480		
Slide Hours:		4.08		Helix SN:						Bit Data				
% Rotary:		92.07		MWD Plug In Data						Make / Model: Baker Hughes / DD406VTW				
Rotary Drilled (Usft):		1521		Plug In Date:						OD (in):		6.75		
Rotary Hours:		19.67		Plug In Time						TFA:		0.92 (3x12, 3x16)		
Drlg/Circ/BRT Hrs:		23.75 / 6.75 / 55.67		Plug Out Date:						Bit #		8		
Slide ROP (Usft/hr):		32.11		Plug Out Time:						Grade In:		New		
Rot ROP (Usft/hr):		77.33		Plug In Hours:						Grade Out:		1-2-CT-G-X-I-NO-TD		
Avg ROP (Usft/hr):		69.56		Circ Hours:		6.75				Drill / Circ Hrs:		23.75 / 6.75		
Mud Data														
600	300	200	100	6	3	PV	YP	Wt (ppg)	Chlorides	Type	%Solids	%Sand	Temp (degF)	
8	5	4	3	2	1	3	2	10	175000	WBM	2.34			
Sensor Offsets(Usft)										Directional Performance				
Svy	Gam	Res	PWD	Dens	Neu	Sonic	NB Inc	NB Azi	Gyro	Plan DLS (°/100ft)		Act/Max DLS (°/100ft)		
68	54											0.00 / 1.53		
BHA Details														
Description				OD (in)	ID (in)	TJ OD (in)	TJ ID (in)	Weight (lbs/ft)		Length (Usft)		Total Length (Usft)		
Baker Hughes DD406VTW 0.92 (3x12, 3x16)				6.75				52.3		1		1		
5.75" 9/10 11:0 FBH @ 1.50deg W TS				5.75				56.2		38.7		39.7		
FLOAT SUB				5.25	2.5			50.1		2.43		42.13		
NON MAG UBHO				5.25	2.75			50.1		3.52		45.65		
NON MAG DRILL COLLAR				5	2.812			50.1		27.65		73.3		
NON MAG DRILL COLLAR				5	2.812			550.1		28.48		101.78		
CET43 X XT-39				5	2.25			50.1		4.15		105.93		
4.5" Drill Pipe				4.5	3.826					2647.02		2752.95		
5 1/4" POWERGLIDE 0.80 PLATE				5.25						21.57		2774.52		
												2774.52		
MWD Post Run Data														
Surface System				Surface Tests				MWD Parameters						
Rig Floor Disp. SN				Pre Run Comms				Pulse Amp Off Btm			0			
Barrier Box SN				Pre Run Pulse				Pulse Amp On Btm			0			
Logging HASP SN				Pre Run Flow				Good Detection						
Main Laptop SN				Pre Run Tap				Pulse Width / Data Rate			0.00 / 0.00			
BU Laptop SN				Post Run Comms				Fin Size (in)						
Aggregator SN				Post Run Pulse				Retrievable						
Depth Tracking SN				Post Run Flow				Internal Offset						
Transducer SN				Post Run Tap				External Offset						
Receiver SN				Software Ver. / Tool Types				Orifice Size/Type						
MWD Kit SN				Dir Ver.				Poppet Size						
Gamma Kit SN				Pulser Ver.				EM Power						
Surf Sys Ver.				Gamma Ver.				EM Freq						
Surf Sys Type		BTRC		Dir Type				UBHO Data						
EDR				Pulser Type				UBHO SN			BT-500566			
Hookload Sensor				Gamma Type				UBHO Length (Usft)			3.52			
Receiver Type				MWD Type				UBHO Connection			XT39			
BU Reciver SN				Helix Type				UBHO Pin->Setscrew						

BU Surf Sys Type		Battery Type			
Laptop 3 SN					
Laptop 4 SN					
DD Verification					
MWD Verification 1					
MWD Verification 2					
TF Sequence					
Survey Sequence					
X/O Angle					
Run OOS	No				
Magnetics					
Total Field	47577.36	Dip Angle	60.199	Declination	6.474
Convergence	0.386	North Ref	GRID	Applied Correction	6.088
Non Mag Above		Non Mag Below	25.87		
Req NM Above		Req NM Below		Azimuth Error	
Agitator Details					
SN	PG525-0049	Length (Usft)	21.57	Make	DWS
Model		Distance From Bit	2752.95		
MWD Comments					

Slide Report

Operator:	Advance Energy Partners	BHA Description:	BHA 1	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	2,196.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	167.00 (7.60%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	66.00 / 53.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotate:	2029.00 (92.40%)

Date											Survey Data										Drilling Parameters										Weights				Comments
	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF		MD	INC	AZI	TVD	NS	EW	VS	DLS	UD		LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT	SO			
06/10/2022	20:10	21:30	1.33	1,554.00	1,631.00	77.00	Rotate			1,625.00	0.31	59.26	1,624.90	-4.70	3.79	-4.73	0.37	0.00		0.00	25.00	20.00	400.00	6.00	57.75	650.00	550.00	100.00		105.00	105.00	105.00			
06/10/2022	21:30	22:15	0.75	1,631.00	1,705.00	74.00	Rotate														35.00	50.00	750.00	12.50	98.67	2,450.00	1,400.00	1,050.00		105.00	105.00	105.00			
06/10/2022	22:15	22:35	0.33	1,705.00	1,725.00	20.00	Slide	210.00		1,720.00	0.48	166.31	1,719.90	-4.96	4.11	-4.99	0.68	0.00		0.00	15.00		750.00		60.00	1,700.00	1,400.00	300.00		105.00	105.00	105.00			
06/10/2022	22:35	23:55	1.33	1,725.00	1,990.00	265.00	Rotate			1,815.00	1.14	174.75	1,814.89	-6.29	4.29	-6.32	0.70	0.00		0.00	35.00	50.00	900.00	12.50	198.75	2,800.00	2,100.00	700.00		105.00	105.00	105.00			
06/10/2022	23:55	24:00	0.08	1,990.00	1,994.00	4.00	Slide	210.00													15.00		887.00		48.00	2,450.00	2,100.00	350.00		105.00	105.00	105.00			
06/11/2022	00:00	00:15	0.25	1,994.00	2,010.00	16.00	Slide	0.00		2,003.00	1.27	194.88	2,002.86	-9.65	4.81	-9.69	0.88	0.00		0.00	15.00		887.00		64.00	2,450.00	2,100.00	350.00		105.00	105.00	105.00			
06/11/2022	00:15	03:10	2.92	2,010.00	2,740.00	730.00	Rotate			2,098.00	2.15	207.36	2,097.81	-12.25	3.72	-12.28	1.00	0.00		0.00	35.00	50.00	887.00	12.50	250.29	3,100.00	2,100.00	1,000.00		105.00	105.00	105.00			
06/11/2022	03:10	03:35	0.42	2,740.00	2,755.00	15.00	Slide	170.00													15.00		887.00		36.00	2,450.00	2,100.00	350.00		105.00	105.00	105.00			
06/11/2022	03:35	04:20	0.75	2,755.00	2,847.00	92.00	Rotate			2,760.00	1.19	152.78	2,759.55	-29.44	1.30	-29.44	0.28	0.00		0.00	35.00	50.00	887.00	12.50	122.67	3,100.00	2,300.00	800.00		105.00	105.00	105.00			
06/11/2022	04:20	04:45	0.42	2,847.00	2,868.00	21.00	Slide	170.00		2,854.00	1.89	152.34	2,853.52	-31.68	2.46	-31.69	0.74	0.00		0.00	15.00		887.00		50.40	2,600.00	2,300.00	300.00		105.00	105.00	105.00			
06/11/2022	04:50	05:05	0.25	2,868.00	2,931.00	63.00	Rotate														35.00	50.00	887.00	12.50	252.00	3,200.00	2,300.00	900.00		105.00	105.00	105.00			
06/11/2022	05:05	05:50	0.75	2,931.00	2,951.00	20.00	Slide	170.00		2,948.00	3.38	156.21	2,947.42	-35.59	4.30	-35.62	1.60	0.00		0.00	15.00		887.00		76.67	2,600.00	2,300.00	300.00		105.00	105.00	105.00			
06/11/2022	05:50	06:15	0.42	2,951.00	3,026.00	75.00	Rotate														35.00	50.00	887.00	12.50	180.00	3,000.00	2,400.00	600.00		105.00	105.00	105.00			
06/11/2022	06:20	06:50	0.50	3,026.00	3,046.00	20.00	Slide	175.00		3,042.00	4.84	161.30	3,041.17	-41.88	6.69	-41.92	1.60	0.00		0.00	15.00		887.00		40.00	2,600.00	2,400.00	200.00		140.00	135.00	120.00			
06/11/2022	06:50	07:15	0.42	3,046.00	3,148.00	102.00	Rotate			3,137.00	5.81	165.99	3,135.76	-50.34	9.14	-50.40	1.12	0.00		0.00	38.00	50.00	887.00	15.00	244.80	3,000.00	2,400.00	600.00		140.00	135.00	120.00			
06/11/2022	07:35	07:50	0.25	3,148.00	3,219.00	71.00	Rotate														38.00	50.00	887.00	15.00	284.00	3,000.00	2,400.00	600.00		140.00	135.00	120.00			
06/11/2022	08:10	08:35	0.42	3,219.00	3,313.00	94.00	Rotate			3,232.00	5.54	153.75	3,230.30	-59.12	12.33	-59.20	1.30	0.00		0.00	38.00	50.00	887.00	15.00	225.60	3,000.00	2,400.00	600.00		140.00	135.00	120.00			
06/11/2022	08:35	09:25	0.83	3,313.00	3,338.00	25.00	Slide	240.00		3,326.00	5.54	154.54	3,323.86	-67.28	16.29	-67.40	0.08	0.00		0.00	10.00		887.00		30.00	2,600.00	2,400.00	200.00		140.00	135.00	120.00			
06/11/2022	09:25	09:45	0.33	3,338.00	3,415.00	77.00	Rotate														38.00	50.00	887.00	15.00	231.00	3,000.00	2,400.00	600.00		140.00	135.00	120.00			
06/11/2022	10:20	10:50	0.50	3,415.00	3,441.00	26.00	Slide	80.00		3,420.00	5.54	164.91	3,417.42	-75.76	19.42	-75.90	1.06	0.00		0.00	10.00		887.00		52.00	2,600.00	2,400.00	200.00		140.00	135.00	120.00			
06/11/2022	10:50	11:05	0.25	3,441.00	3,487.00	46.00	Rotate														38.00	50.00	887.00	15.00	184.00	3,000.00	2,400.00	600.00		140.00	135.00	120.00			
06/11/2022	13:00	13:50	0.83	3,487.00	3,616.00	129.00	Rotate			3,515.00	5.89	169.48	3,511.95	-84.98	21.50	-85.13	0.60	0.00		0.00	38.00	50.00	887.00	15.00	154.80	3,000.00	2,400.00	600.00		140.00	135.00	120.00			
06/11/2022	14:20	15:05	0.75	3,616.00	3,750.00	134.00	Rotate			3,684.00	5.01	170.80	3,680.21	-100.56	24.18	-100.73	0.30	0.00		0.00	38.00	50.00	887.00	15.00	178.67	3,000.00	2,400.00	600.00		140.00	135.00	120.00			

Slide Report

Operator:	Advance Energy Partners	BHA Description:	BHA 2	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	1,700.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	92.00 (5.41%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	66.00 / 53.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotator:	1608.00 (94.59%)

Survey Data																		Drilling Parameters							Weights					Comments	
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT		SO
06/13/2022	11:05	11:40	0.58	3,750.00	3,767.00	17.00	Rotate												15.00	20.00	400.00	6.00	29.14	750.00	500.00	250.00		150.00	140.00	130.00	
06/13/2022	11:50	12:25	0.58	3,767.00	3,807.00	40.00	Rotate		3,799.00	4.62	169.39	3,794.80	-110.07	25.83	-110.25	0.35	0.00	0.00	20.00	30.00	500.00	7.00	68.57	1,000.00	800.00	200.00		150.00	140.00	130.00	
06/13/2022	12:25	12:45	0.33	3,807.00	3,861.00	54.00	Rotate												40.00	40.00	700.00	12.00	162.00	2,000.00	1,500.00	500.00		150.00	140.00	130.00	
06/13/2022	12:55	13:05	0.17	3,861.00	3,900.00	39.00	Rotate		3,899.00	4.09	168.42	3,894.51	-117.52	27.29	-117.72	0.54	0.00	0.00	40.00	40.00	900.00	12.00	234.00	2,900.00	2,400.00	500.00		150.00	140.00	130.00	
06/13/2022	13:30	13:40	0.17	3,900.00	3,945.00	45.00	Rotate												40.00	40.00	900.00	12.00	270.00	2,900.00	2,400.00	500.00		150.00	140.00	130.00	
06/13/2022	13:55	14:10	0.25	3,945.00	4,001.00	56.00	Rotate												40.00	40.00	900.00	12.00	224.00	2,900.00	2,400.00	500.00		150.00	140.00	130.00	
06/13/2022	17:00	17:10	0.10	4,001.00	4,015.00	14.00	Rotate		4,083.00	3.65	168.69	4,078.09	-129.69	29.76	-129.90	0.24	0.00	0.00	40.00	40.00	750.00	12.00	133.71	1,850.00	1,300.00	550.00		150.00	140.00	130.00	Fluid Losses
06/13/2022	17:30	18:05	0.58	4,177.00	4,277.00	20.00	Slide	165.00											40.00	40.00	750.00	12.00	34.29		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	18:05	19:25	1.33	4,177.00	4,332.00	155.00	Rotate		4,272.00	5.71	163.68	4,266.45	-144.62	33.58	-144.86	1.11	0.00	0.00	40.00	40.00	750.00	12.00	116.25		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	19:35	20:00	0.42	4,332.00	4,427.00	95.00	Rotate												40.00	40.00	750.00	12.00	228.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	20:10	20:35	0.42	4,427.00	4,524.00	97.00	Rotate		4,461.00	5.27	155.68	4,454.59	-161.55	39.79	-161.83	0.47	0.00	0.00	40.00	40.00	750.00	12.00	232.80		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	20:40	20:55	0.25	4,524.00	4,531.00	7.00	Rotate												40.00	40.00	750.00	12.00	28.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	20:55	21:15	0.33	4,531.00	4,547.00	16.00	Slide	180.00											40.00	40.00	750.00	12.00	48.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	21:15	21:30	0.25	4,547.00	4,616.00	69.00	Rotate		4,555.00	6.29	160.69	4,548.11	-170.35	43.28	-170.65	1.21	0.00	0.00	40.00	40.00	750.00	12.00	276.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	21:40	22:05	0.42	4,616.00	4,711.00	95.00	Rotate		4,650.00	6.77	159.99	4,642.49	-180.52	46.91	-180.85	0.51	0.00	0.00	40.00	40.00	750.00	12.00	228.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	22:15	22:35	0.33	4,711.00	4,805.00	94.00	Rotate		4,744.00	6.77	158.05	4,735.84	-190.86	50.88	-191.22	0.24	0.00	0.00	40.00	40.00	750.00	12.00	282.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	22:45	22:50	0.08	4,805.00	4,834.00	29.00	Rotate												40.00	40.00	750.00	12.00	348.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	22:50	23:25	0.58	4,834.00	4,851.00	17.00	Slide	250.00	4,839.00	7.25	163.15	4,830.13	-201.79	54.71	-202.18	0.83	0.00	0.00	40.00	40.00	750.00	12.00	29.14		1,300.00	-1,300.00		150.00	140.00	130.00	
06/13/2022	23:25	24:00	0.58	4,851.00	4,926.00	75.00	Rotate												40.00	40.00	750.00	12.00	128.57		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	00:00	00:25	0.42	4,926.00	4,996.00	70.00	Rotate		4,933.00	7.65	168.60	4,923.34	-213.60	57.67	-214.01	0.86	0.00	0.00	40.00	40.00	750.00	12.00	168.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	00:35	00:40	0.08	4,996.00	5,005.00	9.00	Rotate												40.00	40.00	750.00	12.00	108.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	00:40	01:15	0.58	5,005.00	5,029.00	24.00	Slide	315.00	5,027.00	6.55	175.19	5,016.62	-225.08	59.35	-225.50	1.45	0.00	0.00	40.00	40.00	750.00	12.00	41.14		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	01:15	01:30	0.25	5,029.00	5,089.00	60.00	Rotate												40.00	40.00	750.00	12.00	240.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	01:35	01:45	0.17	5,089.00	5,103.00	14.00	Rotate												40.00	40.00	750.00	12.00	84.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	01:45	02:10	0.42	5,103.00	5,118.00	15.00	Slide	355.00											40.00	40.00	750.00	12.00	36.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	02:10	02:30	0.33	5,118.00	5,183.00	65.00	Rotate		5,122.00	5.19	175.46	5,111.12	-234.76	60.15	-235.19	1.43	0.00	0.00	40.00	40.00	750.00	12.00	195.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	02:40	03:05	0.42	5,183.00	5,280.00	97.00	Rotate		5,217.00	4.92	176.25	5,205.75	-243.11	60.75	-243.54	0.29	0.00	0.00	40.00	40.00	750.00	12.00	232.80		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	03:15	03:35	0.33	5,280.00	5,373.00	93.00	Rotate		5,312.00	5.01	172.73	5,300.39	-251.29	61.54	-251.73	0.33	0.00	0.00	40.00	40.00	750.00	12.00	279.00		1,300.00	-1,300.00		150.00	140.00	130.00	
06/14/2022	03:45	04:05	0.33	5,373.00	5,450.00	77.00	Rotate		5,388.00	4.79	169.57	5,376.11	-257.70	62.54	-258.15	0.46	0.00	0.00	40.00	40.00	750.00	12.00	231.00		1,300.00	-1,300.00		150.00	140.00	130.00	

Slide Report

Operator:	Advance Energy Partners	BHA Description:	BHA 3	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	1,743.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	55.00 (3.16%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	64.00 / 52.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotate:	1688.00 (96.84%)

										Survey Data										Drilling Parameters										Weights				Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF		MD	INC	AZI	TVD	NS	EW	VS	DLS	UD		LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT	SO		
06/16/2022	17:55	18:35	0.67	5,450.00	5,465.00	15.00	Rotate														12.00	20.00	250.00	3.00	22.50	850.00	450.00	400.00		130.00	130.00	130.00		
06/16/2022	23:25	24:00	0.58	5,465.00	5,474.00	9.00	Rotate														15.00	20.00	350.00	4.00	15.43	1,100.00	750.00	350.00		135.00	135.00	135.00		
06/17/2022	00:00	00:20	0.33	5,474.00	5,491.00	17.00	Rotate														15.00	20.00	350.00	4.00	51.00	1,100.00	750.00	350.00		135.00	135.00	135.00		
06/17/2022	00:25	01:40	1.25	5,491.00	5,574.00	83.00	Rotate		5,522.00	4.97	171.94	5,509.63	-268.95	64.37	-269.41	0.20	0.00	0.00	0.00	0.00	15.00	20.00	350.00	4.00	66.40	1,100.00	750.00	350.00		135.00	135.00	135.00		
06/17/2022	01:40	01:45	0.08	5,574.00	5,585.00	11.00	Rotate													20.00	60.00	415.00	5.00	132.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	01:50	02:30	0.67	5,585.00	5,680.00	95.00	Rotate		5,617.00	4.84	168.51	5,604.28	-276.96	65.74	-277.42	0.34	0.00	0.00	0.00	20.00	60.00	415.00	5.00	142.50	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	02:40	03:10	0.50	5,680.00	5,775.00	95.00	Rotate		5,712.00	4.35	165.52	5,698.97	-284.37	67.44	-284.85	0.57	0.00	0.00	0.00	20.00	60.00	415.00	5.00	190.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	03:50	04:00	0.17	5,775.00	5,806.00	31.00	Rotate		5,806.00	3.91	165.00	5,792.73	-290.92	69.16	-291.41	0.47	0.00	0.00	0.00	20.00	60.00	415.00	5.00	186.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	04:10	04:30	0.33	5,806.00	5,869.00	63.00	Rotate													20.00	60.00	415.00	5.00	189.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	04:35	04:40	0.08	5,869.00	5,880.00	11.00	Rotate													20.00	60.00	415.00	5.00	132.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	04:40	05:20	0.67	5,880.00	5,900.00	20.00	Slide	168.00												20.00	60.00	415.00	5.00	30.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	05:20	05:35	0.25	5,900.00	5,969.00	69.00	Rotate		5,901.00	4.53	171.94	5,887.47	-297.76	70.53	-298.26	0.84	0.00	0.00	0.00	20.00	60.00	415.00	5.00	276.00	2,200.00	1,850.00	350.00		135.00	135.00	135.00			
06/17/2022	06:15	06:35	0.33	5,969.00	6,061.00	92.00	Rotate		5,995.00	4.92	175.54	5,981.15	-305.46	71.36	-305.96	0.52	0.00	0.00	0.00	23.00	60.00	415.00	5.00	276.00	2,300.00	1,850.00	450.00		135.00	135.00	135.00			
06/17/2022	06:40	07:10	0.50	6,061.00	6,154.00	93.00	Rotate		6,090.00	4.92	175.02	6,075.80	-313.58	72.03	-314.08	0.05	0.00	0.00	0.00	28.00	60.00	415.00	6.00	186.00	2,400.00	1,850.00	550.00		175.00	160.00	145.00			
06/17/2022	07:15	08:00	0.75	6,154.00	6,342.00	188.00	Rotate		6,184.00	4.70	173.52	6,169.47	-321.42	72.81	-321.93	0.27	0.00	0.00	0.00	28.00	60.00	415.00	6.00	250.67	2,500.00	1,850.00	650.00		175.00	160.00	145.00			
06/17/2022	08:05	09:20	1.25	6,342.00	6,729.00	387.00	Rotate		6,372.00	4.75	175.89	6,356.84	-336.81	74.09	-337.33	0.05	0.00	0.00	0.00	28.00	60.00	415.00	6.00	309.60	2,500.00	1,900.00	600.00		175.00	160.00	145.00			
06/17/2022	09:45	10:00	0.25	6,729.00	6,744.00	15.00	Slide	130.00												28.00			415.00		60.00	2,100.00	1,900.00	200.00		175.00	160.00	145.00		
06/17/2022	10:00	11:20	1.33	6,744.00	7,113.00	369.00	Rotate		6,749.00	4.97	164.91	6,732.64	-366.54	76.94	-367.08	1.17	0.00	0.00	0.00	28.00	60.00	415.00	8.00	276.75	2,500.00	1,850.00	650.00		175.00	160.00	145.00			
06/17/2022	12:10	12:35	0.42	7,113.00	7,133.00	20.00	Slide	160.00	7,128.00	5.63	164.82	7,110.29	-397.02	86.61	-397.63	1.38	0.00	0.00	0.00	18.00			415.00		48.00	2,100.00	1,850.00	250.00		175.00	160.00	145.00		
06/17/2022	13:10	13:30	0.33	7,133.00	7,193.00	60.00	Rotate													28.00	60.00	415.00	8.00	180.00	2,500.00	1,850.00	650.00		175.00	160.00	145.00			

Slide Report

Operator:	Advance Energy Partners	BHA Description:	BHA 4	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	2,256.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	64.00 (2.84%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	64.00 / 52.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotate:	2192.00 (97.16%)

										Survey Data										Drilling Parameters										Weights				Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF		MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT	SO			
06/17/2022	23:35	24:00	0.42	7,193.00	7,259.00	66.00	Rotate			7,222.00	6.20	167.81	7,203.79	-406.43	88.89	-407.06	0.69	0.00	0.00	60.00	60.00	415.00	7.00	158.40	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	00:00	00:40	0.67	7,259.00	7,382.00	123.00	Rotate			7,316.00	5.41	163.59	7,297.31	-415.64	91.22	-416.29	0.95	0.00	0.00	60.00	60.00	415.00	7.00	184.50	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	00:45	01:00	0.25	7,382.00	7,473.00	91.00	Rotate			7,411.00	4.53	158.76	7,391.95	-423.44	93.84	-424.10	1.02	0.00	0.00	60.00	60.00	415.00	7.00	364.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	01:05	01:10	0.08	7,473.00	7,477.00	4.00	Rotate													60.00	60.00	415.00	7.00	48.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	03:10	03:15	0.08	7,477.00	7,485.00	8.00	Rotate													60.00	60.00	415.00	7.00	96.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	03:15	03:50	0.58	7,485.00	7,504.00	19.00	Slide	170.00												60.00	60.00	415.00	7.00	32.57	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	03:50	04:05	0.25	7,504.00	7,555.00	51.00	Rotate			7,505.00	5.89	163.77	7,485.56	-431.53	96.53	-432.21	1.52	0.00	0.00	60.00	60.00	415.00	7.00	204.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	04:20	04:30	0.17	7,555.00	7,569.00	14.00	Rotate													60.00	60.00	415.00	7.00	84.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	04:35	04:55	0.33	7,569.00	7,664.00	95.00	Rotate			7,600.00	5.58	164.91	7,580.08	-440.67	99.10	-441.37	0.35	0.00	0.00	60.00	60.00	415.00	7.00	285.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	05:00	05:25	0.42	7,664.00	7,757.00	93.00	Rotate			7,694.00	4.79	163.06	7,673.70	-448.84	101.43	-449.55	0.86	0.00	0.00	60.00	60.00	415.00	7.00	223.20	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	05:30	05:35	0.08	7,757.00	7,774.00	17.00	Rotate													60.00	60.00	415.00	7.00	204.00	2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	05:35	06:15	0.67	7,774.00	7,774.00		Slide	170.00												60.00	60.00	415.00	7.00		2,500.00	1,950.00	550.00		170.00	160.00	155.00			
06/18/2022	06:15	08:10	1.92	7,774.00	8,243.00	469.00	Rotate			7,789.00	5.27	161.92	7,768.33	-456.78	103.94	-457.51	0.52	0.00	0.00	28.00	60.00	415.00	10.00	244.70	2,900.00	1,950.00	950.00		170.00	160.00	155.00			
06/18/2022	08:30	08:45	0.25	8,243.00	8,258.00	15.00	Slide	175.00												12.00			415.00		60.00	2,250.00	1,950.00	300.00		170.00	160.00	155.00		
06/18/2022	08:45	12:55	4.17	8,258.00	8,862.00	604.00	Rotate			8,262.00	4.97	155.15	8,239.83	-491.27	118.16	-492.11	1.41	0.00	0.00	28.00	60.00	415.00	10.00	144.96	2,550.00	1,950.00	600.00		205.00	190.00	175.00			
06/18/2022	13:20	16:20	3.00	8,862.00	9,084.00	222.00	Rotate			8,924.00	4.31	165.61	8,899.36	-544.73	137.66	-545.70	0.15	0.00	0.00	28.00	60.00	415.00	10.00	74.00	2,450.00	1,950.00	500.00		170.00	160.00	155.00			
06/18/2022	16:50	17:40	0.83	9,084.00	9,178.00	94.00	Rotate			9,113.00	2.37	181.52	9,088.01	-556.00	138.41	-556.98	1.27	0.00	0.00	32.00	60.00	415.00	9.00	112.80	2,450.00	1,950.00	500.00		170.00	160.00	155.00			
06/18/2022	17:45	18:30	0.75	9,178.00	9,272.00	94.00	Rotate			9,208.00	1.54	161.22	9,182.95	-559.17	138.77	-560.15	1.12	0.00	0.00	32.00	60.00	415.00	9.00	125.33	2,450.00	1,950.00	500.00		170.00	160.00	155.00			
06/18/2022	18:35	19:25	0.83	9,272.00	9,365.00	93.00	Rotate			9,302.00	0.92	166.49	9,276.93	-561.10	139.35	-562.09	0.67	0.00	0.00	32.00	60.00	415.00	9.00	111.60	2,450.00	1,950.00	500.00		170.00	160.00	155.00			
06/18/2022	19:30	19:40	0.17	9,365.00	9,386.00	21.00	Rotate													32.00	60.00	415.00	9.00	126.00	2,450.00	1,950.00	500.00		170.00	160.00	155.00			
06/18/2022	19:40	20:40	1.00	9,386.00	9,416.00	30.00	Slide	350.00		9,395.00	1.67	263.70	9,369.91	-561.98	138.18	-562.95	2.16	0.00	0.00	32.00	60.00	415.00	9.00	30.00	2,450.00	1,950.00	500.00		170.00	160.00	155.00			
06/18/2022	20:40	21:50	1.17	9,416.00	9,449.00	33.00	Rotate													32.00	60.00	415.00	9.00	28.29	2,450.00	1,950.00	500.00		170.00	160.00	155.00			

Slide Report

Operator:	Advance Energy Partners	BHA Description:	BHA 5	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	629.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	538.00 (85.53%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	0.00 / 0.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotate:	91.00 (14.47%)

Survey Data																		Drilling Parameters							Weights				Comments		
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU		ROT	SO
06/20/2022	00:45	00:55	0.17	9,449.00	9,459.00	10.00	Rotate												15.00	30.00	348.00	6.00	60.00	2,400.00	1,950.00	450.00		200.00	190.00	185.00	
06/20/2022	01:00	01:50	0.83	9,450.00	9,540.00	81.00	Rotate		9,489.00	3.08	265.54	9,463.83	-562.33	134.30	-563.27	1.50	0.00	0.00	15.00	30.00	348.00	6.00	97.20	2,400.00	1,950.00	450.00		200.00	190.00	185.00	
06/20/2022	02:10	02:45	0.58	9,540.00	9,551.00	11.00	Slide	90.00											15.00	30.00	348.00	6.00	18.86	2,400.00	1,950.00	450.00		200.00	190.00	185.00	
06/20/2022	02:50	03:50	1.00	9,551.00	9,560.00	9.00	Slide	90.00											15.00	30.00	348.00	6.00	9.00	2,400.00	1,950.00	450.00		200.00	190.00	185.00	
06/20/2022	03:50	06:45	2.92	9,560.00	9,647.00	87.00	Slide	350.00	9,583.00	4.26	304.13	9,557.65	-560.56	128.89	-561.47	2.84	0.00	0.00	15.00	30.00	348.00	6.00	29.83	2,400.00	1,950.00	450.00		200.00	190.00	185.00	
06/20/2022	06:55	08:50	1.92	9,647.00	9,697.00	50.00	Slide	45.00	9,678.00	12.04	319.86	9,651.36	-549.38	118.82	-550.22	3.80	0.00	0.00	11.00	5.00	275.00	6.00	26.09	1,400.00	1,200.00	200.00		200.00	190.00	185.00	
06/20/2022	09:25	11:05	1.67	9,697.00	9,739.00	42.00	Slide	45.00	9,730.00	18.99	329.79	9,701.45	-537.91	111.05	-538.69	14.26	0.00	0.00	15.00	5.00	300.00	6.00	25.20	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	11:20	13:05	1.75	9,739.00	9,796.00	57.00	Slide	55.00	9,772.00	24.26	335.33	9,740.48	-524.15	104.01	-524.88	13.44	0.00	0.00	20.00	5.00	300.00	6.00	32.57	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	13:15	14:25	1.17	9,796.00	9,835.00	39.00	Slide	55.00	9,820.00	30.37	340.34	9,783.11	-503.74	95.80	-504.41	13.59	0.00	0.00	20.00	5.00	300.00	6.00	33.43	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	14:50	16:10	1.33	9,835.00	9,886.00	51.00	Slide	60.00	9,866.00	34.29	350.09	9,822.00	-480.00	89.65	-480.63	14.16	0.00	0.00	20.00	5.00	300.00	8.00	38.25	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	14:50	17:30	2.67	9,886.00	9,929.00	43.00	Slide	90.00											20.00	5.00	300.00	8.00	16.13	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	17:45	19:20	1.58	9,929.00	9,980.00	51.00	Slide	40.00	9,961.00	39.69	5.74	9,898.03	-423.29	88.08	-423.91	11.39	0.00	0.00	20.00	5.00	300.00	8.00	32.21	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	19:30	19:35	0.08	9,980.00	9,982.00	2.00	Slide	40.00											20.00	5.00	300.00	8.00	24.00	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	20:05	21:25	1.33	9,982.00	10,022.00	40.00	Slide	0.00	10,015.00	44.53	6.79	9,938.07	-387.31	92.04	-387.96	9.06	0.00	0.00	20.00	5.00	300.00	8.00	30.00	1,800.00	1,400.00	400.00		200.00	190.00	185.00	
06/20/2022	21:30	22:50	1.33	10,022.00	10,078.00	56.00	Slide	0.00	10,055.00	48.22	5.21	9,965.67	-358.52	95.06	-359.19	9.66	0.00	0.00	20.00	5.00	300.00	8.00	42.00	1,800.00	1,400.00	400.00		200.00	190.00	185.00	

Slide Report																																	
Operator:		Advance Energy Partners			BHA Description:			BHA 6			RKB:		3,852.51		North Reference:		GRID		Total Drilled:		408.00												
Site:		Dagger State			BHA / Bit Type:			Motor / PDC			Units:		Us Feet		Declination:		1.00		Slide:		241.00 (59.07%)												
Well Name:		Dagger State Com 304H - Dagger State Com			Survey / Gamma Offset:			53.00 / 40.00			Grid Conv:		3,852.51		VS Azimuth:		359.59		Rotate:		167.00 (40.93%)												
Survey Data																		Drilling Parameters										Weights				Comments	
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT	SO			
06/21/2022	17:15	17:55	0.67	10,078.00	10,109.00	31.00	Slide	0.00	10,102.00	55.38	5.83	9,994.71	-321.78	98.62	-322.48	15.27	0.00	0.00	20.00		275.00		46.50	2,000.00	1,600.00	400.00		220.00	210.00	200.00			
06/21/2022	18:05	19:10	1.08	10,109.00	10,155.00	46.00	Slide	0.00	10,150.00	64.44	5.83	10,018.75	-280.50	102.83	-281.23	18.88	0.00	0.00	20.00		275.00		42.46	2,000.00	1,600.00	400.00		220.00	210.00	200.00			
06/21/2022	19:15	20:10	0.92	10,155.00	10,201.00	46.00	Slide	0.00	10,198.00	72.00	5.56	10,036.55	-236.18	107.25	-236.94	15.76	0.00	0.00	20.00		275.00		50.18	2,000.00	1,600.00	400.00		220.00	210.00	200.00			
06/21/2022	20:25	20:35	0.17	10,201.00	10,212.00	11.00	Slide	0.00											20.00		275.00		66.00	2,000.00	1,600.00	400.00		220.00	210.00	200.00			
06/21/2022	21:25	21:40	0.25	10,212.00	10,228.00	16.00	Slide	0.00											20.00		275.00		64.00	2,000.00	1,600.00	400.00		220.00	210.00	200.00			
06/21/2022	21:40	21:55	0.25	10,228.00	10,251.00	23.00	Rotate		10,245.00	77.14	6.44	10,049.05	-191.14	111.99	-191.94	11.08	0.00	0.00	20.00	20.00	275.00	7.00	92.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/21/2022	22:00	22:30	0.50	10,251.00	10,287.00	36.00	Slide	-10.00											20.00	20.00	275.00	7.00	72.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/21/2022	22:30	22:40	0.17	10,287.00	10,298.00	11.00	Rotate												20.00	20.00	275.00	7.00	66.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/21/2022	23:00	23:40	0.67	10,298.00	10,338.00	40.00	Slide	-10.00											20.00	20.00	275.00	7.00	60.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/21/2022	23:40	23:50	0.17	10,338.00	10,347.00	9.00	Rotate		10,339.00	88.75	3.37	10,060.58	-98.36	119.92	-99.22	12.77	0.00	0.00	20.00	20.00	275.00	7.00	54.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/21/2022	23:55	24:00	0.08	10,347.00	10,350.00	3.00	Rotate												20.00	20.00	275.00	7.00	36.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/22/2022	00:00	00:30	0.50	10,350.00	10,394.00	44.00	Rotate												20.00	20.00	275.00	7.00	88.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/22/2022	00:40	01:10	0.50	10,394.00	10,409.00	15.00	Slide	-90.00											20.00	20.00	275.00	7.00	30.00	2,250.00	1,600.00	650.00		220.00	210.00	200.00			
06/22/2022	01:10	02:00	0.83	10,409.00	10,486.00	77.00	Rotate		10,433.00	87.78	0.38	10,063.43	-4.47	122.99	-5.35	3.34	0.00	0.00	20.00	20.00	275.00	7.00	92.40	2,250.00	1,600.00	650.00		220.00	210.00	200.00			

Slide Report

Operator:	Advance Energy Partners	BHA Description:	BHA 7	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	6,082.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	751.00 (12.35%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	53.00 / 40.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotate:	5331.00 (87.65%)

Survey Data																			Drilling Parameters										Weights					Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT	SO				
06/22/2022	15:10	17:05	1.92	10,486.00	10,632.00	146.00	Rotate		10,550.00	89.71	359.85	10,066.32	112.49	123.41	111.60	2.09	0.00	0.00	25.00	60.00	330.00	9.50	76.17	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	17:05	17:25	0.33	10,632.00	10,644.00	12.00	Slide	30.00	10,644.00	92.70	0.38	10,064.34	206.46	123.60	205.57	3.23	0.00	0.00	25.00	60.00	330.00	9.50	36.00	2,300.00	2,100.00	200.00		230.00	200.00	180.00				
06/22/2022	17:25	19:00	1.58	10,644.00	10,831.00	187.00	Rotate		10,739.00	94.02	0.29	10,058.78	301.29	124.15	300.39	1.39	0.00	0.00	25.00	60.00	330.00	9.50	118.11	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	19:00	19:25	0.42	10,831.00	10,851.00	20.00	Slide	160.00	10,834.00	95.87	0.29	10,050.59	395.93	124.63	395.03	1.95	0.00	0.00	25.00	60.00	330.00	9.50	48.00	2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/22/2022	19:25	19:55	0.50	10,851.00	10,912.00	61.00	Rotate												25.00	60.00	330.00	9.50	122.00	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	19:55	20:25	0.50	10,912.00	10,937.00	25.00	Slide	180.00	10,928.00	94.15	1.52	10,042.38	489.55	126.11	488.64	2.25	0.00	0.00	25.00	60.00	330.00	9.50	50.00	2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/22/2022	20:25	20:40	0.25	10,937.00	10,975.00	38.00	Rotate												25.00	60.00	330.00	9.50	152.00	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	20:40	21:05	0.42	10,975.00	10,995.00	20.00	Slide	180.00											25.00	60.00	330.00	9.50	48.00	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	21:05	21:15	0.17	10,995.00	11,010.00	15.00	Rotate												25.00	60.00	330.00	9.50	90.00	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	21:15	21:35	0.33	11,010.00	11,030.00	20.00	Slide	180.00	11,022.00	91.34	3.54	10,037.88	583.34	130.26	582.39	3.68	0.00	0.00	25.00	60.00	330.00	9.50	60.00	2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/22/2022	21:35	22:00	0.42	11,030.00	11,090.00	60.00	Rotate												25.00	60.00	330.00	9.50	108.00	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	22:00	22:20	0.33	11,090.00	11,090.00		Rotate												25.00	60.00	330.00	9.50		2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	22:20	22:25	0.08	11,090.00	11,103.00	13.00	Rotate												25.00	60.00	330.00	12.50	156.00	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	22:25	22:50	0.42	11,103.00	11,123.00	20.00	Slide	-140.00	11,117.00	90.68	4.42	10,036.20	678.10	136.85	677.10	1.16	0.00	0.00	25.00	60.00	330.00	9.50	48.00	2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/22/2022	22:50	23:25	0.58	11,123.00	11,190.00	67.00	Rotate												25.00	60.00	330.00	13.00	114.86	2,600.00	2,100.00	500.00		230.00	200.00	180.00				
06/22/2022	23:25	24:00	0.58	11,190.00	11,215.00	25.00	Slide	-140.00	11,211.00	89.14	1.78	10,036.35	771.95	141.93	770.91	3.25	0.00	0.00	25.00	60.00	330.00	9.50	42.86	2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/23/2022	00:00	00:25	0.40	11,215.00	11,278.00	63.00	Rotate												25.00	60.00	330.00	13.00	151.20	2,650.00	2,100.00	550.00		230.00	200.00	180.00				
06/23/2022	00:25	01:15	0.83	11,278.00	11,388.00	110.00	Rotate		11,306.00	89.23	2.13	10,037.70	866.88	145.17	865.82	0.38	0.00	0.00	30.00	70.00	350.00	13.00	132.00	2,950.00	2,200.00	750.00		230.00	200.00	180.00				
06/23/2022	01:15	01:50	0.58	11,388.00	11,388.00		Rotate												25.00	60.00	330.00	13.00		2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/23/2022	01:50	03:00	1.17	11,388.00	11,568.00	180.00	Rotate		11,400.00	89.63	0.82	10,038.64	960.84	147.59	959.76	1.46	0.00	0.00	30.00	70.00	330.00	12.00	154.29	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	03:00	03:30	0.50	11,568.00	11,587.00	19.00	Slide	-120.00											15.00	70.00	330.00	12.00	38.00	2,500.00	2,100.00	400.00		230.00	200.00	180.00				
06/23/2022	03:30	04:00	0.50	11,587.00	11,665.00	78.00	Rotate		11,589.00	90.51	0.73	10,037.77	1,149.82	150.07	1,148.72	0.05	0.00	0.00	30.00	70.00	330.00	12.00	156.00	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	04:00	04:35	0.58	11,665.00	11,689.00	24.00	Slide	-120.00	11,684.00	89.89	359.50	10,037.43	1,244.82	150.27	1,243.71	1.45	0.00	0.00	15.00	70.00	330.00	12.00	41.14	2,500.00	2,100.00	400.00		230.00	200.00	180.00				
06/23/2022	04:35	05:40	1.08	11,689.00	11,848.00	159.00	Rotate		11,778.00	91.16	0.29	10,036.57	1,338.81	150.09	1,337.70	1.59	0.00	0.00	30.00	70.00	330.00	12.00	146.77	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	05:40	06:15	0.58	11,848.00	11,878.00	30.00	Slide	-120.00	11,873.00	90.46	358.36	10,035.23	1,433.79	148.97	1,432.69	2.16	0.00	0.00	15.00	70.00	330.00	12.00	51.43	2,450.00	2,100.00	350.00		230.00	200.00	180.00				
06/23/2022	06:15	06:40	0.42	11,878.00	11,956.00	78.00	Rotate												30.00	70.00	330.00	12.00	187.20	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	06:45	07:30	0.75	11,956.00	11,979.00	23.00	Slide	-170.00	11,967.00	89.54	358.18	10,035.23	1,527.75	146.14	1,526.66	1.00	0.00	0.00	30.00	70.00	330.00	12.00	30.67	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	07:30	07:50	0.33	11,979.00	12,036.00	57.00	Rotate												30.00	70.00	330.00	12.00	171.00	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	07:55	08:30	0.58	12,036.00	12,129.00	93.00	Rotate		12,062.00	90.64	359.59	10,035.08	1,622.73	144.29	1,621.65	1.88	0.00	0.00	30.00	70.00	330.00	12.00	159.43	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	08:35	08:40	0.08	12,129.00	12,143.00	14.00	Rotate												30.00	70.00	330.00	12.00	168.00	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	08:40	09:20	0.67	12,143.00	12,171.00	28.00	Slide	-170.00	12,156.00	90.37	359.67	10,034.25	1,716.72	143.68	1,715.65	0.30	0.00	0.00	30.00	70.00	330.00	12.00	42.00	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	09:20	09:40	0.33	12,171.00	12,223.00	52.00	Rotate												30.00	70.00	330.00	12.00	156.00	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	09:45	10:05	0.33	12,223.00	12,284.00	61.00	Rotate		12,250.00	90.55	359.85	10,033.50	1,810.72	143.29	1,809.64	0.27	0.00	0.00	30.00	70.00	330.00	12.00	183.00	2,900.00	2,100.00	800.00		230.00	200.00	180.00				
06/23/2022	10:05	10:45	0.67	12,284.00	12,314.00	30.00	Slide	-170.00											30.00	70.00	330.00	12.00	45.00	2,900.00	2,100.00	800.00		230.00						

06/24/2022	18:45	18:55	0.17	14,588.00	14,588.00		Rotate												30.00	70.00	330.00	12.00			2,400.00	2,100.00	300.00		250.00	200.00	165.00	
06/24/2022	18:55	19:45	0.83	14,588.00	14,613.00	25.00	Slide	180.00	14,612.00	88.40	1.17	10,035.49	4,171.70	102.09	4,170.86	2.94	8.82	-0.31	45.00	70.00	330.00	12.00	30.00	2,400.00	2,100.00	300.00		250.00	200.00	165.00		
06/24/2022	19:45	21:00	1.25	14,613.00	14,683.00	70.00	Rotate												30.00	70.00	330.00	12.00	56.00	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/24/2022	21:00	21:25	0.42	14,683.00	14,698.00	15.00	Slide	180.00											30.00	70.00	330.00	12.00	36.00	2,400.00	2,100.00	300.00		250.00	200.00	165.00		
06/24/2022	21:25	23:45	2.33	14,698.00	14,876.00	178.00	Rotate		14,706.00	88.00	0.90	10,038.44	4,265.64	103.79	4,264.79	0.51	7.50	1.87	30.00	70.00	330.00	12.00	76.29	2,600.00	2,100.00	500.00		250.00	190.00	140.00		
06/24/2022	23:45	24:00	0.25	14,876.00	14,879.00	3.00	Slide	180.00											30.00	70.00	330.00	12.00	12.00	2,400.00	2,100.00	300.00		250.00	200.00	165.00		
06/25/2022	00:00	00:40	0.67	14,879.00	14,896.00	17.00	Slide	180.00	14,895.00	87.03	1.08	10,045.33	4,454.48	106.77	4,453.61	1.37	3.91	5.84	30.00	70.00	330.00	12.00	25.50	2,400.00	2,100.00	300.00		250.00	200.00	165.00		
06/25/2022	00:45	05:00	4.25	14,896.00	15,215.00	319.00	Rotate		14,990.00	87.52	0.90	10,049.85	4,549.36	108.41	4,548.47	0.55	1.05	7.97	30.00	70.00	330.00	12.00	75.06	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	05:00	12:05	7.08	15,215.00	15,631.00	416.00	Rotate		15,274.00	90.33	0.29	10,055.98	4,833.25	110.78	4,832.34	1.12	-4.30	10.09	30.00	70.00	330.00	12.00	58.73	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	12:30	13:40	1.17	15,631.00	15,660.00	29.00	Slide	150.00	15,652.00	90.51	359.15	10,051.26	5,211.18	106.10	5,210.29	0.89	-3.24	3.43	30.00	70.00	330.00	12.00	24.86	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	13:40	14:40	1.00	15,660.00	15,725.00	65.00	Rotate												30.00	70.00	330.00	12.00	65.00	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	14:55	16:00	1.08	15,725.00	15,752.00	27.00	Slide	180.00	15,747.00	89.49	359.67	10,051.26	5,306.17	105.13	5,305.28	1.21	-2.34	3.16	30.00	70.00	330.00	12.00	24.92	2,400.00	2,100.00	300.00		250.00	200.00	165.00		
06/25/2022	16:00	17:15	1.25	15,752.00	15,821.00	69.00	Rotate												30.00	70.00	330.00	12.00	55.20	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	17:15	18:15	1.00	15,821.00	15,846.00	25.00	Slide	180.00	15,841.00	88.70	0.03	10,052.74	5,400.16	104.88	5,399.27	0.92	-2.93	3.61	30.00	70.00	330.00	12.00	25.00	2,450.00	2,100.00	350.00		250.00	200.00	165.00		
06/25/2022	18:15	19:50	1.58	15,846.00	15,915.00	69.00	Rotate												30.00	70.00	330.00	12.00	43.58	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	19:50	20:35	0.75	15,915.00	15,930.00	15.00	Slide	-160.00											30.00	70.00	330.00	12.00	20.00	2,450.00	2,100.00	350.00		250.00	200.00	165.00		
06/25/2022	20:35	23:00	2.42	15,930.00	16,040.00	110.00	Rotate		15,936.00	88.53	359.67	10,055.04	5,495.13	104.63	5,494.24	0.42	-4.32	4.07	30.00	70.00	330.00	12.00	45.52	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/25/2022	23:00	24:00	1.00	16,040.00	16,093.00	53.00	Rotate												30.00	90.00	330.00	12.00	53.00	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/26/2022	00:00	00:20	0.33	16,093.00	16,107.00	14.00	Rotate												30.00	70.00	330.00	12.00	42.00	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/26/2022	00:20	01:25	1.08	16,107.00	16,127.00	20.00	Slide	180.00	16,125.00	88.62	358.71	10,058.59	5,684.07	101.59	5,683.20	0.74	-6.08	2.44	30.00	70.00	330.00	12.00	18.46	2,350.00	2,100.00	250.00		250.00	200.00	165.00		
06/26/2022	01:25	04:45	3.33	16,127.00	16,291.00	164.00	Rotate		16,220.00	89.10	358.36	10,060.48	5,779.02	99.16	5,778.16	0.63	-7.07	0.72	30.00	70.00	330.00	12.00	49.20	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/26/2022	04:45	05:00	0.25	16,291.00	16,291.00		Rotate												30.00	70.00	330.00	12.00		2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/26/2022	05:00	06:05	1.08	16,291.00	16,311.00	20.00	Slide	180.00											30.00	70.00	330.00	12.00	18.46	2,600.00	2,100.00	500.00		250.00	200.00	165.00		
06/26/2022	06:05	10:50	4.75	16,311.00	16,568.00	257.00	Rotate		16,314.00	88.09	358.18	10,062.79	5,872.95	96.33	5,872.11	1.09	-8.49	-1.42	30.00	70.00	330.00	12.00	54.11	2,600.00	2,100.00	500.00		250.00	200.00	165.00		

	Slide Report	
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Operator:	Advance Energy Partners	BHA Description:	BHA 8	RKB:	3,852.51	North Reference:	GRID	Total Drilled:	1,652.00
Site:	Dagger State	BHA / Bit Type:	Motor / PDC	Units:	Us Feet	Declination:	1.00	Slide:	131.00 (7.93%)
Well Name:	Dagger State Com 304H - Dagger State Com	Survey / Gamma Offset:	68.00 / 54.00	Grid Conv:	3,852.51	VS Azimuth:	359.59	Rotate:	1521.00 (92.07%)

									Survey Data										Drilling Parameters										Weights				Comments
Date	Start Time	End Time	Hrs	Start Depth	End Depth	CL	Operation	TTF	MD	INC	AZI	TVD	NS	EW	VS	DLS	UD	LR	WOB	RPM	FLOW	Tq	ROP	On Btm Press	Off Btm Press	Diff	Temp	PU	ROT	SO			
06/27/2022	09:00	09:20	0.33	16,568.00	16,585.00	17.00	Rotate												25.00	70.00	350.00	18.00	51.00	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	09:20	09:55	0.58	16,585.00	16,604.00	19.00	Slide	0.00	16,597.00	90.24	358.53	10,067.22	6,155.68	85.46	6,154.91	1.53	-10.23	-10.17	25.00	70.00	350.00	18.00	32.57	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	09:55	11:30	1.58	16,604.00	16,767.00	163.00	Rotate		16,692.00	90.64	359.06	10,066.49	6,250.66	83.46	6,249.90	0.70	-8.60	-11.46	25.00	70.00	350.00	18.00	102.95	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	11:30	12:20	0.83	16,767.00	16,792.00	25.00	Slide	0.00	16,786.00	90.86	359.32	10,065.26	6,344.64	82.13	6,343.89	0.36	-6.48	-12.09	25.00	70.00	350.00	18.00	30.00	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	12:20	13:00	0.67	16,792.00	16,864.00	72.00	Rotate												25.00	70.00	350.00	18.00	108.00	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	13:00	13:35	0.58	16,864.00	16,884.00	20.00	Slide	0.00	16,881.00	90.33	0.38	10,064.27	6,439.63	81.89	6,438.88	1.25	-4.59	-11.63	25.00	70.00	350.00	18.00	34.29	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	13:35	14:20	0.75	16,884.00	16,958.00	74.00	Rotate												25.00	70.00	350.00	20.00	98.67	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	14:20	14:55	0.58	16,958.00	16,978.00	20.00	Slide	0.00	16,976.00	89.93	0.82	10,064.06	6,534.63	82.88	6,533.87	0.63	-3.48	-9.93	30.00	70.00	350.00	20.00	34.29	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	14:55	15:35	0.67	16,978.00	17,053.00	75.00	Rotate												30.00	70.00	350.00	20.00	112.50	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	15:35	16:20	0.75	17,053.00	17,071.00	18.00	Slide	0.00	17,070.00	89.80	0.73	10,064.28	6,628.62	84.15	6,627.84	0.17	-2.80	-7.96	30.00	70.00	350.00	20.00	24.00	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	16:20	17:15	0.92	17,071.00	17,147.00	76.00	Rotate												30.00	70.00	350.00	20.00	82.91	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	17:15	18:00	0.75	17,147.00	17,176.00	29.00	Slide	0.00	17,164.00	88.84	0.64	10,065.39	6,722.60	85.28	6,721.82	1.03	-3.03	-6.13	30.00	70.00	350.00	20.00	38.67	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/27/2022	18:00	24:00	6.00	17,176.00	17,708.00	532.00	Rotate		17,258.00	88.75	0.64	10,067.37	6,816.58	86.33	6,815.78	0.10	-4.11	-4.38	30.00	70.00	350.00	20.00	88.67	3,000.00	2,400.00	600.00		230.00	200.00	175.00			
06/28/2022	00:00	08:45	8.75	17,708.00	18,220.00	512.00	Rotate		17,731.00	91.34	358.71	10,067.92	7,289.51	86.52	7,288.70	0.84	-0.17	-0.66	30.00	70.00	350.00	20.00	58.51	3,000.00	2,400.00	600.00		230.00	200.00	175.00			

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 a Copy To Appropriate District

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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-025-49940
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 319601
7. Lease Name or Unit Agreement Name DAGGER STATE COM
8. Well Number 304H
9. OGRID Number 372417
10. Pool name or Wildcat WC-025 G-07 S213330F;BONE SPRING

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator Advance Energy Partners Hat Mesa	
3. Address of Operator 11490 Westheimer Rd, Houston, TX 77077	
4. Well Location Unit Letter <u>F</u> : <u>2560</u> feet from the <u>NORTH</u> line and <u>1947</u> feet from the <u>WEST</u> line Section <u>30</u> Township <u>21S</u> Range <u>33E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3,820'	

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

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

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

8/6/22: Pressure test casing to 9800 psi for 30 minutes.

9/21-10/1/22: Perforate from 10,376' – 18,130' (2500). Frac with 20,012,500 lbs sand and 577,648 gal fluid.

10/25-26/22: Drill all plugs out and clean out to a PBTD of 18,140'.

10/28/22: Begin flowback operations.

1/15/23: Run 2-7/8" production tubing and install ESP. EOT @ 8,769'. ESP @ 8,931'

Spud Date: 5/26/2022

Rig Release Date: 7/1/2022

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. 30-025-49940										
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				
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER						6. Well Number: 304H				
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-07 S213330F;BONE SPRING				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	F	30	21S	33E		2560	N	1947	1950 W	LEA
BH:	C	19	21S	33E		56	N	2069	W	LEA
13. Date Spudded 5/26/2022	14. Date T.D. Reached 6/28/2022	15. Date Rig Released 7/1/2022		16. Date Completed (Ready to Produce) 10/28/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3,820'				
18. Total Measured Depth of Well 18,220'		19. Plug Back Measured Depth 18,140'		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run Gamma			
22. Producing Interval(s), of this completion - Top, Bottom, Name 10,376' – 18,130' 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#		1,544'		17.5"		1025		
10.75"		40.5#		3,740'		12.25"		655		
7.625"		29.7#		5,440'		9.785"		755		
5.5"		20#		18,200'		6.75"		875		
24. LINER RECORD										
SIZE	TOP	BOTTOM		SACKS CEMENT	SCREEN		25. TUBING RECORD			
							SIZE		DEPTH SET	PACKER SET
							2-7/8"		8,769'	
26. Perforation record (interval, size, and number) 10,376' – 18,130' – 2500 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						10,376' – 18,130'		20,012,500 lbs sand, 577,648 bbls water		
28. PRODUCTION										
Date First Production 10/29/22		Production Method (<i>Flowing, gas lift, pumping - Size and type pump</i>) Flowing				Well Status (<i>Prod. or Shut-in</i>) Prod				
Date of Test 1/4/23	Hours Tested 24	Choke Size 128	Prod'n For Test Period	Oil - Bbl 337	Gas - MCF 408	Water - Bbl. 1754	Gas - Oil Ratio 1212			
Flow Tubing Press. N/A	Casing Pressure 185	Calculated 24-Hour Rate	Oil - Bbl. 337	Gas - MCF 408	Water - Bbl. 1754	Oil Gravity - API - (<i>Corr.</i>) 43.8				
29. Disposition of Gas (<i>Sold, used for fuel, vented, etc.</i>) 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: 7/1/22										
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 <i>Eileen M Kosakowski</i>				Date: 2/9/2023		E-mail Address: ekosakowski@advanceenergypartners.com				
Printed Name: Eileen M Kosakowski				Title: Sr. Eng. Tech						

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

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg 7026'MD/7009'TVD	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 8577'MD/8553'TVD	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock 9099'MD/9074'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 10,079'MD/9980'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	

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

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

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

From	To	Thickness In Feet	Lithology

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 184574

ACKNOWLEDGMENTS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240	OGRID: 372417
	Action Number: 184574
	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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

CONDITIONS

Action 184574

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240	OGRID: 372417
	Action Number: 184574
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/3/2025