



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print Report

10/12/2021

Operator Name MARATHON OIL PERMIAN LLC SHL NENE Sec 6 26S 35E	Well Name CHARLIE MURPHY 6 WXY FC County LEA	Well Number 12H State NM	US Well Number 3002546486 Lease Number(s) NMNM13647, NMNM13647
Well Type CONVENTIONAL GAS WELL	Well Status Drilling Well	Agreement Name	Agreement Number(s)
Allottee/Tribe Name	Well Pad Name CHARLIE MURPHY 6 FC	Well Pad Number 299-10	ID 10400040482

Section 1 - General

Well Completion Report Id: 81170**Submission Date:** N/A until DB Work**BLM Office:** Hobbs Field Station**User:** ADRIAN COVARRUBIAS**Title:** regulatory Compliance**Federal/Indian:** FEDERAL**Lease Number:** NMNM13647**Lease Acres:****Agreement in place?:** NO**Federal or Indian Agreement:****Agreement Number:****Agreement Name:****Keep this Well Completion Report confidential?:** YES**APD Operator:** MARATHON OIL
PERMIAN LLC

Section 2 - Well Information

Field/Pool or Exploratory: Field/Pool**Pool Name:** WOLFCAMP**Field Name:** WC 025 G 09 S263504N**Well Type:** CONVENTIONAL GAS WELL**Spud Date:** 12-13-2019**Date Total Measured Depth Reached:** 03-17-2020**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

Section 3 - Geologic Formations

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
RUSTLER	ANHYDRITE, DOLOMITE		3272	1021	1021	OTHER	Brine

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Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral Resources
SALADO	ANHYDRITE, SALT		1812	1460	1460	OTHER	Brine
CASTILE	SALT		-226	3498	3528	OTHER	Brine
LAMAR	OTHER	Sand/Shales	-2048	5320	5378	OIL	
BELL CANYON	SANDSTONE, SHALE		-2076	5348	5406	OIL	
BRUSHY CANYON	OTHER	Sands/Carbonate	-4684	7956	8023	OIL	
BONE SPRING	OTHER	Sands/Carbonate	-5975	9247	9314	OIL	
WOLFCAMP	OTHER	Sands/Carbonate	-9157	12429	12557	NATURAL GAS, OIL	

Completion and Completed Intervals

Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM13647	NMNM13647	NEW		PGW	09-13-2021	09-19-2021	WOLFCA MP	12641	22334	Y	.36	1002	OPEN

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Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Total Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	450338		120 BBLs - 15% HCL 450,218 BBLs - Brackish Water Total Proppant - 24,397,850 lbs

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1			FLows FROM WELL		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	09/20/2021	24	429	395	3800	920	18/64			3349

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Well Location

Survey Type: RECTANGULAR

Survey Number: 3954

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/LoTract
SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0788815	-103.4019199	3272	FEDERAL	NMNM13647				271	FNL	1201	FEL	26S	35E	6	NENE
KOP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0793564	-103.40445	-8699	FEDERAL	NMNM13647				100	FNL	1984	FEL	26S	35E	6	NWNE
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0578469	-103.404393	-9342	FEDERAL	NMNM115000				2639	FSL	1980	FEL	26S	35E	7	SWNE
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0517348	-103.404339	-9448	FEDERAL	NMNM115000				416	FSL	1967	FEL	26S	35E	7	SWSE
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0517348	-103.404339	-9448	FEDERAL	NMNM115000				416	FSL	1967	FEL	26S	35E	7	SWSE

Casing, Liner and Tubing

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Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	1150	13.375	54.5	J-55		ST&C		
00	INTERMEDIATE	9.875	0	11865	7.875	29.7	P-110		BUTT		
00	PRODUCTION	6.75	0	22449	5.5	23	P-110		OTHER	TLW	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume (bbbls)
00	SURFACE		Class C	830	1.55	0	Class C	345	1.32	0	310.2
00	INTERMEDIATE		Class C	915	5.53	8500	Class C	230	1.38		957.7
00	PRODUCTION		Class C	0	0	0	CLASS C	970	1.37	11017	236.7

Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
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Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report Completed?	Wellbore Diagram
00	YES	NO	NO	YES	NO	YES

Operator Certification

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: MARATHON OIL PERMIAN LLC

Signed By: ADRIAN COVARRUBIAS

Title: regulatory Compliance Representative

Signed on: 09/23/2021

Street Address: 5555 SAN FELIPE ST.

City: HOUSTON

State: TX

Zip: 77056

Phone: (713)296-3368

Email address: acovarrubias@marathonoil.com

Field Representative

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Extension:

Email address:

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Attachments

WD_CharlieMurphy6WXYFederalCom012H1inMD_2020_03_19_16.15.33_20210915140825.pdf

20210813_R3954_004_CHARLIE_MURPHY_6_WA_FEDERAL_COM_12H_REV0_CERT_AS_DRILLED_20210915140919.pdf

WD_CharlieMurphy6WAFEDCOM12HSurveys_2020_03_19_16.07.12_20210915140949.pdf

Wellbore_Schematic___CHARLIE_MURPHY_6_WXY_FEDERAL_COM_012H___2021_09_16_20210916132147.pdf

Company: Marathon Oil Permian LLC
Well: Charlie Murphy 6 WXY Federal Com 012H
Field:
API: 30-025-46486
County: Lea
State: New Mexico
Country: USA
Rig: Precision 601
AFE: DD.18.02712.D1
Job: GT2010401-WT

Company: Marathon Oil Permian LLC
Well: Charlie Murphy 6 WXY Federal Com 012H
Field:
API: 30-025-46486
County: Lea
State: New Mexico
Country: USA
Rig: Precision 601

Well Location NAD 1927 New Mexico East
Latitude: 32.078755 Longitude: -103.401457
Y: 393621.97 X: 788635.29
Section: 6 Township: 26S Range: 35E

Permanent Datum: Mean Sea Level Kelly Bushing Elev: N/A
Log Measured From: Rotary Table Drill Floor Elev: 3297.0
Height of Reference: 25 Ground Level Elev: 3272

Depth Drilled: 13601.0 to: 22460.0
Depth Logged: 13500.0 to: 22460.4
Date Logged: 10 Mar 2020 13:17 to: 19 Mar 2020 16:12

Disclaimer: Altitude Energy Partners uses its best efforts to provide customers with accurate information and interpretations with services performed but does not warranty the accuracy of information or interpretations.

Hole Data			Casing Data		
Size	From (MD)	To (MD)	Size	From (MD)	To (MD)
6.75	13601	22460	13.375	0	1140
			7.625	0	12973

Remarks

Run Data

Run Name	MWD Run 1	Survey Import.csv	LAS Charlie Murphy 6 WA Fed Com 12H_Gamma.l as	MWD Run 2				
Start Date	10 Mar 2020			14 Mar 2020				
Start Time	13:30			06:00				
End Date	14 Mar 2020			19 Mar 2020				
End Time	02:30			00:30				
Depth In	13601			16355				
Depth Out	16355			22460				
Log Top	13470			16209				
Log Bottom	0			22430				
Hole Size	6.75			6.75				

Tool Data

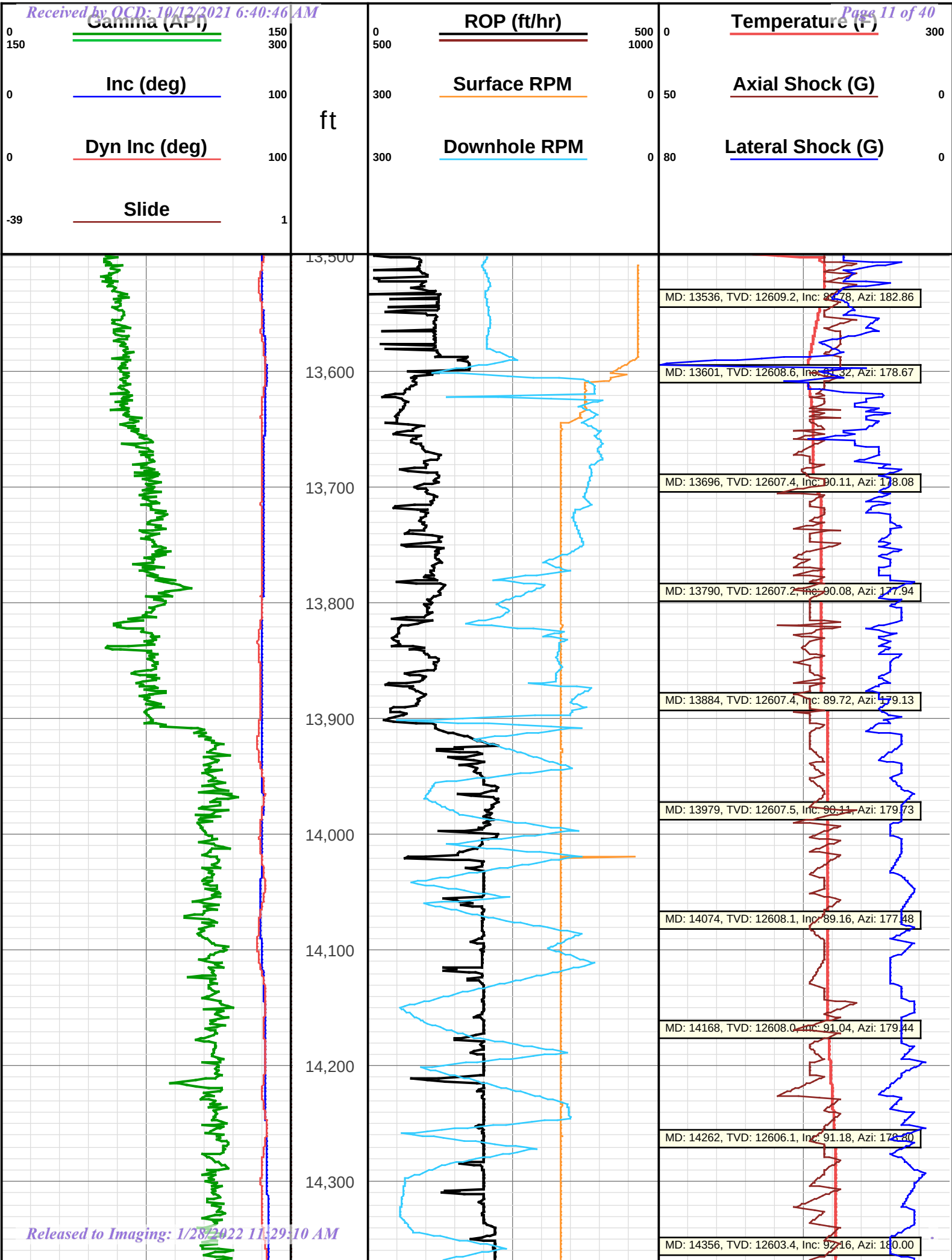
Run Name	MWD Run 1	Survey Import.csv	LAS Charlie Murphy 6 WA Fed Com 12H_Gamma.l as	MWD Run 2				
Directional Sensor SN	NDM20147			20092				
Directional Offset	41.09			40.21				
Gamma Sensor SN	0815			6063HD				
Gamma Offset	30.81			29.93				
Gamma Corr. Factor	2.95	1.0		4.03				

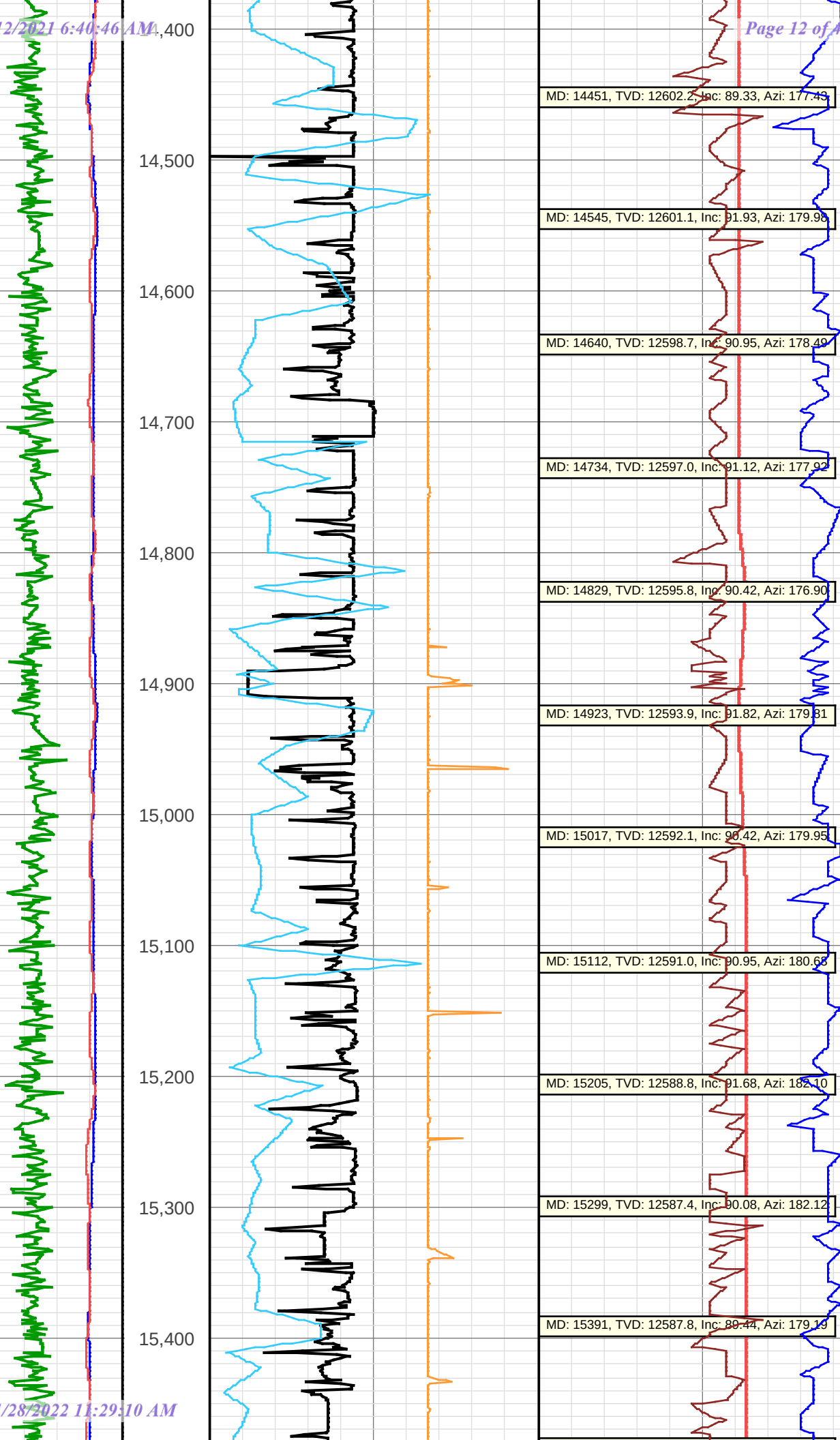
Mud Data

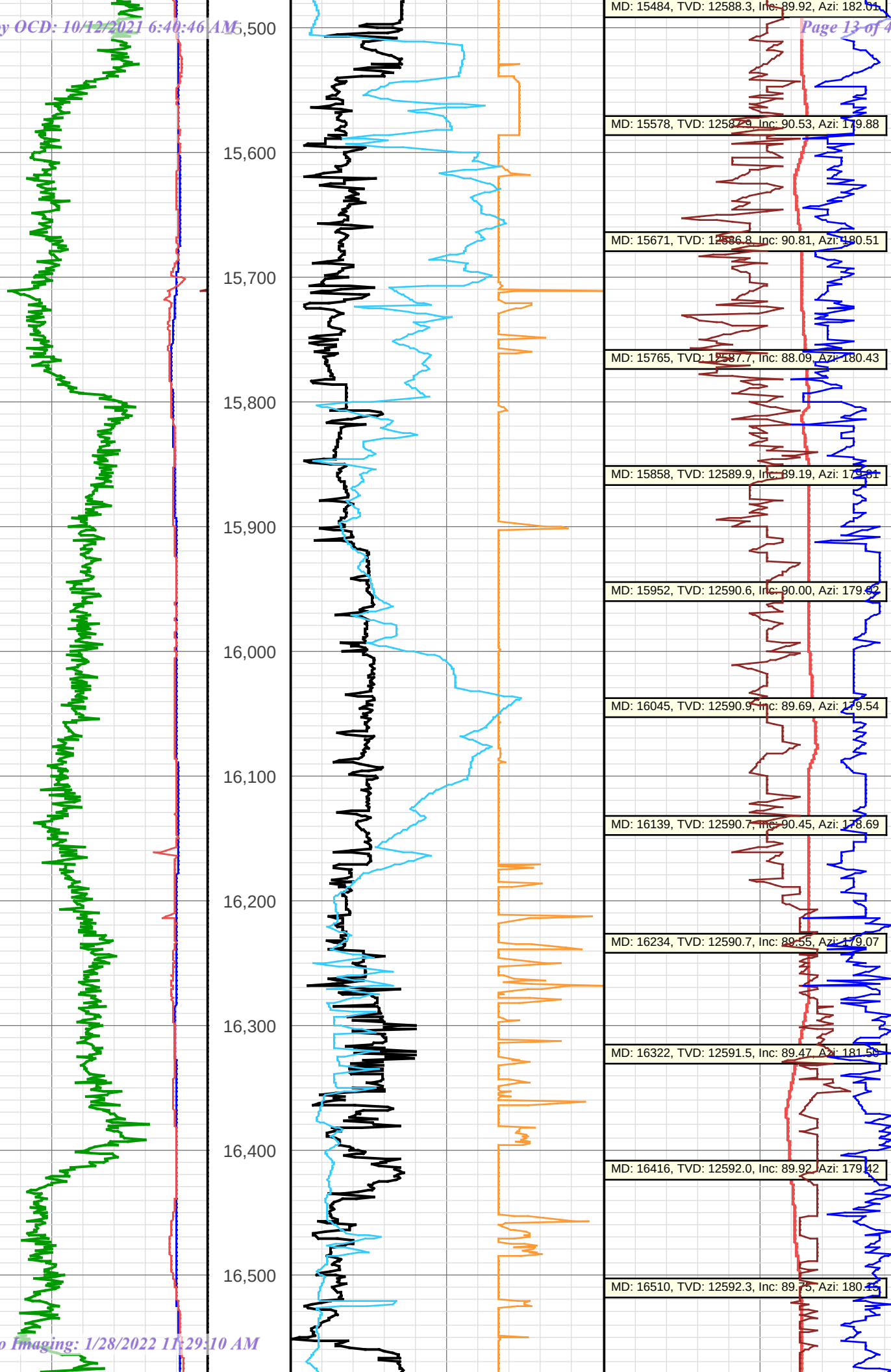
Run Name	MWD Run 1	Survey Import.csv	LAS Charlie Murphy 6 WA Fed Com 12H_Gamma.l as	MWD Run 2				
Mud Type	OBM			Oil Based				
Mud Density (lb/gal)	12.75			13.1				
Funnel Visc. (s/qt)	58			64				
Plastic Visc. (cP)	22			28				
pH	NA			NA				
Chlor. Whole Mud (mg/L)	55000			50000				
API Filtrate (cm3/30)	NA			4.8				
Max MWD Temp (F)	204.3		171.2	218.9				

Personnel

Run Name	MWD Run 1	Survey Import.csv	LAS Charlie Murphy 6 WA Fed Com 12H_Gamma.l as	MWD Run 2				
MWD Operator 1	Kenton Oliver			Kenton Oliver				
MWD Operator 2	Michael Manley			Michael Manley				
MWD Operator 3								







6,600

16,700

16,800

16,900

17,000

17,100

17,200

17,300

17,400

17,500

17,600

MD: 16604, TVD: 12591.2, Inc: 91.53, Azi: 179.66

MD: 16698, TVD: 12589.0, Inc: 91.15, Azi: 177.35

MD: 16792, TVD: 12586.9, Inc: 91.43, Azi: 179.09

MD: 16886, TVD: 12585.0, Inc: 90.84, Azi: 178.73

MD: 16980, TVD: 12583.5, Inc: 91.01, Azi: 178.80

MD: 17075, TVD: 12582.4, Inc: 90.84, Azi: 179.58

MD: 17168, TVD: 12582.1, Inc: 89.97, Azi: 179.89

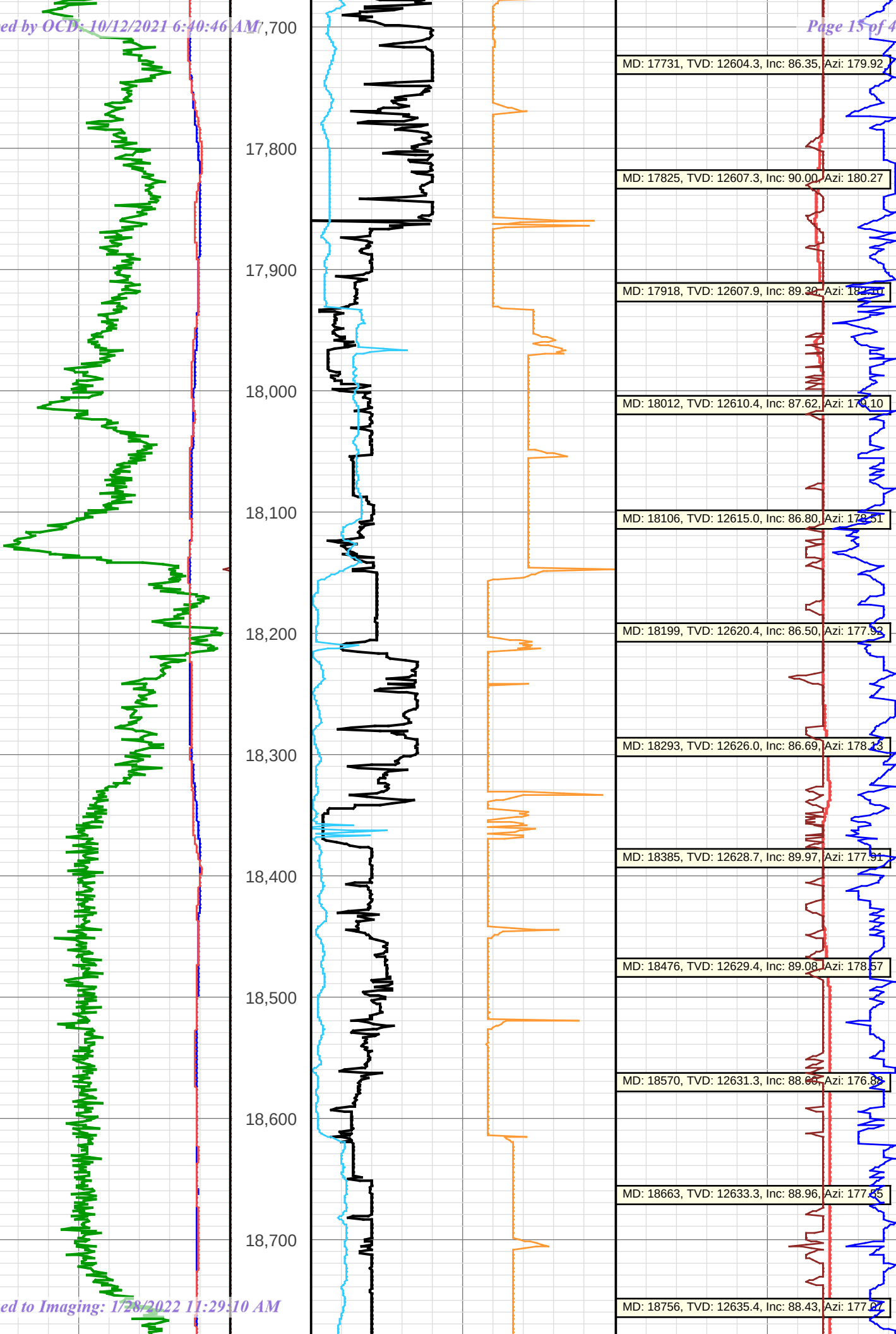
MD: 17263, TVD: 12582.8, Inc: 89.22, Azi: 179.18

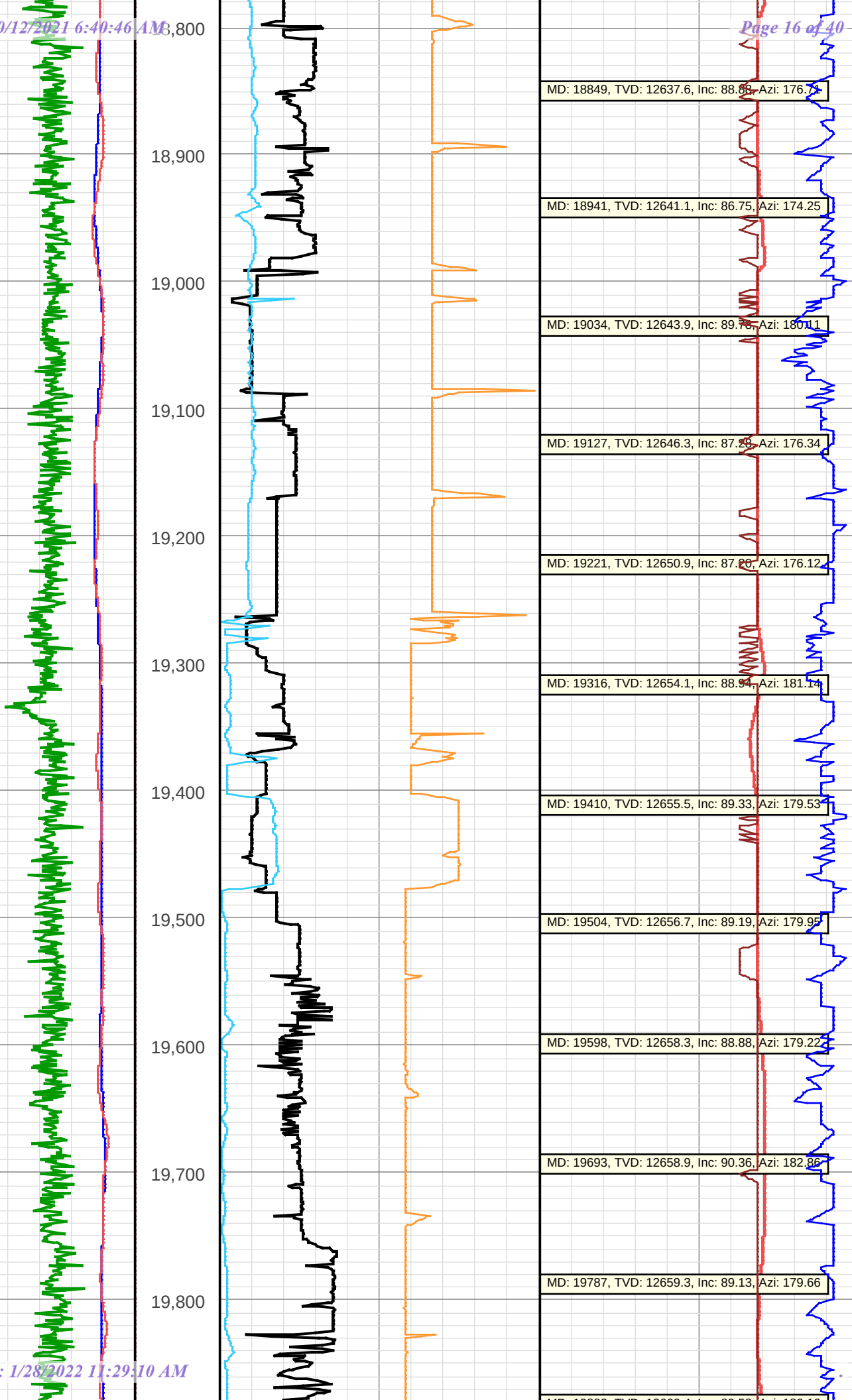
MD: 17357, TVD: 12584.9, Inc: 88.18, Azi: 180.42

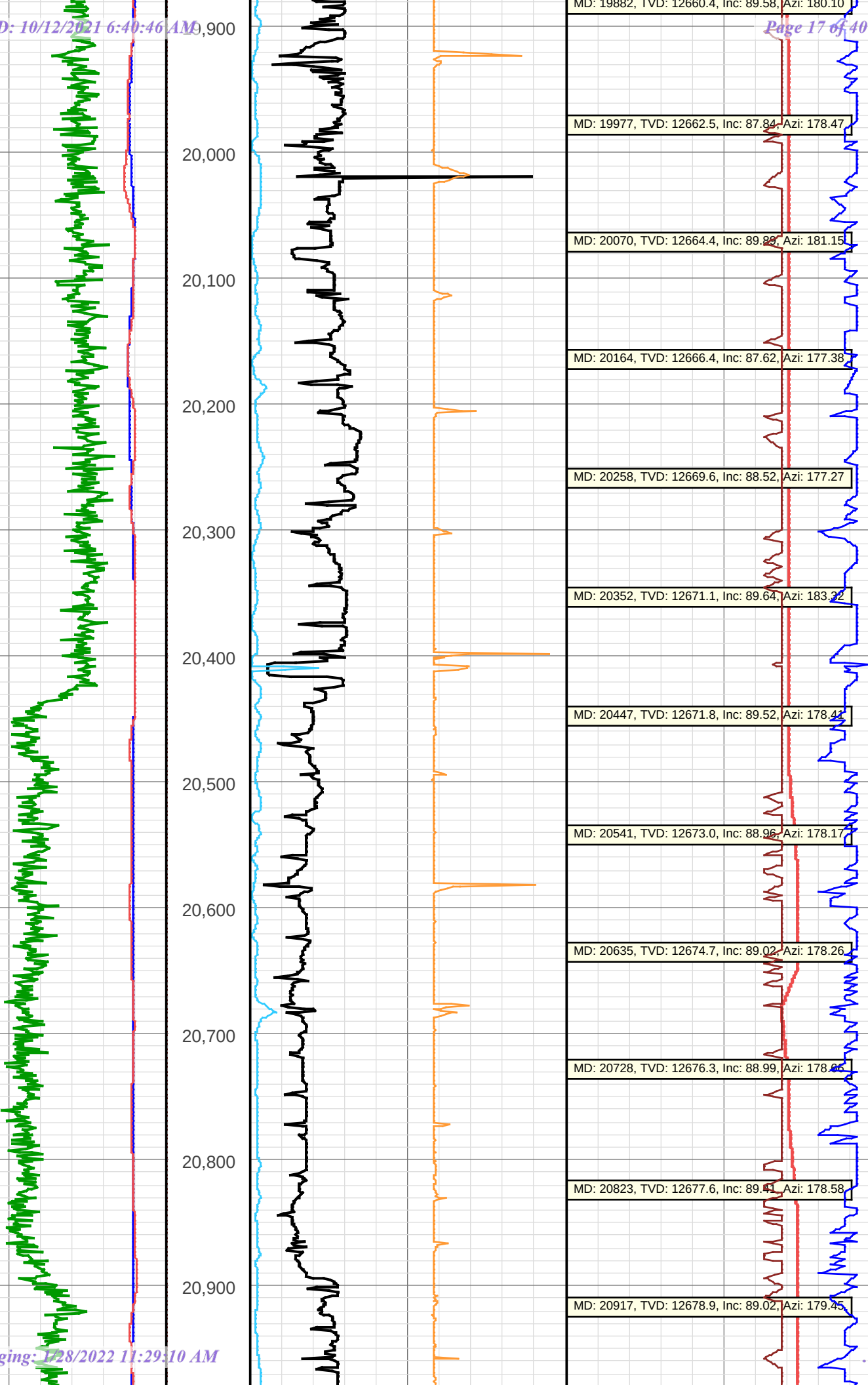
MD: 17452, TVD: 12588.4, Inc: 87.67, Azi: 180.34

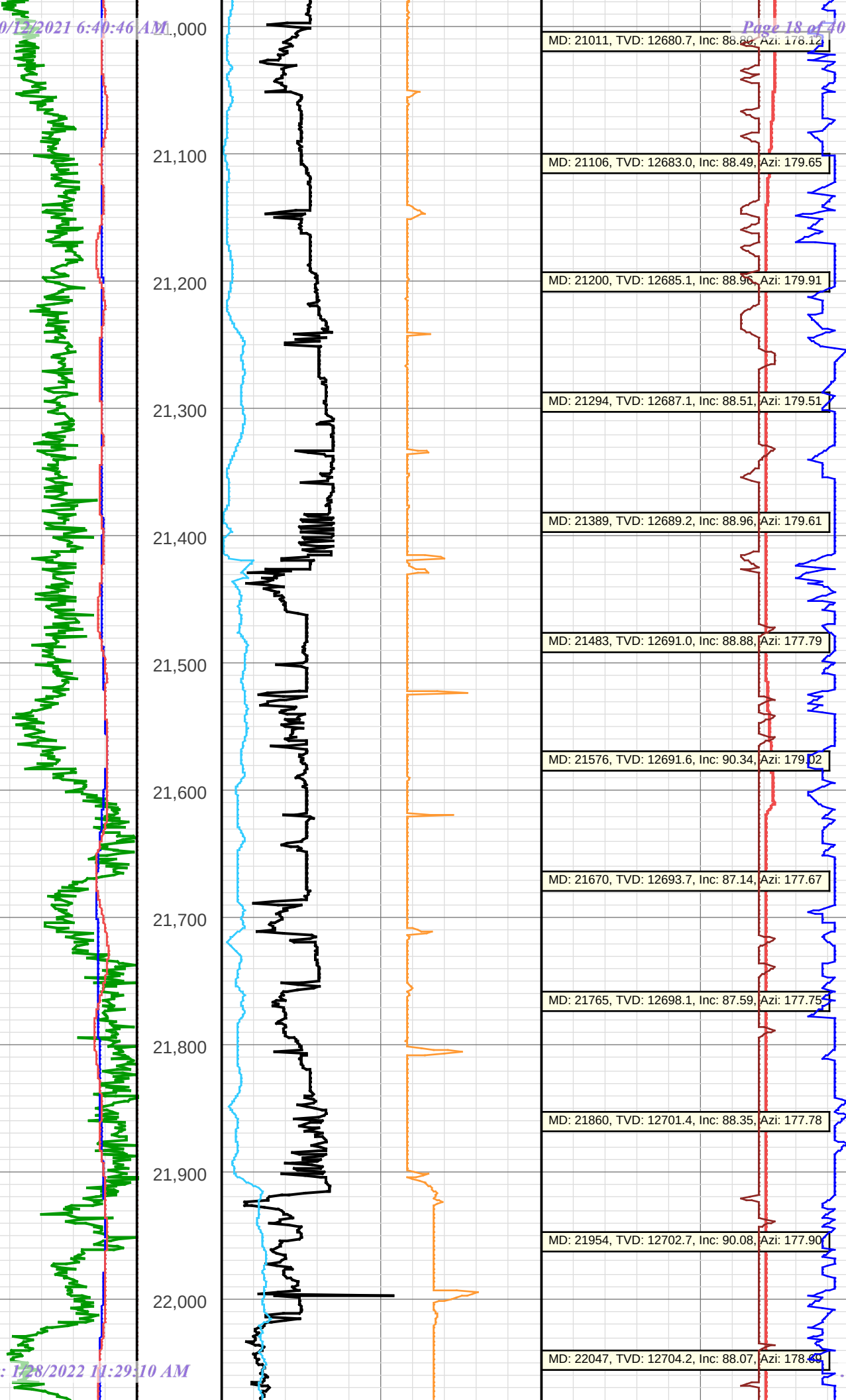
MD: 17542, TVD: 12593.1, Inc: 86.25, Azi: 179.15

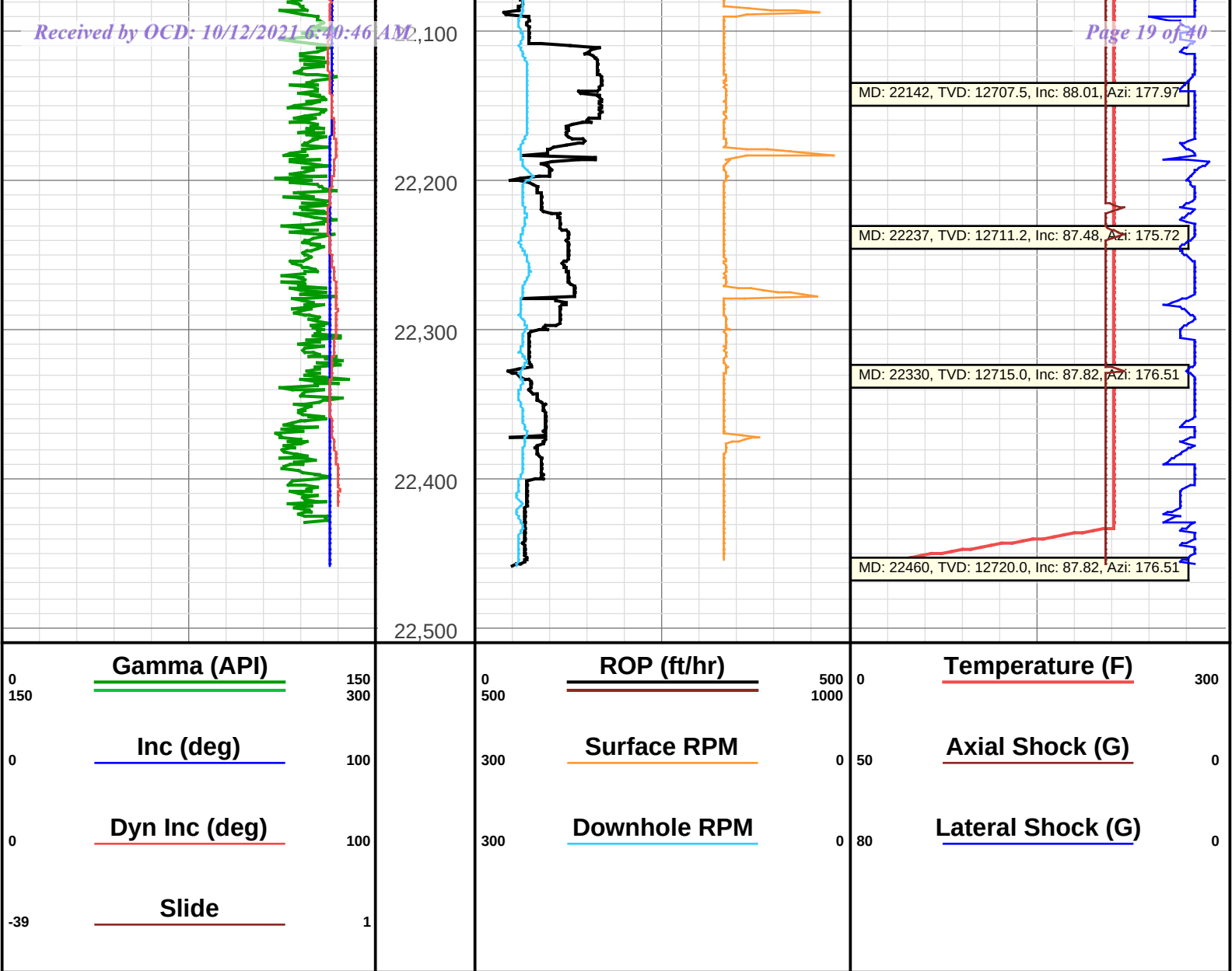
MD: 17636, TVD: 12598.7, Inc: 86.92, Azi: 179.51











Survey Data

Survey	MD	Inc	Azimuth	TVD	VS	NS	EW	DLS	Temp	Source
Tie In	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	
1	156.00	0.62	206.05	156.00	0.78	-0.76	-0.37	0.40	0.00	Survey Import.csv
2	240.00	0.62	186.10	239.99	1.66	-1.62	-0.62	0.26	0.00	Survey Import.csv
3	312.00	0.92	184.08	311.99	2.62	-2.58	-0.70	0.42	0.00	Survey Import.csv
4	402.00	1.32	174.50	401.97	4.37	-4.33	-0.65	0.49	0.00	Survey Import.csv
5	447.00	1.19	171.44	446.96	5.34	-5.31	-0.53	0.32	0.00	Survey Import.csv
6	536.00	0.80	166.50	535.94	6.83	-6.83	-0.25	0.45	0.00	Survey Import.csv
7	625.00	1.20	170.02	624.93	8.33	-8.35	0.06	0.45	0.00	Survey Import.csv
8	713.00	1.36	175.60	712.91	10.26	-10.30	0.30	0.23	0.00	Survey Import.csv
9	758.00	1.45	157.62	757.89	11.30	-11.36	0.55	1.00	0.00	Survey Import.csv
10	844.00	1.36	149.07	843.87	13.12	-13.24	1.49	0.26	0.00	Survey Import.csv
11	890.00	1.14	131.52	889.86	13.84	-14.01	2.11	0.95	0.00	Survey Import.csv
12	934.00	1.27	127.74	933.85	14.38	-14.60	2.83	0.35	0.00	Survey Import.csv
13	1025.00	1.40	111.00	1024.82	15.28	-15.62	4.66	0.45	0.00	Survey Import.csv
14	1114.00	1.24	73.96	1113.80	15.27	-15.74	6.60	0.96	0.00	Survey Import.csv
15	1223.00	1.63	90.58	1222.77	14.79	-15.43	9.29	0.52	0.00	Survey Import.csv
16	1313.00	1.02	53.64	1312.75	14.20	-14.97	11.21	1.13	0.00	Survey Import.csv
17	1402.00	1.30	355.13	1401.73	12.69	-13.49	11.77	1.30	0.00	Survey Import.csv
18	1492.00	2.62	323.38	1491.68	10.11	-10.83	10.45	1.85	0.00	Survey Import.csv
19	1581.00	3.99	318.98	1580.53	6.37	-6.86	7.21	1.56	0.00	Survey Import.csv
20	1671.00	5.47	314.71	1670.22	1.33	-1.48	2.10	1.69	0.00	Survey Import.csv
21	1760.00	5.86	304.68	1758.79	-3.78	4.09	-4.65	1.19	0.00	Survey Import.csv
22	1850.00	6.24	288.35	1848.29	-7.37	8.25	-13.07	1.95	0.00	Survey Import.csv

23	1939.00	7.01	280.60	1936.70	-9.23	10.77	-23.00	1.32	0.00	Survey Import.csv
24	2029.00	7.54	280.01	2025.97	-10.52	12.81	-34.21	0.59	0.00	Survey Import.csv
25	2118.00	7.98	280.68	2114.16	-11.90	14.97	-46.03	0.50	0.00	Survey Import.csv
26	2208.00	7.97	279.96	2203.29	-13.32	17.20	-58.32	0.11	0.00	Survey Import.csv
27	2297.00	8.32	279.95	2291.39	-14.68	19.38	-70.74	0.39	0.00	Survey Import.csv
28	2387.00	8.22	281.51	2380.45	-16.24	21.79	-83.46	0.27	0.00	Survey Import.csv
29	2476.00	8.57	282.25	2468.50	-18.08	24.47	-96.17	0.41	0.00	Survey Import.csv
30	2656.00	8.52	285.52	2646.50	-22.76	30.88	-122.13	0.27	0.00	Survey Import.csv
31	2745.00	8.63	287.04	2734.51	-25.64	34.60	-134.86	0.28	0.00	Survey Import.csv
32	2835.00	8.51	287.48	2823.50	-28.76	38.58	-147.67	0.15	0.00	Survey Import.csv
33	2924.00	7.75	285.07	2911.61	-31.50	42.12	-159.75	0.94	0.00	Survey Import.csv
34	3014.00	7.33	283.38	3000.83	-33.64	45.03	-171.19	0.53	0.00	Survey Import.csv
35	3104.00	6.74	278.57	3090.15	-35.04	47.14	-182.00	0.93	0.00	Survey Import.csv
36	3283.00	5.84	271.51	3268.08	-35.56	48.95	-201.49	0.66	0.00	Survey Import.csv
37	3372.00	5.57	273.41	3356.64	-35.35	49.32	-210.33	0.37	0.00	Survey Import.csv
38	3462.00	4.60	275.14	3446.28	-35.41	49.91	-218.28	1.09	0.00	Survey Import.csv
39	3552.00	4.98	278.26	3535.97	-35.80	50.79	-225.74	0.51	0.00	Survey Import.csv
40	3641.00	5.75	282.08	3624.58	-36.74	52.28	-233.93	0.95	0.00	Survey Import.csv
41	3820.00	5.88	284.36	3802.65	-39.72	56.43	-251.58	0.15	0.00	Survey Import.csv
42	3910.00	6.15	285.41	3892.16	-41.54	58.85	-260.69	0.32	0.00	Survey Import.csv
43	3999.00	6.53	284.68	3980.61	-43.46	61.40	-270.18	0.44	0.00	Survey Import.csv
44	4088.00	6.85	283.09	4069.01	-45.27	63.89	-280.25	0.42	0.00	Survey Import.csv
45	4178.00	7.02	282.71	4158.35	-47.00	66.31	-290.84	0.20	0.00	Survey Import.csv
46	4267.00	6.10	280.94	4246.77	-48.43	68.41	-300.79	1.06	0.00	Survey Import.csv

47	4357.00	5.61	280.26	4336.30	-49.52	70.10	-309.81	0.55	0.00	Survey Import.csv
48	4446.00	5.82	283.78	4424.85	-50.80	71.95	-318.47	0.46	0.00	Survey Import.csv
49	4536.00	5.50	286.63	4514.42	-52.55	74.27	-327.04	0.47	0.00	Survey Import.csv
50	4625.00	4.27	288.52	4603.09	-54.34	76.54	-334.27	1.39	0.00	Survey Import.csv
51	4715.00	4.70	289.11	4692.82	-56.17	78.81	-340.93	0.48	0.00	Survey Import.csv
52	4805.00	6.24	289.73	4782.40	-58.49	81.67	-349.02	1.71	0.00	Survey Import.csv
53	4894.00	6.22	290.02	4870.88	-61.16	84.96	-358.10	0.04	0.00	Survey Import.csv
54	4983.00	5.75	285.12	4959.39	-63.39	87.77	-366.93	0.78	0.00	Survey Import.csv
55	5073.00	5.25	283.05	5048.98	-64.94	89.88	-375.30	0.60	0.00	Survey Import.csv
56	5163.00	5.84	281.35	5138.56	-66.21	91.71	-383.80	0.68	0.00	Survey Import.csv
57	5252.00	6.52	280.27	5227.04	-67.37	93.50	-393.21	0.78	0.00	Survey Import.csv
58	5342.00	6.68	282.48	5316.44	-68.74	95.54	-403.35	0.33	0.00	Survey Import.csv
59	5431.00	6.84	281.43	5404.82	-70.23	97.71	-413.60	0.23	0.00	Survey Import.csv
60	5520.00	7.33	274.63	5493.15	-71.02	99.22	-424.45	1.09	0.00	Survey Import.csv
61	5610.00	7.62	274.55	5582.38	-71.19	100.16	-436.12	0.32	0.00	Survey Import.csv
62	5700.00	7.85	273.17	5671.56	-71.20	100.97	-448.21	0.33	0.00	Survey Import.csv
63	5789.00	7.99	273.10	5759.71	-71.06	101.64	-460.45	0.16	0.00	Survey Import.csv
64	5878.00	7.85	271.43	5847.86	-70.74	102.13	-472.71	0.30	0.00	Survey Import.csv
65	5968.00	6.34	266.02	5937.17	-69.82	101.93	-483.81	1.83	0.00	Survey Import.csv
66	6057.00	6.55	264.09	6025.61	-68.30	101.07	-493.76	0.34	0.00	Survey Import.csv
67	6146.00	6.34	267.39	6114.05	-66.90	100.32	-503.72	0.48	0.00	Survey Import.csv
68	6236.00	5.85	267.71	6203.54	-65.86	99.91	-513.26	0.55	0.00	Survey Import.csv
69	6323.00	4.73	276.34	6290.17	-65.55	100.13	-521.26	1.58	0.00	Survey Import.csv
70	6415.00	4.83	275.90	6381.85	-65.86	100.95	-528.88	0.12	0.00	Survey Import.csv

71	6505.00	4.65	276.36	6471.54	-66.17	101.74	-536.28	0.20	0.00	Survey Import.csv
72	6594.00	4.61	274.07	6560.25	-66.35	102.40	-543.43	0.21	0.00	Survey Import.csv
73	6684.00	4.89	273.35	6649.94	-66.34	102.88	-550.87	0.32	0.00	Survey Import.csv
74	6773.00	4.69	274.82	6738.63	-66.38	103.41	-558.28	0.26	0.00	Survey Import.csv
75	6863.00	4.94	276.01	6828.31	-66.59	104.12	-565.80	0.30	0.00	Survey Import.csv
76	6952.00	5.45	277.03	6916.95	-66.98	105.04	-573.81	0.58	0.00	Survey Import.csv
77	7042.00	5.60	276.85	7006.53	-67.46	106.09	-582.41	0.17	0.00	Survey Import.csv
78	7132.00	5.73	276.25	7096.09	-67.89	107.10	-591.23	0.16	0.00	Survey Import.csv
79	7310.00	5.31	288.44	7273.27	-70.36	110.67	-607.88	0.70	0.00	Survey Import.csv
80	7400.00	5.31	288.32	7362.88	-72.46	113.30	-615.78	0.01	0.00	Survey Import.csv
81	7490.00	5.41	287.23	7452.49	-74.49	115.86	-623.79	0.16	0.00	Survey Import.csv
82	7579.00	5.25	286.08	7541.11	-76.33	118.23	-631.71	0.22	0.00	Survey Import.csv
83	7669.00	5.40	286.46	7630.72	-78.14	120.57	-639.73	0.17	0.00	Survey Import.csv
84	7758.00	5.18	284.25	7719.34	-79.79	122.75	-647.64	0.34	0.00	Survey Import.csv
85	7848.00	5.55	282.52	7808.94	-81.19	124.69	-655.82	0.45	0.00	Survey Import.csv
86	7937.00	5.27	279.52	7897.55	-82.25	126.30	-664.06	0.45	0.00	Survey Import.csv
87	8027.00	4.99	278.50	7987.19	-82.98	127.56	-672.00	0.33	0.00	Survey Import.csv
88	8116.00	5.30	280.13	8075.83	-83.76	128.86	-679.88	0.39	0.00	Survey Import.csv
89	8206.00	5.02	283.17	8165.46	-84.86	130.49	-687.81	0.43	0.00	Survey Import.csv
90	8295.00	4.69	285.82	8254.14	-86.25	132.37	-695.10	0.45	0.00	Survey Import.csv
91	8385.00	5.41	287.10	8343.79	-88.00	134.62	-702.69	0.81	0.00	Survey Import.csv
92	8475.00	5.90	290.54	8433.36	-90.31	137.49	-711.08	0.66	0.00	Survey Import.csv
93	8564.00	5.79	291.76	8521.89	-93.02	140.76	-719.53	0.19	0.00	Survey Import.csv
94	8654.00	5.26	290.01	8611.47	-95.57	143.85	-727.62	0.62	0.00	Survey Import.csv

95	8743.00	4.88	287.94	8700.13	-97.64	146.41	-735.06	0.47	0.00	Survey Import.csv
96	8833.00	5.22	289.64	8789.78	-99.69	148.97	-742.56	0.41	0.00	Survey Import.csv
97	8922.00	4.94	291.72	8878.43	-101.98	151.75	-749.93	0.38	0.00	Survey Import.csv
98	9012.00	5.12	289.84	8968.08	-104.28	154.54	-757.31	0.27	0.00	Survey Import.csv
99	9101.00	4.41	287.33	9056.77	-106.18	156.91	-764.31	0.83	0.00	Survey Import.csv
100	9191.00	3.60	286.51	9146.55	-107.62	158.75	-770.32	0.90	0.00	Survey Import.csv
101	9370.00	2.40	283.97	9325.30	-109.52	161.25	-779.35	0.67	0.00	Survey Import.csv
102	9460.00	2.21	273.43	9415.23	-109.84	161.81	-782.91	0.52	0.00	Survey Import.csv
103	9549.00	2.10	266.91	9504.17	-109.64	161.82	-786.25	0.30	0.00	Survey Import.csv
104	9639.00	1.74	262.98	9594.12	-109.18	161.57	-789.25	0.43	0.00	Survey Import.csv
105	9728.00	2.06	258.94	9683.07	-108.52	161.09	-792.16	0.39	0.00	Survey Import.csv
106	9818.00	2.01	246.92	9773.01	-107.39	160.16	-795.20	0.48	0.00	Survey Import.csv
107	9907.00	1.48	210.47	9861.97	-105.66	158.56	-797.22	1.35	0.00	Survey Import.csv
108	9996.00	1.17	50.17	9950.96	-105.26	158.15	-797.11	2.93	0.00	Survey Import.csv
109	10086.00	1.42	61.55	10040.94	-106.49	159.27	-795.42	0.40	0.00	Survey Import.csv
110	10175.00	1.38	70.49	10129.92	-107.50	160.16	-793.44	0.25	0.00	Survey Import.csv
111	10265.00	0.69	72.12	10219.90	-108.13	160.68	-791.90	0.77	0.00	Survey Import.csv
112	10355.00	0.27	98.59	10309.90	-108.31	160.82	-791.18	0.52	0.00	Survey Import.csv
113	10444.00	0.65	118.79	10398.89	-108.08	160.54	-790.53	0.46	0.00	Survey Import.csv
114	10623.00	0.26	161.31	10577.89	-107.27	159.67	-789.51	0.27	0.00	Survey Import.csv
115	10713.00	0.00	337.10	10667.89	-107.09	159.48	-789.44	0.29	0.00	Survey Import.csv
116	10802.00	0.26	260.10	10756.89	-107.04	159.44	-789.64	0.29	0.00	Survey Import.csv
117	10892.00	0.20	341.36	10846.89	-107.14	159.56	-789.89	0.34	0.00	Survey Import.csv
118	11071.00	0.19	312.90	11025.89	-107.61	160.05	-790.21	0.05	0.00	Survey Import.csv

119	11161.00	0.37	38.10	11115.89	-107.95	160.38	-790.14	0.45	0.00	Survey Import.csv
120	11250.00	0.60	26.63	11204.88	-108.61	161.03	-789.75	0.28	0.00	Survey Import.csv
121	11340.00	0.90	40.89	11294.87	-109.61	161.98	-789.08	0.39	0.00	Survey Import.csv
122	11429.00	0.75	21.12	11383.87	-110.72	163.05	-788.41	0.36	0.00	Survey Import.csv
123	11519.00	0.77	24.75	11473.86	-111.85	164.15	-787.95	0.06	0.00	Survey Import.csv
124	11608.00	0.69	46.14	11562.85	-112.80	165.07	-787.31	0.32	0.00	Survey Import.csv
125	11698.00	0.48	56.81	11652.85	-113.43	165.65	-786.60	0.26	0.00	Survey Import.csv
126	11787.00	0.41	36.17	11741.84	-113.93	166.11	-786.11	0.20	0.00	Survey Import.csv
127	11820.00	0.31	74.17	11774.84	-114.05	166.23	-785.95	0.77	0.00	Survey Import.csv
128	11883.00	0.36	54.73	11837.84	-114.24	166.39	-785.62	0.20	0.00	Survey Import.csv
129	11977.00	0.22	27.53	11931.84	-114.59	166.72	-785.30	0.20	0.00	Survey Import.csv
130	12072.00	2.23	173.25	12026.82	-112.94	165.05	-785.00	2.54	0.00	Survey Import.csv
131	12166.00	9.17	167.59	12120.30	-103.94	155.91	-783.17	7.40	0.00	Survey Import.csv
132	12261.00	15.49	170.76	12213.06	-84.29	135.97	-779.50	6.69	0.00	Survey Import.csv
133	12357.00	26.19	173.38	12302.65	-50.86	102.18	-774.99	11.19	0.00	Survey Import.csv
134	12451.00	40.05	179.87	12381.21	-0.02	51.06	-772.52	15.20	0.00	Survey Import.csv
135	12545.00	50.70	180.07	12447.15	66.64	-15.74	-772.49	11.33	0.00	Survey Import.csv
136	12638.00	58.41	183.02	12501.05	142.27	-91.41	-774.63	8.68	0.00	Survey Import.csv
137	12733.00	65.63	186.09	12545.60	226.09	-174.96	-781.36	8.12	0.00	Survey Import.csv
138	12827.00	69.09	186.32	12581.78	312.76	-261.20	-790.74	3.69	0.00	Survey Import.csv
139	12922.00	80.70	178.83	12606.52	404.22	-352.60	-794.68	14.39	0.00	Survey Import.csv
140	13015.00	91.14	178.78	12613.13	496.51	-445.21	-792.75	11.23	0.00	Survey Import.csv
141	13108.00	91.89	181.11	12610.67	589.26	-538.17	-792.66	2.63	0.00	Survey Import.csv
142	13158.00	90.28	179.02	12609.72	639.14	-588.16	-792.72	5.28	0.00	Survey Import.csv

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143	13253.00	89.69	187.39	12609.75	734.05	-682.93	-798.02	8.83	0.00	Survey Import.csv
144	13347.00	90.12	185.05	12609.90	827.96	-776.37	-808.21	2.53	0.00	Survey Import.csv
145	13442.00	90.49	182.84	12609.40	922.95	-871.13	-814.74	2.36	0.00	Survey Import.csv
146	13536.00	89.78	182.86	12609.18	1016.94	-965.02	-819.42	0.76	0.00	Survey Import.csv
147	13601.00	91.32	178.67	12608.55	1081.83	-1029.99	-820.29	6.87	153.29	MWD Run 1
148	13696.00	90.11	178.08	12607.37	1176.40	-1124.94	-817.59	1.42	160.57	MWD Run 1
149	13790.00	90.08	177.94	12607.21	1269.92	-1218.89	-814.33	0.15	167.86	MWD Run 1
150	13884.00	89.72	179.13	12607.38	1363.53	-1312.85	-811.92	1.32	167.86	MWD Run 1
151	13979.00	90.11	179.73	12607.52	1458.25	-1407.85	-810.98	0.75	175.14	MWD Run 1
152	14074.00	89.16	177.48	12608.12	1552.85	-1502.81	-808.67	2.57	175.14	MWD Run 1
153	14168.00	91.04	179.44	12607.96	1646.44	-1596.77	-806.14	2.89	175.14	MWD Run 1
154	14262.00	91.18	178.80	12606.14	1740.11	-1690.74	-804.70	0.70	182.43	MWD Run 1
155	14356.00	92.16	180.00	12603.40	1833.79	-1784.69	-803.71	1.65	182.43	MWD Run 1
156	14451.00	89.33	177.43	12602.16	1928.40	-1879.64	-801.58	4.02	182.43	MWD Run 1
157	14545.00	91.93	179.98	12601.13	2022.01	-1973.60	-799.46	3.87	182.43	MWD Run 1
158	14640.00	90.95	178.49	12598.74	2116.68	-2068.55	-798.19	1.88	182.43	MWD Run 1
159	14734.00	91.12	177.92	12597.04	2210.22	-2162.49	-795.25	0.63	182.43	MWD Run 1
160	14829.00	90.42	176.90	12595.77	2304.62	-2257.39	-790.95	1.30	189.71	MWD Run 1
161	14923.00	91.82	179.81	12593.93	2398.17	-2351.32	-788.26	3.43	182.43	MWD Run 1
162	15017.00	90.42	179.95	12592.09	2491.93	-2445.30	-788.06	1.50	189.71	MWD Run 1
163	15112.00	90.95	180.63	12590.96	2586.75	-2540.29	-788.54	0.91	189.71	MWD Run 1
164	15205.00	91.68	182.10	12588.82	2679.63	-2633.23	-790.75	1.76	189.71	MWD Run 1
165	15299.00	90.08	182.12	12587.38	2773.58	-2727.15	-794.21	1.70	189.71	MWD Run 1
166	15391.00	89.44	179.19	12587.76	2865.43	-2819.14	-795.27	3.26	189.71	MWD Run 1
167	15484.00	89.92	182.01	12588.28	2958.28	-2912.12	-796.24	3.08	189.71	MWD Run 1
168	15578.00	90.53	179.88	12587.91	3052.16	-3006.10	-797.79	2.36	182.43	MWD Run 1
169	15671.00	90.81	180.51	12586.83	3144.97	-3099.09	-798.11	0.74	189.71	MWD Run 1
170	15765.00	88.09	180.43	12587.73	3238.80	-3193.08	-798.88	2.89	189.71	MWD Run 1
171	15858.00	89.19	179.81	12589.93	3331.58	-3286.05	-799.07	1.36	197.00	MWD Run 1
172	15952.00	90.00	179.02	12590.60	3425.30	-3380.04	-798.11	1.20	197.00	MWD Run 1
173	16045.00	89.69	179.54	12590.85	3518.02	-3473.03	-796.94	0.65	197.00	MWD Run 1
174	16139.00	90.45	178.69	12590.74	3611.70	-3567.02	-795.49	1.21	197.00	MWD Run 1
175	16234.00	89.55	179.07	12590.74	3706.35	-3662.00	-793.63	1.03	197.00	MWD Run 1
176	16322.00	89.47	181.50	12591.49	3794.18	-3749.99	-794.07	2.76	175.14	MWD Run 2
177	16416.00	89.92	179.42	12591.99	3888.02	-3843.98	-794.83	2.26	182.43	MWD Run 2
178	16510.00	89.75	180.15	12592.26	3981.79	-3937.98	-794.47	0.80	182.43	MWD Run 2
Released to Imaging: 1/28/2022 5:29:10 AM				12591.20	4075.56	-4031.97	-794.27	1.99	189.71	MWD Run 2

180	16931.00	91.26	179.73	12589.00	4169.12	-4125.90	-791.77	2.43	197.00	MWD Run 2
181	16792.00	91.43	179.09	12586.88	4262.65	-4219.83	-788.85	1.87	197.00	MWD Run 2
182	16886.00	90.84	178.73	12585.02	4356.30	-4313.79	-787.06	0.74	197.00	MWD Run 2
183	16980.00	91.01	178.80	12583.50	4449.92	-4407.76	-785.04	0.20	197.00	MWD Run 2
184	17075.00	90.34	179.58	12582.38	4544.61	-4502.74	-783.69	1.08	197.00	MWD Run 2
185	17168.00	89.97	178.89	12582.13	4637.32	-4595.73	-782.45	0.84	197.00	MWD Run 2
186	17263.00	89.22	179.18	12582.80	4731.99	-4690.72	-780.85	0.85	197.00	MWD Run 2
187	17357.00	88.18	180.42	12584.93	4825.74	-4784.69	-780.52	1.72	204.29	MWD Run 2
188	17452.00	87.67	180.34	12588.37	4920.51	-4879.62	-781.15	0.54	204.29	MWD Run 2
189	17542.00	86.25	179.15	12593.15	5010.15	-4969.49	-780.75	2.06	204.29	MWD Run 2
190	17636.00	86.92	179.51	12598.74	5103.70	-5063.32	-779.66	0.81	204.29	MWD Run 2
191	17731.00	86.35	179.92	12604.32	5198.30	-5158.15	-779.18	0.74	204.29	MWD Run 2
192	17825.00	90.00	180.27	12607.31	5292.04	-5252.09	-779.34	3.90	197.00	MWD Run 2
193	17918.00	89.30	182.10	12607.88	5384.94	-5345.06	-781.26	2.11	197.00	MWD Run 2
194	18012.00	87.62	179.10	12610.41	5478.75	-5439.01	-782.25	3.66	204.29	MWD Run 2
195	18106.00	86.80	178.51	12614.98	5572.28	-5532.88	-780.29	1.07	204.29	MWD Run 2
196	18199.00	86.50	177.92	12620.42	5664.68	-5625.67	-777.40	0.71	204.29	MWD Run 2
197	18293.00	86.69	178.13	12626.00	5758.04	-5719.45	-774.16	0.30	211.57	MWD Run 2
198	18385.00	89.97	177.91	12628.68	5849.53	-5811.34	-770.99	3.57	204.29	MWD Run 2
199	18476.00	89.08	178.57	12629.44	5940.10	-5902.30	-768.19	1.22	211.57	MWD Run 2
200	18570.00	88.60	176.88	12631.34	6033.55	-5996.20	-764.46	1.87	211.57	MWD Run 2
201	18663.00	88.96	177.55	12633.32	6125.92	-6089.07	-759.95	0.82	211.57	MWD Run 2
202	18756.00	88.43	177.07	12635.44	6218.30	-6181.94	-755.58	0.77	204.29	MWD Run 2
203	18849.00	88.88	176.71	12637.62	6310.61	-6274.78	-750.54	0.62	204.29	MWD Run 2
204	18941.00	86.75	174.25	12641.13	6401.56	-6366.41	-743.29	3.54	204.29	MWD Run 2
205	19034.00	89.78	180.11	12643.95	6493.86	-6459.21	-738.73	7.09	204.29	MWD Run 2
206	19127.00	87.28	176.34	12646.33	6586.36	-6552.11	-735.85	4.86	204.29	MWD Run 2
207	19221.00	87.20	176.12	12650.86	6679.44	-6645.79	-729.68	0.25	204.29	MWD Run 2
208	19316.00	88.94	181.14	12654.06	6773.97	-6740.68	-727.41	5.59	197.00	MWD Run 2
209	19410.00	89.33	179.53	12655.48	6867.79	-6834.66	-727.96	1.76	204.29	MWD Run 2
210	19504.00	89.19	179.95	12656.69	6961.54	-6928.65	-727.53	0.47	204.29	MWD Run 2
211	19598.00	88.88	179.22	12658.28	7055.28	-7022.64	-726.85	0.84	211.57	MWD Run 2
212	19693.00	90.36	182.86	12658.91	7150.15	-7117.60	-728.58	4.14	211.57	MWD Run 2
213	19787.00	89.13	179.66	12659.33	7244.04	-7211.56	-730.64	3.65	204.29	MWD Run 2
214	19882.00	89.58	180.10	12660.40	7338.82	-7306.56	-730.44	0.66	211.57	MWD Run 2
215	19977.00	87.84	178.47	12662.53	7433.49	-7401.52	-729.26	2.51	211.57	MWD Run 2
216	20070.00	89.89	181.15	12664.38	7526.24	-7494.49	-728.95	3.63	211.57	MWD Run 2
217	20164.00	87.62	177.38	12666.42	7619.90	-7588.43	-727.75	4.68	211.57	MWD Run 2
218	20258.00	88.52	177.27	12669.59	7713.25	-7682.28	-723.36	0.96	211.57	MWD Run 2

220	20447.00	89.52	178.41	12671.79	7901.87	-7871.18	-725.28	5.17	211.57	MWD Run 2
221	20541.00	88.96	178.17	12673.04	7995.43	-7965.13	-722.48	0.65	218.86	MWD Run 2
222	20635.00	89.02	178.26	12674.70	8088.97	-8059.07	-719.55	0.12	204.29	MWD Run 2
223	20728.00	88.99	178.66	12676.31	8181.55	-8152.02	-717.05	0.43	211.57	MWD Run 2
224	20823.00	89.41	178.58	12677.64	8276.16	-8246.98	-714.76	0.45	218.86	MWD Run 2
225	20917.00	89.02	179.45	12678.93	8369.83	-8340.96	-713.15	1.01	218.86	MWD Run 2
226	21011.00	88.80	178.12	12680.71	8463.45	-8434.92	-711.15	1.43	218.86	MWD Run 2
227	21106.00	88.49	179.65	12682.96	8558.07	-8529.87	-709.31	1.64	211.57	MWD Run 2
228	21200.00	88.96	179.91	12685.05	8651.82	-8623.84	-708.95	0.57	211.57	MWD Run 2
229	21294.00	88.51	179.51	12687.13	8745.56	-8717.82	-708.47	0.64	211.57	MWD Run 2
230	21389.00	88.96	179.61	12689.23	8840.28	-8812.79	-707.74	0.49	211.57	MWD Run 2
231	21483.00	88.88	177.79	12691.00	8933.89	-8906.75	-705.61	1.94	211.57	MWD Run 2
232	21576.00	90.34	179.02	12691.63	9026.47	-8999.71	-703.02	2.05	211.57	MWD Run 2
233	21670.00	87.14	177.67	12693.70	9120.02	-9093.63	-700.31	3.69	211.57	MWD Run 2
234	21765.00	87.59	177.75	12698.06	9214.38	-9188.45	-696.51	0.48	211.57	MWD Run 2
235	21860.00	88.35	177.78	12701.43	9308.80	-9283.32	-692.81	0.80	211.57	MWD Run 2
236	21954.00	90.08	177.90	12702.72	9402.28	-9377.24	-689.27	1.84	211.57	MWD Run 2
237	22047.00	88.07	178.69	12704.22	9494.84	-9470.18	-686.50	2.32	211.57	MWD Run 2
238	22142.00	88.01	177.97	12707.47	9589.35	-9565.09	-683.73	0.76	211.57	MWD Run 2
239	22237.00	87.48	175.72	12711.21	9683.58	-9659.86	-678.51	2.43	211.57	MWD Run 2
240	22330.00	87.82	176.51	12715.02	9775.67	-9752.57	-672.21	0.92	211.57	MWD Run 2
241	22460.00	87.82	176.51	12719.96	9904.53	-9882.23	-664.31	0.00	0.00	MWD Run 2

1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
 Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION AS-DRILLED PLAT

¹ API Number 30-025-46486	² Pool Code 98117	³ Pool Name WC-025 G-09 S263504N; WOLFCAMP
⁴ Property Code 326320	Property Name CHARLIE MURPHY 6 WA FEDERAL COM	⁶ Well Number 12H
⁷ OGRID No. 372098	⁸ Operator Name MARATHON OIL PERMIAN LLC	⁹ Elevation 3272'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	6	26S	35E		271	NORTH	1201	EAST	LEA
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	7	26S	35E		416	SOUTH	1967	EAST	LEA
¹² Dedicated Acres 640.0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	CORNER COORDINATES NAD 83, SPCS NM EAST A - X: 831020.60' / Y: 393959.45' B - X: 831048.36' / Y: 391316.79' C - X: 831074.50' / Y: 388675.34' D - X: 831129.70' / Y: 383390.47' E - X: 828491.21' / Y: 383378.93' F - X: 828462.97' / Y: 386016.82' G - X: 828434.68' / Y: 388658.54' H - X: 828405.91' / Y: 391299.52' I - X: 828377.14' / Y: 393941.11'	CORNER COORDINATES NAD 27, SPCS NM EAST A - X: 789833.21' / Y: 393901.73' B - X: 789860.85' / Y: 391259.15' C - X: 789886.87' / Y: 388617.77' D - X: 789941.84' / Y: 383333.04' E - X: 787303.38' / Y: 383321.52' F - X: 787275.25' / Y: 385959.34' G - X: 787247.09' / Y: 388600.99' H - X: 787218.44' / Y: 391241.90' I - X: 787189.78' / Y: 393883.42'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: Date: 08/17/2021	
	SURFACE HOLE LOCATION 271' FNL 1201' FEL, SECTION 6 NAD 83, SPCS NM EAST X: 829822.68' / Y: 393679.66' LAT: 32.07888150N / LON: 103.40191987W NAD 27, SPCS NM EAST X: 788635.29' / Y: 393621.97' LAT: 32.07875540N / LON: 103.40145643W			Printed Name: Adrian Covarrubias E-mail Address:
	KICK OFF POINT 100' FNL 1976' FEL, SECTION 6 12017' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 829037.50' / Y: 393845.68' LAT: 32.07935643N / LON: 103.40445001W NAD 27, SPCS NM EAST X: 787850.14' / Y: 393787.99' LAT: 32.07923036N / LON: 103.40398645W			¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well surface location shown on this plat was plotted from field notes of the as-staked surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Data used for underground measurements were provided by others for reference only and does not constitute field measurements performed by R Squared Global. Date of Survey: AUGUST 13, 2021 Signature and Seal of Professional Surveyor:
	FIRST TAKE POINT 352' FNL 1976' FEL, SECTION 6 12631' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 829048.21' / Y: 393593.95' LAT: 32.07866427N / LON: 103.40442244W NAD 27, SPCS NM EAST X: 787860.83' / Y: 393536.26' LAT: 32.07853820N / LON: 103.40395893W			Certificate Number: DAVID W. MYERS 11403
LAST TAKE POINT 416' FSL 1967' FEL, SECTION 7 22460' MEASURED DEPTH IN FEET NAD 83, SPCS NM EAST X: 829158.37' / Y: 383797.43' LAT: 32.05173481N / LON: 103.40433908W NAD 27, SPCS NM EAST X: 787970.55' / Y: 383740.00' LAT: 32.05160859N / LON: 103.40387711W				

Distances/areas relative to NAD 83 Combined Scale Factor: 0.99985058 Convergence Angle: 00°29'34.804752"

Horizontal Spacing Unit

SD	Incl	AZI	TVD	Vert. Sec	N-S	E-W	Clos. Dist	Clos. Dir.	DLS	Temp
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156.00	0.62	206.05	156.00	0.78	-0.76	-0.37	0.84	206.05	0.40	0.0
240.00	0.62	186.10	239.99	1.66	-1.62	-0.62	1.73	200.92	0.26	0.0
312.00	0.92	184.08	311.99	2.62	-2.58	-0.70	2.68	195.19	0.42	0.0
402.00	1.32	174.50	401.97	4.37	-4.33	-0.65	4.38	188.57	0.49	0.0
447.00	1.19	171.44	446.96	5.34	-5.31	-0.53	5.34	185.74	0.32	0.0
536.00	0.80	166.50	535.94	6.83	-6.83	-0.25	6.84	182.11	0.45	0.0
625.00	1.20	170.02	624.93	8.33	-8.35	0.06	8.35	179.62	0.45	0.0
713.00	1.36	175.60	712.91	10.26	-10.30	0.30	10.31	178.36	0.23	0.0
758.00	1.45	157.62	757.89	11.30	-11.36	0.55	11.37	177.21	1.00	0.0
844.00	1.36	149.07	843.87	13.12	-13.24	1.49	13.33	173.57	0.26	0.0
890.00	1.14	131.52	889.86	13.84	-14.01	2.11	14.17	171.42	0.95	0.0
934.00	1.27	127.74	933.85	14.38	-14.60	2.83	14.87	169.04	0.35	0.0
1025.00	1.40	111.00	1024.82	15.28	-15.62	4.66	16.30	163.37	0.45	0.0
1114.00	1.24	73.96	1113.80	15.27	-15.74	6.60	17.07	157.24	0.96	0.0
1223.00	1.63	90.58	1222.77	14.79	-15.43	9.29	18.01	148.96	0.52	0.0
1313.00	1.02	53.64	1312.74	14.20	-14.97	11.21	18.70	143.16	1.13	0.0
1402.00	1.30	355.13	1401.73	12.69	-13.49	11.77	17.90	138.92	1.30	0.0
1492.00	2.62	323.38	1491.68	10.11	-10.83	10.45	15.05	136.01	1.85	0.0
1581.00	3.99	318.98	1580.53	6.37	-6.86	7.21	9.95	133.58	1.56	0.0
1671.00	5.47	314.71	1670.22	1.33	-1.48	2.10	2.57	125.08	1.69	0.0
1760.00	5.86	304.68	1758.79	-3.78	4.09	-4.65	6.19	311.36	1.19	0.00
1850.00	6.24	288.35	1848.29	-7.37	8.25	-13.07	15.46	302.25	1.95	0.00
1939.00	7.01	280.60	1936.70	-9.23	10.77	-23.00	25.40	295.09	1.32	0.00
2029.00	7.54	280.01	2025.97	-10.52	12.81	-34.21	36.53	290.52	0.59	0.00
2118.00	7.98	280.68	2114.16	-11.90	14.97	-46.03	48.41	288.01	0.50	0.00
2208.00	7.97	279.96	2203.29	-13.32	17.20	-58.32	60.80	286.44	0.11	0.00
2297.00	8.32	279.95	2291.39	-14.68	19.38	-70.74	73.35	285.32	0.39	0.00
2387.00	8.22	281.51	2380.45	-16.24	21.79	-83.46	86.25	284.63	0.27	0.00
2476.00	8.57	282.25	2468.50	-18.08	24.47	-96.17	99.24	284.27	0.41	0.00
2656.00	8.52	285.52	2646.50	-22.76	30.88	-122.13	125.97	284.19	0.27	0.00
2745.00	8.63	287.04	2734.51	-25.64	34.60	-134.86	139.23	284.39	0.28	0.00
2835.00	8.51	287.48	2823.50	-28.76	38.58	-147.67	152.63	284.64	0.15	0.00
2924.00	7.75	285.07	2911.61	-31.50	42.12	-159.75	165.21	284.77	0.94	0.00
3014.00	7.33	283.38	3000.83	-33.64	45.03	-171.19	177.01	284.74	0.53	0.00
3104.00	6.74	278.57	3090.15	-35.04	47.14	-182.00	188.01	284.52	0.93	0.00
3283.00	5.84	271.51	3268.08	-35.56	48.95	-201.49	207.35	283.65	0.66	0.00
3372.00	5.57	273.41	3356.64	-35.35	49.32	-210.33	216.03	283.20	0.37	0.00
3462.00	4.60	275.14	3446.28	-35.41	49.91	-218.28	223.92	282.88	1.09	0.00
3552.00	4.98	278.26	3535.97	-35.80	50.79	-225.74	231.39	282.68	0.51	0.00
3641.00	5.75	282.08	3624.58	-36.74	52.28	-233.93	239.70	282.60	0.95	0.00
3820.00	5.88	284.36	3802.65	-39.72	56.43	-251.58	257.83	282.64	0.15	0.00
3910.00	6.15	285.41	3892.16	-41.54	58.85	-260.69	267.25	282.72	0.32	0.00
3999.00	6.53	284.68	3980.61	-43.46	61.40	-270.18	277.07	282.80	0.44	0.00
4088.00	6.85	283.09	4069.01	-45.27	63.89	-280.25	287.44	282.84	0.42	0.00
4178.00	7.02	282.71	4158.35	-47.00	66.31	-290.84	298.30	282.84	0.20	0.00
4267.00	6.10	280.94	4246.77	-48.43	68.41	-300.79	308.47	282.81	1.06	0.00
4357.00	5.61	280.26	4336.30	-49.52	70.10	-309.81	317.64	282.75	0.55	0.00
4446.00	5.82	283.78	4424.85	-50.80	71.95	-318.47	326.50	282.73	0.46	0.00
4536.00	5.50	286.63	4514.42	-52.55	74.27	-327.04	335.37	282.79	0.47	0.00
4625.00	4.27	288.52	4603.09	-54.34	76.54	-334.27	342.92	282.90	1.39	0.00
4715.00	4.70	289.11	4692.81	-56.17	78.81	-340.93	349.92	283.02	0.48	0.00
4805.00	6.24	289.73	4782.40	-58.49	81.67	-349.02	358.45	283.17	1.71	0.00
4894.00	6.22	290.02	4870.88	-61.16	84.96	-358.10	368.04	283.35	0.04	0.00
4983.00	5.75	285.12	4959.39	-63.39	87.77	-366.93	377.29	283.45	0.78	0.00
5073.00	5.25	283.05	5048.98	-64.94	89.88	-375.30	385.91	283.47	0.60	0.00
5163.00	5.84	281.35	5138.56	-66.21	91.71	-383.80	394.60	283.44	0.68	0.00
5252.00	6.52	280.27	5227.04	-67.37	93.50	-393.21	404.17	283.38	0.78	0.00
5342.00	6.68	282.48	5316.44	-68.74	95.54	-403.35	414.51	283.33	0.33	0.00
5431.00	6.84	281.43	5404.82	-70.23	97.71	-413.60	424.98	283.29	0.23	0.00
5520.00	7.33	274.63	5493.14	-71.02	99.22	-424.45	435.89	283.16	1.09	0.00
5610.00	7.62	274.55	5582.38	-71.19	100.16	-436.12	447.48	282.93	0.32	0.00
5700.00	7.85	273.17	5671.56	-71.20	100.97	-448.21	459.44	282.70	0.33	0.00
5789.00	7.99	273.10	5759.71	-71.06	101.64	-460.45	471.54	282.45	0.16	0.00
5878.00	7.85	271.43	5847.86	-70.74	102.13	-472.71	483.61	282.19	0.30	0.00
5968.00	6.34	266.02	5937.17	-69.82	101.93	-483.81	494.43	281.90	1.83	0.00
6057.00	6.55	264.09	6025.61	-68.30	101.07	-493.76	504.00	281.57	0.34	0.00
6146.00	6.34	267.39	6114.05	-66.90	100.32	-503.72	513.61	281.26	0.48	0.00

6236.00	5.85	267.71	6203.54	-65.86	99.91	-513.26	522.90	281.02	0.55	0.00
6323.00	4.73	276.34	6290.17	-65.55	100.13	-521.26	530.79	280.87	1.58	0.00
6415.00	4.83	275.90	6381.85	-65.86	100.95	-528.88	538.43	280.81	0.12	0.00
6505.00	4.65	276.36	6471.54	-66.17	101.74	-536.28	545.84	280.74	0.20	0.00
6594.00	4.61	274.07	6560.25	-66.35	102.40	-543.43	552.99	280.67	0.21	0.00
6684.00	4.89	273.35	6649.94	-66.34	102.88	-550.87	560.39	280.58	0.32	0.00
6773.00	4.69	274.82	6738.63	-66.38	103.41	-558.28	567.78	280.49	0.26	0.00
6863.00	4.94	276.01	6828.31	-66.59	104.12	-565.80	575.30	280.43	0.30	0.00
6952.00	5.45	277.03	6916.95	-66.98	105.04	-573.81	583.34	280.37	0.58	0.00
7042.00	5.60	276.85	7006.53	-67.46	106.09	-582.41	591.99	280.32	0.17	0.00
7132.00	5.73	276.25	7096.09	-67.89	107.10	-591.23	600.85	280.27	0.16	0.00
7310.00	5.31	288.44	7273.27	-70.36	110.67	-607.88	617.87	280.32	0.70	0.00
7400.00	5.31	288.32	7362.88	-72.46	113.30	-615.78	626.12	280.43	0.01	0.00
7490.00	5.41	287.23	7452.49	-74.49	115.86	-623.79	634.46	280.52	0.16	0.00
7579.00	5.25	286.08	7541.10	-76.33	118.23	-631.71	642.68	280.60	0.22	0.00
7669.00	5.40	286.46	7630.72	-78.14	120.57	-639.73	650.99	280.67	0.17	0.00
7758.00	5.18	284.25	7719.34	-79.79	122.75	-647.64	659.17	280.73	0.34	0.00
7848.00	5.55	282.52	7808.94	-81.19	124.69	-655.82	667.57	280.77	0.45	0.00
7937.00	5.27	279.52	7897.55	-82.25	126.30	-664.06	675.96	280.77	0.45	0.00
8027.00	4.99	278.50	7987.19	-82.98	127.56	-672.00	684.00	280.75	0.33	0.00
8116.00	5.30	280.13	8075.83	-83.76	128.86	-679.88	691.98	280.73	0.39	0.00
8206.00	5.02	283.17	8165.46	-84.86	130.49	-687.81	700.07	280.74	0.43	0.00
8295.00	4.69	285.82	8254.14	-86.25	132.37	-695.10	707.59	280.78	0.45	0.00
8385.00	5.41	287.10	8343.79	-88.00	134.62	-702.69	715.47	280.84	0.81	0.00
8475.00	5.90	290.54	8433.35	-90.31	137.49	-711.08	724.25	280.94	0.66	0.00
8564.00	5.79	291.76	8521.89	-93.02	140.76	-719.53	733.17	281.07	0.19	0.00
8654.00	5.26	290.01	8611.47	-95.57	143.85	-727.62	741.71	281.18	0.62	0.00
8743.00	4.88	287.94	8700.13	-97.64	146.41	-735.06	749.50	281.27	0.47	0.00
8833.00	5.22	289.64	8789.78	-99.69	148.97	-742.56	757.35	281.34	0.41	0.00
8922.00	4.94	291.72	8878.43	-101.98	151.75	-749.93	765.13	281.44	0.38	0.00
9012.00	5.12	289.84	8968.08	-104.28	154.54	-757.31	772.92	281.53	0.27	0.00
9101.00	4.41	287.33	9056.77	-106.18	156.91	-764.31	780.25	281.60	0.83	0.00
9191.00	3.60	286.51	9146.55	-107.62	158.75	-770.32	786.51	281.64	0.90	0.00
9370.00	2.40	283.97	9325.30	-109.52	161.25	-779.35	795.85	281.69	0.67	0.00
9460.00	2.21	273.43	9415.23	-109.84	161.81	-782.91	799.45	281.68	0.52	0.00
9549.00	2.10	266.91	9504.17	-109.64	161.82	-786.25	802.73	281.63	0.30	0.00
9639.00	1.74	262.98	9594.12	-109.18	161.57	-789.25	805.62	281.57	0.43	0.00
9728.00	2.06	258.94	9683.07	-108.52	161.09	-792.16	808.38	281.49	0.39	0.00
9818.00	2.01	246.92	9773.01	-107.39	160.16	-795.20	811.17	281.39	0.48	0.00
9907.00	1.48	210.47	9861.97	-105.66	158.56	-797.22	812.84	281.25	1.35	0.00
9996.00	1.17	50.17	9950.96	-105.26	158.15	-797.11	812.65	281.22	2.93	0.00
10086.00	1.42	61.55	10040.94	-106.49	159.27	-795.42	811.21	281.32	0.40	0.00
10175.00	1.38	70.49	10129.91	-107.50	160.16	-793.44	809.44	281.41	0.25	0.00
10265.00	0.69	72.12	10219.90	-108.13	160.68	-791.90	808.04	281.47	0.77	0.00
10355.00	0.27	98.59	10309.90	-108.31	160.82	-791.18	807.36	281.49	0.52	0.00
10444.00	0.65	118.79	10398.89	-108.08	160.54	-790.53	806.67	281.48	0.46	0.00
10623.00	0.26	161.31	10577.89	-107.27	159.67	-789.51	805.49	281.43	0.27	0.00
10713.00	0.00	337.10	10667.89	-107.09	159.48	-789.44	805.39	281.42	0.29	0.00
10802.00	0.26	260.10	10756.89	-107.04	159.44	-789.64	805.58	281.42	0.29	0.00
10892.00	0.20	341.36	10846.89	-107.14	159.56	-789.89	805.85	281.42	0.34	0.00
11071.00	0.19	312.90	11025.88	-107.61	160.05	-790.21	806.26	281.45	0.05	0.00
11161.00	0.37	38.10	11115.88	-107.95	160.38	-790.14	806.25	281.47	0.45	0.00
11250.00	0.60	26.63	11204.88	-108.61	161.03	-789.75	806.00	281.52	0.28	0.00
11340.00	0.90	40.89	11294.87	-109.61	161.98	-789.08	805.54	281.60	0.39	0.00
11429.00	0.75	21.12	11383.86	-110.72	163.05	-788.41	805.10	281.68	0.36	0.00
11519.00	0.77	24.75	11473.86	-111.85	164.15	-787.95	804.87	281.77	0.06	0.00
11608.00	0.69	46.14	11562.85	-112.80	165.07	-787.31	804.43	281.84	0.32	0.00
11698.00	0.48	56.81	11652.84	-113.43	165.65	-786.60	803.86	281.89	0.26	0.00
11787.00	0.41	36.17	11741.84	-113.93	166.11	-786.10	803.46	281.93	0.20	0.00
11820.00	0.31	74.17	11774.84	-114.05	166.23	-785.95	803.34	281.94	0.77	0.00
11883.00	0.36	54.73	11837.84	-114.24	166.39	-785.62	803.05	281.96	0.20	0.00
11977.00	0.22	27.53	11931.84	-114.59	166.72	-785.30	802.80	281.99	0.20	0.00
12072.00	2.23	173.25	12026.82	-112.94	165.05	-785.00	802.16	281.87	2.54	0.00
12166.00	9.17	167.59	12120.29	-103.94	155.91	-783.17	798.54	281.26	7.40	0.00
12261.00	15.49	170.76	12213.06	-84.29	135.97	-779.50	791.27	279.89	6.69	0.00
12357.00	26.19	173.38	12302.65	-50.86	102.18	-774.99	781.70	277.51	11.19	0.00
12451.00	40.05	179.87	12381.21	-0.02	51.06	-772.52	774.20	273.78	15.20	0.00
12545.00	50.70	180.07	12447.14	66.64	-15.74	-772.49	772.65	268.83	11.33	0.00
12638.00	58.41	183.02	12501.04	142.27	-91.41	-774.63	780.00	263.27	8.68	0.00

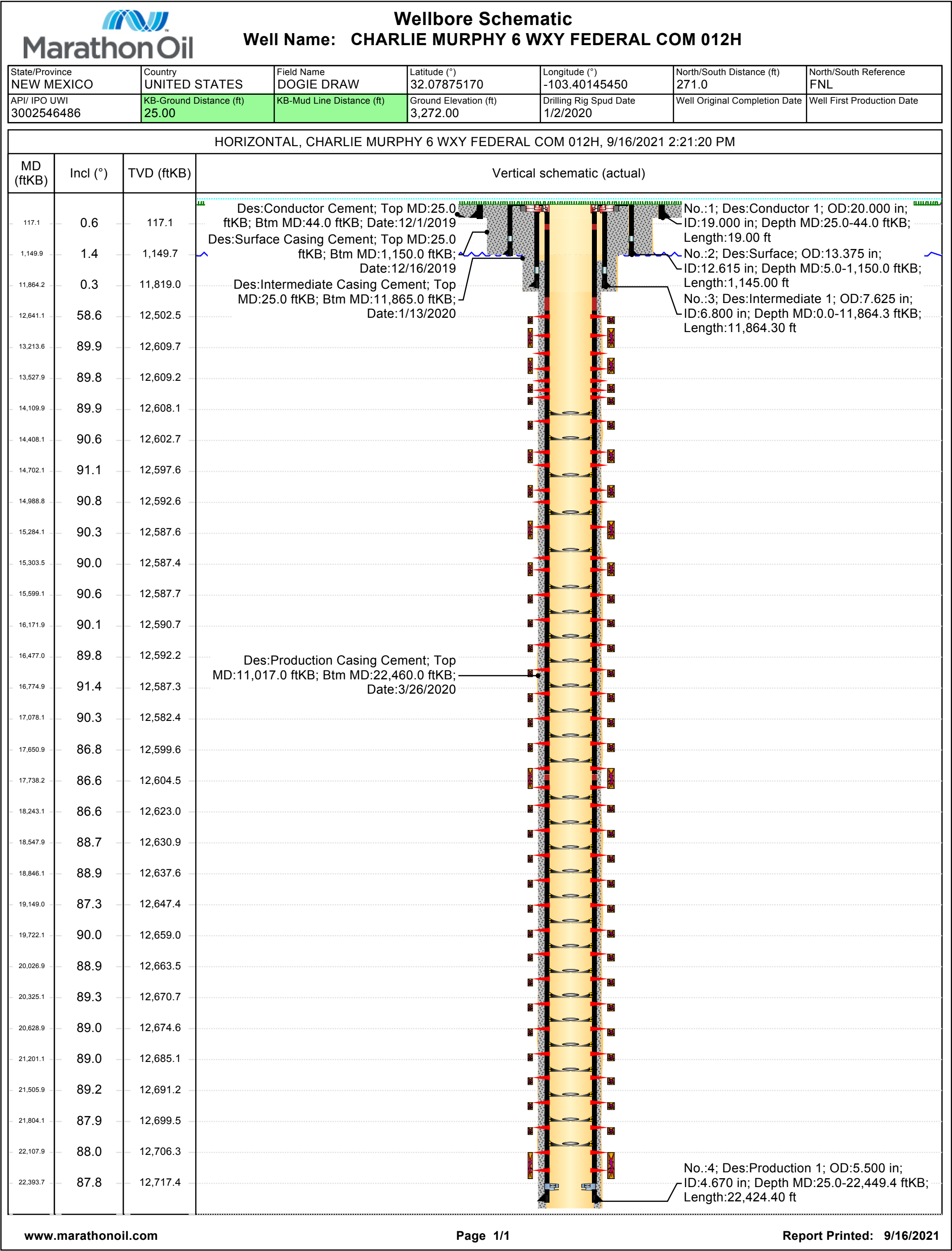
12733.00	65.63	186.09	12545.59	226.09	-174.96	-781.36	800.71	257.38	8.12	0.00
12827.00	69.09	186.32	12581.77	312.76	-261.20	-790.74	832.76	251.72	3.69	0.00
12922.00	80.70	178.83	12606.52	404.22	-352.60	-794.68	869.39	246.07	14.39	0.00
13015.00	91.14	178.78	12613.13	496.51	-445.21	-792.75	909.21	240.68	11.23	0.00
13108.00	91.89	181.11	12610.67	589.26	-538.17	-792.66	958.09	235.83	2.63	0.00
13158.00	90.28	179.02	12609.72	639.14	-588.16	-792.72	987.08	233.43	5.28	0.00
13253.00	89.69	187.39	12609.75	734.05	-682.93	-798.02	1050.35	229.44	8.83	0.00
13347.00	90.12	185.05	12609.90	827.96	-776.37	-808.21	1120.69	226.15	2.53	0.00
13442.00	90.49	182.84	12609.40	922.95	-871.13	-814.74	1192.76	223.08	2.36	0.00
13536.00	89.78	182.86	12609.17	1016.94	-965.02	-819.42	1265.98	220.34	0.76	0.00
13601.00	91.32	178.67	12608.55	1081.83	-1029.99	-820.28	1316.72	218.53	6.87	0.00
13696.00	90.11	178.08	12607.36	1176.40	-1124.94	-817.59	1390.67	216.01	1.42	160.60
13790.00	90.08	177.94	12607.21	1269.92	-1218.89	-814.33	1465.88	213.75	0.15	167.90
13884.00	89.72	179.13	12607.37	1363.53	-1312.85	-811.92	1543.63	211.73	1.32	175.00
13979.00	90.11	179.73	12607.51	1458.25	-1407.85	-810.98	1624.72	209.94	0.75	175.00
14074.00	89.16	177.48	12608.12	1552.85	-1502.81	-808.67	1706.57	208.28	2.57	175.00
14168.00	91.04	179.44	12607.96	1646.44	-1596.77	-806.14	1788.72	206.79	2.89	175.00
14262.00	91.18	178.80	12606.13	1740.11	-1690.74	-804.70	1872.47	205.45	0.70	175.00
14356.00	92.16	180.00	12603.39	1833.79	-1784.69	-803.71	1957.31	204.24	1.65	182.00
14451.00	89.33	177.43	12602.16	1928.40	-1879.64	-801.58	2043.43	203.10	4.02	182.00
14545.00	91.93	179.98	12601.13	2022.01	-1973.60	-799.46	2129.37	202.05	3.87	182.00
14640.00	90.95	178.49	12598.74	2116.68	-2068.55	-798.19	2217.21	201.10	1.88	182.50
14734.00	91.12	177.92	12597.04	2210.22	-2162.49	-795.25	2304.08	200.19	0.63	182.40
14829.00	90.42	176.90	12595.76	2304.62	-2257.39	-790.95	2391.94	199.31	1.30	189.00
14923.00	91.82	179.81	12593.93	2398.17	-2351.32	-788.25	2479.93	198.53	3.43	189.00
15017.00	90.42	179.95	12592.09	2491.93	-2445.30	-788.06	2569.14	197.86	1.50	189.00
15112.00	90.95	180.63	12590.95	2586.75	-2540.29	-788.54	2659.86	197.25	0.91	189.00
15205.00	91.68	182.10	12588.82	2679.63	-2633.23	-790.75	2749.40	196.71	1.76	189.00
15299.00	90.08	182.12	12587.37	2773.58	-2727.15	-794.21	2840.45	196.24	1.70	189.00
15391.00	89.44	179.19	12587.76	2865.43	-2819.14	-795.27	2929.16	195.75	3.26	189.00
15484.00	89.92	182.01	12588.28	2958.28	-2912.12	-796.24	3019.01	195.29	3.08	189.00
15578.00	90.53	179.88	12587.91	3052.16	-3006.10	-797.79	3110.16	194.86	2.36	182.00
15671.00	90.81	180.51	12586.82	3144.97	-3099.09	-798.11	3200.21	194.44	0.74	189.00
15765.00	88.09	180.43	12587.73	3238.80	-3193.08	-798.88	3291.50	194.05	2.89	189.00
15858.00	89.19	179.81	12589.93	3331.58	-3286.05	-799.07	3381.81	193.67	1.36	197.00
15952.00	90.00	179.02	12590.60	3425.30	-3380.04	-798.11	3472.99	193.29	1.20	197.00
16045.00	89.69	179.54	12590.85	3518.02	-3473.03	-796.94	3563.30	192.92	0.65	197.00
16139.00	90.45	178.69	12590.73	3611.70	-3567.02	-795.49	3654.65	192.57	1.21	197.00
16234.00	89.55	179.07	12590.73	3706.35	-3662.00	-793.63	3747.01	192.23	1.03	197.00
16322.00	89.47	181.50	12591.49	3794.18	-3749.99	-794.07	3833.14	191.96	2.76	182.00
16416.00	89.92	179.42	12591.99	3888.02	-3843.98	-794.83	3925.29	191.68	2.26	182.00
16510.00	89.75	180.15	12592.26	3981.79	-3937.98	-794.47	4017.32	191.41	0.80	182.00
16604.00	91.54	179.60	12591.20	4075.56	-4031.97	-794.27	4109.46	191.14	1.99	189.70
16698.00	91.15	177.35	12588.99	4169.12	-4125.90	-791.77	4201.19	190.86	2.43	189.70
16792.00	91.43	179.09	12586.88	4262.65	-4219.83	-788.85	4292.93	190.59	1.87	197.00
16886.00	90.84	178.73	12585.01	4356.30	-4313.79	-787.06	4385.01	190.34	0.74	197.00
16980.00	91.01	178.80	12583.50	4449.92	-4407.76	-785.04	4477.12	190.10	0.20	197.00
17075.00	90.34	179.58	12582.38	4544.61	-4502.74	-783.69	4570.43	189.87	1.08	197.00
17168.00	89.97	178.89	12582.13	4637.32	-4595.73	-782.45	4661.87	189.66	0.84	197.00
17263.00	89.22	179.18	12582.80	4731.99	-4690.72	-780.85	4755.26	189.45	0.85	197.00
17357.00	88.18	180.42	12584.93	4825.74	-4784.69	-780.52	4847.93	189.27	1.72	204.00
17452.00	87.67	180.34	12588.37	4920.51	-4879.62	-781.15	4941.75	189.10	0.54	204.00
17542.00	86.25	179.15	12593.14	5010.15	-4969.49	-780.75	5030.45	188.93	2.06	204.00
17636.00	86.92	179.51	12598.74	5103.70	-5063.32	-779.66	5122.99	188.75	0.81	204.00
17731.00	86.35	179.92	12604.32	5198.30	-5158.15	-779.18	5216.67	188.59	0.74	204.00
17825.00	90.00	180.27	12607.31	5292.04	-5252.09	-779.34	5309.60	188.44	3.90	197.00
17918.00	89.30	182.10	12607.88	5384.94	-5345.06	-781.26	5401.86	188.32	2.11	197.00
18012.00	87.62	179.10	12610.41	5478.75	-5439.01	-782.25	5494.97	188.18	3.66	204.00
18106.00	86.80	178.51	12614.98	5572.28	-5532.88	-780.29	5587.63	188.03	1.07	204.00
18199.00	86.50	177.92	12620.42	5664.68	-5625.67	-777.40	5679.13	187.87	0.71	204.00
18293.00	86.69	178.13	12626.00	5758.04	-5719.45	-774.16	5771.61	187.71	0.30	211.00
18385.00	89.97	177.91	12628.68	5849.53	-5811.34	-770.99	5862.26	187.56	3.57	204.00
18476.00	89.08	178.57	12629.43	5940.10	-5902.30	-768.19	5952.08	187.42	1.22	211.00
18570.00	88.60	176.88	12631.34	6033.55	-5996.20	-764.46	6044.73	187.27	1.87	211.00
18663.00	88.96	177.55	12633.32	6125.92	-6089.07	-759.94	6136.31	187.11	0.82	211.00
18756.00	88.43	177.07	12635.44	6218.30	-6181.94	-755.58	6227.94	186.97	0.77	204.00
18849.00	88.88	176.71	12637.62	6310.61	-6274.78	-750.54	6319.50	186.82	0.62	204.00
18941.00	86.75	174.25	12641.13	6401.56	-6366.41	-743.29	6409.66	186.66	3.54	204.00
19034.00	89.78	180.11	12643.95	6493.85	-6459.21	-738.73	6501.31	186.52	7.09	204.00

19127.00	87.28	176.34	12646.33	6586.36	-6552.11	-735.85	6593.30	186.41	4.86	204.00
19221.00	87.20	176.12	12650.86	6679.44	-6645.79	-729.68	6685.73	186.27	0.25	204.00
19316.00	88.94	181.14	12654.06	6773.97	-6740.68	-727.41	6779.81	186.16	5.59	197.00
19410.00	89.33	179.53	12655.48	6867.79	-6834.66	-727.96	6873.32	186.08	1.76	204.00
19504.00	89.19	179.95	12656.69	6961.54	-6928.65	-727.53	6966.75	185.99	0.47	204.00
19598.00	88.88	179.22	12658.28	7055.28	-7022.64	-726.85	7060.15	185.91	0.84	211.00
19693.00	90.36	182.86	12658.91	7150.15	-7117.60	-728.58	7154.79	185.84	4.14	211.00
19787.00	89.13	179.66	12659.32	7244.04	-7211.56	-730.64	7248.48	185.79	3.65	204.00
19882.00	89.58	180.10	12660.39	7338.82	-7306.56	-730.44	7342.98	185.71	0.66	211.00
19977.00	87.84	178.47	12662.53	7433.49	-7401.52	-729.26	7437.36	185.63	2.51	211.00
20070.00	89.89	181.15	12664.37	7526.24	-7494.49	-728.95	7529.85	185.56	3.63	211.00
20164.00	87.62	177.38	12666.42	7619.90	-7588.43	-727.75	7623.25	185.48	4.68	211.00
20258.00	88.52	177.27	12669.58	7713.25	-7682.28	-723.36	7716.26	185.38	0.96	211.00
20352.00	89.64	183.32	12671.09	7807.02	-7776.22	-723.85	7809.84	185.32	6.54	211.00
20447.00	89.52	178.41	12671.79	7901.87	-7871.18	-725.28	7904.52	185.26	5.17	211.00
20541.00	88.96	178.17	12673.04	7995.43	-7965.13	-722.48	7997.82	185.18	0.65	211.00
20635.00	89.02	178.26	12674.69	8088.97	-8059.06	-719.55	8091.12	185.10	0.12	204.00
20728.00	88.99	178.66	12676.31	8181.55	-8152.02	-717.05	8183.49	185.03	0.43	211.00
20823.00	89.41	178.58	12677.64	8276.16	-8246.98	-714.76	8277.90	184.95	0.45	218.00
20917.00	89.02	179.45	12678.92	8369.83	-8340.96	-713.15	8371.39	184.89	1.01	218.00
21011.00	88.80	178.12	12680.71	8463.45	-8434.92	-711.15	8464.84	184.82	1.43	218.00
21106.00	88.49	179.65	12682.96	8558.07	-8529.87	-709.31	8559.31	184.75	1.64	211.00
21200.00	88.96	179.91	12685.05	8651.82	-8623.84	-708.95	8652.94	184.70	0.57	211.00
21294.00	88.51	179.51	12687.13	8745.56	-8717.82	-708.47	8746.56	184.65	0.64	211.00
21389.00	88.96	179.61	12689.22	8840.28	-8812.79	-707.74	8841.17	184.59	0.49	211.00
21483.00	88.88	177.79	12690.99	8933.89	-8906.75	-705.61	8934.65	184.53	1.94	211.00
21576.00	90.34	179.02	12691.63	9026.47	-8999.71	-703.02	9027.12	184.47	2.05	211.00
21670.00	87.14	177.67	12693.69	9120.02	-9093.63	-700.31	9120.56	184.40	3.69	211.00
21765.00	87.59	177.75	12698.06	9214.38	-9188.45	-696.51	9214.81	184.33	0.48	211.00
21860.00	88.35	177.78	12701.43	9308.80	-9283.32	-692.81	9309.14	184.27	0.80	211.00
21954.00	90.08	177.90	12702.72	9402.28	-9377.24	-689.27	9402.54	184.20	1.84	211.00
22047.00	88.07	178.69	12704.22	9494.84	-9470.18	-686.50	9495.03	184.15	2.32	211.00
22142.00	88.01	177.97	12707.47	9589.35	-9565.09	-683.74	9589.49	184.09	0.76	211.00
22237.00	87.48	175.72	12711.20	9683.58	-9659.86	-678.51	9683.66	184.02	2.43	211.00
22330.00	87.82	176.51	12715.02	9775.67	-9752.57	-672.22	9775.71	183.94	0.92	211.00
22460.00	87.82	176.51	12719.96	9904.53	-9882.23	-664.31	9904.54	183.85	0.00	0.00

Comments

TIE - IN

PTB



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 55204

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 55204
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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District III
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 55204

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 55204
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/28/2022