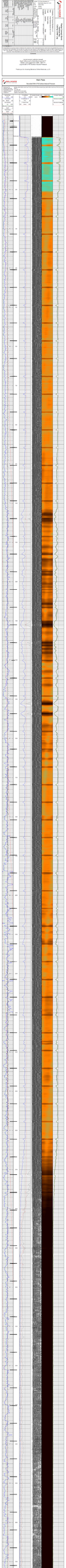
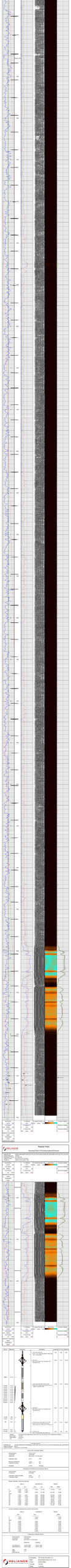

Main Pass
Recorded With Schlumberger Platform Express
Run 1 Pass 1 Main Pass
Run 1 Pass 2 Repeat
Run 1 Pass 3 Main Pass
Run 1 Pass 4 Repeat
Run 1 Pass 5 Main Pass
Run 1 Pass 6 Repeat
Run 1 Pass



Prepared Pipers

Recorded Mode Resistivity Measurement Processed

Company	Total Energy Resources LLC
Well	Pipers Valley Federal Com #1H
Field	Pipers Valley
County	Eddy
State	New Mexico

Reliance Wireline Services, LLC

Drilling Operations Report

Operator	Total Energy Resources LLC
Well Name	Pipers Valley Federal Com #1H
Field	Pipers Valley
County	Eddy
State	New Mexico
Surface Location	1,000 FSL & 1,000 FWL
	Section 1, T-19-S, R-28-E
Latitude / Longitude	32.6677, -104.1234
Ground Elevation	3,245 ft
Drilling Rig	Nabors X-28
Spud Date	03/15/2026
Total Depth	10,450 ft MD / 9,980 ft TVD
Rig Release Date	04/02/2026

Reliance Wireline Services, LLC

Directional Survey Report

Operator	Total Energy Resources LLC
Well Name	Pipers Valley Federal Com #1H
API Number	30-015-49821
Surface Location	1,000 FSL & 1,000 FWL, Sec 1, T-19-S, R-28-E, Eddy County, NM
Bottom Hole Location	1,000 FSL & 1,000 FWL, Sec 1, T-19-S, R-28-E, Eddy County, NM
Ground Elevation	3,245 ft
Kelly Bushing Elevation	3,270 ft
Survey Company	Reliance Wireline Services, LLC
Survey Type	Gyro / MWD
Survey Date	03/28/2026
Total Depth (MD)	10,450 ft
Total Depth (TVD)	9,980 ft
Vertical Section Direction	180.00° (Due South)
Declination Correction	7.42° E
Grid Convention	True North

Survey Data

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	Vert Sec (ft)	DLS (°/100 ft)
0	0.00	0.00	0	0.00	0.00	0.00	0.00
100	0.25	180.00	100	-0.22	0.00	-0.22	0.25
200	0.50	180.00	200	-0.87	0.00	-0.87	0.25
300	0.75	180.00	300	-1.96	0.00	-1.96	0.25
400	1.00	180.00	400	-3.48	0.00	-3.48	0.25
500	1.25	180.00	500	-5.44	0.00	-5.44	0.25
600	1.50	180.00	600	-7.83	0.00	-7.83	0.25
700	1.75	180.00	700	-10.66	0.00	-10.66	0.25
800	2.00	180.00	800	-13.92	0.00	-13.92	0.25
900	2.25	180.00	900	-17.62	0.00	-17.62	0.25
1,000	2.50	180.00	1,000	-21.75	0.00	-21.75	0.25
1,100	2.75	180.00	1,100	-26.32	0.00	-26.32	0.25
1,200	3.00	180.00	1,200	-31.32	0.00	-31.32	0.25
1,300	3.25	180.00	1,300	-36.76	0.00	-36.76	0.25
1,400	3.50	180.00	1,400	-42.63	0.00	-42.63	0.25
1,500	3.75	180.00	1,500	-48.94	0.00	-48.94	0.25
1,600	4.00	180.00	1,600	-55.68	0.00	-55.68	0.25
1,700	4.25	180.00	1,700	-62.86	0.00	-62.86	0.25
1,800	4.50	180.00	1,800	-70.47	0.00	-70.47	0.25
1,900	4.75	180.00	1,900	-78.52	0.00	-78.52	0.25
2,000	5.00	180.00	2,000	-87.00	0.00	-87.00	0.25
2,100	5.25	180.00	2,100	-95.92	0.00	-95.92	0.25
2,200	5.50	180.00	2,200	-105.27	0.00	-105.27	0.25
2,300	5.75	180.00	2,300	-115.06	0.00	-115.06	0.25
2,400	6.00	180.00	2,400	-125.28	0.00	-125.28	0.25
2,500	6.25	180.00	2,500	-135.94	0.00	-135.94	0.25
2,600	6.50	180.00	2,600	-147.03	0.00	-147.03	0.25
2,700	6.75	180.00	2,700	-158.56	0.00	-158.56	0.25
2,800	7.00	180.00	2,800	-170.52	0.00	-170.52	0.25
2,900	7.25	180.00	2,900	-182.92	0.00	-182.92	0.25
3,000	7.50	180.00	3,000	-195.75	0.00	-195.75	0.25
3,100	7.75	180.00	3,100	-209.02	0.00	-209.02	0.25
3,200	8.00	180.00	3,200	-222.72	0.00	-222.72	0.25
3,300	8.25	180.00	3,300	-236.86	0.00	-236.86	0.25
3,400	8.50	180.00	3,400	-251.43	0.00	-251.43	0.25
3,500	8.75	180.00	3,500	-266.44	0.00	-266.44	0.25
3,600	9.00	180.00	3,600	-281.88	0.00	-281.88	0.25
3,700	9.25	180.00	3,700	-297.76	0.00	-297.76	0.25
3,800	9.50	180.00	3,800	-314.07	0.00	-314.07	0.25
3,900	9.75	180.00	3,900	-330.82	0.00	-330.82	0.25
4,000	10.00	180.00	4,000	-348.00	0.00	-348.00	0.25
4,100	10.25	180.00	4,100	-365.62	0.00	-365.62	0.25
4,200	10.50	180.00	4,200	-383.67	0.00	-383.67	0.25
4,300	10.75	180.00	4,300	-402.16	0.00	-402.16	0.25
4,400	11.00	180.00	4,400	-421.08	0.00	-421.08	0.25
4,500	11.25	180.00	4,500	-440.44	0.00	-440.44	0.25
4,600	11.50	180.00	4,600	-460.23	0.00	-460.23	0.25
4,700	11.75	180.00	4,700	-480.45	0.00	-480.45	0.25
4,800	12.00	180.00	4,800	-501.11	0.00	-501.11	0.25
4,900	12.25	180.00	4,900	-522.20	0.00	-522.20	0.25
5,000	12.50	180.00	5,000	-543.72	0.00	-543.72	0.25
5,100	12.75	180.00	5,100	-565.68	0.00	-565.68	0.25
5,200	13.00	180.00	5,200	-588.07	0.00	-588.07	0.25
5,300	13.25	180.00	5,300	-610.89	0.00	-610.89	0.25
5,400	13.50	180.00	5,400	-634.14	0.00	-634.14	0.25
5,500	13.75	180.00	5,500	-657.82	0.00	-657.82	0.25
5,600	14.00	180.00	5,600	-681.93	0.00	-681.93	0.25
5,700	14.25	180.00	5,700	-706.47	0.00	-706.47	0.25
5,800	14.50	180.00	5,800	-731.44	0.00	-731.44	0.25
5,900	14.75	180.00	5,900	-756.84	0.00	-756.84	0.25
6,000	15.00	180.00	6,000	-782.67	0.00	-782.67	0.25
6,100	15.25	180.00	6,100	-808.93	0.00	-808.93	0.25
6,200	15.50	180.00	6,200	-835.62	0.00	-835.62	0.25
6,300	15.75	180.00	6,300	-862.74	0.00	-862.74	0.25
6,400	16.00	180.00	6,400	-890.29	0.00	-890.29	0.25
6,500	16.25	180.00	6,500	-918.27	0.00	-918.27	0.25
6,600	16.50	180.00	6,600	-946.68	0.00	-946.68	0.25
6,700	16.75	180.00	6,700	-975.52	0.00	-975.52	0.25
6,800	17.00	180.00	6,800	-1,004.79	0.00	-1,004.79	0.25
6,900	17.25	180.00	6,900	-1,034.49	0.00	-1,034.49	0.25
7,000	17.50	180.00	7,000	-1,064.62	0.00	-1,064.62	0.25
7,100	17.75	180.00	7,100	-1,095.18	0.00	-1,095.18	0.25
7,200	18.00	180.00	7,200	-1,126.17	0.00	-1,126.17	0.25
7,300	18.25	180.00	7,300	-1,157.59	0.00	-1,157.59	0.25
7,400	18.50	180.00	7,400	-1,189.44	0.00	-1,189.44	0.25
7,500	18.75	180.00	7,500	-1,221.72	0.00	-1,221.72	0.25
7,600	19.00	180.00	7,600	-1,254.43	0.00	-1,254.43	0.25
7,700	19.25	180.00	7,700	-1,287.57	0.00	-1,287.57	0.25
7,800	19.50	180.00	7,800	-1,321.14	0.00	-1,321.14	0.25
7,900	19.75	180.00	7,900	-1,355.14	0.00	-1,355.14	0.25
8,000	20.00	180.00	8,000	-1,389.57	0.00	-1,389.57	0.25
8,100	20.25	180.00	8,100	-1,424.43	0.00	-1,424.43	0.25
8,200	20.50	180.00	8,200	-1,459.72	0.00	-1,459.72	0.25
8,300	20.75	180.00	8,300	-1,495.44	0.00	-1,495.44	0.25
8,400	21.00	180.00	8,400	-1,531.59	0.00	-1,531.59	0.25
8,500	21.25	180.00	8,500	-1,568.17	0.00	-1,568.17	0.25
8,600	21.50	180.00	8,600	-1,605.18	0.00	-1,605.18	0.25
8,700	21.75	180.00	8,700	-1,642.62	0.00	-1,642.62	0.25
8,800	22.00	180.00	8,800	-1,680.49	0.00	-1,680.49	0.25
8,900	22.25	180.00	8,900	-1,718.79	0.00	-1,718.79	0.25
9,000	22.50	180.00	9,000	-1,757.52	0.00	-1,757.52	0.25
9,100	22.75	180.00	9,100	-1,796.68	0.00	-1,796.68	0.25
9,200	23.00	180.00	9,200	-1,836.27	0.00	-1,836.27	0.25
9,300	23.25	180.00	9,300	-1,876.29	0.00	-1,876.29	0.25
9,400	23.50	180.00	9,400	-1,916.74	0.00	-1,916.74	0.25
9,500	23.75	180.00	9,500	-1,957.62	0.00	-1,957.62	0.25
9,600	24.00	180.00	9,600	-1,998.93	0.00	-1,998.93	0.25
9,700	24.25	180.00	9,700	-2,040.67	0.00	-2,040.67	0.25
9,800	24.50	180.00	9,800	-2,082.84	0.00	-2,082.84	0.25
9,900	24.75	180.00	9,900	-2,125.44	0.00	-2,125.44	0.25
10,000	25.00	180.00	9,980	-2,168.47	0.00	-2,168.47	0.25
10,100	25.00	180.00	9,980	-2,211.93	0.00	-2,211.93	0.00
10,200	25.00	180.00	9,980	-2,255.39	0.00	-2,255.39	0.00
10,300	25.00	180.00	9,980	-2,298.85	0.00	-2,298.85	0.00
10,400	25.00	180.00	9,980	-2,342.31	0.00	-2,342.31	0.00
10,450	25.00	180.00	9,980	-2,364.04	0.00	-2,364.04	0.00

Reliance Wireline Services, LLC

Mud Logging Report

Operator	Total Energy Resources LLC
Well Name	Pipers Valley Federal Com #1H
API Number	30-015-49821
Surface Location	1,000 FSL & 1,000 FWL, Sec 1, T-19-S, R-28-E, Eddy County, NM
Bottom Hole Location	1,000 FSL & 1,000 FWL, Sec 1, T-19-S, R-28-E, Eddy County, NM
Ground Elevation	3,245 ft
Kelly Bushing Elevation	3,270 ft
Spud Date	03/15/2026
Total Depth (MD)	10,450 ft
Total Depth (TVD)	9,980 ft
Rig Release Date	04/02/2026
Mud Logging Unit	Reliance Unit 3
Logging Engineer	J. Whitfield
Mud Type	Fresh Water / Brine
Mud Weight	8.4 – 10.2 ppg
Viscosity	28 – 34 sec/qt
Chlorides	1,200 – 185,000 mg/L
Gas Units	Background: 40 – 120 units
Connection Gas	Max: 1,850 units
Trip Gas	Max: 2,640 units
Lithology	Limestone, Dolomite, Anhydrite, Shale
Oil Shows	Fair to good, 10 – 35%
Fluorescence	Yellow-gold, moderate
Cut	Slow to moderate streaming
Residual Oil	Trace to 2%
Hydrogen Sulfide	Not detected
Casing Point	13-3/8" @ 1,520 ft MD
Intermediate Casing	9-5/8" @ 4,850 ft MD
Production Casing	5-1/2" @ 10,450 ft MD
Kick Tolerance	1.2 ppg EMW
Max Anticipated Pressure	4,980 psi
Pore Pressure Gradient	0.433 psi/ft
Fracture Gradient	0.682 psi/ft
Drilling Time Log	Recorded at 1 ft intervals
Gamma Ray	Recorded at 1 ft intervals
Resistivity	Recorded at 1 ft intervals
Porosity	Recorded at 1 ft intervals
Directional Survey	Gyro / MWD
Survey Company	Reliance Wireline Services, LLC
Survey Date	03/28/2026
Vertical Section Direction	180.00° (Due South)
Declination Correction	7.42° E
Grid Convention	True North
Total Depth (MD)	10,450 ft
Total Depth (TVD)	9,980 ft
Ground Elevation	3,245 ft
Kelly Bushing Elevation	3,270 ft
Drilling Rig	Nabors X-28
Spud Date	03/15/2026