

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 033 - 06046 County Harrison District Clay - Outside
Quad Rosemont 7.5' Pad Name Abbey Field/Pool Name _____
Farm name Long Ridge West Virginia LLC Well Number Abbey South 4MH
Operator (as registered with the OOG) Diversified Production, LLC
Address 101 McQuiston Drive City Jackson Center State PA Zip 16133

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4358548.589 Easting 568819.810
Landing Point of Curve Northing 4358439.970 Easting 569072.044
Bottom Hole Northing 4352916.195 Easting 571079.368

Elevation (ft) 996' GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☒ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☒ Single ☐ Multiple Fluids Produced ☒ Brine ☒ Gas ☐ NGL ☐ Oil ☐ Other _____
Drilled with ☐ Cable ☒ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☒ Fresh Water Intermediate hole ☐ Air ☒ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☒ Mud ☐ Fresh Water ☐ Brine

Mud Type(s) and Additive(s)

SOBM; Base oil, osmotic inhibitor, weighting agent, viscosifier, emulsifier, hardness buffer, fluid loss additive, LCM,
Shale inhibitor, de-foamer, soaping agent, coagulant, flocculant; specific additives per WSSP and permit.

Date permit issued 12/20/2024 Date drilling commenced spud: 12/27/2024, big rig: 12/9/2025 Date drilling ceased 1/17/2026
Date completion activities began 3/21/2026 Date completion activities ceased 5/3/2026
Verbal plugging (Y/N) N Date permission granted n/a Granted by n/a

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 160' Open mine(s) (Y/N) depths _____
Salt water depth(s) ft 509' Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

reviewed
approved

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Office of Oil and Gas
JUL 24 2026
WV Department of
Environmental Protection
Reviewed by:
08/21/2026
8-13-2026

API 47- 033 - 06046 Farm name Long Ridge West Virginia LLC Well number Abbey South 4MH

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	26"	20"	108'	NEW	Grade A		N
Surface	17 1/2"	13 3/8"	458.1'	NEW	H-40		N
Coal							
Intermediate 1	12 1/4"	9 5/8"	2,494'	NEW	J-55		N
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	26,927'	NEW	P-110HP		N
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	A	285	15.60	1.19	35.5	0	8
Surface	A	602	15.60	1.19	127.0	0	8
Coal							
Intermediate 1	A	977	15.60	1.19	207.0	0	8
Intermediate 2							
Intermediate 3							
Production	A	4,679	14.80/15.20	1.34/1.26	151.0/908.0	0	8
Tubing							

Drillers TD (ft) 26,952' Loggers TD (ft) 26,952'

Deepest formation penetrated Marcellus Plug back to (ft) n/a

Plug back procedure n/a

Kick off depth (ft) 6,757'

Check all wireline logs run ☐ caliper ☐ density ☐ deviated/directional ☐ induction
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No Conventional Sidewall Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor: None

Fresh Water: Every 3rd joint from shoe to surface

Intermediate: Every 3rd joint from shoe to surface

Production: Every other joint from shoe to Top of Cement

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WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS 4/4/2026

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS WV Department of Environmental Protection

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

08/21/2026

API 47-033 - 06046 Farm name Long Ridge West Virginia LLC Well number Abbey South 4MH

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

WV Department of
Environmental Protection

08/21/2026

Perforation Record Abbey South 4MH



Int #	Date	Minimum of Top (ftKB)	Maximum of Btm (ftKB)	Sum of Calculated Shot Total	Target Form
1		26,853.0	26,899.0	30	
2	3/22/2026 00:22	26,648.0	26,821.0	42	
3	3/22/2026 23:46	26,448.0	26,621.0	42	
4	3/23/2026 08:51	26,249.0	26,422.0	42	
5	3/23/2026 15:00	26,049.0	26,222.0	42	
6	3/23/2026 21:15	25,850.0	26,022.0	42	
7	3/24/2026 02:55	25,650.0	25,823.0	42	
8	3/24/2026 10:19	25,450.0	25,623.0	42	
9	3/24/2026 20:13	25,251.0	25,423.0	42	
10	3/25/2026 04:39	25,051.0	25,224.0	42	
11	3/25/2026 13:50	24,852.0	25,024.0	42	
12	3/26/2026 14:45	24,652.0	24,825.0	42	
13	3/27/2026 08:05	24,452.0	24,625.0	42	
14	3/27/2026 20:31	24,253.0	24,425.0	42	
15	3/28/2026 08:15	24,053.0	24,226.0	42	
16	3/28/2026 20:24	23,854.0	24,026.0	42	
17	3/29/2026 06:12	23,654.0	23,827.0	42	
18	3/29/2026 16:26	23,456.0	23,627.0	42	
19	3/30/2026 03:01	23,255.0	23,427.0	42	
20	3/30/2026 17:15	23,055.0	23,230.0	42	
21	3/31/2026 06:10	22,856.0	23,028.0	42	
22	3/31/2026 14:03	22,656.0	22,829.0	42	
23	4/1/2026 00:18	22,456.0	22,629.0	42	
24	4/1/2026 11:30	22,258.0	22,429.0	42	
25	4/2/2026 00:58	22,057.0	22,230.0	42	
26	4/2/2026 12:32	21,858.0	22,030.0	42	
27	4/2/2026 22:25	21,658.0	21,831.0	42	
28	4/3/2026 08:20	21,458.0	21,631.0	42	
29	4/3/2026 17:50	21,259.0	21,431.0	42	
30	4/4/2026 03:06	21,059.0	21,232.0	42	
31	4/4/2026 21:15	20,860.0	21,032.0	42	
32	4/5/2026 14:25	20,660.0	20,833.0	42	
33	4/6/2026 10:54	20,460.0	20,633.0	42	
34	4/6/2026 21:36	20,261.0	20,433.0	42	
35	4/7/2026 07:37	20,062.0	20,234.0	42	
36	4/7/2026 19:46	19,862.0	20,034.0	42	
37	4/8/2026 11:05	19,662.0	19,837.0	42	
38	4/8/2026 23:25	19,462.0	19,635.0	42	
39	4/9/2026 09:03	19,263.0	19,435.0	42	
40	4/9/2026 22:14	19,063.0	19,236.0	42	
41	4/10/2026 12:44	18,864.0	19,036.0	42	
42	4/11/2026 00:35	18,664.0	18,837.0	42	
43	4/11/2026 09:30	18,464.0	18,637.0	42	
44	4/11/2026 18:52	18,265.0	18,437.0	42	
45	4/12/2026 07:43	18,066.0	18,238.0	42	
46	4/12/2026 14:31	17,866.0	18,038.0	42	
47	4/12/2026 23:48	17,666.0	17,839.0	42	
48	4/13/2026 09:22	17,467.0	17,639.0	42	
49	4/13/2026 20:53	17,267.0	17,439.0	42	
50	4/14/2026 04:45	17,067.0	17,240.0	42	RECEIVED Office of Oil and Gas
51	4/14/2026 12:58	16,868.0	17,040.0	42	JUL 24 2026
52	4/15/2026 00:19	16,668.0	16,841.0	42	
53	4/15/2026 09:09	16,469.0	16,641.0	42	
54	4/15/2026 18:55	16,269.0	16,441.0	42	
55	4/16/2026 03:35	16,069.0	16,242.0	42	WV Department of Environmental Protection
56	4/16/2026 12:07	15,870.0	16,042.0	42	
57	4/16/2026 23:53	15,670.0	15,843.0	42	
58	4/17/2026 07:47	15,470.0	15,643.0	42	
59	4/17/2026 17:10	15,271.0	15,443.0	42	
60	4/18/2026 02:26	15,071.0	15,244.0	42	

08/21/2026

Perforation Record Abbey South 4MH



Int #	Date	Minimum of Top (ftKB)	Maximum of Btm (ftKB)	Sum of Calculated Shot Total	Target Form
61	4/18/2026 11:05	14,872.0	15,044.0	42	
62	4/19/2026 02:49	14,672.0	14,845.0	42	
63	4/19/2026 11:05	14,472.0	14,645.0	42	
64	4/19/2026 19:00	14,273.0	14,445.0	42	
65	4/20/2026 23:22	14,073.0	14,246.0	42	
66	4/21/2026 05:00	13,874.0	14,046.0	42	
67	4/21/2026 12:50	13,674.0	13,847.0	42	
68	4/21/2026 21:27	13,474.0	13,647.0	42	
69	4/22/2026 06:53	13,275.0	13,447.0	42	
70	4/22/2026 16:13	13,075.0	13,248.0	42	
71	4/23/2026 00:26	12,876.0	13,049.0	42	
72	4/23/2026 09:58	12,676.0	12,850.0	42	
73	4/23/2026 18:43	12,476.0	12,649.0	42	
74	4/24/2026 03:31	12,277.0	12,449.0	42	
75	4/24/2026 11:45	12,077.0	12,250.0	42	
76	4/24/2026 21:47	11,878.0	12,050.0	42	
77	4/25/2026 09:05	11,678.0	11,851.0	42	
78	4/25/2026 20:30	11,478.0	11,651.0	42	
79	4/26/2026 08:00	11,279.0	11,451.0	42	
80	4/26/2026 15:13	11,079.0	11,252.0	42	
81	4/27/2026 00:06	10,880.0	11,052.0	42	
82	4/27/2026 10:06	10,680.0	10,853.0	42	
83	4/27/2026 19:40	10,480.0	10,653.0	42	
84	4/28/2026 08:15	10,281.0	10,453.0	42	
85	4/28/2026 17:07	10,081.0	10,254.0	42	
86	4/29/2026 02:05	9,882.0	10,054.0	42	
87	4/29/2026 11:54	9,682.0	9,855.0	42	
88	4/29/2026 22:13	9,482.0	9,655.0	42	
89	4/30/2026 05:44	9,283.0	9,455.0	42	
90	4/30/2026 15:08	9,083.0	9,256.0	42	
91	4/30/2026 23:28	8,884.0	9,056.0	42	
92	5/1/2026 11:46	8,684.0	8,857.0	42	
93	5/1/2026 20:41	8,484.0	8,657.0	42	
94	5/2/2026 11:00	8,285.0	8,457.0	42	
95	5/2/2026 18:40	8,085.0	8,258.0	42	
96	5/3/2026 03:35	7,886.0	8,058.0	42	
97	5/3/2026 13:07	7,686.0	7,859.0	42	

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Environmental Protection

08/21/2026

Stimulation Record Abbey South 4MH



Interval Number	End Date	Slurry Rate Avg (gpm)	P Treat Avg (psi)	P Breakdown (psi)	ISIP (psi)	Proppant Total (lb)	Vol Clean Total (bbl)	Vol N2 Total (bbl)
1	3/21/2026	71	10,122.0	3,305.0	4,948.0	162,180.0	5,124.00	0.00
2	3/22/2026	76	9,914.0	7,113.0	5,381.0	540,050.0	10,538.00	0.00
3	3/23/2026	92	11,245.0	5,229.0	5,138.0	529,340.0	10,822.00	0.00
4	3/23/2026	89	10,694.0	5,644.0	6,816.0	552,900.0	10,409.00	0.00
5	3/23/2026	93	11,286.0	6,745.0	5,960.0	533,964.0	10,150.00	0.00
6	3/24/2026	97	11,422.0	7,511.0	5,770.0	540,070.0	11,162.00	0.00
7	3/24/2026	86	11,196.0	5,403.0	5,705.0	545,220.0	10,588.00	0.00
8	3/24/2026	86	10,465.0	6,666.0	5,730.0	539,050.0	10,540.00	0.00
9	3/25/2026	90	10,562.0	7,089.0	6,471.0	542,760.0	10,174.00	0.00
10	3/25/2026	91	10,909.0	5,130.0	6,375.0	550,400.0	10,061.00	0.00
11	3/26/2026	88	10,416.0	5,337.0	6,194.0	539,750.0	10,671.00	0.00
12	3/27/2026	98	11,301.0	5,992.0	5,930.0	502,820.0	10,959.00	0.00
13	3/27/2026	94	11,168.0	5,806.0	6,035.0	540,050.0	10,892.00	0.00
14	3/28/2026	99	11,423.0	5,697.0	5,538.0	539,160.0	10,063.00	0.00
15	3/28/2026	99	11,139.0	5,229.0	6,139.0	545,066.0	10,007.00	0.00
16	3/29/2026	99	10,723.0	8,157.0	5,688.0	540,820.0	9,388.00	0.00
17	3/29/2026	99	10,830.0	5,101.0	6,311.0	541,100.0	10,407.00	0.00
18	3/30/2026	100	11,077.0	4,899.0	6,256.0	503,905.0	9,919.00	0.00
19	3/30/2026	98	11,020.0	5,928.0	5,927.0	540,430.0	10,345.00	0.00
20	3/31/2026	99	11,048.0	8,903.0	5,927.0	547,656.0	9,795.00	0.00
21	3/31/2026	94	10,370.0	6,212.0	6,747.0	540,590.0	11,113.00	0.00
22	3/31/2026	97	10,560.0	7,132.0	6,192.0	545,753.0	9,774.00	0.00
23	4/1/2026	95	10,201.0	6,137.0	6,939.0	540,580.0	10,440.00	0.00
24	4/1/2026	94	10,412.0	6,293.0	5,308.0	516,640.0	10,880.00	0.00
25	4/2/2026	92	9,952.0	6,731.0	5,803.0	540,054.0	10,516.00	0.00
26	4/2/2026	86	9,356.0	6,556.0	6,296.0	540,480.0	10,163.00	0.00
27	4/3/2026	100	10,644.0	6,722.0	6,104.0	540,000.0	10,343.00	0.00
28	4/3/2026	97	10,298.0	6,297.0	6,610.0	524,900.0	10,517.00	0.00
29	4/4/2026	93	9,991.0	6,019.0	6,294.0	545,900.0	10,370.00	0.00
30	4/4/2026	97	10,479.0	5,144.0	6,404.0	540,054.0	12,449.00	0.00
31	4/5/2026	99	10,794.0	7,000.0	6,546.0	525,029.0	10,720.00	0.00
32	4/6/2026	94	10,171.0	4,796.0	6,162.0	548,054.0	13,973.00	0.00
33	4/6/2026	96	10,073.0	7,318.0	5,696.0	539,880.0	10,809.00	0.00
34	4/7/2026	96	9,768.0	4,902.0	5,944.0	521,897.0	10,319.00	0.00
35	4/7/2026	98	9,925.0	5,949.0	5,595.0	538,406.0	9,951.00	0.00
36	4/8/2026	96	9,669.0	6,024.0	5,736.0	540,054.0	11,247.00	0.00
37	4/8/2026	101	10,036.0	4,573.0	6,467.0	539,400.0	10,271.00	0.00
38	4/9/2026	98	10,073.0	6,014.0	5,370.0	549,554.0	8,947.00	0.00
39	4/9/2026	97	10,117.0	5,457.0	5,420.0	545,446.0	9,824.00	0.00
40	4/10/2026	98	10,124.0	6,481.0	6,595.0	555,294.0	9,011.00	0.00
41	4/10/2026	93	9,686.0	6,226.0	6,397.0	550,285.0	10,026.00	0.00
42	4/11/2026	99	9,744.0	7,090.0	6,127.0	543,474.0	9,666.00	0.00
43	4/11/2026	97	9,824.0	7,393.0	5,954.0	542,638.0	9,665.00	0.00
44	4/12/2026	97	9,599.0	6,673.0	5,772.0	542,260.0	9,755.00	0.00
45	4/12/2026	96	9,134.0	6,441.0	6,400.0	538,542.0	10,455.00	0.00
46	4/12/2026	98	9,659.0	6,070.0	6,146.0	547,700.0	9,778.00	0.00
47	4/13/2026	96	9,424.0	6,598.0	6,066.0	543,398.0	9,643.00	0.00
48	4/13/2026	98	9,342.0	4,073.0	5,569.0	539,020.0	9,670.00	0.00
49	4/14/2026	99	9,549.0	7,035.0	5,974.0	533,960.0	9,671.00	0.00
50	4/14/2026	98	9,371.0	6,329.0	5,197.0	540,206.0	9,742.00	0.00
51	4/14/2026	93	8,891.0	4,820.0	5,881.0	539,680.0	10,277.00	0.00
52	4/15/2026	100	9,187.0	4,609.0	5,796.0	540,396.0	9,735.00	0.00
53	4/15/2026	97	8,852.0	4,613.0	5,458.0	538,876.0	9,815.00	0.00
54	4/16/2026	101	9,205.0	6,452.0	5,265.0	529,921.0	10,255.00	0.00
55	4/16/2026	94	8,751.0	6,084.0	5,785.0	539,332.0	9,876.00	0.00
56	4/16/2026	100	9,069.0	4,736.0	5,654.0	545,600.0	9,851.00	0.00
57	4/17/2026	100	9,382.0	6,137.0	5,893.0	541,574.0	9,382.00	0.00
58	4/17/2026	93	9,209.0	6,834.0	5,688.0	493,716.0	9,297.00	0.00
59	4/18/2026	99	9,315.0	6,509.0	6,696.0	537,708.0	9,662.00	0.00
60	4/18/2026	95	9,199.0	5,930.0	5,928.0	540,400.0	9,462.00	0.00

08/21/2026

Stimulation Record Abbey South 4MH



Interval Number	End Date	Slurry Rate Avg (gpm)	P Treat Avg (psi)	P Breakdown (psi)	ISIP (psi)	Proppant Total (lb)	Vol Clean Total (bbl)	Vol N2 Total (bbl)
61	4/18/2026	97	8,996.0	6,822.0	5,845.0	542,825.0	9,155.00	0.00
62	4/19/2026	90	8,343.0	5,527.0	5,678.0	534,126.0	9,344.00	0.00
63	4/19/2026	90	8,331.0	2,844.0	5,820.0	540,054.0	9,289.00	0.00
64	4/20/2026	90	8,474.0	4,956.0	5,849.0	541,346.0	9,803.00	0.00
65	4/21/2026	98	9,292.0	6,328.0	5,399.0	539,486.0	9,476.00	0.00
66	4/21/2026	100	9,075.0	4,922.0	6,023.0	540,814.0	9,032.00	0.00
67	4/21/2026	97	8,657.0	5,827.0	6,373.0	539,700.0	9,448.00	0.00
68	4/22/2026	99	8,917.0	6,699.0	6,396.0	540,471.0	9,377.00	0.00
69	4/22/2026	101	8,890.0	5,160.0	5,886.0	539,260.0	9,321.00	0.00
70	4/22/2026	93	8,227.0	6,447.0	6,136.0	537,496.0	9,260.00	0.00
71	4/23/2026	94	8,178.0	4,854.0	5,903.0	532,650.0	8,975.00	0.00
72	4/23/2026	93	8,090.0	6,300.0	5,850.0	537,174.0	9,261.00	0.00
73	4/24/2026	99	8,717.0	6,265.0	5,820.0	540,054.0	9,266.00	0.00
74	4/24/2026	96	8,754.0	5,184.0	6,402.0	512,430.0	8,931.00	0.00
75	4/24/2026	86	8,465.0	9,972.0	6,231.0	512,472.0	9,038.00	0.00
76	4/25/2026	94	8,494.0	4,807.0	5,883.0	543,470.0	9,537.00	0.00
77	4/25/2026	100	8,638.0	2,939.0	5,760.0	540,054.0	9,196.00	0.00
78	4/26/2026	100	8,581.0	5,167.0	5,710.0	540,090.0	9,057.00	0.00
79	4/26/2026	99	8,586.0	4,682.0	5,768.0	511,900.0	8,644.00	0.00
80	4/26/2026	100	8,420.0	6,486.0	5,988.0	540,054.0	9,243.00	0.00
81	4/27/2026	100	8,378.0	6,293.0	6,215.0	541,120.0	8,889.00	0.00
82	4/27/2026	100	8,464.0	6,546.0	4,938.0	540,054.0	9,037.00	0.00
83	4/28/2026	95	7,846.0	6,624.0	5,823.0	542,080.0	9,056.00	0.00
84	4/28/2026	99	8,236.0	5,812.0	5,977.0	539,040.0	8,859.00	0.00
85	4/29/2026	100	8,431.0	6,265.0	5,600.0	540,054.0	9,253.00	0.00
86	4/29/2026	92	7,638.0	6,481.0	5,736.0	537,240.0	9,741.00	0.00
87	4/29/2026	94	8,006.0	7,175.0	6,007.0	540,738.0	8,865.00	0.00
88	4/30/2026	96	8,198.0	6,763.0	5,852.0	536,334.0	8,929.00	0.00
89	4/30/2026	100	8,274.0	5,126.0	5,780.0	537,800.0	8,872.00	0.00
90	4/30/2026	100	8,336.0	5,338.0	6,010.0	543,854.0	8,790.00	0.00
91	5/1/2026	98	8,115.0	6,708.0	5,363.0	539,460.0	8,667.00	0.00
92	5/1/2026	100	8,104.0	4,865.0	5,546.0	524,974.0	8,883.00	0.00
93	5/2/2026	100	8,088.0	6,748.0	6,090.0	541,180.0	8,604.00	0.00
94	5/2/2026	99	8,276.0	5,220.0	5,816.0	0.0	0.00	0.00
95	5/3/2026	97	8,259.0	5,628.0	6,027.0	541,194.0	8,704.00	0.00
96	5/3/2026	100	8,409.0	6,968.0	5,738.0	548,815.0	8,629.00	0.00
97	5/3/2026	101	8,089.0	5,403.0	5,126.0	541,194.0	8,608.00	0.00

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08/21/2026

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	7,232.8'	TVD 7,383'

GAS TEST			☐ Build up	☐ Drawdown	☒ Open Flow	OIL TEST			☐ Flow	☐ Pump		
SHUT-IN PRESSURE		Surface	<u>2815</u>		psi	Bottom Hole	<u> </u>		psi	DURATION OF TEST	<u>24</u>	hrs
OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY			
	16,064	mcfpd		bpd		bpd	1680	bpd	☐ Estimated	☒ Orifice	☐ Pilot	

[illegible]

WV Department of
Environmental Protection

Stimulating Company **NexTier**
Address **8200 I-20 E** City **Odessa** State **TX** Zip **79765**

Completed by Daniel Frick Telephone 713.703.0240
Signature Daniel O. Frick Title Director - EHS Regulatory Date _____

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry 08/21/2026

LITHOLOGY INFORMATION
Abbey South 4MH

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LITHOLOGY/ FORMATION	TOP DEPTH IN FT TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL GAS, H2S, ETC)
Allegheny Formation	160'	403.9'			
Pottsville Coal	403.9'	487.9'			
Second Salt Sand	487.9'	576.8'			
Third Salt Sand	576.8'	599.8'			
Coal	599.8'	777.7'			
Mauch Chunk	777.7'	1,147.5'			
Little Lime	1,147.5'	1,182.4'			
Big Lime	1,182.4'	1,279.4'			
Big Injun Sandstone	1,279.4'	1,379.3'			
Weir	1,379.3'	1,542.3'			
Coffee Shale	1,542.3'	1,621.3'			
Berea Sandstone	1,621.3'	1,740.3'			
Fifty Foot Sandstone	1,740.3'	1,920.3'			
Thirty-Foot Sandstone	1,920.3'	2,031.3'			
Gordon Sandstone	2,031.3'	2,099.3'			
Fourth Sand Sandstone	2,099.3'	2,271.3'			
Fifth Sand Sandstone	2,271.3'	2,310.3'			
Ohio Shale	2,310.3'	2,471.3'			
Elizabeth Siltstone	2,471.3'	2,561.3'			
Warren Siltstone	2,561.3'	2,857'			
Speechley Sandstone	2,857'	3,085.1'			
Balltown Siltstone	3,085.1'	3,446.1'			
Benson Sandstone	3,446.1'	6,481.9'			
Sycamore Grit Siltstone	6,481.9'	6,761.1'			
Middlesex Shale	6,761.1'	7,011'			
Burkett Shale	7,011'	7,052.7'			
Tully Limestone	7,052.7'	7,107.7'			
Hamilton Shale	7,107.7'	7,232.8'			
Marcellus Shale	7,232.8'	7,383'			
Onondaga					

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/21/2026
Job End Date:	05/03/2026
State:	West Virginia
County:	Harrison
API Number:	47-033-06046-00-00
Operator Name:	Diversified Production LLC
Well Name and Number:	Abbey South 4MH
Latitude:	39.373647
Longitude:	-80.201066
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7146
Total Base Water Volume (gal)*:	39781392
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	100.00%

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
15% HCl	Tarquin	Acid					
CIA-12	NexTier Completions Solutions	Acid corrosion inhibitor					
Fincide GQ 510	NexTier Completions Solutions	Biocide					
Fincide GQ 510 HF	NexTier Completions Solutions	Biocide					
Other Chemical(s)	Listed Above	See Trade Name(s)					
Proppant (Sand)	NexTier Completions Solutions	Propping Agent					
Scale Hib PE-18	NexTier Completions Solutions	Scale Inhibitor					
Scale Hib PE-18W	NexTier Completions	Scale Inhibitor					

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	Solutions						
ViscStim 25-AE-103	NexTier Completions Solutions	Friction Reducer					
Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.18267	
			Crystalline Silica, quartz	14808-60-7	100.00000	13.47352	
			Water	7732-18-5	85.00000	0.21400	
			Hydrochloric Acid	7647-01-0	15.00000	0.03776	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	20.00000	0.01503	
			Ammonium chloride	12125-02-9	5.00000	0.00376	
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00376	
			Water	7732-18-5	70.00000	0.00280	
			Ethanol	64-17-5	60.00000	0.00176	
			Diethylene glycol	111-46-6	30.00000	0.00166	
			WST-Scale Inhibitor-00014	Proprietary	30.00000	0.00166	
			WST-Scale Inhibitor-00014	Proprietary	30.00000	0.00120	
			Ethylene glycol	107-21-1	20.00000	0.00111	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	30.00000	0.00088	
			quaternary ammonium compounds, benzyl-C12-C16- alkyldimethyl, chlorides	68424-85-1	10.00000	0.00042	
			Glutaraldehyde	111-30-8	13.00000	0.00038	
			Glutaraldehyde	111-30-8	5.00000	0.00021	
			Ethylene glycol	107-21-1	45.00000	0.00011	
			Glycol Ether EB	111-76-2	45.00000	0.00011	
			Methanol	67-56-1	2.00000	0.00008	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00005	
			Tar bases,quinoline derivs.,benzyl chloride- quaternized	72480-70-7	20.00000	0.00005	RECEIVED Office of Oil and Gas
			Water	7732-18-5	15.00000	0.00004	JUL 24 2026
			Cinnamaldehyde	104-55-2	10.00000	0.00002	WV Department of Environmental Protection
			Nonylphenol ethoxylated	127087-87-0	10.00000	0.00002	
			Alcohols, C6-12	68603-15-6	10.00000	0.00002	

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

08/21/2026

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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08/21/2026

ABBEY SOUTH WELL 4MH - AS-DRILLED		
ID	SURFACE OWNER	DIST-TM-PAR
1	LONG RIDGE WEST VIRGINIA LLC	5-210-44.2
2	SANDRA LOU TAYLOR	P/O 3-6-16.1
3	SANDRA LOU TAYLOR	P/O 3-6-16.1
4	DAVID L. & ETHELYN VANGILDER	3-6-21.1
5	SANDRA LOU TAYLOR ET AL [LIFE]	3-6-21.2
6	ROBERT L. & KATHY L. MORRIS	3-6-21.4
7	CHARLES THOMAS & MILDRED C. LITTLE	3-6-20
8	JOHN R. LINNTHRS	3-6-41
9	ROGER L. & BESSIE JO PETERSON LIVING TRUST	3-6B-47.7
10	ADAM T. & NAOMI WEST	3-6B-47.4
11	SYS LLC	3-6B-47.65
12	ENERGY GLASS INC	3-6B-47
13	RUSTIN & TIFFANY AULT	3-6B-47.88
14	RUSTIN & TIFFANY AULT	3-6B-47.84
15	RUSTIN & TIFFANY AULT	3-6B-47.83
16	RUSTIN & TIFFANY AULT	3-6B-47.82
17	GERALD L. & HELEN R. GOODWIN	3-6B-47.87
18	GERALD L. & HELEN R. GOODWIN	3-6B-47.103
19	DAVID A. TENNANT & BEVERLY HUFFMAN	3-6B-47.19
20	LARRY D. HARBISON & CYNTHIA L. BYRD	3-6B-47.78
21	SANDRA L. HAYSLETTE	3-6B-47.74
22	LISA E. DIERKES & CHARLES S. CARPENTER	3-6B-47.72
23	RANDY G. BRINKMAN	3-6B-47.66
24	4-T ARENA INC.	3-13-2
25	4-T ARENA INC.	3-13-3
26	4-T ARENA INC.	3-13-4.3
27	4-T ARENA INC.	3-13-6

ABBEY SOUTH WELL 4MH - AS-DRILLED		
ID	SURFACE OWNER	DIST-TM-PAR
28	MARK V. SCHUMACHER	3-13-24
29	VICKI ANGOTTI	3-13-9.7
30	CARMEN R. ROMANO & MARY F. WILLIAMS-ROMANO	3-13-9.13
31	KEVIN L. & DEBRA MANNING	3-13-22
32	SCOTT E. & KASIE ANNE MCINTYRE	3-13-20
33	ADAM GROGG	3-13-19
34	WAYNE EDWARD & RALPH JAMES JR. WESTBROOK	3-13-18
35	EVAN & WHITNEY HELMS KLIETHERMES	3-13-17
36	EVAN M. KLIETHERMES	3-13-42
37	EVAN M. KLIETHERMES	3-14-17
38	JAMES K. ALFRED	3-14-21
39	JAMES E. & JENEANE B. MATTINGLY	3-14-22.2
40	BARBARA C. COMPTON	3-14-22
41	DAVID L. BOOTH	3-14-23.6
42	DEAN A. & KIMBERLY S. PARSONS	3-14-23.3
43	ROBIN O. FARIS	P/O 3-14-24
44	GARY M. & MELINDA M. SIMON	3-14-27.3
45	JOSEPH & STEPHANIE STARKEY	3-14-27.1

SEE PAGE 2 FOR LESSOR INFO
SEE PAGE 3 FOR PLAT DUE TO LENGTH OF LATERAL

THRASHER

THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

**AS-DRILLED
PLAT**



Diversified
Production LLC

FILE #: T70-11275 ABBEY WELL PAD
DRAWING #: ABBEY SOUTH 4MH-AD
SCALE: 1" = 2,000'
DATE: MARCH 13, 2026

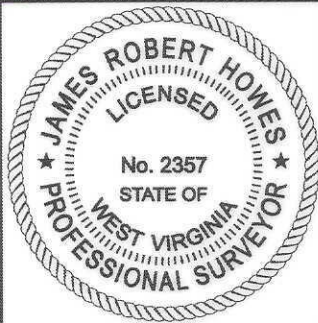
MINIMUM DEGREE
OF ACCURACY: 1/2500
PROVEN SOURCE SURVEY GRADE GPS
OF ELEVATION: (NAVD 88, US FT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT
IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND
SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE
REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT
OF ENVIRONMENTAL PROTECTION.

SIGNED: _____

R.P.E.: _____

L.L.S.: P.S. No. 2357



(+) DENOTES LOCATION OF WELL ON
UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS 601
57TH STREET
CHARLESTON, WV 25304

OPERATOR'S WELL #: ABBEY SOUTH 4MH-AD

API WELL #: 47 33 06046
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☐ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☒
WATERSHED: WEST FORK ELEVATION: 996.00'±
COUNTY/DISTRICT: HARRISON / CLAY-OUTSIDE QUADRANGLE: ROSEMONT, WV 7.5'
SURFACE OWNER: LONG RIDGE WEST VIRGINIA LLC ACREAGE: 6.77±
OIL & GAS ROYALTY OWNER: WILLOW CREEK MHV, LLC ACREAGE: 6.77± 08/21/2026
DRILL ☒ DRILL DEEPER ☐ REDRILL ☐ FRACTURE OR STIMULATE ☒ PLUG OFF OLD FORMATION ☐
CONVERT ☐ PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ PERFORATE NEW FORMATION ☐
OTHER CHANGE ☐ (SPECIFY): _____
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: (LATERAL) TVD: 7,359'± TMD: 26,952'±

WELL OPERATOR: DIVERSIFIED PRODUCTION, LLC DESIGNATED AGENT: CHRIS VEASEY
ADDRESS: 101 MCQUISTON DRIVE ADDRESS: 400 SUMMER STREET
CITY: JACKSON CENTER STATE: PA ZIP CODE: 16133 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

ABBEY SOUTH WELL 4MH - AS-DRILLED			
ID	LEASE NUMBER	LESSOR	LEASE ACREAGE
A	101269000	WILLOW CREEK MHV	6.77
B	101282000, 101283000, 101272000, 101084000, 101066000, 101284000 101271000, 101285000	SANDRA FAYE STACKHOUSE ET AL	4.39
C	101296000, 101297000, 101278000, 101277000, 101279000, 101298000	SONIA SUE WILT ET AL	30.17
C	101296000, 101297000, 101278000 101277000, 101279000, 101298000	SONIA SUE WILT ET AL	30.17
C	101296000, 101297000, 101278000 101277000, 101279000, 101298000	SONIA SUE WILT ET AL	30.17
C	101296000, 101297000, 101278000, 101277000, 101279000, 101298000	SONIA SUE WILT ET AL	30.17
D	BP071106	K.H. LITTE	28.00
E	BP071105	M.F. LINN	25.00
F	BP070955	W.F. WHITE	148.00
G	BP055201, BP058765, BP060623, BP067019, BP067268	H.J. BIFFEE ET AL	144.00
H	BP070364	J.C. NUZUM	109.00
I	BP044943	G E CORDER ET AL	208.00
J	BP048028	VIONIA HERTZOG	108.00
K	BP066958	H.W. DENT	18.00
L	BP067344	DRAYTON E. MARSH ET AL	20.00
M	BP067466	CORA ALICE WESTBROOK ET AL	13.00
N	BP067174	L.R. DAVIS	53.00
O	BP049762	CHARLES H. PAYNE	100.25
P	BP066982, BP066983	LLOYD SAIVRES	88.00
Q	BP024535	HELEN COCHRAN ET AL	270.00

SEE PAGE 1 FOR SURFACE OWNER INFO
SEE PAGE 3 FOR PLAT DUE TO LENGTH OF LATERAL

THRASHER

THE THRASHER GROUP, INC.
600 WHITE OAKS BLVD.
BRIDGEPORT, WV 26330
PHONE 304-624-4108

**AS-DRILLED
PLAT**



Diversified
Production LLC

FILE #: T70-11275 ABBEY WELL PAD
DRAWING #: ABBEY SOUTH 4MH-AD
SCALE: 1" = 2,000'
DATE: MARCH 13, 2026

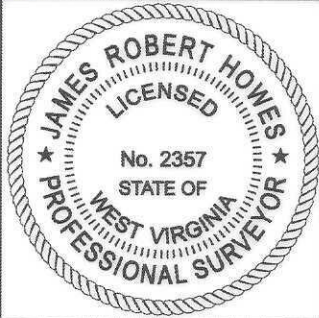
MINIMUM DEGREE
OF ACCURACY: 1/2500
PROVEN SOURCE SURVEY GRADE GPS
OF ELEVATION: (NAVD 88, US FT)

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SIGNED: _____

R.P.E.: _____

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API WELL #: 47 33 06046
STATE COUNTY PERMIT

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WATERSHED: WEST FORK ELEVATION: 996.00'±
COUNTY/DISTRICT: HARRISON / CLAY-OUTSIDE QUADRANGLE: ROSEMONT, WV 7.5'
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CONVERT ☐ PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ PERFORATE NEW FORMATION ☐
OTHER CHANGE ☐ (SPECIFY): _____
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: (LATERAL) TVD: 7,359'± TMD: 26,952'±

WELL OPERATOR: DIVERSIFIED PRODUCTION, LLC DESIGNATED AGENT: CHRIS VEASEY
ADDRESS: 101 MCQUISTON DRIVE ADDRESS: 400 SUMMER STREET
CITY: JACKSON CENTER STATE: PA ZIP CODE: 16133 CITY: CHARLESTON STATE: WV ZIP CODE: 25301

BHL is located on topo map 3,845 feet south of Latitude: 39° 20' 00"
SHL is located on topo map 417 feet south of Latitude: 39° 22' 30"

ABBHEY SOUTH 4MH

API WELL# 47-033-06046

PAGE 3 OF 3

WELL PAD
ORIENTATION
DETAIL
NTS



WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
5. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS.
6. SUBSURFACE BORE PATH COORDINATES WERE PROVIDED BY OTHERS AND NOT DESIGNED BY THE THRASHER GROUP, INC.

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
4. ALL STREAMS AND ROADS DEPICTED HEREON ARE FROM DATA PROVIDED BY OTHERS.
5. ALL EXISTING GAS WELL INFORMATION DEPICTED HEREON ARE FROM THE WV DEP WEBSITE. (DEP.WV.GOV)

LINE	BEARING	DISTANCE
L1	S 71°26'49" W	211.00'
L2	N 55°31'34" E	514.90'
L3	N 24°27'47" E	554.26'
L4	N 35°08'35" W	175.10'

SURFACE HOLE LOCATION (SHL) - AS-DRILLED

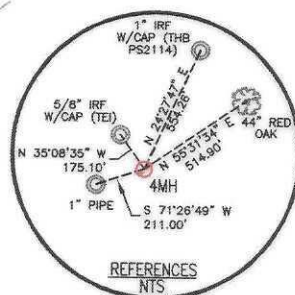
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)
NORTHING: 4358548.589	NORTHING: 318986.775
EASTING: 568819.810	EASTING: 1770328.270

LANDING POINT LOCATION (LPL) - AS-DRILLED

UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)
NORTHING: 4358439.970	NORTHING: 318616.580
EASTING: 569072.044	EASTING: 1771350.000

BOTTOM HOLE LOCATION (BHL) - AS-DRILLED

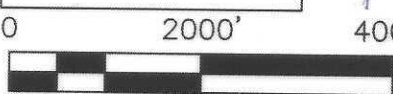
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)
NORTHING: 4352916.195	NORTHING: 300381.570
EASTING: 571079.368	EASTING: 1777435.000



AS-DRILLED PLAT

LEGEND

- TOPO MAP POINT
- SURFACE HOLE / BOTTOM HOLE
- LANDING POINT
- LOCATION / TURNING POINT
- EXISTING GAS WELLS
- PERMITTED GAS WELLS
- PLUGGED GAS WELLS
- ABANDONED GAS WELLS
- REFERENCE POINT
- LEASE BOUNDARY
- SURVEYED PARCEL
- ADJOINER PARCEL
- COUNTY LINE
- LESSORS
- SURFACE OWNERS
- AS-DRILLED WELL PATH
- ROAD CENTER LINE
- STREAM CENTER LINE



THRASHER

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Diversified
Production LLC

SEE PAGE 1 FOR SURFACE OWNERS
SEE PAGE 2 FOR LESSOR INFO