

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

API 47 - 033 - 06048 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 8MH
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 4358554.976 Easting 568826.350
Landing Point of Curve Northing 4358711.900 Easting 569814.768
Bottom Hole Northing 4353785.397 Easting 571625.033

Elevation (ft) 996.09' 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: 12/26/2024, big rig: 12/3/2025 Date drilling ceased 2/18/2026
Date completion activities began 3/22/2026 Date completion activities ceased 5/6/2026
Verbal plugging (Y/N) N Date permission granted n/a Granted by n/a

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

Freshwater depth(s) ft 160' Open mine(s) (Y/N) depths N
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

Reviewed by:
Jay Ramot
08/28/2026
8-13-2026

API 47- 033 - 06048 Farm name Long Ridge West Virginia LLC Well number Abbey South 8MH

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"	459'	NEW	H-40		N
Coal							
Intermediate 1	12 1/4"	9 5/8"	2,495'	NEW	J-55		N
Intermediate 2							
Intermediate 3							
Production	8 1/2"	5 1/2"	26,050'	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	15.6	1.18	35.5	0	8
Surface	A	466	15.6	1.19	99	0	8
Coal							
Intermediate 1	A	977	15.6	1.19	207	0	8
Intermediate 2							
Intermediate 3							
Production	A	4,529	14.8/15.2	1.34/1.26	203/826	0	8
Tubing							

Drillers TD (ft) 26,081' Loggers TD (ft) 26,056'

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

Plug back procedure n/a

Kick off depth (ft) 7,870'

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

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS _____

APR 24 2026

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

WV Department of
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08/28/2026

Farm name Long Ridge West Virginia LLC Well number Abbey South 8MH

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
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[illegible]

Please insert additional pages as applicable.

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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08/28/2026

Perforation Record Abbey South 8MH



Int #	Date	Minimum of Top (ftKB)	Maximum of Btm (ftKB)	Sum of Calculated Shot Total	Target Form
1		25,975.0	26,022.0	30	
2	3/22/2026 11:05	25,780.0	25,943.0	42	
3	3/26/2026 22:19	25,590.0	25,753.0	42	
4	3/27/2026 14:30	25,400.0	25,563.0	42	
5	3/28/2026 00:55	25,210.0	25,373.0	42	
6	3/28/2026 13:05	25,020.0	25,183.0	42	
7	3/29/2026 01:49	24,830.0	24,993.0	42	
8	3/29/2026 10:50	24,640.0	24,803.0	42	
9	3/29/2026 22:03	24,450.0	24,613.0	42	
10	3/30/2026 10:05	24,260.0	24,423.0	42	
11	3/30/2026 22:10	24,070.0	24,233.0	42	
12	3/31/2026 10:10	23,880.0	24,043.0	42	
13	3/31/2026 19:30	23,690.0	23,853.0	42	
14	4/1/2026 05:25	23,500.0	23,663.0	42	
15	4/1/2026 16:10	23,310.0	23,474.0	42	
16	4/2/2026 06:52	23,120.0	23,283.0	42	
17	4/2/2026 17:38	22,930.0	23,093.0	42	
18	4/3/2026 04:12	22,740.0	22,903.0	42	
19	4/3/2026 12:36	22,550.0	22,713.0	42	
20	4/3/2026 23:34	22,360.0	22,523.0	42	
21	4/4/2026 10:25	22,170.0	22,333.0	42	
22	4/5/2026 09:45	21,980.0	22,143.0	42	
23	4/5/2026 19:55	21,790.0	21,953.0	42	
24	4/6/2026 16:05	21,600.0	21,763.0	42	
25	4/7/2026 03:05	21,410.0	21,573.0	42	
26	4/7/2026 13:56	21,220.0	21,383.0	42	
27	4/8/2026 04:38	21,030.0	21,193.0	42	
28	4/8/2026 18:18	20,840.0	21,003.0	42	
29	4/9/2026 03:58	20,650.0	20,813.0	42	
30	4/9/2026 16:26	20,461.0	20,623.0	42	
31	4/10/2026 06:45	20,270.0	20,433.0	42	
32	4/10/2026 20:53	20,080.0	20,243.0	42	
33	4/11/2026 04:48	19,891.0	20,053.0	42	
34	4/11/2026 14:05	19,700.0	19,863.0	42	
35	4/11/2026 23:09	19,510.0	19,673.0	42	
36	4/12/2026 11:10	19,320.0	19,483.0	42	
37	4/12/2026 20:09	19,130.0	19,293.0	42	
38	4/13/2026 03:43	18,940.0	19,103.0	42	
39	4/13/2026 17:35	18,750.0	18,913.0	42	
40	4/14/2026 00:54	18,560.0	18,723.0	42	
41	4/14/2026 09:03	18,371.0	18,533.0	42	
42	4/14/2026 19:35	18,180.0	18,343.0	42	
43	4/15/2026 05:30	17,990.0	18,153.0	42	
44	4/15/2026 14:37	17,800.0	17,963.0	42	
45	4/15/2026 23:14	17,610.0	17,773.0	42	
46	4/16/2026 07:45	17,421.0	17,583.0	42	
47	4/16/2026 18:43	17,230.0	17,393.0	42	
48	4/17/2026 03:56	17,040.0	17,203.0	42	
49	4/17/2026 13:37	16,851.0	17,013.0	42	
50	4/17/2026 21:58	16,660.0	16,823.0	42	
51	4/18/2026 08:20	16,470.0	16,633.0	42	
52	4/18/2026 17:53	16,280.0	16,443.0	42	
53	4/19/2026 05:48	16,090.0	16,253.0	42	
54	4/19/2026 15:10	15,900.0	16,064.0	42	
55	4/20/2026 13:16	15,710.0	15,873.0	42	
56	4/21/2026 02:14	15,521.0	15,683.0	42	
57	4/21/2026 09:18	15,330.0	15,493.0	42	
58	4/21/2026 17:40	15,140.0	15,303.0	42	
59	4/22/2026 02:30	14,950.0	15,113.0	42	
60	4/22/2026 11:49	14,760.0	14,923.0	42	

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Perforation Record Abbey South 8MH



Int #	Date	Minimum of Top (ftKB)	Maximum of Btm (ftKB)	Sum of Calculated Shot Total	Target Form
61	4/22/2026 20:20	14,570.0	14,733.0	42	
62	4/23/2026 05:45	14,380.0	14,543.0	42	
63	4/23/2026 14:06	14,190.0	14,353.0	42	
64	4/23/2026 23:16	14,000.0	14,163.0	42	
65	4/24/2026 08:05	13,810.0	13,973.0	42	
66	4/24/2026 17:03	13,620.0	13,783.0	42	
67	4/25/2026 04:15	13,430.0	13,593.0	42	
68	4/25/2026 16:15	13,240.0	13,403.0	42	
69	4/26/2026 02:05	13,050.0	13,213.0	42	
70	4/26/2026 11:30	12,860.0	13,023.0	42	
71	4/26/2026 20:15	12,671.0	12,833.0	42	
72	4/27/2026 04:15	12,481.0	12,643.0	42	
73	4/27/2026 14:36	12,291.0	12,453.0	42	
74	4/28/2026 02:05	12,100.0	12,263.0	42	
75	4/28/2026 12:50	11,910.0	12,073.0	42	
76	4/28/2026 21:03	11,720.0	11,883.0	42	
77	4/29/2026 06:23	11,530.0	11,693.0	42	
78	4/29/2026 17:30	11,340.0	11,503.0	42	
79	4/30/2026 01:57	11,150.0	11,313.0	42	
80	4/30/2026 11:20	10,960.0	11,123.0	42	
81	4/30/2026 19:30	10,770.0	10,933.0	42	
82	5/1/2026 07:41	10,580.0	10,743.0	42	
83	5/1/2026 17:04	10,390.0	10,553.0	42	
84	5/2/2026 00:28	10,200.0	10,363.0	42	
85	5/2/2026 15:12	10,010.0	10,173.0	42	
86	5/2/2026 23:58	9,820.0	9,983.0	42	
87	5/3/2026 09:09	9,630.0	9,793.0	42	
88	5/3/2026 17:14	9,440.0	9,603.0	42	
89	5/4/2026 03:16	9,250.0	9,413.0	42	
90	5/5/2026 19:00	9,060.0	9,223.0	42	
91	5/6/2026 02:43	8,870.0	9,033.0	42	
92	5/6/2026 09:36	8,680.0	8,843.0	42	

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08/28/2026

Stimulation Record Abbey South 8MH



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	3/22/2026	86	10,927.0	2,443.0	5,211.0	160,000.0	5,442.00	0.00
2	3/26/2026	87	10,520.0	7,102.0	6,600.0	572,565.0	10,829.00	0.00
3	3/27/2026	90	11,053.0	5,592.0	6,537.0	570,954.0	11,155.00	0.00
4	3/27/2026	95	11,373.0	6,348.0	6,508.0	581,498.0	10,505.00	0.00
5	3/28/2026	89	10,900.0	5,775.0	6,303.0	569,210.0	11,106.00	0.00
6	3/28/2026	96	11,128.0	8,746.0	6,215.0	569,338.0	10,560.00	0.00
7	3/29/2026	99	11,350.0	5,297.0	6,495.0	570,860.0	11,053.00	0.00
8	3/29/2026	99	11,200.0	8,029.0	6,119.0	555,299.0	10,643.00	0.00
9	3/30/2026	99	11,353.0	7,285.0	7,090.0	572,179.0	10,919.00	0.00
10	3/30/2026	96	11,034.0	7,218.0	6,203.0	573,100.0	10,525.00	0.00
11	3/31/2026	97	10,792.0	7,016.0	6,890.0	575,061.0	10,563.00	0.00
12	3/31/2026	99	10,759.0	6,944.0	5,679.0	570,320.0	10,879.00	0.00
13	4/1/2026	82	9,213.0	8,489.0	5,994.0	514,580.0	9,358.00	0.00
14	4/1/2026	93	10,162.0	6,011.0	6,160.0	569,810.0	11,065.00	0.00
15	4/2/2026	98	10,159.0	4,970.0	5,024.0	573,840.0	10,867.00	0.00
16	4/2/2026	92	9,955.0	5,731.0	6,213.0	572,196.0	10,931.00	0.00
17	4/3/2026	95	10,487.0	5,791.0	6,179.0	568,840.0	10,834.00	0.00
18	4/3/2026	100	10,953.0	7,802.0	5,696.0	560,859.0	11,309.00	0.00
19	4/3/2026	95	10,323.0	5,626.0	5,933.0	570,740.0	10,825.00	0.00
20	4/4/2026	100	10,853.0	6,632.0	6,730.0	570,057.0	11,078.00	0.00
21	4/5/2026	100	10,714.0	5,274.0	6,402.0	570,057.0	10,879.00	0.00
22	4/5/2026	100	10,742.0	6,477.0	6,231.0	506,825.0	9,937.00	0.00
23	4/6/2026	95	10,483.0	6,934.0	6,177.0	570,057.0	11,619.00	0.00
24	4/7/2026	100	10,705.0	5,780.0	5,549.0	571,820.0	11,606.00	0.00
25	4/7/2026	95	9,985.0	6,437.0	5,269.0	569,296.0	10,961.00	0.00
26	4/8/2026	91	9,846.0	5,753.0	6,257.0	577,257.0	10,390.00	0.00
27	4/8/2026	99	10,529.0	5,633.0	5,987.0	569,297.0	12,250.00	0.00
28	4/9/2026	100	10,540.0	5,985.0	6,485.0	573,700.0	10,241.00	0.00
29	4/9/2026	99	10,406.0	6,416.0	6,323.0	570,061.0	11,687.00	0.00
30	4/10/2026	100	10,490.0	5,850.0	5,880.0	583,241.0	10,953.00	0.00
31	4/10/2026	93	9,768.0	7,244.0	6,351.0	573,700.0	10,463.00	0.00
32	4/11/2026	91	8,947.0	6,305.0	5,667.0	566,219.0	10,298.00	0.00
33	4/11/2026	97	10,103.0	5,910.0	6,399.0	589,897.0	9,978.00	0.00
34	4/11/2026	93	9,567.0	6,764.0	6,275.0	571,760.0	10,381.00	0.00
35	4/12/2026	95	9,876.0	7,049.0	6,130.0	573,971.0	10,583.00	0.00
36	4/12/2026	89	9,269.0	6,968.0	6,049.0	566,540.0	10,290.00	0.00
37	4/13/2026	95	9,482.0	6,306.0	5,907.0	572,360.0	10,287.00	0.00
38	4/13/2026	98	9,762.0	4,747.0	5,714.0	571,805.0	10,325.00	0.00
39	4/13/2026	96	9,532.0	5,465.0	5,432.0	569,540.0	10,224.00	0.00
40	4/14/2026	100	9,405.0	6,779.0	5,691.0	573,553.0	10,126.00	0.00
41	4/14/2026	99	9,459.0	4,922.0	6,100.0	570,680.0	10,266.00	0.00
42	4/15/2026	100	9,799.0	6,438.0	5,484.0	572,080.0	10,675.00	0.00
43	4/15/2026	92	9,335.0	5,945.0	6,476.0	569,297.0	10,197.00	0.00
44	4/15/2026	97	9,401.0	5,201.0	5,553.0	558,175.0	10,301.00	0.00
45	4/16/2026	100	9,531.0	6,708.0	5,681.0	600,958.0	10,366.00	0.00
46	4/16/2026	92	9,430.0	4,757.0	4,933.0	569,639.0	10,203.00	0.00
47	4/17/2026	100	9,483.0	6,672.0	6,583.0	577,175.0	9,951.00	0.00
48	4/17/2026	96	9,367.0	5,877.0	5,926.0	574,882.0	10,299.00	0.00
49	4/17/2026	100	9,589.0	6,497.0	6,471.0	603,300.0	10,104.00	0.00
50	4/18/2026	100	9,624.0	6,140.0	6,096.0	570,057.0	10,285.00	0.00
51	4/18/2026	84	8,658.0	5,171.0	5,769.0	572,412.0	9,750.00	0.00
52	4/19/2026	93	8,844.0	6,369.0	6,157.0	575,323.0	9,975.00	0.00
53	4/19/2026	90	8,666.0	6,441.0	5,847.0	573,249.0	9,353.00	0.00
54	4/19/2026	90	8,851.0	6,375.0	6,313.0	574,434.0	9,837.00	0.00
55	4/20/2026	97	9,629.0	6,267.0	5,480.0	558,386.0	10,193.00	0.00
56	4/21/2026	100	9,319.0	4,881.0	5,892.0	570,361.0	9,821.00	0.00
57	4/21/2026	97	9,286.0	6,695.0	5,748.0	570,171.0	9,732.00	0.00
58	4/22/2026	99	9,117.0	5,907.0	6,536.0	571,384.0	10,107.00	0.00
59	4/22/2026	95	8,920.0	4,844.0	5,838.0	567,944.0	9,740.00	0.00
60	4/22/2026	100	9,018.0	5,750.0	6,242.0	570,946.0	9,862.00	0.00

08/28/2026

Stimulation Record Abbey South 8MH



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	4/23/2026	99	8,997.0	6,241.0	6,133.0	570,057.0	9,861.00	0.00
62	4/23/2026	93	8,661.0	4,329.0	5,538.0	569,920.0	9,610.00	0.00
63	4/23/2026	96	8,743.0	6,366.0	5,690.0	573,411.0	9,686.00	0.00
64	4/24/2026	89	8,790.0	4,609.0	6,004.0	598,308.0	9,889.00	0.00
65	4/24/2026	97	8,963.0	5,100.0	6,422.0	515,161.0	9,014.00	0.00
66	4/25/2026	96	8,785.0	4,722.0	6,340.0	513,050.0	8,710.00	0.00
67	4/25/2026	94	8,834.0	5,162.0	5,728.0	570,671.0	9,760.00	0.00
68	4/26/2026	94	8,933.0	4,533.0	6,502.0	560,938.0	10,213.00	0.00
69	4/26/2026	94	8,800.0	4,919.0	6,035.0	572,390.0	9,472.00	0.00
70	4/26/2026	99	8,678.0	4,690.0	6,039.0	573,746.0	9,936.00	0.00
71	4/27/2026	100	8,732.0	5,851.0	5,695.0	570,261.0	9,518.00	0.00
72	4/27/2026	100	8,808.0	6,665.0	5,259.0	572,030.0	9,458.00	0.00
73	4/28/2026	100	8,592.0	6,075.0	6,014.0	570,057.0	9,395.00	0.00
74	4/28/2026	100	8,691.0	6,152.0	6,438.0	574,940.0	9,418.00	0.00
75	4/28/2026	98	8,611.0	6,549.0	6,460.0	571,150.0	9,695.00	0.00
76	4/29/2026	100	8,747.0	6,366.0	5,786.0	568,298.0	9,994.00	0.00
77	4/29/2026	96	8,565.0	6,838.0	6,320.0	570,600.0	8,959.00	0.00
78	4/30/2026	92	8,214.0	6,488.0	6,014.0	570,437.0	9,297.00	0.00
79	4/30/2026	99	8,540.0	6,536.0	6,212.0	568,060.0	9,318.00	0.00
80	4/30/2026	100	8,604.0	4,504.0	6,048.0	576,517.0	9,218.00	0.00
81	5/1/2026	98	8,587.0	5,189.0	6,142.0	571,520.0	9,895.00	0.00
82	5/1/2026	99	8,875.0	6,432.0	5,824.0	575,000.0	9,297.00	0.00
83	5/1/2026	100	8,825.0	4,774.0	6,325.0	563,597.0	9,249.00	0.00
84	5/2/2026	100	8,775.0	7,653.0	6,227.0	567,720.0	9,099.00	0.00
85	5/2/2026	100	8,524.0	5,342.0	6,317.0	570,133.0	9,261.00	0.00
86	5/3/2026	100	8,392.0	6,847.0	5,757.0	569,698.0	9,072.00	0.00
87	5/3/2026	100	8,322.0	6,502.0	6,153.0	570,940.0	9,318.00	0.00
88	5/4/2026	93	8,280.0	4,962.0	5,985.0	571,197.0	9,317.00	0.00
89	5/5/2026	89	7,858.0	5,668.0	5,817.0	574,376.0	9,157.00	0.00
90	5/6/2026	100	8,356.0	5,728.0	5,732.0	569,677.0	9,238.00	0.00
91	5/6/2026	97	8,482.0	6,583.0	5,540.0	574,898.0	9,519.00	0.00
92	5/6/2026	100	7,995.0	6,451.0	4,753.0	579,573.0	9,444.00	0.00

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[illegible][illegible]

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LITHOLOGY INFORMATION

Abbey South 8MH



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 FLUD (FRESHWATER, BRINE, OIL GAS, H2S, ETC)
Allegheny Formation	151'	409.8'			
Pottsville Coal	409.8'	521.6'			
Second Salt Sand	521.6'	579.5'			
Third Salt Sand	579.5'	782.3'			
Mauch Chunk	782.3'	1,145'			
Little Lime	1,145'	1,184'			
Big Lime	1,184'	1,280'			
Big Injun Sandstone	1,280'	1,386'			
Weir	1,386'	1,544'			
Coffee Shale	1,544'	1,621'			
Berea Sandstone	1,621'	1,738.9'			
Fifty Foot Sandstone	1,738.9'	1,924.9'			
Thirty-Foot Sandstone	1,924.9'	2,044.9'			
Gordon Sandstone	2,044.9'	2,138.8'			
Fourth Sand Sandstone	2,138.8'	2,271.8'			
Fifth Sand Sandstone	2,271.8'	2,310.8'			
Ohio Shale	2,310.8'	2,450.8'			
Elizabeth Siltstone	2,450.8'	2,560.8'			
Warren Siltstone	2,560.8'	2,856.4'			
Speechley Sandstone	2,856.4'	3,192.2'			
Balltown Siltstone	3,192.2'	3,462.6'			
Benson Sandstone	3,462.6'	6,475'			
Sycamore Grit Siltstone	6,475'	6,777.1'			
Middlesex Shale	6,777.1'	6,954.2'			
Burkett Shale	6,954.2'	7,019.6'			
Tully Limestone	7,019.6'	7,072.3'			
Hamilton Shale	7,072.3'	7,192.9'			
Marcellus Shale	7,192.9'	8,347'			

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/22/2026
Job End Date:	05/06/2026
State:	West Virginia
County:	Harrison
API Number:	47-033-06048-00-00
Operator Name:	Diversified Production LLC
Well Name and Number:	Abbey South 8MH
Latitude:	39.373732
Longitude:	-80.200951
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7127
Total Base Water Volume (gal)*:	39109350
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	85.92752	
			Crystalline Silica, quartz	14808-60-7	100.00000	13.75182	
			Water	7732-18-5	85.00000	0.19567	
			Hydrochloric Acid	7647-01-0	15.00000	0.03453	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	20.00000	0.01476	
			Ammonium chloride	12125-02-9	5.00000	0.00369	
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00369	
			Water	7732-18-5	70.00000	0.00324	
			Diethylene glycol	111-46-6	30.00000	0.00144	
			WST-Scale Inhibitor-00014	Proprietary	30.00000	0.00144	
			WST-Scale Inhibitor-00014	Proprietary	30.00000	0.00139	
			Ethanol	64-17-5	60.00000	0.00121	
			Ethylene glycol	107-21-1	20.00000	0.00096	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	30.00000	0.00060	
			quaternary ammonium compounds, benzyl-C12-C16- alkyldimethyl, chlorides	68424-85-1	10.00000	0.00050	
			Glutaraldehyde	111-30-8	13.00000	0.00026	
			Glutaraldehyde	111-30-8	5.00000	0.00025	
			Methanol	67-56-1	2.00000	0.00010	
			Ethylene glycol	107-21-1	45.00000	0.00010	
			Glycol Ether EB	111-76-2	45.00000	0.00010	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00004	
			Tar bases,quinoline derivs.,benzyl chloride- quaternized	72480-70-7	20.00000	0.00004	
			Water	7732-18-5	15.00000	0.00003	
			Cinnamaldehyde	104-55-2	10.00000	0.00002	
			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%

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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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08/28/2026

ABBEY SOUTH WELL 8MH - 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	DOREEN M. & LEONARD L. LARSON	3-6-13
4	CHARLES THOMAS & MILDRED C. LITTLE	3-6-12
5	TERRY D. & PATRICIA WYER	3-6-26.1
6	TERRY D. & PATRICIA WYER	3-6-26
7	BEVERLY SUE MARKS & SCOTT A. MARKS	3-6-26.2
8	DAVID & BARBARA PYBUS	3-6-37.2
9	ELTON O. JR. & CONSTANCE C. FITZPATRICK	3-6-37.3
10	ROBERT C. & DIANA L. BOYLE	3-6-36.2
11	ROBERT C. & DIANA L. BOYLE	3-6-36.1
12	ROBERT C. & DIANA L. BOYLE	3-6-53
13	THOMAS I. MCDANIEL, JR & KATHY L. MCDANIEL	3-6-38
14	JOHN DALE MAULLER	3-6-51.1
15	TIMOTHY B. MCDANIEL & KATHLEEN M. WITHAM	3-6-51.2
16	TRAVIS W. MCDANIEL & TIFFANY MOSSGROVE	3-6-51
17	MIA RAE GRESAK & AUSTIN MORRIS CAMERON	3-6-49.1
18	ERIK & STEPHANIE A. HURST	3-6-50
19	MARK V. SCHUMACHER	3-6-60
20	MARK V. SCHUMACHER	3-13-26
21	MARK V. SCHUMACHER	3-13-27
22	JAMES MARK & BARBARA KAY FERGUSON	3-13-34.1
23	JOSEPH BLAINE FERGUSON	3-13-34
24	DEBORAH C. TENDA & TIMOTHY M. BOES	3-13-32.2
25	CARL LEE WARNER	3-13-36.2
26	MIKE ROSS INC	P/O 3-13-37.1
27	SELBY R. & ROSEMARY B. WOODS	3-13-36.3

ABBEY SOUTH WELL 8MH - AS-DRILLED		
ID	SURFACE OWNER	DIST-TM-PAR
28	DAWN L. HECK	3-13-37.2
29	KEITH J. & JANE L. HADDIX	3-13-37.5
30	BRETT A. SCHROCK	P/O 3-13-39
31	EVAN & WHITNEY HELMS KLIETHERMES	3-13-41
32	EVEN M. & WHITNEY M. KLIETHERMES	3-13-44
33	EVAN M. KLIETHERMES	3-13-42
34	DIEDRE FAE SNOW	3-13-43
35	RUSSELL HALL	3-14-18
36	HARMONY GROVE BAPTIST CHURCH TRS OF	3-14-19
37	CHARLES E. PRYOR	3-15-5
38	MARTHA JANE FINDLEY	P/O 3-15-8.1

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 8MH-AD
SCALE: 1" = 2,000'
DATE: MARCH 13, 2026

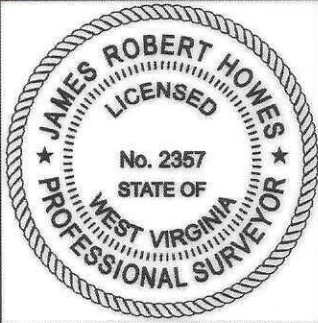
MINIMUM DEGREE
OF ACCURACY: 1/2500
PROVEN SOURCE SURVEY GRADE GPS
OF ELEVATION: (NAVD 88, US FT)

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 8MH-AD

API WELL #: 47 33 06048
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± 08/28/2026

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: 7,303'± TMD: 26,081'±

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

ABBAY SOUTH WELL 8MH - AS-DRILLED			
ID	LEASE NUMBER	LESSOR	LEASE ACREAGE
A	101263000	WILLOW CREEK MHV LLC	6.77
B	101282000, 101283000, 101272000, 101094000, 101069000, 101284000, 101271000, 101285000	ROGER LEE STACKHOUSE	4.39
C	101286000	LARRY B. WEAVER & LAURA L. WEAVER	4.00
D	101250000	CHARLES THOMAS LITTLE	19.45
E	101182000	TERRY D. WYER & PATRICIA WYER	5.98
F	101249000	TERRY D. WYER & PATRICIA WYER	26.42
G	101249000	BEVERLY SUE MARKS & SCOTT A. MARKS	4.91
H	101281000	AUGUSTA RESOURCES, LLC	47.52
I	101290000	ROBERT C. BOYLE & DIANA L. BOYLE	5.58
J	101336000, 101334000, 101274000, 101351000, 101346000, 101306000, 101308000, 101335000, 101348000, 101349000, 101350000, 101290000	IN TRUST FOR DARIS ELI BARKER BY CATHERINE L. BAKER, TRUSTEE	34.82
K	101300000	THOMAS I. MCDANIEL, JR. & KATHY L. MCDANIEL	14.59
L	101301000	J. DALE MAULLER	4.86
M	101302000	TIMOTHY B. MCDANIEL & KATHLEEN M. WITHAM	14.92
N	101307000	TRAVIS W. MCDANIEL & TIFFANY MOSSGROVE	14.92
O	101303000	THE ERNEST AND ROBERTA SCHUMACHER SECOND IRREVOCABLE TRUST, DATED JANUARY 29, 2019	1.98
P	100945000	ERIK HURST & STEPHANIE A. HURST	11.56
Q	BP070829	SAMUEL M. ROBINSON AND MADILINE ROBINSON, EACH IN HIS OWN RIGHT AND AS HUSBAND AND WIFE	46.00
R	BP059059	A.C. MORRIS, SINGLE; ALBERT W. POST AND MARY O. POST IN THEIR OWN RIGHT AND AS HUSBAND AND WIFE	46.00
S	BP066857	M.B. TOLLEY AND BLANCHE TOLLEY, HUSBAND AND WIFE	85.00
T	BP067020	NANCY COPLIN HUNSAKER, WIDOW	15.00
U	101304000, 101105000, 101103000	SENECA-UPSHUR PETROLEUM LLC	11.90
V	BP059113	RORY ELDER AND LENA ELDER, EACH IN THEIR OWN RIGHT AND AS HUSBAND AND WIFE	50.00
W	BP064885	RUFUS HOLDEN AND AGNES T. HOLDEN, HIS WIFE; A. GAY CALIFF, WIDOW; ELIZABETH BARTLETT, WIDOW	18.00
X	BP057189	RUFUS HOLDEN AND AGNES T. HOLDEN, HIS WIFE	43.00
Y	BP067174	LOUISE R. DAVIS, WIDOW; MINNIE REED, SINGLE; MIRIAM R. HARR & R. LEE HARR, HER HUSBAND; ETHEL REED DAVIS & GEORGE R. DAVIS, HER HUSBAND; J. ROBERT REED & AGNES VIRGINIA REED, HIS WIFE; CHARLES EARL REED & BERYL REED, HIS WIFE	51.00
Z	BP049762	CHAS. H. PAYNE AND JEAN M. PAYNE, HIS WIFE; F.C. PAYNE, SINGLE; MODENA TIGHE AND T.H. TIGHE, HER HUSBAND	100.25
AA	BP067021	ERNEST L. FLETCHER AND DOROTHY V. FLETCHER, HIS WIFE, BENJAMIN F. KIBBE AND MILDRED I. KIBBE, HIS WIFE; JAMES D. KIBBE AND REVA B. KIBBE, JASON H. KIBBE, SINGLE AND EDNA K. BRADLEY, SINGLE	12.00
BB	BP066889	DORSEY CROPP AND MARY CROPP, HIS WIFE, AND DORSEY L. BROWN AND MINNIE M. BROWN, HIS WIFE	16.00
CC	BP067189	HERMAN E. SMALLWOOD AND AGNES C. SMALLWOOD; FRANK A. SMALLWOOD; MARGARET C. CONNER AND CHARLES EDWARD CONNER; HARRY D. SMALLWOOD AND SYLVIA MAE SMALLWOOD; FRED L. SMALLWOOD AND PAULINE E. SMALLWOOD; RALPH M. SMALLWOOD AND ANNIE L. SMALLWOOD; AND W.H. SMALLWOOD AND HAZEL SMALLWOOD	30.00
DD	101269000	CHARLES E. FINDLEY AND CLARICE GAIL FINDLEY, HIS WIFE	63.75

THRASHER

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

AS-DRILLED PLAT

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



Diversified
Production LLC

FILE #: T70-11275 ABBEY WELL PAD
DRAWING #: ABBAY SOUTH 8MH-AD
SCALE: 1" = 2,000'
DATE: MARCH 13, 2026

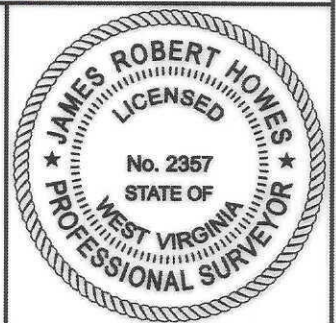
MINIMUM DEGREE
OF ACCURACY: 1/2500
PROVEN SOURCE SURVEY GRADE GPS
OF ELEVATION: (NAVD 88, US FT)

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 #: ABBAY SOUTH 8MH-AD

API WELL #: 47 33 06048
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± **08/28/2026**
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: 7,303'± TMD: 26,081'±

WELL OPERATOR: DIVERSIFIED PRODUCTION, LLC
ADDRESS: 101 MCQUISTON DRIVE
CITY: JACKSON CENTER STATE: PA ZIP CODE: 16133

DESIGNATED AGENT: CHRIS VEASEY
ADDRESS: 400 SUMMER STREET
CITY: CHARLESTON STATE: WV ZIP CODE: 25301

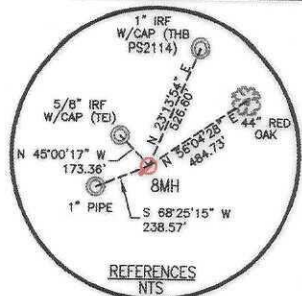
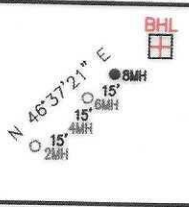
BHL is located on topo map 1,024 feet south of Latitude: 39° 20' 00"
SHL is located on topo map 14,738 feet south of Latitude: 39° 22' 30"

ABBHEY SOUTH 8MH

API WELL# 47-033-06048

PAGE 3 OF 3

WELL PAD
ORIENTATION
DETAIL
NTS



REFERENCES
NTS

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

AS-DRILLED PLAT

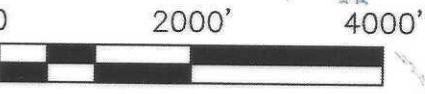
- WELL RESTRICTIONS**
- NO OCCUPIED DWELLINGS WITHIN 625 FEET OF CENTER OF PAD.
 - NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
 - NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF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

NOTES ON SURVEY

- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
- ALL STREAMS AND ROADS DEPICTED HEREON ARE FROM DATA PROVIDED BY OTHERS.
- ALL EXISTING GAS WELL INFORMATION DEPICTED HEREON ARE FROM THE WV DEP WEBSITE. (DEP.WV.GOV)

LINE	BEARING	DISTANCE
L1	S 68°25'15" W	238.57'
L2	N 56°04'28" E	484.73'
L3	N 23°13'54" E	526.60'
L4	N 45°00'17" W	173.36'

SURFACE HOLE LOCATION (SHL) AS-DRILLED	
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)
NORTHING: 4358554.976	NORTHING: 319007.378
EASTING: 568826.350	EASTING: 1770350.077
LANDING POINT LOCATION (LPL) AS-DRILLED	
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)
NORTHING: 4358711.900	NORTHING: 319468.290
EASTING: 569814.768	EASTING: 1773601.980
BOTTOM HOLE LOCATION (BHL) AS-DRILLED	
UTM 17-NAD83 (M):	NAD83, WV NORTH (FT)
NORTHING: 4353785.397	NORTHING: 303203.920
EASTING: 571625.033	EASTING: 1779272.970



THRASHER

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



Diversified
Production LLC

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

08/28/2026