

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

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Office of Oil and Gas

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Environmental Protection

API 47 - 021 - 05798 County Gilmer WV Department of District DeKalb
Quad Tanner 7.5" Pad Name Ellyson Field/Pool Name _____
Farm name Ellyson Well Number 1H-WV0476
Operator (as registered with the OOG) Mountain V Oil and Gas Inc
Address PO Box 904 City Buckhannon State WV Zip 26201

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4315462.8 Easting 507679.9
Landing Point of Curve Northing 4315308.2 Easting 507729.1
Bottom Hole Northing 4314580.1 Easting 508712.4

Elevation (ft) 833 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)
PHPA aka Drill A or EZ Mud

Date permit issued 10/21/2022 Date drilling commenced 1/16/2023 Date drilling ceased 2/3/2023
Date completion activities began 3/27/2023 Date completion activities ceased 4/3/2023
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

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

Freshwater depth(s) ft 100' Open mine(s) (Y/N) depths na
Salt water depth(s) ft none reported Void(s) encountered (Y/N) depths na
Coal depth(s) ft none reported Cavern(s) encountered (Y/N) depths na
Is coal being mined in area (Y/N) no

Reviewed by:

Jeff Probst
8-20-2025

08/29/2025

API 47- 021 - 05798

Farm name Ellyson

Well number 1H-WV0476

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	20.0	13.375	42	X	36#	none	Yes
Surface	12.25	9.625	202	X	26#	60'	Yes
Coal							
Intermediate 1	8.75	7.0	1954	X	19#	none	Yes
Intermediate 2							
Intermediate 3							
Production	6.25	4.5	6131	X	10.5# & 11.6#	none	Yes
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	Ready Mix	5 yds	na	na	na	surface	na
Surface	Class A	102 sks	15.6	1.13	112	surface	8 hrs
Coal							
Intermediate 1	Class A	333 sks	15.6	1.13	293	surface	10 hrs
Intermediate 2							
Intermediate 3							
Production	Class A	550 sks	14.1	1.23	737	surface	na
Tubing							

Drillers TD (ft) 6138

Loggers TD (ft) NA

Deepest formation penetrated WEIR

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) 1200'

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 _____

9.625" casing centralizers: Ran zero centralizers on 9.625" casing

7" casing centralizers: Ran bow-spring centralizers on jts: 1,2,3,4,5,6,8,10,12,14,16,18,44,45.

4.5" casing centralizers: Ran 43 rigid spiral centralizers, one on every third joint to 700'

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

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

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

*9-21 Pumpst
8-20-2025*

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Well number 1H-WV0476

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	3/27/2023	6114	6026	30	Weir
2	3/27/2023	5986	5892	30	Weir
3	3/28/2023	5865	5765	30	Weir
4	3/28/2023	5722	5644	30	Weir
5	3/28/2023	5596	5493	30	Weir
6	3/28/2023	5420	5326	30	Weir
7	3/29/2023	5270	5176	30	Weir
8	3/29/2023	5123	5021	30	Weir
9	3/29/2023	4970	4905	30	Weir
10	3/29/2023	4842	4730	30	Weir
11	3/29/2023	4678	4583	30	Weir
12	3/29/2023	4536	4416	30	Weir
13	3/30/2023	4372	4270	30	Weir
14	3/30/2023	4245	4113	30	Weir
15	3/30/2023	4086	3940	30	Weir
16	3/30/2023	3890	3740	30	Weir

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
1	3/27/202	64	4551	3160	860	47100	1589	0
2	3/27/202	57	4559	3930	1430	40200	1419	0
3	3/28/202	37	3727	4405	1100	40000	1206	0
4	3/28/202	34	4014	3456	902	29800	1066	0
5	3/28/202	33	3531	3729	1250	35300	916	0
6	3/28/202	34	3661	5073	na	35400	862	0
7	3/29/202	33	3247	2612	898	20000	959	0
8	3/29/202	34	3675	3570	1014	20000	836	0
9	3/29/202	34	3800	3590	991	20000	887	0
10	3/29/202	37	3184	2804	977	20200	818	0
11	3/29/202	21	4500	3175	1005	3100	680	0
12	3/29/202	31	3388	3138	1014	20600	885	0
13	3/30/202	6	3112	3411	981	0	205	0
14	3/30/202	32	3308	3543	952	21700	1166	0
15	3/30/202	31	3699	4144	942	15100	783	0
16	3/30/202	33	3344	4781	974	15100	699	0

Please insert additional pages as applicable.

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Well number 1H-WV0476

DEPTHS

OIL TEST ■ Flow □ Pump

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY		
2,500	mcfpd		show	bpd	0	bpd	0	bpd	☒ Estimated	☒ Orifice	☐ Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME 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, H ₂ S, ETC)
sand,shale	0	211	0	211	2" stream water at 100'
sand,shale,RR	211	640	211	640	oil show at 623'
sand,shale	640	1518	640	1531	
Little Lime	1518	1534	1531	1550	
Pencil Cave	1534	1566	1550	1586	
Big Lime	1566	1612	1586	1642	
Big Injun	1612	1713	1642	1783	
shale	1713	1853	1783	2054	
Weir	1853	-	2054	6148	

State **VA** Zip **24228**

State PA Zip 16701

State WV Zip 26330

State PA Zip 16507

Date 5/4/2023

Attach copy of FRACFOCUS Registry

08/29/2025

PERFORATION RECORD (cont.)

Stage#	Perforation Date	Bottom Perf	Top Perf	# of Perfs	Formation
17	3/30/2023	3692	3597	30	Weir
18	3/30/2023	3545	3456	30	Weir
19	3/31/2023	3416	3335	30	Weir
20	3/31/2023	3295	3210	30	Weir
21	3/31/2023	3187	3063	30	Weir
22	3/31/2023	3025	2893	30	Weir
23	4/3/2023	2836	2763	30	Weir
24	4/3/2023	2720	2620	30	Weir
25	4/3/2023	2586	2457	30	Weir
26	4/3/2023	2427	2317	30	Weir
27	4/3/2023	2247	2104	30	Weir

STIMULATION INFORMATION PER STAGE (cont.)

Stage#	Stimulation Date	Ave. Pump Rate	Ave. Treatment PSI	Max. Breakdown	ISIP	Proppant	Water	Other
17	3/30/2023	34	3159	4205	982	15200	679	0
18	3/30/2023	32	3420	4301	920	15100	825	0
19	3/31/2023	42	4274	4073	942	25300	961	0
20	3/31/2023	42	4133	4060	993	25200	868	0
21	3/31/2023	46	3727	3498	1002	25900	816	0
22	3/31/2023	39	3768	3907	1012	26900	989	0
23	4/3/2023	38	3601	3418	1005	20200	835	0
24	4/3/2023	36	3552	4078	987	20500	829	0
25	4/3/2023	41	3361	4474	992	20100	810	0
26	4/3/2023	27	3555	4457	872	7700	924	0
27	4/3/2023	37	3417	3768	985	29000	904	0

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