

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

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JUN 03 2026

WV Department of
Environmental Protection

API 47-073-02632 County Pleasants District Union
Quad Bens Rn 7 1/2 Pad Name P5 Field/Pool Name Arvilla
Farm name Jay-Bee Royalty, LLC Well Number P5N4
Operator (as registered with the OOG) Jay-Bee Oil & Gas, Inc
Address 23 EGANFUSKEE ST, STE 126 City JUPITER State FL Zip 33477

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4362891.51 Easting 493522.45
Landing Point of Curve Northing 4362815.62 Easting 492876.80
Bottom Hole Northing 4368046.74 Easting 489934.59

Elevation (ft) 869.0' 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, Barite, Baramul IE 537, Driltreat, Rhemod L, ADAPTA L (wetting agents)
Lime, Calcium Chloride, Potassium Chloride Powder, Cal-Carbs, Various LCMs

Date permit issued 6/10/2024 Date drilling commenced 9/18/2025 Date drilling ceased 10/13/2025
Date completion activities began 1/16/2026 Date completion activities ceased 3/10/2026
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 127' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1,756' 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

Reviewed by:

[Signature]
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API 47-073 - 02632 Farm name Jay-Bee Royalty, LLC Well number P5N4

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	30"	26"	30'	New	H-40 102#	none	Yes
Surface	24"	20"	369'	New	J-55 94.5#	117'	Yes
Coal							
Intermediate 1	17.5"	13.375"	2,047'	New	J-55 61#	165'	Yes
Intermediate 2	12.25"	9.625"	5,466'	New	HCP110 40-43.5#	1,833'	Yes
Intermediate 3							
Production	8.5"	5.5"	26,529'	New	P-110 20#	none	Yes
Tubing							
Packer type and depth set							

Comment Details During the production cement job all or partial returns were lost during displacement, cement was lifted and placed into the deep set intermediate 2 string confirmed by volumes pumped during displacement to when returns fell short and via CBL

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	Class A	n/a	n/a	n/a	n/a	CTS	8
Surface	Class A	450	15.6	1.193	537	CTS	8
Coal							
Intermediate 1	Class A	1715	15.6	1.18	2024	CTS	8
Intermediate 2	Class A	1100	12.5 & 14.0	2.437 & 1.391	2335	CTS	8
Intermediate 3							
Production	Class A	7910	15.0	1.142	9035	3,790' (est. CBL)	8
Tubing							

Drillers TD (ft) 26,566' Loggers TD (ft) 6,593'
Deepest formation penetrated Marcellus Plug back to (ft) n/a
Plug back procedure n/a

Kick off depth (ft) 5,514'

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
Prod- Solid Body Bow every joint in the lateral to KOP, KOP- Surface Solid Body Bow every other joint
Intermediate 2- Solid Body Bow every other joint TD-Surface
Intermediate 1- Solid Body Bow every other joint TD-Surface
Surf- Solid Body Bow every other joint

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 Proppant tracers and water chemical tracers

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API 47-073 - 02632 Farm name Jay-Bee Royalty, LLC Well number P5N4

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.

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API 47- 073 - 02632 Farm name Jay-Bee Royalty, LLC Well number P5N4

PRODUCING FORMATION(S)

DEPTHS

Marcellus	5,535'	TVD	26,433'	MD
Marcellus	5,759'		6,581'	

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Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow OIL TEST ☒ Flow ☐ Pump

SHUT-IN PRESSURE Surface 2,053 psi Bottom Hole 2,053 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 15,111 mcfpd Oil 0 bpd NGL 240 bpd Water 2,400 bpd GAS MEASURED BY
☐ 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)
	0		0		See attached

Please insert additional pages as applicable.

Drilling Contractor Patterson UTI
Address 67090 Executive Drive City St. Clairsville State OH Zip 43950

Logging Company GR Energy Services
Address 158 Painter-Koser Rd City Smithton State PA Zip 15479

Cementing Company Halliburton
Address 4999 E Pointe Dr City Zanesville State OH Zip 43701

Stimulating Company Halliburton
Address 4999 E Pointe Dr City Zanesville State OH Zip 43701

Please insert additional pages as applicable.

Completed by Andrew Neill / Emily Potesta Telephone 304-203-0665
Signature _____ Title Drilling Manager / Regulatory Agent Date 05/22/2026

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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FARM NAME: JayBee Royalty, LLC

WELL NAME: P5N4

PERFORATION RECORD

STAGE#	Perforation Date	Perforated from MD FT.	Perforated To MD FT.	Number of Perforations	Formation
1	1/17/2026	26381	26433	18	Marcellus
2	1/17/2026	26181	26341	30	Marcellus
3	1/17/2026	25981	26141	30	Marcellus
4	1/18/2026	25781	25941	30	Marcellus
5	1/18/2026	25581	25741	30	Marcellus
6	1/18/2026	25381	25541	30	Marcellus
7	1/19/2026	25181	25341	30	Marcellus
8	1/19/2026	24981	25141	30	Marcellus
9	1/19/2026	24781	24941	30	Marcellus
10	1/19/2026	24581	24741	30	Marcellus
11	1/19/2026	24381	24541	30	Marcellus
12	1/20/2026	24181	24341	30	Marcellus
13	1/20/2026	23981	24141	30	Marcellus
14	1/20/2026	23781	23941	30	Marcellus
15	1/20/2026	23581	23741	30	Marcellus
16	1/21/2026	23381	23541	30	Marcellus
17	1/21/2026	23181	23341	30	Marcellus
18	1/21/2026	22981	23141	30	Marcellus
19	1/21/2026	22781	22941	30	Marcellus
20	1/21/2026	22581	22741	30	Marcellus

Stimulation information Per Stage

STAGE#	Stimulation Date	Average Rate (BPM)	Average Treatment Pressure	Max Breakdown Pressure	ISIP Pressure	Amount of Propant (lbs)	Amount of Water (bbls)
1	1/17/2026	69.6	9172	9948	5470	172,440	9,279.60
2	1/17/2026	80.8	9424	4904	2384	500,250	18,358.00
3	1/17/2026	80.4	9797	5466	2892	497,790	12,886.20
4	1/18/2026	80.5	9844	6651	2942	500,250	13,255.00
5	1/18/2026	82.8	9587	6450	2680	500,430	12,566.90
6	1/18/2026	82.4	9126	6489	2260	500,140	11,231.20
7	1/19/2026	81.6	9656	8567	2880	502,328	10,830.70
8	1/19/2026	81.6	9747	7162	2215	505,740	11,413.50
9	1/19/2026	48.2	9879	6241	4918	7,500	6,730.80
10	1/19/2026	83.7	9474	7089	2557	496,820	11,248.00
11	1/20/2026	77.3	9541	5697	2764	495,600	10,580.20
12	1/20/2026	81.3	9262	4747	1955	500,250	11,158.10
13	1/20/2026	79.1	9229	4767	2811	496,520	10,935.40
14	1/20/2026	83.2	9827	7560	2684	506,210	10,520.10
15	1/21/2026	76.7	9885	7497	2774	508,440	10,373.20
16	1/21/2026	82.2	9869	5014	2763	500,180	10,446.10
17	1/21/2026	79.9	9477	5005	2492	504,860	10,192.30
18	1/21/2026	78.9	9670	5337	2761	503,380	10,180.20
19	1/21/2026	81.6	9630	10462	2357	502,560	10,017.40
20	1/22/2026	89.2	9813	6781	2784	499,420	10,008.30

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FARM NAME: JayBee Royalty, LLC

WELL NAME: P5N4

PERFORATION RECORD

		Perforation Records					
		Perforated from	Perforated To	Number of			
STAGE#	Perforation Date	MD FT.	MD FT.	Perforations	Formation		
21	1/22/2026	22381	22541	30	Marcellus		
22	1/22/2026	22181	22341	30	Marcellus		
23	1/22/2026	21981	22141	30	Marcellus		
24	1/22/2026	21781	21941	30	Marcellus		
25	1/22/2026	21581	21741	30	Marcellus		
26	1/22/2026	21381	21541	30	Marcellus		
27	1/23/2026	21181	21341	30	Marcellus		
28	1/23/2026	20981	21141	30	Marcellus		
29	1/23/2026	20781	20941	36	Marcellus		
30	1/24/2026	20581	20741	36	Marcellus		
31	1/24/2026	20381	20541	36	Marcellus		
32	1/24/2026	20181	20341	36	Marcellus		
33	1/25/2026	19981	20141	36	Marcellus		
34	1/28/2026	19781	19941	36	Marcellus		
35	1/28/2026	19581	19741	36	Marcellus		
36	1/28/2026	19381	19541	36	Marcellus		
37	1/28/2026	19181	19341	36	Marcellus		
38	1/28/2026	18981	19141	36	Marcellus		
39	1/29/2026	18781	18941	36	Marcellus		
40	1/29/2026	18581	18741	36	Marcellus		
	Stimulation information Per Stage						
	Stimulation Date	Average Rate (BPM)	Average Treatment Pressure	Max Breakdown Pressure	ISIP Pressure	Amount of Propanant (lbs)	Amount of Water (bbls)
STAGE#							
21	1/22/2026	86.8	9552	7069	2768	493,880	9,865.90
22	1/22/2026	84	9451	5071	2754	467,100	10,126.90
23	1/22/2026	83.8	9099	5128	2756	501,260	9,358.70
24	1/22/2026	82.2	8670	7960	2977	497,500	9,633.30
25	1/22/2026	81.9	9196	9774	2950	501,240	10,347.60
26	1/23/2026	69.6	9717	10019	2654	493,548	17,051.40
27	1/23/2026	81.6	8686	5190	2316	508,580	10,281.70
28	1/23/2026	27.5	7869	8531	4187	12,520	6,281.70
29	1/23/2026	91.8	9674	4886	2575	497,820	10,544.60
30	1/24/2026	91.3	9693	7423	2660	497,400	10,188.90
31	1/24/2026	87.5	9260	5032	2954	498,560	11,020.10
32	1/25/2026	91	9383	5285	2721	491,700	10,231.10
33	1/25/2026	92.1	9572	9854	3272	500,250	10,259.30
34	1/28/2026	91.7	9112	4794	2602	499,830	11,307.10
35	1/28/2026	90.3	9055	7513	2627	507,660	10,552.50
36	1/28/2026	98	9292	8660	4261	473,700	9,713.30
37	1/28/2026	89.8	9104	5528	2916	505,640	10,538.30
38	1/28/2026	92.2	9453	4918	3975	468,780	9,657.70
39	1/29/2026	95.2	9145	4585	3208	501,140	9,995.70
40	1/29/2026	98.4	9161	5076	2778	501,540	10,633.20

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		PERFORATION RECORD					
		Perforated from	Perforated To	Number of			
STAGE#	Perforation Date	MD FT.	MD FT.	Perforations	Formation		
41	1/29/2026	18381	18541	36	Marcellus		
42	1/29/2026	18181	18341	36	Marcellus		
43	1/29/2026	17981	18141	36	Marcellus		
44	1/29/2026	17781	17941	36	Marcellus		
45	1/30/2026	17581	17741	36	Marcellus		
46	1/30/2026	17381	17541	36	Marcellus		
47	1/30/2026	17181	17341	36	Marcellus		
48	1/30/2026	16981	17141	36	Marcellus		
49	1/30/2026	16781	16941	36	Marcellus		
50	1/30/2026	16581	16741	36	Marcellus		
51	1/31/2026	16381	16541	36	Marcellus		
52	1/31/2026	16181	16341	36	Marcellus		
53	1/31/2026	15981	16141	36	Marcellus		
54	2/1/2026	15781	15941	36	Marcellus		
55	2/1/2026	15581	15741	36	Marcellus		
56	2/1/2026	15381	15541	36	Marcellus		
57	2/1/2026	15181	15341	36	Marcellus		
58	2/2/2026	14981	15141	36	Marcellus		
59	2/2/2026	14781	14941	36	Marcellus		
60	2/2/2026	14581	14741	36	Marcellus		
	Stimulation information Per Stage						
	Stimulation	Average Rate	Average Treatment	Max Breakdown	ISIP	Amount of	Amount of
STAGE#	Date	(BPM)	Pressure	Pressure	Pressure	Propan (lbs)	Water (bbls)
41	1/29/2026	94.8	8992	9096	3638	501,140	10,249.90
42	1/29/2026	96.1	8998	9134	3109	501,540	10,266.00
43	1/29/2026	92.3	9031	5778	2935	474,220	10,326.00
44	1/29/2026	94.2	9402	4988	3169	502,000	10,088.60
45	1/30/2026	94.5	9071	5298	3048	499,900	10,484.40
46	1/30/2026	97.9	9366	5351	2951	502,040	10,130.20
47	1/30/2026	95.4	9013	8614	3091	502,320	10,278.20
48	1/30/2026	95.3	8955	9611	2954	500,640	10,518.60
49	1/30/2026	95.6	9247	5442	2905	500,940	9,819.10
50	1/30/2026	93.9	9173	5006	2959	504,120	9,878.20
51	1/31/2026	95.5	8823	4786	3429	500,080	9,938.90
52	1/31/2026	98.4	8845	4854	3302	503,660	11,095.20
53	1/31/2026	87.1	8609	9712	3041	498,300	10,814.30
54	2/1/2026	90.9	8621	4713	3927	501,460	10,005.90
55	2/1/2026	98.3	8409	9782	3894	505,400	10,525.70
56	2/1/2026	92.6	8725	4841	3388	500,540	9,921.90
57	2/1/2026	96.5	8902	4559	3959	498,980	9,547.00
58	2/2/2026	94.6	8601	4350	3665	502,330	9,888.70
59	2/2/2026	94.6	8691	4819	4019	498,560	9,801.30
60	2/2/2026	95.3	8538	9922	3991	503,520	9,990.40

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		PERFORATION RECORD					
		Perforated from	Perforated To	Number of			
STAGE#	Perforation Date	MD FT.	MD FT.	Perforations	Formation		
61	2/2/2026	14381	14541	36	Marcellus		
62	2/3/2026	14181	14341	36	Marcellus		
63	2/3/2026	13981	14141	36	Marcellus		
64	2/3/2026	13781	13941	36	Marcellus		
65	2/3/2026	13581	13741	36	Marcellus		
66	2/3/2026	13381	13541	36	Marcellus		
67	2/4/2026	13181	13341	36	Marcellus		
68	2/4/2026	12981	13141	36	Marcellus		
69	2/4/2026	12781	12941	36	Marcellus		
70	2/4/2026	12581	12741	36	Marcellus		
71	2/5/2026	12381	12541	36	Marcellus		
72	2/5/2026	12181	12341	36	Marcellus		
73	2/5/2026	11981	12141	36	Marcellus		
74	2/5/2026	11781	11941	36	Marcellus		
75	2/6/2026	11581	11741	36	Marcellus		
76	2/6/2026	11381	11541	36	Marcellus		
77	2/6/2026	11181	11341	36	Marcellus		
78	2/6/2026	10981	11141	36	Marcellus		
79	2/6/2026	10781	10941	36	Marcellus		
80	2/7/2026	10581	10741	36	Marcellus		
	Stimulation information Per Stage						
	Stimulation	Average Rate	Average Treatment	Max Breakdown	ISIP	Amount of	Amount of
STAGE#	Date	(BPM)	Pressure	Pressure	Pressure	Propan (lbs)	Water (bbls)
61	2/2/2026	95.9	8691	4711	3040	507,720	9,634.00
62	2/3/2026	96.8	8538	4599	3232	504,380	10,092.20
63	2/3/2026	92.9	8490	4406	3917	385,480	8,734.10
64	2/3/2026	95.3	8357	9454	3329	493,970	9,949.90
65	2/3/2026	95.7	8479	4777	3291	507,180	9,756.60
66	2/4/2026	95.6	8436	10292	3147	501,888	9,517.10
67	2/4/2026	96.4	8529	4596	3239	499,400	9,391.70
68	2/4/2026	94.4	8662	4822	3110	501,200	9,780.70
69	2/4/2026	95	8526	5020	3371	506,708	9,818.60
70	2/4/2026	96.2	8438	4574	3269	499,620	9,386.10
71	2/5/2026	97	8649	4370	3519	501,140	9,476.50
72	2/5/2026	94.4	8624	4844	3911	501,150	9,779.60
73	2/5/2026	91.1	8470	4680	3988	501,780	9,538.60
74	2/5/2026	96.1	8023	4883	4299	500,800	9,459.70
75	2/6/2026	95	8368	4673	3029	481,300	9,446.00
76	2/6/2026	95.7	8293	4554	3506	503,660	9,619.60
77	2/6/2026	94	8934	4902	4182	501,080	9,487.80
78	2/6/2026	95.3	8541	4480	3775	504,140	9,572.70
79	2/7/2026	79.8	7987	4354	3738	508,480	12,331.40
80	2/7/2026	97	7976	4333	3757	498,720	9,327.80

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FARM NAME: JayBee Royalty, LLC

WELL NAME: P5N4

PERFORATION RECORD

STAGE#	Perforation Date	Perforated from	Perforated To	Number of	Formation
		MD FT.	MD FT.	Perforations	
81	2/7/2026	10381	10541	36	Marcellus
82	2/7/2026	10181	10341	36	Marcellus
83	2/8/2026	9981	10141	36	Marcellus
84	2/8/2026	9781	9941	36	Marcellus
85	2/8/2026	9581	9741	36	Marcellus
86	2/9/2026	9381	9541	36	Marcellus
87	2/9/2026	9181	9341	36	Marcellus
88	2/10/2026	8981	9141	36	Marcellus
89	2/10/2026	8781	8941	36	Marcellus
90	2/10/2026	8581	8741	36	Marcellus
91	2/11/2026	8381	8541	36	Marcellus
92	2/11/2026	8181	8341	36	Marcellus
93	2/11/2026	7981	8141	36	Marcellus
94	2/12/2026	7781	7941	36	Marcellus
95	2/12/2026	7581	7741	36	Marcellus
96	2/12/2026	7381	7541	36	Marcellus
97	2/12/2026	7181	7341	36	Marcellus
98	2/12/2026	6981	7141	36	Marcellus
99	2/13/2026	6781	6941	36	Marcellus
100	2/13/2026	6581	6741	36	Marcellus

Stimulation information Per Stage

STAGE#	Stimulation Date	Average Rate (BPM)	Average Treatment Pressure	Max Breakdown Pressure	ISIP Pressure	Amount of Propan (lbs)	Amount of Water (bbls)
	Date	(BPM)	Pressure	Pressure			
81	2/7/2026	92.3	8779	4413	3984	501,440	9,681.70
82	2/7/2026	95.6	8274	4846	3853	502,900	9,675.90
83	2/8/2026	93.3	8105	4494	3799	502,940	9,721.10
84	2/8/2026	93.8	8432	4629	4338	502,040	9,608.10
85	2/8/2026	96.8	8434	4703	3749	501,740	9,567.70
86	2/9/2026	92.8	7918	4739	4244	499,320	9,515.10
87	2/9/2026	98	8269	4380	4303	503,920	9,413.40
88	2/10/2026	96.6	7630	4643	4062	500,340	9,682.10
89	2/10/2026	97.3	8052	8066	4019	499,840	9,333.30
90	2/10/2026	95.4	7832	5472	3582	505,520	9,198.10
91	2/11/2026	92.5	7761	7981	3323	514,840	10,074.50
92	2/11/2026	97.1	8236	5026	4333	495,710	9,578.30
93	2/12/2026	98.2	8102	4252	3876	501,280	9,332.10
94	2/12/2026	97.9	7988	2982	3406	504,040	9,264.70
95	2/12/2026	98.6	7547	7648	3620	501,320	9,290.10
96	2/12/2026	97.7	7404	3487	3015	502,000	9,131.10
97	2/12/2026	98.7	6878	3889	2693	501,140	9,293.80
98	2/13/2026	97.4	7033	3383	2251	498,820	9,418.10
99	2/13/2026	97.7	6759	1715	2866	500,960	9,076.60
100	2/13/2026	98.6	6312	2171	2789	505,400	8,848.60

09/04/2026



Jay-Bee Oil & Gas

API 4707302632
PAD P5
WELL N4
KB ELEV 895
GL ELEV 868

TVD DEPTH @ KB ELEV

FORMATION	TOP	BASE
COW RUN SAND	470	510
LITTLE DUNKARD SAND	615	625
DUNKARD SAND	780	820
GAS SAND	915	940
1ST SALT SAND	1105	1210
2ND SALT SAND	1275	1375
3RD SALT SAND	1510	1552
LITTLE LIME	1647	1651
PENCIL CAVE	1651	1659
BIG LIME	1659	1782
BIG INJUN SAND	1782	1930
WEIR SAND	2181	2248
BEREA SAND	2287	2297
GORDON SAND	2673	2707
SPEECHLEY	3540	3570
RILEY	4340	4675
BENSON MARKER	4846	4846
THREE GR MARKER	5496	5518
BURKETT	5756	5773
TULLY LIMESTONE	5773	5775
MARCELLUS	5775	

SS TOP	SS BASE	GL TOP	GL BASE
425	385	443	483
280	270	588	598
115	75	753	793
-20	-45	888	913
-210	-315	1078	1183
-380	-480	1248	1348
-615	-657	1483	1525
-752	-756	1620	1624
-756	-764	1624	1632
-764	-887	1632	1755
-887	-1035	1755	1903
-1286	-1353	2154	2221
-1392	-1402	2260	2270
-1778	-1812	2646	2680
-2645	-2675	3513	3543
-3445	-3780	4313	4648
-3951	-3951	4819	4819
-4601	-4623	5469	5491
-4861	-4878	5729	5746
-4878	-4880	5746	5748
-4880		5748	

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	01/17/2025
Job End Date:	02/13/2026
State:	West Virginia
County:	Pleasants
API Number:	47-073-02632-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	P5N4
Latitude:	39.415519
Longitude:	-81.075248
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5789
Total Base Water Volume (gal)*:	42517561.87
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	96.06%
Produced Water	3.94%

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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
35% HCl Acid	Halliburton	Solvent					
CALCIUM CHLORIDE - PELLETS	Halliburton	Accelerator					
Fresh Water	Operator	Base Fluid					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
MATRIX BioMAX 123	Matrix Toll Manufacturing LLC	Biocide					
Pad2Pad SI 9125	Pad2Pad Logistics & Consulting	Shale Inhibitor					
Pad2Pad Truslick A	Pad2Pad Logistics & Consulting	Friction Reducer					
Produced Water	Operator	Base Fluid					

09/04/2026

Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
Sand-Premium White-40/70	Halliburton	Proppant					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	84.16493	None
			Crystalline silica, quartz	14808-60-7	100.00000	12.00154	None
			Water	7732-18-5	100.00000	3.45161	None
			Water	7732-18-5	80.00000	0.17132	None
			Hydrochloric acid	7647-01-0	35.00000	0.08348	None
			Polycarboxylic Acid Salt Mixture	Proprietary	100.00000	0.02107	None
			Distillates (petroleum), hydrotreated light	64742-47-8	20.00000	0.01997	None
			Glutaraldehyde	111-30-8	20.00000	0.00407	None
			Calcium chloride	10043-52-4	100.00000	0.00166	None
			Quaternary Ammonium Compounds	68424-85-1	3.00000	0.00061	None
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00061	None
			Methanol	67-56-1	100.00000	0.00045	None
			Ethanol	64-17-5	1.50000	0.00031	None
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00014	None
			Modified thiourea polymer	Proprietary	30.00000	0.00014	None
			Potassium chloride	7447-40-7	5.00000	0.00008	None
			Propargyl alcohol	107-19-7	5.00000	0.00002	None
			Hexadecene	629-73-2	5.00000	0.00002	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00002	None

* 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%

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)

09/04/2026

OIL AND GAS RECLAMATION NOTICE

TO:

Name _____

Address _____

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Office of Oil and Gas

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WV Department of
Environmental Protection

Name _____

Address _____

Name _____

Address _____

Pursuant to West Virginia Code 22-7, notice is hereby given that the undersigned well operator is commencing the reclamation of the surface disturbance caused by well work required by West Virginia Code 22-6-30 on the tract of land as follows:

API Permit No. 47- 073 - 02632 ;
Acreage 165.00 ;
Watershed Sugar Creek Outlet Middle Island Creek (HUC-10) ;
District Union ;
County Pleasants ;
Public Road Access Arvilla Rd. ;
Generally used farm name Jay-Bee Royalty, LLC .

This tract of land was utilized in connection with the well work authorized by the permit listed above issued by the Office of Oil and Gas of the West Virginia Department of Environmental Protection.

Any claim for oil and gas production damage compensation from the undersigned must be made within 2 years of the publication of this notice.

Well Operator Jay-Bee Oil & Gas, Inc.

Address 429 Simonton Rd.
Ellenboro, WV 26346

Telephone 304-628-3111

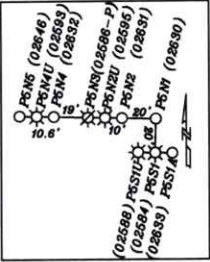
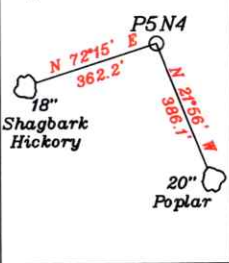
09/04/2026

LATITUDE 39-25-00 N (TH)

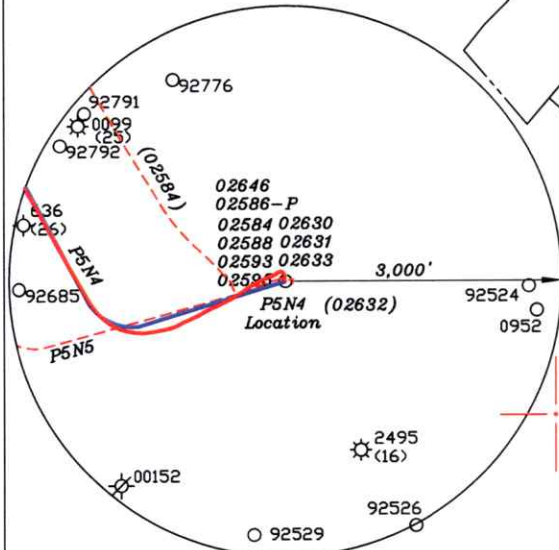
Top Hole 9,488'

LATITUDE 39-30-00 N (BH)-BH 9,502'

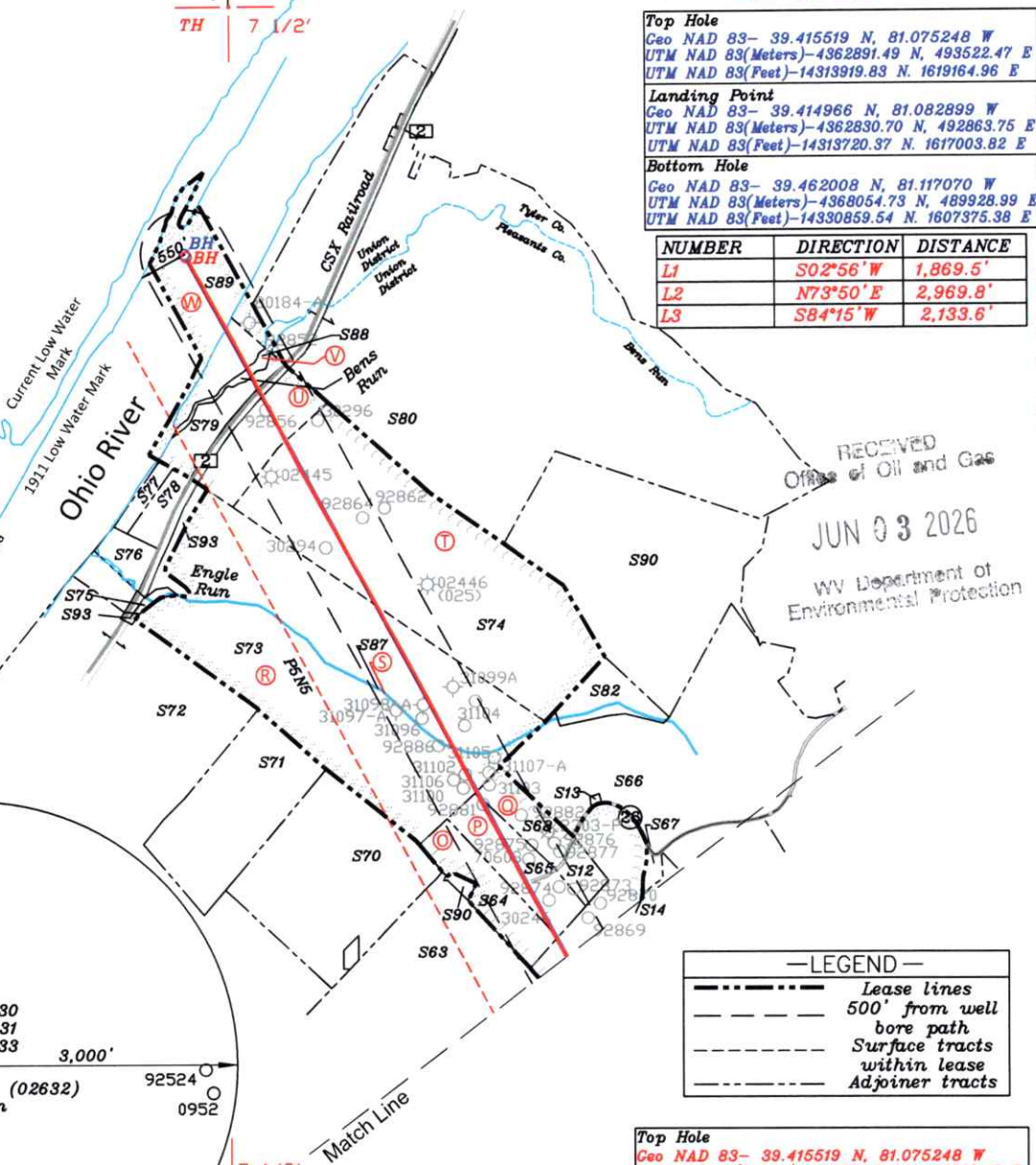
References:



NORTH



(>) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS



Top Hole
Geo NAD 83- 39.415519 N, 81.075248 W
UTM NAD 83(Meters)-4362891.49 N, 493522.47 E
UTM NAD 83(Feet)-14313919.83 N, 1619164.96 E

Landing Point
Geo NAD 83- 39.414966 N, 81.082899 W
UTM NAD 83(Meters)-4362830.70 N, 492863.75 E
UTM NAD 83(Feet)-14313720.37 N, 1617003.82 E

Bottom Hole
Geo NAD 83- 39.462008 N, 81.117070 W
UTM NAD 83(Meters)-4368054.73 N, 489928.99 E
UTM NAD 83(Feet)-14330859.54 N, 1607375.38 E

NUMBER	DIRECTION	DISTANCE
L1	S02°56' W	1,869.5'
L2	N73°50' E	2,969.8'
L3	S84°15' W	2,133.6'

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—LEGEND—	
-----	Lease lines
-----	500' from well
-----	bore path
-----	Surface tracts
-----	within lease
-----	Adjoiner tracts

—ASDRILLED LEGEND—	
-----	AsDrilled Leg
-----	Permitted Leg

Top Hole
Geo NAD 83- 39.415519 N, 81.075248 W
UTM NAD 83(Meters)-4362891.51 N, 493522.45 E
UTM NAD 83(Feet)-14313919.91 N, 1619164.92 E

Landing Point
Geo NAD 83- 39.414830 N, 81.082747 W
UTM NAD 83(Meters)-4362815.62 N, 492876.80 E
UTM NAD 83(Feet)-14313670.91 N, 1617046.65 E

Bottom Hole
Geo NAD 83- 39.461936 N, 81.117004 W
UTM NAD 83(Meters)-4368046.74 N, 489934.59 E
UTM NAD 83(Feet)-14330833.34 N, 1607393.74 E

FILE NO. _____
DRAWING NO. 1
SCALE 1" = 2000'
MINIMUM DEGREE OF
ACCURACY 1 in 200
PROVEN SOURCE OF
ELEVATION GPS
submeter unit

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 RULES
ISSUED AND PRESCRIBED BY THE DEPARTMENT
OF ENVIRONMENTAL PROTECTION.

(SIGNED) David L Jackson
R.P.E. _____ P.S. 708



STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE April 24, 2026OPERATOR'S WELL NO. P5N4API WELL NO. 47 - 073 - 02632

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF 'GAS') PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 869.5' WATER SHED Sugar Creek of Outlet Middle Island Creek (HUC-10)
DISTRICT Union COUNTY Pleasants
QUADRANGLE Bens Run 7 1/2'

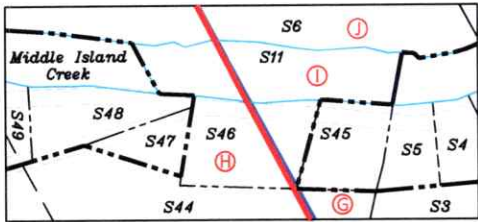
SURFACE OWNER Jay-Bee Royalty, LLC ACREAGE 165.0 Ac.
OIL & GAS ROYALTY OWNER Jay-Bee Royalty, LLC LEASE ACREAGE 165.0 Ac.

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AsDrilled

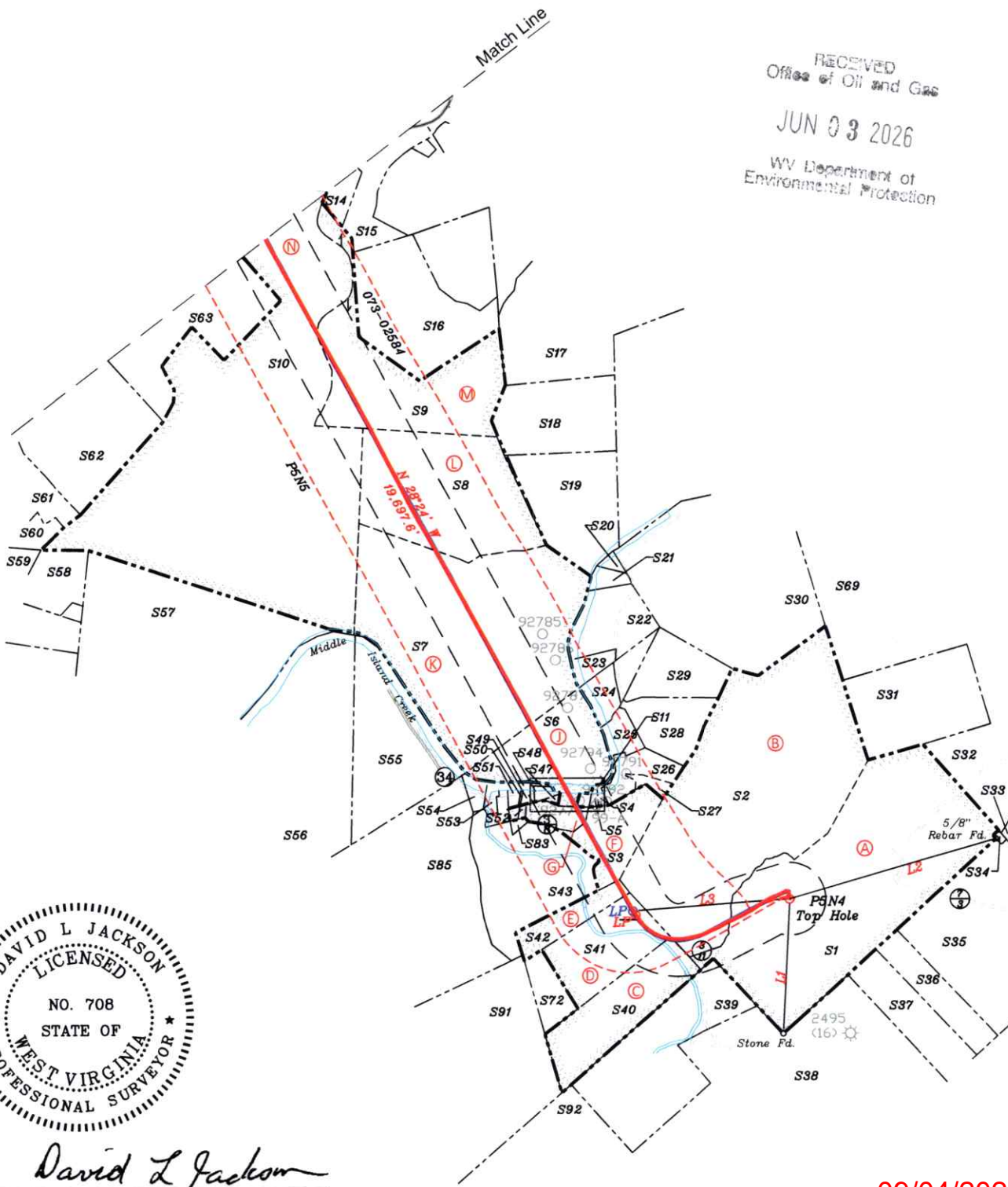
PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 5,790' ; TMD = 26,541'
WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Deborah Broda-Morgan
ADDRESS 429 Simonton Road, Ellenboro, WV 26346 ADDRESS 429 Simonton Road, Ellenboro, WV 26346

JACKSON SURVEYING
INC.
2413 East Pike Street
#112
Clarksburg, WV 26301
304-623-5851

—ASDRILLED LEGEND—
AsDrilled Leg
Permitted Leg



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WV Department of
Environmental Protection



P.S. 708
David L Jackson

09/04/2026



Jay Bee
Oil & Gas
DRILLING
into the future

API #: 47-073-02632
WELL #: P5N4
DISTRICT: Union
COUNTY: Pleasants
STATE: WV

WELL PLAT
PAGE 2 OF 4
DATE: 04/24/2026

**JACKSON SURVEYING
INC.**

2413 East Pike Street
#112
Clarksburg, WV 26301
304-623-5851

Notes:

1. All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.

2. Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

3. Surface and Royalty owner information and boundaries shown hereon were plotted from deeds and/or Tax Parcel Maps and/or field locations.

4. This plat does not represent a boundary survey of parcels shown hereon.

5. No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the proposed pad. No perennial streams are located within 100' of LOD. No producing trout stream is located within 300' of LOD.

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P.S.
708

David L Jackson

Tap	Number	Tax Map-Parcel	Surface Owner	Acres
A	S1	7-11-29	Jay-Bee Royalty LLC	165
B	S2	7-11-27	Darin J Barber	165
C	S40	7-11-34	Max E & Linda L Hall & Christopher G Hall & Curtis M Hall	38.33
D	S41	7-11-35	Jay Bee Royalty, LLC	30.893
E	S42	7-11-33	Edward W Williamson & Jeffrey L Williamson	14.25
F	S3	7-11-25.12	Kenneth G Holmes	21.267
G	S44	7-11-25.3	Kenneth G Holmes	5.621
H	S46	7-11-25.4	Benny D & C Darlene Wharton	1.5
I	S11	Middle island Creek	State of West Virginia Dept. of Commerce Division of Nat Res	2.34
J	S6	7-11-25.7	Sandra K Lamm, Ronald S Holmes, Roger Q Holmes & Kenneth G Holmes	40.88
K	S7	7-11-1	BMB Enterprises, LLC & Jay-Bee Royalty LLC	157.5
L	S8	7-6-66	Jay-Bee Royalty LLC	85
M	S9	7-6-64	Lisa Stanley Trustee of R Dean Smith 2009 Trust FBO Lisa	69.887
N	S10	7-6-111	Spring Mountain Holding, LLC	321.62
O	S64	7-5-36	Carroll L Ash	15
P	S65	7-5-37	Ronald W Metz Life Est	20
Q	S68	7-5-38	Timothy R & Pamela J Nichols	11.211
R	S73	7-5-3	Bens Run Land Company Limited Partnership	176.13
S	S87	Engle Run	State of West Virginia Dept. of Commerce Division of Nat Res	0.48
T	S74	7-1-5	Bens Run Land Company Limited Partnership	139.21
U	S79	7-1-2	Bens Run Land Company Limited Partnership	46.78
V	S88	Bens Run	State of West Virginia Dept. of Commerce Division of Nat Res	1.36
W	S89	Ohio River	State of West Virginia Dept. of Commerce Division of Nat Res	21.07
	S4	7-11-25.6	Lewis K & Virginia M Houser	0.581
	S5	7-11-25.13	Jon R & Sharon Y Bailey	0.624
	S12	7-6-109	Nathan Wade Bennett	5.011
	S13	7-6-100	C J Barnhart Heirs (Cemetery)	0.25
	S14	7-6-30.1	David Roger & Patty Sue McCartney	6
	S15	7-6-30	Charles R & Beth Ann Mankins	45
	S16	7-6-37	Louie A Stanley	60
	S17	7-6-65	Haessly Land & Timber LLC	47.5
	S18	7-6-67	Robert William Butler & Cathleen Louisa Peracchio	35.86
	S19	7-6-103	Robert William Butler & Cathleen Louisa Peracchio	38.93
	S20	7-11-4	Brian M Holmes	1
	S21	7-11-3.1	Brian M Holmes	1.75
	S22	7-11-3	Sandra K Lamm, Ronald S Holmes,	18.203
	S23	7-11-3.2	Edward B Holmes	3.447
	S24	7-11-2	Gary & Beverly Burian	6.1
	S25	7-11-25	Joshua Scott & Abigail Kathryn Holmes	5.033
	S26	7-11-25.11	Joshua S Holmes	9.131
	S27	7-11-25.14	Joshua S & Abigail K Holmes	2.268
	S28	7-11-25.10	Marvin E & Sandra K Lamm	18.287
	S29	7-11-25.9	Roger Q & Kimberly A Holmes	20.534
	S30	7-11-5	Roger Q & Kimberly A Holmes	111
	S31	7-11-28	Jay-Bee Royalty LLC	56.5
	S32	7-11-30	Jay Bee Oil & Gas, Inc	25.14
	S33	7-11-32	Norma Jean Farson, Larry William Horner,	231.824
	S34	7-11-45.1	Gardner Cemetery	39
	S35	7-11-45	Matthew A & Dawina M Taylor	94.61
	S36	7-11-43	Matthew A & Dawina M Taylor	18.6
	S37	7-11-44	Matthew A & Dawina M Taylor	25.8
	S38	7-11-41	Melanie Jo Manuse Revocable Trust	123.27
	S39	7-11-40	Jay Bee Royalty, LLC	62.063
	S43	7-11-26	Patrick Dean Sole	49.1769
	S45	7-11-25.5	Dean Schultheis	0.75
	S47	7-11-25.8	Benny D & C Darlene Wharton	0.75
	S48	7-11-24	Luke Alan Myers & Joshua Neal Myers	0.21
	S49	7-11-23.1	Bobbi Jo & Warren Patrick Judge	0.524
	S50	7-11-23.2	Bobbi Jo & Warren Patrick Judge	0.084
	S51	7-11-23	Bobbi Jo & Warren Patrick Judge	0.93
	S52	7-11-22	Grant Hoskinson	3.63
	S53	7-11-22.1	West Virginia Department of Natural Resources	1.37
	S54	7-11-21	Michael Blaine Beagle	1
	S55	7-11-50	Michael William Hanlin	58.5
	S56	7-11-53	Haessly Land & Timber LLC	80
	S57	7-11-57	Ian & Robin Ann Weaver	274.06
	S58	7-10-7	Richard C & Rebecca D Beane	30
	S59	7-11-6	Richard C & Diane Beane	20
	S60	7-10-55	Richard C & Diane Beane	3.647
	S61	7-5-61	Joseph & Cynthia Ayers	35.981
	S62	7-5-62	Jay Bee Royalty, LLC	60.5
	S63	7-5-56	Spring Mountain Holding LLC	117.412
	S66	7-6-100.1	Tyrell W & Amanda L Childers	66.71
	S67	7-5-31	David Roger & Patty Sue McCartney	0.75
	S69	7-11-16	John A & Edith U Smith	189.21
	S70	7-5-34	Harold E Barnhart	72
	S71	7-5-32	Nellie M Barnhart	46.83
	S72	7-5-2	Teresa L Barnhart	78.5
	S75	7-5-86	Edwin A & Tracy L Meeks	1.675
	S76	7-1-6	Ottis D & Donna L Davis	6.184
	S77	7-1-1.2	David L & Jean Ann Henline	3.706
	S78	7-1-1.1	Ottis D & Donna L Davis	6.156
	S80	7-1-3	Bens Run Land Company Limited Partnership	372.76
	S81	7-6-1	James A & Lenora E Renner (Life)	100
	S82	7-6-13	Tyrell W Childers	16.46
	S83	7-11-25.1	Board of Education - Union District	0.57
	S84	1-11-25.8	Benny D & C Darlene Wharton	0.75
	S85	7-11-48	Michael Blaine Beagle	112.25
	S90	7-5-35	Mt. Nebo Church of Christ Tr	1.0
	S91	4-2-3	Max & Linda Hall	84
	S92	4-4-5	John P & Brenda J Riggs	58.5
	S93	7-5-3.1	Bens Run Land Company Limited Partnership	225

09/04/2026



Jay Bee
Oil & Gas

DRILLING
into the future

API #: 47-073-02632

WELL #: P5N4

DISTRICT: Union

COUNTY: Pleasants

STATE: WV

WELL PLAT

PAGE 3 OF 4

DATE: 04/24/2026

form ww6

JACKSON SURVEYING
INC.
2413 East Pike Street
#112
Clarksburg, WV 26301
304-623-5851

Jay-Bee Oil & Gas, Inc. - P5N-4 Permit - WW-6A1 Exhibit					
Tract	JB Tract #	District Tax Map/Parcel	Lessor, Grantor, Etc.	Deed Book/Page	Acres
A	P7207	07-11-29	Jay-Bee Royalty, LLC	312/470 312/199 312/465 312/481 316/347 318/674	165
B	P7206	07-11-27	Carl Edward Evans, Jr., et al	301/242	165
C	P7264	07-11-34	Christopher G Hall, et al	320/233	38.33
D	P7266	07-11-35	Jay-Bee Royalty, LLC	315/434 346/286 344/511 331/237	30.893
E	P7266	07-11-33	Edward W. Williamson, et al	311/321	14.25
F	P7267L	07-11-25.12	Joyce Kay Mixer Caputo, et al	317/25	21.267
G	P7267C	07-11-25.3	Joyce Kay Mixer Caputo, et al	317/25	5.621
H	P7267D	07-11-25.4	Joyce Kay Mixer Caputo, et al	317/25	1.5
I	DNR 5	Middle Island Creek	West Virginia Division of Natural Resources	329/653	2.34
J	P7267G	07-11-25.7	Joyce Kay Mixer Caputo, et al	317/25	40.88
K	P7041	07-11-1	Jay-Bee Royalty, LLC, et al	293/619	157.5
L	P7039	07-6-66	BB Land LLC, et al	330/180	85
M	P7122	07-6-64	BMB Enterprises, LLC, et al	293/620	69.887
N	P7098	07-6-111	BMB Enterprises, LLC, et al	293/620	321.62
O	P7227A	07-5-36	Donald A. Ash, et al	369/437	15
P	P7227	07-5-37	Donald A. Ash, et al	369/437	20
Q	P7227B	07-5-38	Berry WV OGM, LLC	369/488	11.211
R	P7225	07-5-3	Bens Run Minerals, LLC		176.13
S	Engle Run	Engle Run Creek	West Virginia Division of Natural Resources		0.48
T	P7113	07-1-5	Bens Run Minerals, LLC		139.21
U	P7224	07-1-2	Bens Run Minerals, LLC		46.78
V	Bens Run	Bens Run Creek	West Virginia Division of Natural Resources		1.36
W	Ohio River	Ohio River	West Virginia Division of Natural Resources		21.07

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JUN 03 2026

WV Department of
Environmental Protection



P.S.
708

David L Jackson

09/04/2026



Jay Bee
Oil & Gas
DRILLING
into the future

API #:	47-073-02632	WELL PLAT PAGE 4 OF 4 DATE: 04/24/2026
WELL #:	P5N4	
DISTRICT:	Union	
COUNTY:	Pleasants	
STATE:	WV	