

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

API 47-073-02573-00 County Pleasants District Union
Quad Ben's Run 7.5' Pad Name P4 Field/Pool Name _____
Farm name John A. & Edith U. Smith Well Number P4S3
Operator (as registered with the OOG) Jay-Bee Oil & Gas, Inc.
Address 3570 Shields Hill Road City Cairo State WV Zip 26337

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4364088.11 Easting 494013.23
Landing Point of Curve Northing 4364226.56 Easting 494192.97
Bottom Hole Northing 4361070.46 Easting 495903.18

Elevation (ft) 957.8' 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)
Anco Synthetic Based Mud System (oil base)

Date permit issued 7/24/2018 Date drilling commenced 12/3/2018 Date drilling ceased 12/18/2018
Date completion activities began 5/19/2019 Date completion activities ceased 6/27/2019
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 216' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths RECEIVED^N
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths Office of Oil and Gas
Is coal being mined in area (Y/N) N

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Reviewed by:
WV Department of Environmental Protection DmH
6-14-21
06/18/2021

API 47-073 - 02573-00 Farm name John A. & Edith U. Smith Well number P4S3

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			Yes
Surface	17.5"	13 3/8"	370'	New	H-40 48#	40'-330'	Yes
Coal							
Intermediate 1	11"	8 5/8"	2,156'	New	J55 24#	84' - 1,908'	Yes
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5.5"	18,154'	New	P110 20#	N/A	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							
Surface	Class A	376	15.6	1.1966	450	CTS	8
Coal							
Intermediate 1	Class A	661	15.6	1.1881	785	CTS	8
Intermediate 2							
Intermediate 3							
Production	Class A	2,670	14.5	1.1744	3,135	.350	8
Tubing							

Drillers TD (ft) 18,196' Loggers TD (ft) 18,196'
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5,310'

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 Steel body centralizer placed every 90' in lateral section.
 90 degree
 90-70 degree every second joint
 70 degree - KOP every third joint
 KOP - Surface centralizers placed every 500'

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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 _____

API 47- 073 - 02573-00 Farm name John A. & Edith U. Smith Well number P4S3

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	5/19/19	18047.5	17907.5	97	Marcellus
2	5/19/19	17858	17745.5	72	Marcellus
3	5/20/19	17668	17531.5	72	Marcellus
4	5/20/19	17474	17341.5	72	Marcellus
5	5/21/19	17290	17131.5	72	Marcellus
6	5/21/19	17056	16935.5	72	Marcellus
7	5/22/19	16880	16759.5	72	Marcellus
8	5/22/19	16697	16553.5	72	Marcellus
9	5/22/19	16500	16345.5	72	Marcellus
10	5/23/19	16286	16161.5	72	Marcellus
11	5/24/19	16106	15961.5	72	Marcellus
12	5/24/19	15907	15757.5	72	Marcellus
13	5/24/19	15704	15587.5	72	Marcellus
14	5/25/19	15524	15365.5	72	Marcellus
15	5/25/19	15314	15174.5	72	Marcellus
16	5/25/19	15124	14973.5	72	Marcellus

Please insert additional pages as applicable.

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	5/19/19	76.30	7,462	8,060	3,583	248,312	7,766	n/a
2	5/19/19	73.7	6,871	6,010	3,425	255,255	8,089	n/a
3	5/20/19	73.1	6,860	4,939	2,985	272,530	7,742	n/a
4	5/20/19	71.9	7,405	4,168	2,756	275,044	8,091	n/a
5	5/21/19	75.1	6,883	4,844	2,943	274,519	8,106	n/a
6	5/21/19	75.1	6,906	4,651	2,882	275,762	7,880	n/a
7	5/22/19	74.9	6,882	5,631	3,139	275,077	7,819	n/a
8	5/22/19	76.0	6,800	4,918	2,631	273,598	8,128	n/a
9	5/22/19	74.7	7,129	3,934	3,129	274,878	7,960	n/a
10	5/23/19	74.4	7,184	4,757	3,300	256,936	7,820	n/a
11	5/24/19	74.2	7,452	5,534	3,349	270,184	8,027	n/a
12	5/24/19	75.4	7,091	5,828	2,951	275,112	8,050	n/a
13	5/24/19	74.9	6,996	4,969	2,505	244,690	7,575	n/a
14	5/25/19	74.4	7,160	4,332	2,814	270,774	10,290	n/a
15	5/25/19	75.4	6,863	4,536	2,886	274,607	7,893	n/a
16	5/25/19	74.1	6,583	4,687	2,772	272,515	7,842	n/a

Please insert additional pages as applicable.

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17	5/26/19	14916	14783.5	72	Marcellus
18	5/26/19	14729	14581.5	72	Marcellus
19	5/27/19	14530	14373.5	72	Marcellus
20	5/27/19	14322	14187.5	72	Marcellus
21	5/27/19	14118	13989.5	72	Marcellus
22	5/28/19	13936	13807.5	72	Marcellus
23	5/28/19	13736	13591.5	72	Marcellus
24	6/12/19	13526.5	13405	72	Marcellus
25	6/12/19	13346	13180.5	72	Marcellus
26	6/13/19	13134	13021.5	72	Marcellus
27	6/13/19	12954	12810.5	72	Marcellus
28	6/14/19	12751	12605.5	72	Marcellus
29	6/14/19	12534	12393.5	72	Marcellus
30	6/15/19	12340	12209.5	72	Marcellus
31	6/15/19	12148	12029.5	72	Marcellus
32	6/16/19	11958	11821.5	72	Marcellus

Please insert additional pages as applicable.

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17	5/26/19	75.3	6,847	4,758	2,965	273,887	7,857	n/a
18	5/26/19	73.4	6,787	4,756	3,057	273,842	7,789	n/a
19	5/27/19	76.4	6,802	4,603	3,495	273,819	7,927	n/a
20	5/27/19	76.0	6,793	5,574	4,141	267,929	7,678	n/a
21	5/27/19	75.5	6,607	6,044	3,456	269,850	7,827	n/a
22	5/28/19	75.1	6,800	5,573	3,151	273,574	7,966	n/a
23	5/28/19	75.3	6,553	5,787	7,929	249,200	7,689	n/a
24	6/12/19	67.1	8,494	n/a	5,872	10,129	5,441	n/a
25	6/12/19	75.4	6,465	7,645	3,100	275,077	8,613	n/a
26	6/13/19	75.1	6,152	4,448	3,281	274,574	8,453	n/a
27	6/13/19	74.8	6,181	4,886	3,675	275,306	8,526	n/a
28	6/14/19	74.9	6,371	4,964	3,610	273,911	8,331	n/a
29	6/14/19	73.5	6,149	5,307	3,131	272,520	8,377	n/a
30	6/15/19	74.9	6,358	4,550	3,135	275,014	8,360	n/a
31	6/15/19	73.6	6,295	4,482	3,698	256,476	8,354	n/a
32	6/16/19	75.1	6,288	4,728	3,609	274,362	8,455	n/a

Please insert additional pages as applicable.

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33	6/16/19	11772	11617.5	72	Marcellus
34	6/17/19	11556	11429.5	72	Marcellus
35	6/18/19	11368	11227.5	72	Marcellus
36	6/19/19	11174	11033.5	72	Marcellus
37	6/20/19	10968	10815.5	72	Marcellus
38	6/22/19	10752	10647.5	72	Marcellus
39	6/22/19	10582	10437.5	72	Marcellus
40	6/23/19	10382	10355.5	72	Marcellus
41	6/23/19	10208	10057.5	72	Marcellus
42	6/23/19	9998	9865.5	72	Marcellus
43	6/24/19	9802	9668.5	72	Marcellus
44	6/24/19	9606	9464.5	72	Marcellus
45	6/24/19	9402	9249.5	72	Marcellus
46	6/24/19	9184	9057.5	72	Marcellus
47	6/25/19	9002	8853.5	72	Marcellus
48	6/25/19	8788	8677.5	72	Marcellus

Please insert additional pages as applicable.

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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)
33	6/16/19	75.4	6,370	4,379	3,230	275,134	8,474	n/a
34	6/17/19	56.3	7,543	4,484	4,564	4,500	8,308	n/a
35	6/18/19	66.3	8,020	6,266	5,683	15,039	9,462	n/a
36	6/19/19	114	8,051.5	6,135	5,461	60,782	7,622	n/a
37	6/20/19	62.5	8,070	6,385	4,741	67,829	8,040	n/a
38	6/22/19	50.3	8,872	6,751	6,596	11,318	7,127	n/a
39	6/22/19	60.0	8,468	7,035	5,203	13,212	3,972	n/a
40	6/23/19	64.8	8,803	7,207	6,183	15,633	5,546	n/a
41	6/23/19	75.0	6,289	7,033	2,966	274,415	8,474	n/a
42	6/24/19	71.3	6,111	5,383	3,253	274,757	8,848	n/a
43	6/24/19	76.0	6,128	4,572	3,304	273,474	8,308	n/a
44	6/24/19	74.6	5,992	4,733	3,123	277,738	8,461	n/a
45	6/24/19	75.4	5,636	4,912	3,198	254,637	7,861	n/a
46	6/24/19	76.0	6,145	4,016	3,247	256,056	7,797	n/a
47	6/25/19	75.7	6,158	4,231	3,391	253,156	7,786	n/a
48	6/25/19	76.0	6,218	5,806	3,493	229,341	7,171	n/a

Office of Oil and Gas

Please insert additional pages as applicable.

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49	6/25/19	8624	8469.5	72	Marcellus
50	6/25/19	8416	8275.5	72	Marcellus
51	6/26/19	8204	8083.5	72	Marcellus
52	6/26/19	8034	7873.5	72	Marcellus
53	6/26/19	7824	7687.5	72	Marcellus
54	6/26/19	7624	7457.5	72	Marcellus
55	6/26/19	7380	7257.5	72	Marcellus
56	6/26/19	7194	7075.5	72	Marcellus
57	6/27/19	7026	6905.5	72	Marcellus
58	6/27/19	6858	6705.5	72	Marcellus
59	6/27/19	6652	6559.5	72	Marcellus
60	6/27/19	6497	6335.5	72	Marcellus

Please insert additional pages as applicable.

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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)
49	6/25/19	75.9	5,614	4,614	3,153	254,790	7,727	n/a
50	6/25/19	75.9	5,750	3,671	3,069	254,672	7,750	n/a
51	6/26/19	76.2	5,545	3,931	2,945	253,733	7,660	n/a
52	6/26/19	75.3	5,659	3,933	3,145	253,367	7,640	n/a
53	6/26/19	75.6	5,639	3,665	3,371	254,678	7,612	n/a
54	6/26/19	75.4	6,031	4,522	3,260	255,756	7,640	n/a
55	6/26/19	75.2	5,475	3,807	3,271	255,170	7,682	n/a
56	6/26/19	76.0	5,532	3,991	3,428	253,962	7,664	n/a
57	6/27/19	75.8	5,661	4,103	3,214	254,454	7,551	n/a
58	6/27/19	75.8	5,518	4,479	3,043	254,208	7,600	n/a
59	6/27/19	75.1	5,367	3,916	3,650	253,062	7,721	n/a
60	6/27/19	75.8	5,518	3,886	3,489	241912	7,406	n/a

Please insert additional pages as applicable.

OIL AND GAS RECLAMATION NOTICE

TO:

Name _____

Address _____

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 - 02573 _____ ;
Acreage _____ ;
Watershed Middle Island Creek _____ ;
District Union _____ ;
County Pleasants _____ ;
Public Road Access Arvilla Road _____ ;
Generally used farm name Jay-Bee Oil & Gas, Inc. _____ .

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 3570 Shields Hill Road
Cairo, WV 26337
Telephone 304-628-3111

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JAY BEE OIL & GAS INC.		
2/1/2019	P4 Pad	979 KB
	ELEVATION	958
FORMATION	TVD TOP at KB	
INJUN	2010	
GORDON	2768	
HAMILTON	5318	
UPPER Marcellus	5792	
PARCELL LME	5803	
LOWER MARCELLUS	5885	
Onondaga	5934	
Oriskany	6122	
Bass Islands	6600	
Salina	6656	
Wills Creek	7289	
Lockport	7529	
McKenzie	7743	
Rose Hill	7832	
Clinton-Medina	8201	
Queenston	8385	
Reedsville	9177	
Utica	10083	
Point Pleasant SH	10227	
Trenton	10328	

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06/18/2021



JAY-BEE OIL & GAS, INC.

April 20, 2021

Jackie N. Thornton
Office of Oil and Gas
West Virginia Dept. of Environmental Protection
601 57th Street SE
Charleston, WV 25304

RE: P4 Frac Focus Reports

Dear Ms. Thornton:

Jay-Bee Oil & Gas, Inc. contracted B.J. Services to conduct frac operations on several wells situate on our P4 drilling pad. B.J. Services failed to upload their reports on those frac jobs and has subsequently gone out of business and filed for bankruptcy. We have made numerous attempts to retrieve these reports from B.J. Services without any success and the information is not available to us. Therefore, their reports are not included in of the following WR-35 Completions Reports

- P4S3 – API# 47-073-02573
- P4S4 – API# 47-073-02572
- P4N5 – API# 47-073-02575
- P4N2U – API# 47-073-02578

I would like to apologize in advance for any confusion this will cause. Please feel free to contact me with any questions you may have.

Sincerely,

Kim Swiger
Landman/Permitting Agent

P.O. Box 180, Bridgeport, WV 26330 • Phone 304-933-3878 • Fax 304-933-3879

06/18/2021

