

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

API 47-073-02575 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 P4N5
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 4364090.44 Easting 493994.09
Landing Point of Curve Northing 4364066.96 Easting 493636.08
Bottom Hole Northing 4366281.08 Easting 492487.32

Elevation (ft) 957.6' 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 8/1/2018 Date drilling commenced 10/27/2018 Date drilling ceased 11/16/2018
Date completion activities began 5/19/2019 Date completion activities ceased 7/2/2019
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 _____
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths _____
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

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Environmental Protection
N

Reviewed by:
DMH
6-14-21
06/18/2021

API 47-073 - 02575 Farm name John A. & Edith U. Smith Well number P4N5

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			Y
Surface	17.5"	13 3/8"	370'	New	48# H-40	40'-330'	Y
Coal							
Intermediate 1	11"	8.625"	2,141'	New	24# J-55	84'-2,101'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5.5"	14,604'	New	20# P110	N/A	Y
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	400	15.6	1.196	450	CTS	8
Coal							
Intermediate 1	Class A	661	15.6	1.188	785	CTS	8
Intermediate 2							
Intermediate 3							
Production	Class A	2,233	14.5	1.174	2,622	330'	8
Tubing							

Drillers TD (ft) 14,642 Loggers TD (ft) 14,642
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5,314'

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'

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

WV Department of Environmental Protection

API 47-073 - 02575

Farm name John A. & Edith U. Smith

Well number P4N5

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	5/20/19	14451.5	14367.5	97	Marcellus
2	5/21/19	14300	14240	72	Marcellus
3	6/12/19	14152.5	14064	72	Marcellus
4	6/12/19	13960	13850	72	Marcellus
5	6/13/19	13752	13670	72	Marcellus
6	6/13/19	13580	13482	72	Marcellus
7	6/13/19	13392	13278	72	Marcellus
8	6/13/19	13176	13060	72	Marcellus
9	6/14/19	12980	12882	72	Marcellus
10	6/14/19	12780	12672	72	Marcellus
11	6/15/19	12584	12490	72	Marcellus
12	6/15/19	12404	12302	72	Marcellus
13	6/16/19	12198	12100	72	Marcellus
14	6/17/19	12010	11902	72	Marcellus
15	6/17/19	11826	11730	72	Marcellus
16	6/18/19	11646	11540	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	5/20/19	75	6,412	6,153	2,217	274,772	7,571	n/a
2	5/21/19	78.6	6,688	6,769	N/A	238,886	6,289	n/a
3	6/12/19	74	6,411	N/A	4,290	263,612	8,300	n/a
4	6/13/19	75.8	6,303	6,421	3,631	270,277	8,337	n/a
5	6/13/19	73.4	6,534	5,900	3,432	266,354	8,244	n/a
6	6/13/19	73.2	6,503	4,691	3,354	269,089	8,217	n/a
7	6/14/19	75.1	6,619	5,944	3,278	276,345	8,407	n/a
8	6/14/19	74.1	6,463	5,560	3,712	272,855	8,417	n/a
9	6/15/19	74.2	6,371	5,157	2,991	273,646	8,471	n/a
10	6/15/19	74	6,477	4,828	3,197	272,516	8,316	n/a
11	6/16/19	75.1	6,492	6,236	3,662	271,039	8,369	n/a
12	6/16/19	75	6,439	4,728	3,691	274,611	8,762	n/a
13	6/17/19	75.4	6,542	6,151	3,647	278,212	8,527	n/a
14	6/18/19	75.7	6,398	4,990	3,951	271,183	8,271	n/a
15	6/18/19	75.1	6,170	5,498	2,880	272,820	8,490	n/a
16	6/19/19	75.3	6,401	4,264	2,676	275,095	8,474	n/a

Please insert additional pages as applicable.

WV Department of Environmental Protection
Office of Oil and Gas
MAY 03 2021

API 47-073 - 02575

Farm name John A. & Edith U. Smith

Well number P4N5

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	6/19/19	11446	11318	72	Marcellus
18	6/20/19	11230	11128	72	Marcellus
19	6/20/19	11047	10901	72	Marcellus
20	6/20/19	10826	10740	72	Marcellus
21	6/21/19	10650	10526	72	Marcellus
22	6/28/19	10446	10360	72	Marcellus
23	6/28/19	10264	10163	72	Marcellus
24	6/29/19	10068	9978	72	Marcellus
25	6/29/19	9878	9807	72	Marcellus
26	6/29/19	9715	9558	72	Marcellus
27	6/29/19	9486	9373	72	Marcellus
28	6/29/19	9283	9178	72	Marcellus
29	6/29/19	9095	8983	72	Marcellus
30	6/30/19	8910	8806	72	Marcellus
31	6/30/19	8710	8595	72	Marcellus
32	6/30/19	8508	8424	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)
17	6/19/19	74.5	6,154	4,455	3,218	272,891	8,452	n/a
18	6/20/19	74.5	6,352	4,399	2,915	274,495	8,397	n/a
19	6/20/19	74.4	6,185	4,353	3,284	275,941	8,519	n/a
20	6/20/19	75.8	6,128	4,336	3,463	275,576	8,285	n/a
21	6/21/19	75.8	6,174	4,418	3,418	273,083	7,671	n/a
22	6/28/19	76	6,013	4,718	3,326	254,151	7,728	n/a
23	6/28/19	75.8	5,968	4,789	3,343	253,115	6,772	n/a
24	6/29/19	88	6,199.4	5,024	3,732	248,921	7,661	n/a
25	6/29/19	71.4	5,765	5,403	3,248	251,568	7,649	n/a
26	6/29/19	75.6	6,012	4,311	3,013	262,752	8,029	n/a
27	6/29/19	75.8	5,907	4,314	2,787	253,225	7,770	n/a
28	6/29/19	71.5	5,690	4,243	3,201	251,605	7,660	n/a
29	6/29/19	75.9	5,820	5,820	5,220	251,570	7,682	n/a
30	6/30/19	75.4	5,722	4,351	2,824	252,664	7,526	n/a
31	6/30/19	75.3	5,763	4,004	2,852	254,966	7,807	n/a
32	6/30/19	75.6	5,805	3,581	3,708	253,331	7,684	n/a

Please insert additional pages as applicable.

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06/18/2021

API 47- 073 - 02575-000 Farm name John A. & Edith U. Smith Well number P4N5

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
33	6/30/19	8322	8213	72	Marcellus
34	7/1/19	8132	8054	72	Marcellus
35	7/1/19	7952	7821	72	Marcellus
36	7/1/19	7730	7604	72	Marcellus
37	7/1/19	7516	7446	72	Marcellus
38	7/1/19	7348	7260	72	Marcellus
39	7/2/19	7174	7075	72	Marcellus
40	7/2/19	6988	6896	72	Marcellus
41	7/2/19	6788	6727	72	Marcellus
42	7/3/19	6628	6524	72	Marcellus
43	7/3/19	6414	6342	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)
33	6/30/19	73.5	5,613	4,677	2,789	250,815	7,592	n/a
34	7/1/19	74.1	5,440	3,716	2,697	251,158	7,688	n/a
35	7/1/19	71.7	5,994	4,200	3,209	206,706	7,081	n/a
36	7/1/19	75.3	5,790	5,831	3,201	253,379	8,078	n/a
37	7/1/19	75.5	5,795	3,852	3,416	253,422	7,711	n/a
38	7/1/19	73.9	5,489	4,066	3,482	251,141	7,735	n/a
39	7/2/19	68.7	5,466	4,156	3,530	250,681	7,725	n/a
40	7/2/19	76	5,778	5,104	3,268	253,411	7,667	n/a
41	7/2/19	76.1	5,136	4,296	2,824	255,406	7,690	n/a
42	7/3/19	74.6	5,357	4,182	3,314	249,159	7,726	n/a
43	7/3/19	75.1	5,195	4,202	3,296	269,890	8,211	n/a

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Please insert additional pages as applicable.

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WV Dept. of Environmental Protection
06/18/2021

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 - 02575 _____ ;
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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WV Department of
Environmental Protection

06/18/2021

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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Environmental Protection

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

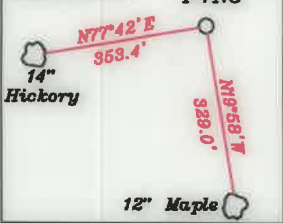
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WV Department of
Environmental Protection

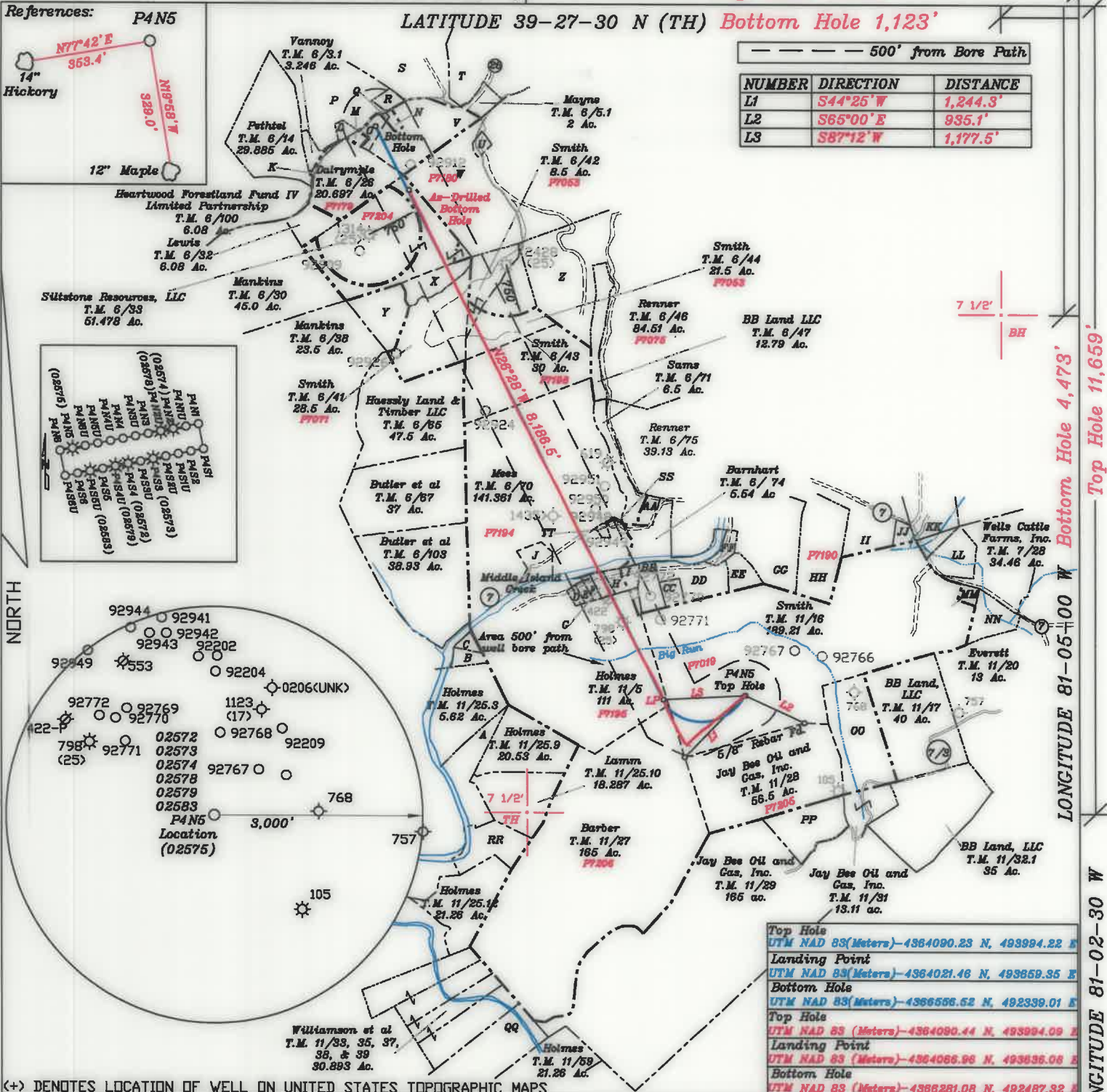
06/18/2021

References:



----- 500' from Bore Path

NUMBER	DIRECTION	DISTANCE
L1	S44°25'W	1,244.3'
L2	S65°00'E	935.1'
L3	S87°12'W	1,177.5'

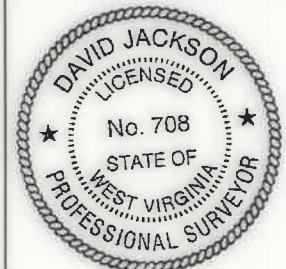


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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 June 22, 2020
 OPERATOR'S WELL NO. P4N5
 API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION STORAGE _____ DEEP _____ SHALLOW

LOCATION: ELEVATION 957.6' WATER SHED Big Run of Outlet Middle Island Creek (HUC-10)
 DISTRICT Union COUNTY Pleasants
 QUADRANGLE Bens Run 7 1/2'

SURFACE OWNER John A. Smith & Edith U. Smith. ACREAGE 189.21 Ac.
 OIL & GAS ROYALTY OWNER John A. Smith & Edith U. Smith. LEASE ACREAGE 189.21 Ac.
 LEASE NO. See above & Page 2

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ ERASURE OR
 STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 5,890'; TMD = 14,654'
 WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
 ADDRESS 60 Walnut Avenue, Suite 190, Union, NJ 07066 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337

06/18/2021

LONGITUDE 81-05-00 W Bottom Hole 4,473' Top Hole 11,659'

WELL BORE TABLE FOR PROPERTY OWNERS				
TRACT	OWNER	TM	PARCEL ACRES	Lease Numbers
A	MIXER ET AL	11	/ 25.2	4.687
B	HOLMES	11	/ 4	1.0
C	HOLMES	11	/ 3.1	1.75
D	VERARDI & WINEMAN	11	/ 6	0.92 P7195A
E	HOLMES	11	/ 7	1.0 P7195
F	HOLMES	11	/ 8	5.85 P7195
G	CORRIGAN	11	/ 9	0.92 P7195B
H	CULPEPPER CATTLE COMPANY INC	11	/ 10	0.92 P7195C
I	CULPEPPER CATTLE COMPANY INC	11	/ 11	1.37
J	LONAS	6	/ 70.1	4.639 P7194B
K	VANNOY	6	/ 26.1	0.916
L	CEMETERY	6	/ 104	1.0
M	CECIL	6	/ 27	1.0
N	URBAN	6	/ 17.1	1.0
O	DALRYMPLE ET AL	6	/ 15	2.86 P7177A
P	RENNER	6	/ 3	59.314
Q	URBAN	6	/ 16	0.14
R	CARROLL & RYAN	6	/ 3.2	2.062
S	URBAN	6	/ 4	49.61
T	LEECH	6	/ 5	22.478
U	GREEN	6	/ 28.1	1.152
V	GREEN	6	/ 17	21.567 P7177
W	PAYNE & GREEN	6	/ 28	66.848
X	SMITH	6	/ 40	6.5 P7055
Y	MANKINS	6	/ 39	25.5
Z	BREMEN & ROBERTSON	6	/ 45	30.0 P7185
AA	BARNHART	6	/ 73	1.25
BB	BLAKE	11	/ 12	5.0
CC	BOWIE	11	/ 13	3.25
DD	BOWIE	11	/ 14	12.855
EE	BOWIE	6	/ 92	1.0
FF	BOWIE	6	/ 91	1.95
GG	RENNER	6	/ 90.3	20.791 P7072
HH	SMITH	6	/ 106	21.46 P7190
II	BUZZARD	6	/ 84	10.5
JJ	REGULAR BAPTIST CHURCH OF JESUS CHRIST	6	/ 108	2.0
KK	JAY BEE OIL AND GAS, LLC.	6	/ 85	27.53
LL	CORRIGAN	6	/ 105	2.165
MM	LAUER	11	/ 16.1	1.5
NN	LAUER	11	/ 16.2	3.29
OO	BB LAND LLC	11	/ 18	26.75 P7048
PP	JAY BEE OIL AND GAS INC	11	/ 30	25.14
QQ	HALL	11	/ 34	38.34
RR	HOLMES	11	/ 25.11	10.649
SS	JENSEN	6	/ 68	0.5 P7194C
TT	JENSEN & BARNHART	6	/ 69	1.0 P7194D



P.S.
708

David L Jackson



Jay Bee
Oil & Gas

DRILLING
into the future

OPERATOR'S
WELL #: P4N5
WELL # #: 47-073-02575
DISTRICT: UNION
COUNTY: PLEASANTS
STATE: WV

06/18/2021
WELL PLAT
PAGE 2 OF 2
DATE: 06/22/2020