

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

API 47-073-02574-00 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 P4N2
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 4364094.93 Easting 494018.03
Landing Point of Curve Northing 4364415.86 Easting 494298.49
Bottom Hole Northing 4366251.94 Easting 493259.84

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 8/2/2018 Date drilling commenced 12/22/2018 Date drilling ceased 1/12/2019
Date completion activities began N/A Date completion activities ceased N/A
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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MAY 03 2021

WV Department of
Environmental Protection
Reviewed by:

DmH

6-14-21
06/18/2021

API 47- 073 - 02574-00 Farm name John A. & Edith U. Smith Well number P4N2

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"		New			
Surface	17.5"	13 3/8"	404'	New	H40-48#	85'-379'	Y
Coal							
Intermediate 1	11"	8 5/8"	2,100'	New	HCP110-20#	209'-2,057'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5.5"	13,910'	New	P110-23#	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	376	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	N/A	N/A	N/A	N/A	N/A	N/A
Tubing							

Drillers TD (ft) 13,910' Loggers TD (ft) 13,910'
 Deepest formation penetrated Marcellus Plug back to (ft) 3,750'
 Plug back procedure N/A

Kick off depth (ft) 5,550'

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS Well was only drilled and never completed

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

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API 47- 073 - 02574-00 Farm name John A. & Edith U. Smith Well number P4N2

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

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								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

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Please insert additional pages as applicable.

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PRODUCING FORMATION(S)

DEPTHS

Marcellus 5,912' TVD 13,910' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ 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 207 Carlton Drive City Eighty Four State PA Zip 15330

Logging Company Stratagraph NE Inc.
Address 116 Ellsworth Avenue City Marietta State OH Zip 45750

Cementing Company BJ Services
Address 3415 Millennium Boulevard City Massillon State OH Zip 44646

Stimulating Company N/A
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Kim Swiger Telephone 304-628-3111
Signature *Kim Swiger* Title Permitting Agent Date 4/19/2021

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Office of Oil and Gas
MAY 03 2021
Date 4/19/2021
Environmental Protection

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

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 - 02574 _____ ;
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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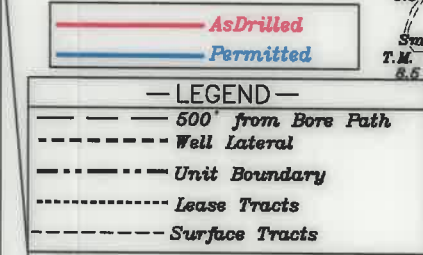
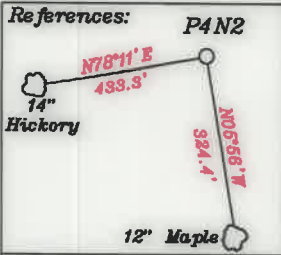
WV Department of
Environmental Protection

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	

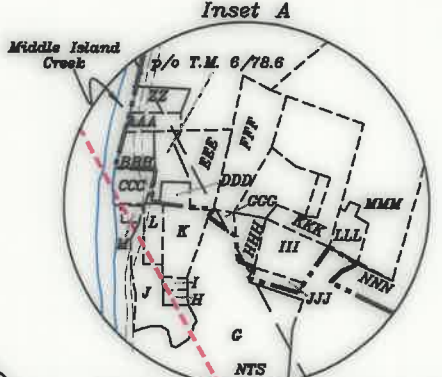
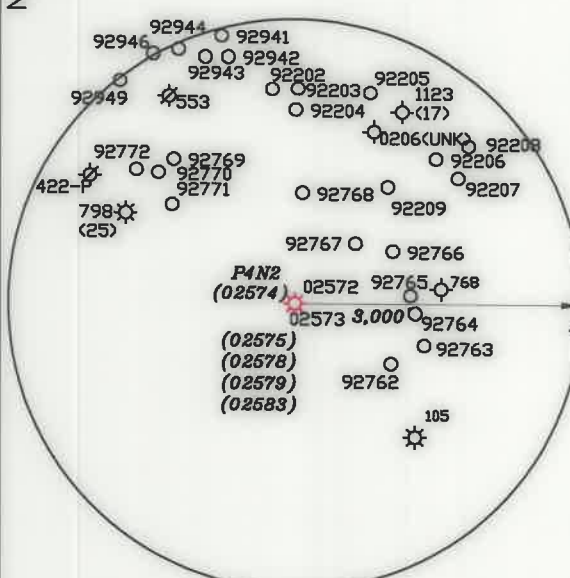
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Notes:

- All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.
- Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 88.



3. 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.

NUMBER	DIRECTION	DISTANCE
L1	S46°28' W	1,310'
L2	S62°01' E	871'
L3	N42°06' E	1,399'

Top Hole
UTM NAD 83 (Meters) - 4364095.37 N, 494018.04 E
Landing Point
UTM NAD 83 (Meters) - 4364497.34 N, 494246.71 E
Bottom Hole
UTM NAD 83 (Meters) - 4366252.36 N, 493261.46 E
Top Hole
UTM NAD 83 (Meters) - 4364094.93 N, 494018.03 E
Landing Point
UTM NAD 83 (Meters) - 4364415.86 N, 494298.49 E
Bottom Hole
UTM NAD 83 (Meters) - 4366251.94 N, 493259.84 E

(+) 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 2 2020
OPERATOR'S WELL NO. P4N2
API WELL NO. _____

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

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

PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE 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 = 5,912'; TMD = 13,910'
WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
ADDRESS 1720 Route 22 E, Union, NJ 07083 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337

Bottom Hole 4,567' Top Hole 11,643' LONGITUDE 81-02-30 W

JACKSON SURVEYING
INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

WELL BORE TABLE FOR PROPERTY OWNERS

TRACT	OWNER	TM PARCEL	ACRES	Lease Numbers
A	JAY BEE OIL AND GAS INC	11 / 30	25.14	
B	BLAKE	11 / 12	5.0	
C	BOWIE	11 / 13	3.25	
D	BOWIE	11 / 14	12.855	
E	BOWIE	6 / 92	1.0	
F	BOWIE	6 / 91	1.95	
G	RENNER	6 / 90.3	20.791	P7072
H	HOLMES	6 / 88	0.17	P7077
I	HOLMES	6 / 87	0.17	P7077
J	FLEMING	6 / 90.1	6.08	P7077
K	HOLMES	6 / 89	1.73	P7077
L	WHARTON	6 / 98	0.686	P7077
M	WHARTON	6 / 107	0.002	P7077E
N	RUMBERG	6 / 75.1	0.53	
O	DELANCEY	6 / 75.4	0.893	
P	DELANCEY	6 / 75.5	0.42	
Q	ENRIGHT	6 / 75.3	2.28	
R	SATTERFIELD	6 / 75.2	0.24	
S	STOLLINGS	6 / 75.6	1.5	
T	BARNHART	6 / 73	1.25	
U	GREEN	6 / 28.1	1.152	
V	DALRYMPLE	6 / 5.4	0.23	
W	DALRYMPLE	6 / 5.10	0.5	
X	DALRYMPLE ET AL	6 / 5.6	1.75	
Y	BILLS & MORGAN	6 / 5.2	1.5	
Z	NORTHCRAFT	6 / 20	0.9	
AA	NORTHCRAFT	6 / 21	0.75	
BB	TICE	6 / 29	2.25	P7181B
CC	NORTHCRAFT	6 / 19	10.0	P7181A
DD	BB LAND LLC	6 / 48	20.75	
EE	OWENS	6 / 50.1	2.22	
FF	K. DECKER	6 / 51	0.76	
GG	K. DECKER	6 / 51.1	0.37	
HH	W. DECKER	6 / 52	1.26	
II	W. DECKER	6 / 52.1	0.51	
JJ	ADAMS	6 / 53	0.768	
KK	HOLMES	6 / 54 + 55	0.99	
LL	HATCHER & HIGGINS	6 / 56 + 46.2	1.0	
MM	WILLIAMS	6 / 57	1.0	
NN	GREGG & COWAN	6 / 58	1.0	
OO	DAY	6 / 46.1	0.35	
PP	DAY	6 / 46.3	0.66	
QQ	SATTERFIELD	6 / 59	0.77	
RR	SATTERFIELD	6 / 60	0.74	
SS	CURRY	6 / 76	2.067	
TT	EDWARDS	6 / 76.3	4.57	P7075A
UU	VENDERLIC	6 / 76.2	1.27	P7075A
VV	VENDERLIC	6 / 76.1	1.93	P7075A
WW	EDWARDS	6 / 77	2.75	P7192B
XX	EDWARDS	6 / 95	4.93	P7032
YY	BENNETT	6 / 95.1	0.56	P7032
ZZ	RENNER	6 / 78.4	1.2	
AAA	ONESTINGHEL	6 / 78.3	1.2	
BBB	KIMBALL	6 / 78.2	1.06	
CCC	GROSE	6 / 78.1	0.74	P7188C
DDD	TUCKER	6 / 78	0.52	
EEE	TUCKER	6 / 78.5	2.0	
FFF	RENNER	6 / 80	3.995	
GGG	KALINOFSKI	6 / 90	0.75	
HHH	NAGLE	6 / 93	1.13	
III	NAGLE	6 / 94	2.67	
JJJ	NAGLE	6 / 90.2	0.5	
KKK	HARMAN	6 / 94.1	0.33	
LLL	NAGLE	6 / 82.2	1.65	
MMM	RENNER	6 / 82.1	1.0	
NNN	DRANE	6 / 106.1	1.5	
OOO	SMITH	6 / 106	21.46	P7190
PPP	BUZZARD	6 / 84	10.5	
QQQ	REGULAR BAPTIST CHURCH OF JESUS CHRIST	6 / 108	2.0	
RRR	JAY BEE OIL AND GAS, LLC.	6 / 85	27.53	
SSS	CORRIGAN	6 / 105	2.165	
TTT	LAUER	11 / 16.1	1.5	
UUU	LAUER	11 / 16.2	3.29	
VVV	BB LAND LLC	11 / 18	26.75	
WWW	BREMEN ET AL	6 / 45	30.0	P7185
XXX	STEWART	6 / 34	26.83	P7184
YYY	PAYNE & GREEN	6 / 28	66.848	
ZZZ	NORTHCRAFT ET AL	6 / 18	31.75	
AAAA	SMITH	6 / 44	21.5	



P.S.
708

David L Jackson

06/18/2021



Jay Bee
Oil & Gas

DRILLING
into the future

OPERATOR'S

WELL #: P4N2

WELL PLAT

DISTRICT:

UNION

PAGE 2 OF 2

COUNTY:

PLEASANTS

DATE: 06/02/2020

STATE: WV