

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

API 47 - 095 - 02096 County Tyler District McElroy  
Quad Shirley 7.5' Pad Name RPT5 Field/Pool Name \_\_\_\_\_  
Farm name Jay-Bee Oil & Gas, Inc. Well Number RPT5-3  
Operator (as registered with the OOG) Jay-Bee Oil & Gas, Inc.  
Address 3570 Shields Hill Rd. 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 4,369,716.1 Easting 517,781.5  
Landing Point of Curve Northing 4,369,640.2 Easting 518,183.4  
Bottom Hole Northing 4,367,652.1 Easting 518,640.3

Elevation (ft) 1258' 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)  
EZ-MUD (hydrotreated light petroleum distillate)

Date permit issued 4/23/2013 Date drilling commenced 6/17/2013 Date drilling ceased 8/1/2013  
Date completion activities began 9/10/2013 Date completion activities ceased 4/26/2014  
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 N/A 188.5 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft ~~188.5~~ 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

**APPROVED**

NAME: Jacqueline Ihnuta  
DATE: 8/9/16

APR 27 2015

Reviewed by:

Office of Oil and Gas  
WV Dept. of Environmental Protection

AX 10/07/2016  
08/03/16

API 47-095 - 02096 Farm name Jay-Bee Oil & Gas, Inc. Well number RPT5-3

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	17"	16"	30'	New	20/32/24	50'	Yes
Surface	15"	11 3/4"	570'	New	20/23/24	50'	Yes
Coal							
Intermediate 1	11"	8 5/8"	2,430'	New	20/17/24	50'	Yes
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5 1/2"	14,790'	New	20/24/24	50'	Yes
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor							
Surface	Class A	325	15.4	1.25	406	CTS	0
Coal							
Intermediate 1	Class A	650	14.5	1.45	943	CTS	0
Intermediate 2							
Intermediate 3							
Production	Class A	1,854	14.3	1.35	2,504	1000' from surface	0
Tubing							

Drillers TD (ft) 14,822' Loggers TD (ft) 14,822'  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 6,120

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 Spiral centralizer every joint from TD back to start of 90 degree.  
90-70 degree every second joint.  
70 degree - KOP every third joint.  
KOP - Surface bow centralizer placed every 500'.

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 \_\_\_\_\_

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WV Dept. of Environmental Protection

Received

APR 27 2015

API 47- 095 - 02096 Farm name Jay-Bee Oil & Gas, Inc. Well number RPT5-3

**PERFORATION RECORD**

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	3/5/2014	14579	14768	96	Marcellus
2	3/8/2014	14287	14544	72	Marcellus
3	3/11/2014	13962	14252	72	Marcellus
4	3/12/2014	13700	13927	72	Marcellus
5	2/13/2014	13416	13665	72	Marcellus
6	3/14/2014	13142	13381	72	Marcellus
7	3/17/2014	12968	13107	72	Marcellus
8	3/21/2014	12668	12933	72	Marcellus
9	3/25/2014	12422	12633	48	Marcellus
10	3/27/2014	12082	12387	48	Marcellus
11	3/28/2014	11786	12047	48	Marcellus
12	4/1/2014	11566	11751	48	Marcellus
13	4/7/2014	11225	11531	48	Marcellus
14	4/10/2014	11005	11190	48	Marcellus
15	4/11/2014	10742	10954	48	Marcellus
16	4/12/2014	10438	10707	48	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	3/6/14	61.7	7059	5587	4245	1204	11468	N/A
2	3/11/14	67.7	7433	7185	5161	1024	6592	N/A
3	3/12/14	70.5	7113	6398	5424	1331	7255	N/A
4	3/13/14	65.0	8055	6270	5183	975	8055	N/A
5	3/14/14	66.4	7100	5633	4925	1265	7602	N/A
6	3/15/14	68.3	7075	6841	4857	1493	9999	N/A
7	3/19/14	69.4	6667	6130	5275	1585	9172	N/A
8	3/24/14	67.8	7057	5031	4892	1288	9837	N/A
9	3/26/14	66.6	6988	6211	5227	1282	8870	N/A
10	3/27/14	69.4	6831	5581	5645	2051	13459	N/A
11	3/31/14	68.0	7253	5418	5330	712	6925	N/A
12	4/3/14	68.8	6867	4738	4476	1239	8545	N/A
13	4/8/14	69.7	6677	6410	4819	1451	7980	N/A
14	4/10/14	69.2	6644	5706	5289	1751	8682	N/A
15	4/13/14	67.6	6842	5750	5063	1606	10298	N/A
16	4/13/14	71.1	6576	7861	5140	1748	10992	N/A

Please insert additional pages as applicable.

APR 27 2015

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	4/15/2014	10140	10390	48	Marcellus
18	4/16/2014	9902	10105	48	Marcellus
19	4/18/2014	9636	9817	48	Marcellus
20	4/20/2014	9368	9601	48	Marcellus
21	4/21/2014	9148	9306	48	Marcellus
22	4/22/2014	8843	9113	72	Marcellus
23	4/24/2014	8582	8808	72	Marcellus
24	4/25/2014	8274	8547	48	Marcellus
25	4/25/2014	8080	8239	48	Marcellus
26	4/26/2014	7843	8045	48	Marcellus
27	4/26/2014	7612	7808	48	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	4/16/14	69.9	6520	5825	4656	1696	8388	N/A
18	4/17/14	69.7	6705	6552	3873	1566	7964	N/A
19	4/19/14	70.4	6395	7119	4317	1758	8342	N/A
20	4/20/14	69.6	6505	5969	4412	1426	7391	N/A
21	4/21/14	69.4	6390	5442	4734	1591	7590	N/A
22	4/23/14	69.6	6603	5955	4514	1609	7244	N/A
23	4/24/14	69.4	6389	5267	5124	1257	5578	N/A
24	4/25/14	70.3	6198	5348	4068	1910	7304	N/A
25	4/26/14	70.1	6175	5609	3833	1696	6810	N/A
26	4/26/14	70.0	6172	4707	4314	1622	6557	N/A
27	4/26/14	62.3	6389	5303	3874	1667	8058	N/A

Received  
APR 27 2015

Please insert additional pages as applicable.

API 47- 095 - 02096 Farm name Jay-Bee Oil & Gas, Inc. Well number RPT5-3

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6,964'	TVD	14,822' MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2,850 psi Bottom Hole N/A psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 3,500 mcfpd Oil   bpd NGL 27 bpd Water 600 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 <sub>2</sub> S, ETC)
See Attached.	0		0		

Please insert additional pages as applicable.


Drilling Contractor HWD  
Address 7350 Coal Hill Rd. City Luthersburg State PA Zip 15848

Logging Company Precise Well Analysis  
Address 1426 Barth Rd. City Belpre State OH Zip 45714

Cementing Company Nabors  
Address PO Box 975682 City Dallas State TX Zip 75397

Stimulating Company Nabors  
Address PO Box 975682 City Dallas State TX Zip 75397

Please insert additional pages as applicable.

Completed by Shane Dowell Telephone 304-628-3111  
Signature  Title Office Manager Date 4-24-2015

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

<b>rpt 5 pad</b>		
<b>PERMIT #</b>	47-095-02096	
	47-095-02097	
	47-095-02098	
<b>ELEVATION</b>	1258	
<b>FORMATION</b>	<b>TOP</b>	<b>BOTTOM</b>
INJUN	2234	2334
GORDON STRAY	2937	2957
HAMILTON	6497	6671
SHALE	6671	7228
UPPER Marcellus	6830	6862
PARCELL LIME	6862	6884
SHALE	6884	6918
LOWER upper MARCELLUS	6918	



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APR 27 2015

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10/07/2016

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/6/2014
Job End Date:	4/26/2014
State:	West Virginia
County:	Tyler
API Number:	47-095-02096-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	RPT5-3
Longitude:	-80.79325700
Latitude:	39.47685400
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,986
Total Base Water Volume (gal):	12,329,394
Total Base Non Water Volume:	



## 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
Water	Jay-Bee Oil & Gas, Inc.	Water	Water	7732-18-5	100.00000	95.77114	
100 Mesh	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica	14808-60-7	99.90000	1.86276	
			Aluminum Oxide	1344-28-1	1.10000	0.02051	
			Iron Oxide	1309-37-1	0.10000	0.00187	
			Titanium Oxide	13463-67-7	0.10000	0.00187	
30/50 Mesh	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica	14808-60-7	99.90000	1.34189	
			Aluminum Oxide	1344-28-1	1.10000	0.01478	
			Titanium Oxide	13463-67-7	0.10000	0.00134	
			Iron Oxide	1309-37-1	0.10000	0.00134	
HCL Acid 22 Baume	Nabors Completion and Production Services	Bulk Acid	Water	7732-18-5	87.50000	0.42140	
			Hydrogen Chloride	7641-01-1	18.00000	0.08669	

WV Dept. of Environmental Protection  
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APR 27 2014

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20/40 Mesh	Nabors Completion and Production Services	Sand - Bulk - West Virginia					
			Crystalline Silica	14808-60-7	99.90000	0.42438	
			Aluminum Oxide	1344-28-1	1.10000	0.00467	
			Titanium Oxide	13463-67-7	0.10000	0.00043	
			Iron Oxide	1309-37-1	0.10000	0.00043	
WFR-3B	Nabors Completion and Production Services	Friction Reducer					
			Hydrotreated Light Distillate	64742-47-8	30.00000	0.01991	
			Mineral Spirits	8052-41-3	10.00000	0.00664	
			Ethoxylated Alcohols	68551-12-2	4.00000	0.00265	
KR-153-SL	Nabors Completion and Production Services	Biocides					
			Polyethylene Glycol	25322-68-3	50.00000	0.00877	
			2,2-Dibromo-3-nitropropionamide	10222-01-2	20.00000	0.00351	
Super TSC LT	Nabors Completion and Production Services	Paraffin & Scale Additives					
			Water	7732-18-5	60.00000	0.00969	
Super Max II	Nabors Completion and Production Services	Surfactant & Foamer					
			Ethylhexanol	104-76-7	40.00000	0.00324	
			Isopropyl Alcohol	67-63-0	30.00000	0.00243	
			Glycol Ethers	111-76-2	7.00000	0.00057	
LSG-100L	Nabors Completion and Production Services	Petroleum Distillates					
			Petroleum Distillates	64742-47-8	60.00000	0.00332	
Acid Inhibitor AL-2	Nabors Completion and Production Services	Acid Corrosion Inhibitors					
			Glycol Ethers	111-76-2	40.00000	0.00037	
			Propargyl Alcohol	107-19-7	40.00000	0.00037	
			Isopropyl Alcohol	67-63-0	40.00000	0.00037	
			Ethoxylated Nonylphenol	68412-54-4	13.00000	0.00012	
			Tar bases	72480-70-7	10.00000	0.00009	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
WFR-3B NON-MSDS	Nabors Completion and Production Services	Friction Reducer					
			Propylene Glycol	57-55-6	25.00000	0.01659	
Super TSC LT NON-MSDS	Nabors Completion and Production Services	Paraffin & Scale Additives					
			proprietary	proprietary	15.00000	0.00242	
			proprietary	proprietary	15.00000	0.00242	

Received  
 APR 27 2015  
 Office of Oil and Gas  
 Dept. of Environmental Protection



			proprietary	proprietary	15.00000	0.00242
			proprietary	proprietary	15.00000	0.00242
LSG-100L NON-MSDS	Nabors Completion and Production Services	Gelling Agents				
			Guar Gum	9000-30-0	50.00000	0.00277
			Suspending Agent	14808-60-7	2.00000	0.00011
			Surfactant	68439-51-0	2.00000	0.00011
Super Max II NON-MSDS	Nabors Completion and Production Services	Surfactant & Foamer				
			proprietary	proprietary	7.00000	0.00057

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

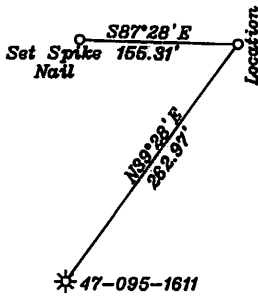
\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

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)

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References



LATITUDE 39-30-00 N TH  
LATITUDE 39-27-30 N BH

**Surface Hole Location**  
 UTM NAD 83(Meters)-4369716.1 N, 617781.6 E  
 Geo. NAD 83-39.476854 N, 80.793257 W  
 State Plane NAD 83-358424.7 N, 1603460.4 E

**Landing Point 1**  
 UTM NAD 83(Meters)-4369887.4 N, 618061.6 E  
 Geo. NAD 83-39.476589 N, 80.790002 W  
 State Plane NAD 83-358315.3 N, 1604377.9 E

P-Warner T.M. 6/10 107.63 Ac. Ls. T3098A  
 Q-Warner T.M. 6/10.1 0.368 Ac.

**Landing Point 2**  
 UTM NAD 83(Meters)-4369840.2 N, 618183.4 E  
 Geo. NAD 83-39.476162 N, 80.788586 W  
 State Plane NAD 83-358163.7 N, 1604776.3 E

**Landing Point 3**  
 UTM NAD 83(Meters)-4369889.5 N, 618466.6 E  
 Geo. NAD 83-39.470112 N, 80.785429 W  
 State Plane NAD 83-355937.6 N, 1605834.6 E

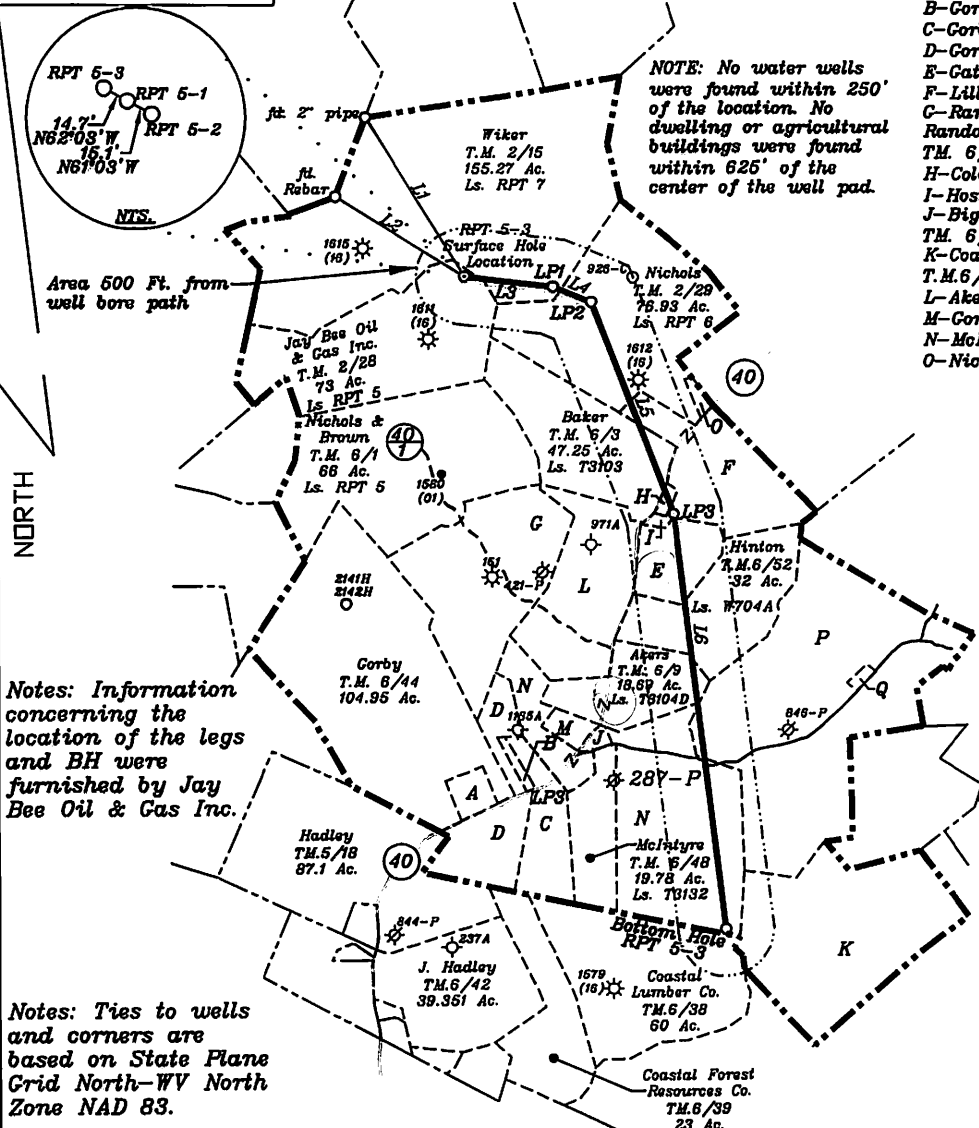
**Bottom Hole Location**  
 UTM NAD 83(Meters)-4367652.1 N, 618640.3 E  
 Geo. NAD 83-39.458238 N, 80.783329 W  
 State Plane NAD 83-351604.8 N, 1606166.6 E

- A-Corby T.M. 6/45 4 Ac.
- B-Corby T.M. 6/46.1 0.92 Ac.
- C-Corby T.M. 6/47 16.73 Ac.
- D-Corby T.M. 6/45 18.74 Ac.
- E-Catroll T.M. 6/7 14.62 Ac. Ls. T3101
- F-Liller T.M. 6/3.1 15 Ac. Ls. T3180
- G-Randall J. Broda, as trustee of Randall J. Broda Family Trust II T.M. 6/2 56.5 Ac. Ls. RPT 4
- H-Cole T.M. 6/5 1 Ac. Ls. T3100A1
- I-Hostuttler T.M. 6/6 0.38 Ac.
- J-Big Run Meth Church T.M. 6/51 2 Ac.
- K-Coastal Forest Resources Co. T.M.6/36 70 Ac.
- L-Akers T.M.6/8 33.13 Ac. Ls. W704B1
- M-Corby T.M. 6/50 3.16 Ac. Ls. W704B2
- N-McIntyre T.M. 6/49 85.89 Ac. Ls. T3132
- O-Nichols T.M. 6/4 1.25 Ac.

NOTE: No water wells were found within 250' of the location. No dwelling or agricultural buildings were found within 625' of the center of the well pad.

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

NUMBER	DIRECTION	DISTANCE
L1	S37°58'E	1,944'
L2	S68°13'E	1,588'
L3	S83°12'E	924'
L4	S67°52'E	429'
L5	S21°12'E	2,377'
L6	S06°59'E	4,366'



Notes: Information concerning the location of the legs and BH were furnished by Jay Bee Oil & Gas Inc.

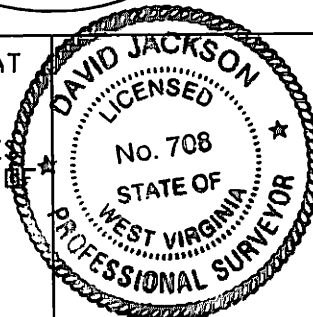
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.

(+) 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. \_\_\_\_\_ L.I.S. 708



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

DATE April 20, 2015  
 OPERATOR'S WELL NO. RPT 5-3  
 API WELL NO. 47-095-02096

WELL TYPE: OIL X LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X

LOCATION: ELEVATION 1,258' WATER SHED Big Run  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE Shirley 7 1/2'

SURFACE OWNER Jay Bee Oil & Gas, Inc ACREAGE 73 ac  
 OIL & GAS ROYALTY OWNER Jay Bee Oil & Gas, Inc.(73Ac.), Leo W. Wiker, et al(155.27Ac.), Cecil Nichols, et al(76.93Ac.), Dean R. Baker, et al(47.25Ac.), Linda Liller(15Ac.), Dorris L. Catroll(14.62Ac.), Thomas E. Hilton, et al(32Ac.), Steven Akers, et al(18.69Ac.) & F.M. McIntyre est.(85.89Ac.)

LEASE NO. RPT 5, RPT 7, RPT 6, T3180, T3103, T3100A1, T3101, W704A, T3104D, T3098A, T3098A & T3132 10/07/2016

PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE DR  
 STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW  
 FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON CLEAN OUT AND REPLUG  
 TARGET FORMATION Marcellus ESTIMATED DEPTH 7,500'+ Horizontal leg  
 WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda  
 ADDRESS 1720 Rt. 22 East Union, NJ 07083 ADDRESS Rt. 1 Box 5 Cairo, WV 26337

LATITUDE 39-30-00 N TH  
LATITUDE 39-27-30 N BH

**Surface Hole Location**  
 UTM NAD 83(Meters)-4369716.1 N, 517781.5 E  
 Geo. NAD 83-39.476854 N, 80.793257 W  
 State Plane NAD 83-358424.7 N, 1603460.4 E

**Landing Point 1**  
 UTM NAD 83(Meters)-4369687.4 N, 518061.5 E  
 Geo. NAD 83-39.476589 N, 80.790002 W  
 State Plane NAD 83-358315.3 N, 1604377.9 E

P-Warner TM. 6/10 107.63 Ac. Ls. T3098A  
 Q-Warner TM. 6/10.1 0.368 Ac.

**Landing Point 2**  
 UTM NAD 83(Meters)-4369640.2 N, 518183.4 E  
 Geo. NAD 83-39.476162 N, 80.788586 W  
 State Plane NAD 83-358163.7 N, 1604775.3 E

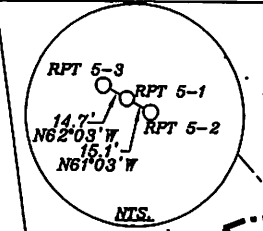
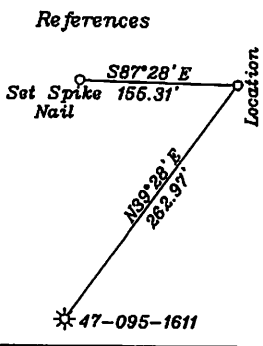
**Landing Point 3**  
 UTM NAD 83(Meters)-4368969.5 N, 518456.5 E  
 Geo. NAD 83-39.470112 N, 80.785429 W  
 State Plane NAD 83-355937.6 N, 1605634.6 E

**Bottom Hole Location**  
 UTM NAD 83(Meters)-4367652.1 N, 518640.3 E  
 Geo. NAD 83-39.458238 N, 80.783329 W  
 State Plane NAD 83-351604.8 N, 1606165.6 E

- A-Corby TM. 6/45 4 Ac.
- B-Corby TM. 6/46.1 0.92 Ac.
- C-Corby TM. 6/47 16.73 Ac.
- D-Corby TM. 6/45 18.74 Ac.
- E-Catrell TM. 6/7 14.62 Ac. Ls. T3101
- F-Liller TM. 6/3.1 15 Ac. Ls. T3180
- G-Randall J. Broda, as trustee of Randall J. Broda Family Trust II TM. 6/2 56.5 Ac. Ls. RPT 4
- H-Cole TM. 6/5 1 Ac. Ls. T3100A1
- I-Hostuttler TM. 6/6 0.38 Ac.
- J-Big Run Meth Church TM. 6/51 2 Ac.
- K-Coastal Forest Resources Co. T.M.6/36 70 Ac.
- L-Akers T.M.6/8 33.13 Ac. Ls. W704B1
- M-Corby TM. 6/50 3.16 Ac. Ls. W704B2
- N-McIntyre T.M. 6/49 85.89 Ac. Ls. T3132
- O-Nichols T.M. 6/4 1.25 Ac.

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

NUMBER	DIRECTION	DISTANCE
L1	S31°58'E	1,944'
L2	S68°13'E	1,588'
L3	S83°12'E	924'
L4	S67°52'E	429'
L5	S21°12'E	2,377'
L6	S06°59'E	4,365'



Area 500 Ft. from well bore path

NORTH

Notes: Information concerning the location of the legs and BH were furnished by Jay Bee Oil & Gas Inc.

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

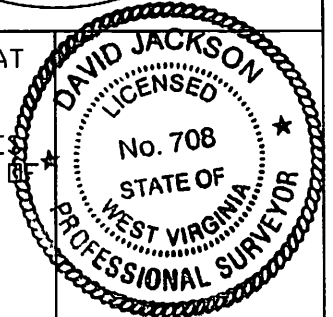
NOTE: No water wells were found within 250' of the location. No dwelling or agricultural buildings were found within 625' of the center of the well pad.

(+) 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. \_\_\_\_\_ L.L.S. 708



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

DATE April 20, 2015  
 OPERATOR'S WELL NO. RPT 5-3  
 API WELL NO. 47-095-02096

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL STATE COUNTY PERMIT  
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X

LOCATION: ELEVATION 1,258' WATER SHED Big Run  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE Shirley 7 1/2'

SURFACE OWNER Jay Bee Oil & Gas, Inc ACREAGE 73 ac  
 OIL & GAS ROYALTY OWNER Jay Bee Oil & Gas, Inc.(73Ac.), Leo W. Wiker, et al(155.27Ac.), Cecil Nichols, et al(76.93Ac.), Dean R. Baker, et al (47.25Ac.), Linda Liller(15Ac.), Dorris L. Catrell(14.62Ac.), Thomas E. Hilton, et al(32Ac.), Steven Akers, et al(18.69Ac.) & F.M. McIntyre est.(85.89Ac.)  
 LEASE NO. RPT 5, RPT 7, RPT 6, T3180, T3103, T3100A1, T3101, W704A, T3104D, T3098A, T3098A & T3132

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

PLUG AND ABANDON CLEAN OUT AND REPLUG  
 TARGET FORMATION Marcellus ESTIMATED DEPTH 7,500' + Horizontal leg  
 WELL OPERATOR Jay Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda  
 ADDRESS 1720 Rt. 22 East Union, NJ 07083 ADDRESS Rt. 1 Box 5 Cairo, WV 26337

10/07/2016

VIOLATION NO. 9497

DATE June 7, 2016

FORM VI 27  
(REV 3-2007)

API NO. 47-095-02096

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

**CANCELLED**

NOTICE OF VIOLATION

LOCATION: FARM NAME Jay Bee Oil and Gas, Inc. WELL NO. RPT5-3  
DISTRICT McElroy COUNTY Tyler

TO: Jay Bee Oil and Gas Inc. DESIGNATED AGENT Randy Broada  
ADDRESS: Rt. 1 Box 5 ADDRESS Rt. 1 Box 5  
Cario, WV 26337 Cario, WV 26337

The above well is being violated this 7th day of June, 2016, for a violation of the PERMIT issued by the Office of Oil and Gas, Department of Environmental Protection, set forth in detail as follows:

*Findings: The well permit was issued on 4/23/2013 that contained an original plat dated 1/3/2013. A well operator's report of well work WR-35 was received on 4/27/2015 that indicated drilling commenced on 6/17/2013 and drilling ceased on 8/1/2013; and the report contained an as-drilled plat that indicated a change of the well bore curve resulting in deviations to the original permit plat and to the necessities within §22-6-8(c). These findings are failure to follow the terms of the permit.*

To abate the violation you must:

*Submit to the Office of Oil and Gas a letter of explanation that resulted in the deviation from the original permit plat. In addition submit and obtain an approved permit modification accordingly and include the filing(s) as needed in pursuance to the §22-6-8(c) requirements.*

This violation notice is provided by certified mail to the person or Designated Agent named above.

You are hereby granted until June 14, 2016, to abate this violation. Failure to abate the violation by that date will result in bond forfeiture and may result in assessment of civil penalties, filing of misdemeanor charges and/or an action for injunctive relief.

An informal conference with this enforcement section and the permitting manager should be arranged prior to the date set forth above for abatement of the violation.

If you wish to contest this violation, refer to procedures outlined in West Virginia Code 22-6-4.

SIGNED Justin Snyder ADDRESS P.O. Box 19  
TITLE Oil and Gas Inspector Lumberport, WV 26386

TELEPHONE 304-681-6995

**UNTIL THE DISTRICT OIL AND GAS INSPECTOR ISSUING THIS NOTICE RECEIVES A CALL FROM YOU (THE OPERATOR) STATING THIS VIOLATION IS ABATED, IT WILL BE ASSUMED THAT THE VIOLATION REMAINS UNABATED.**

10/07/2016