

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

API 47 - 095 - 02133 County Tyler District McElroy
Quad Center Point Pad Name Bashful Field/Pool Name _____
Farm name Tippins Well Number Bashful 6
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 4,369,314.68 Easting 523,987.83
Landing Point of Curve Northing 4,369,261.84 Easting 523,367.52
Bottom Hole Northing 4,371,053.11 Easting 522,528.79

Elevation (ft) 1201 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)
ABS 40

Date permit issued 12/30/2013 Date drilling commenced 5/20/2014 Date drilling ceased 9/7/2014
Date completion activities began 11/1/2014 Date completion activities ceased 1/2/2015
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 60-90' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A 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 Sharpton
DATE: 6/7/2014

OCT 07 2015

Reviewed by:
AX 06/14/14
WS 06/17/2016

API 47- 095 - 02133 Farm name Tippins Well number Bashful 6

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		N *
Surface	15"	11 3/4"	398'	New	20/23/24	50'	Y
Coal							
Intermediate 1	11"	8 5/8"	2424'	New	20/17/24	1500'	Y
Intermediate 2							
Intermediate 3							
Production	7 7/8"	5 1/2"	15643	New	20#		Y
Tubing							
Packer type and depth set							

Comment Details *Conductor string grouted to surface.

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	230	15.2	1.26	188	CTS	8
Coal							
Intermediate 1	Class A	585	14.7	1.36	617	CTS	8
Intermediate 2							
Intermediate 3							
Production	Class A	1895	14.4	1.36	2655	592' from surface	8
Tubing							

Drillers TD (ft) 15673 Loggers TD (ft) 15673

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6200

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 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 _____

API 47- 095 - 02133

Farm name Tippins

Well number Bashful 6

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	11/1/14	15590	15463	96	Marcellus
2	12/10/14	15426	15253	72	Marcellus
3	12/10/14	15208	15081	72	Marcellus
4	12/10/14	15034	14848	72	Marcellus
5	12/10/14	14810	14674	72	Marcellus
6	12/11/14	14626	14412	72	Marcellus
7	12/11/14	14378	14189	72	Marcellus
8	12/12/14	14158	14006	72	Marcellus
9	12/12/14	13966	13784	72	Marcellus
10	12/12/14	13747	13552	72	Marcellus
11	12/12/14	13506	13368	72	Marcellus
12	12/13/14	13328	13116	72	Marcellus
13	12/13/14	13062	12894	72	Marcellus
14	12/13/14	12850	12676	72	Marcellus
15	12/14/14	12634	12476	72	Marcellus
16	12/14/14	12422	12254	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	12/9/14	70.8	7104	8094	4670	177610	9588	N/A
2	12/10/14	69.7	6989	7626	4238	181247	9584	N/A
3	12/10/14	69.4	6919	7373	4805	181633	8498	N/A
4	12/10/14	70.3	6764	7022	4348	180669	6933	N/A
5	12/10/14	70.7	6928	8102	4194	181281	7256	N/A
6	12/11/14	71.5	6870	7208	4392	181431	7602	N/A
7	12/11/14	69.6	6690	7047	4169	181028	7043	N/A
8	12/12/14	69.2	6954	7865	4304	180679	8281	N/A
9	12/12/14	70.3	6836	7162	4404	180520	6241	N/A
10	12/12/14	70.0	6934	7283	4861	179250	6514	N/A
11	12/12/14	69.7	7056	8613	4427	182240	7635	N/A
12	12/13/14	67.6	6534	6969	4197	169755	6802	N/A
13	12/13/14	71.5	6650	6974	4161	183910	6432	N/A
14	12/13/14	69.5	6669	7003	4233	181300	6560	N/A
15	12/14/14	69.4	7159	8134	3708	181450	7159	N/A
16	12/14/14	70.4	6662	7326	4385	180174	7037	N/A

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Please insert additional pages as applicable.

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API 47-095 - 02133 Farm name Tippins Well number Bashful 6

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
17	12/14/14	12196	12016	72	Marcellus
18	12/15/14	11960	11816	72	Marcellus
19	12/15/14	11774	11594	72	Marcellus
20	12/15/14	11544	11400	72	Marcellus
21	12/15/14	11368	11198	72	Marcellus
22	12/16/14	11146	10975	72	Marcellus
23	12/16/14	10902	10746	72	Marcellus
24	12/16/14	10708	10532	72	Marcellus
25	12/16/14	10497	10318	72	Marcellus
26	12/17/14	10264	10078	72	Marcellus
27	12/17/14	10026	9848	72	Marcellus
28	12/17/14	9816	9665	72	Marcellus
29	12/17/14	9610	9422	72	Marcellus
30	12/18/14	9368	9196	72	Marcellus
31	12/18/14	9154	9016	72	Marcellus
32	12/18/14	8972	8766	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	12/14/14	68.7	6650	7354	4235	181464	7010	N/A
18	12/15/14	70.6	6851	7966	4285	181033	7006	N/A
19	12/15/14	71.5	6363	6702	4008	178315	6898	N/A
20	12/15/14	71.3	6517	6878	4461	177526	6436	N/A
21	12/15/14	70.4	6506	7343	4284	180433	6766	N/A
22	12/16/14	69.5	6741	7626	4389	181577	6829	N/A
23	12/16/14	67.7	6700	6980	4486	180877	6565	N/A
24	12/16/14	70.9	6831	7683	5227	177865	7481	N/A
25	12/16/14	70.5	7012	7597	5203	53517	6647	N/A
26	12/17/14	68.5	6480	7153	4189	181156	7895	N/A
27	12/17/14	70.2	6587	6825	4792	179255	6979	N/A
28	12/17/14	71.4	6667	7188	4513	181485	6946	N/A
29	12/17/14	70.5	6565	7168	4495	180793	7377	N/A
30	12/18/14	69.4	6475	6736	4394	180856	7195	N/A
31	12/18/14	70.5	6537	6690	5034	180361	7045	N/A
32	12/18/14	71.4	6333	7275	5623	180159	7045	N/A

Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>7060</u>	<u>TVD</u>	<u>15619</u> <u>MD</u>
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1400 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 5,500 mcfpd Oil _____ bpd NGL 6 bpd Water 200 bpd
GAS MEASURED BY Estimated Orifice Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
<u>See attached sheet</u>	<u>0</u>		<u>0</u>		

Please insert additional pages as applicable.

Drilling Contractor Horizontal Well Drillers
Address 2915 SH 74 South City Purcell State OK Zip 73080

Logging Company Precise Well Analysis
Address PO Box 542 City Belpre State OH Zip 45714

Cementing Company Nabors Completion & Production
Address 1650 Hackers Creek Rd. City Jane Lew State WV Zip 26378

Stimulating Company Go-Frac
Address 62787 Philips Rd. City Cambridge State OH Zip 43725

Please insert additional pages as applicable.

Completed by Shane Dowell Telephone 304-628-3111
Signature  Title Office Manager Date 12-12-2015

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

Lithology

Bashful 6 47-095-02133

FORMATION	TOP	BOTTOM
MISC. RED ROCK & SHALES	0	2298
LIME	2298	2398
INJUN	2398	2515
SHALE	2515	2862
GORDON STRAY	2862	2882
SHALE	2882	3078
GORDON	3078	3108
SHALE	3108	3387
BAYARD	3387	3396
SHALE	3396	3725
WARREN	3725	3823
SHALE	3823	4059
BALLTOWN	4059	4222
SHALE	4222	4660
2ND RILEY	4660	4768
SHALE	4768	4919
3RD RILEY	4919	4960
SHALE	4960	5017
BENSON	5017	5020
SHALE	5020	5262
ALEXANDER	5262	5433
SHALE	5433	5678
ELK	5678	5726
SHALE	5726	6130
HAMILTON	6130	6304
SHALE	6304	6960
UPPER Marcellus	6960	6966
PARCELL LIME	6966	7001
SHALE	7001	7038
LOWER MARCELLUS	7038	

06/17/2016

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	12/9/2014
Job End Date:	12/19/2014
State:	West Virginia
County:	Tyler
API Number:	47-095-02133-00-00
Operator Name:	Jay-Bee Oil & Gas, Inc.
Well Name and Number:	Bashful 6
Longitude:	-80.72128400
Latitude:	39.47299900
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,060
Total Base Water Volume (gal):	11,331,600
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	92.69016	
100 Mesh	GoFrac, LLC	Frac Sand	Crystalline Silica	14808-60-7	99.90000	2.95902	
			Aluminum Oxide	1344-28-1	1.10000	0.03288	
			Titanium Oxide	13463-67-7	0.10000	0.00299	
			Iron Oxide	1309-37-1	0.10000	0.00299	
30/50 Mesh	GoFrac, LLC	Frac Sand	Crystalline Silica	14808-60-7	99.00000	2.93917	
			Aluminum Oxide	1344-28-1	1.10000	0.03266	
			Iron Oxide	1309-37-1	0.10000	0.00297	
			Titanium Oxide	13463-67-7	0.10000	0.00297	
20/40 Mesh	GoFrac, LLC	Frac Sand	Crystalline Silica	14808-60-7	99.90000	0.72064	
			Aluminum Oxide	1344-28-1	1.10000	0.00801	
			Titanium Oxide	13463-67-7	0.10000	0.00073	
			Iron Oxide	1309-37-1	0.10000	0.00073	
10.1-15% HCL	GoFrac, LLC - Reaqant Chemicals	Acid					

			Hydrochloric Acid	7647-01-0	15.00000	0.04662
Sodium persulfate	GoFrac, LLC - Chemplex	Breaker				
			Sodium persulfate	7775-27-1	100.00000	0.03512
Plexsurf 215E	GoFrac, LLC - Chemplex	Surfactant				
			Methyl Alcohol	67-56-1	28.00000	0.03081
Plexhib 256	GoFrac, LLC - Chemplex	Corrosion Inhibitor				
			Methyl Alcohol	67-56-1	70.00000	0.02067
			Propargyl Alcohol	107-19-7	8.00000	0.00236
Plexbreak 145	GoFrac, LLC - Chemplex	Non-Emulsifier				
			Methyl Alcohol	67-56-1	15.00000	0.00410
			Diethanolimine	111-42-2	5.00000	0.00137
Plexaid 673	GoFrac, LLC - Chemplex	Scale Inhibitor				
			Methyl Alcohol	67-56-1	25.00000	0.00054
Ferriplex 66	GoFrac, LLC - Chemplex	Iron Control				
			Acetic Acid	64-19-7	50.00000	0.00016
Plexslick 957	GoFrac, LLC - Chemplex	Polymer Emulsifier				
			Ammonium Chloride	12125-02-9	5.00000	0.00005
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.						
10.1-15% HCL	GoFrac, LLC - Reagent Chemicals	Acid				
			Water	7732-18-5	85.00000	0.26421
Plexsurf 215E	GoFrac, LLC - Chemplex	Surfactant				
			Water	7732-18-5	80.00000	0.07372
			Alcohol Ethoxylate Surfactants	proprietary	5.00000	0.00550
SOS 1545	GoFrac, LLC - Chemplex	Gel				
			Hydrocarbons	64741-85-1	70.00000	0.04787
			Water	7732-18-5	30.00000	0.02051
Plexicide 15G	GoFrac, LLC - Chemplex	Biocide				
			Water	7732-18-5	90.00000	0.03040
			Glutaraldehyde	111-30-8	14.00000	0.00553
			Didecyl dimethyl ammonium chloride	7173-51-5	3.00000	0.00118
			Ethanol	64-17-5	3.00000	0.00118
			Alkyl dimethyl benzyl ammonium chloride	68424-85-1	3.00000	0.00118
Plexbreak 145	GoFrac, LLC - Chemplex	Non-Emulsifier				
			Water	7732-18-5	66.00000	0.01504
			Ethyl Glycol	111-76-2	15.00000	0.00410
			Cocamide Diethanolimine Salt	68603-42-9	10.00000	0.00274
Plexhib 256	GoFrac, LLC - Chemplex	Corrosion Inhibitor				

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			Alcohol Ethoxylate surfactants	proprietary	30.00000	0.00886
			Thiourea-formaldehyde copolymer	68527-49-1	30.00000	0.00886
			n-olefins	proprietary	10.00000	0.00295
Plexaid 673	GoFrac, LLC - Chemplex	Scale Inhibitor				
			Water	7732-18-5	85.00000	0.00152
			proprietary	proprietary	5.00000	0.00011
Plexslick 957	GoFrac, LLC - Chemplex	Polymer Emulsifier				
			Poly Acid	62649-23-4	35.00000	0.00033
			Paraffinic	64742-47-8	30.00000	0.00028
			Water	7732-18-5	40.00000	0.00014
			Nonionic Surfactants	proprietary	10.00000	0.00009
			Sodium Chloride	7647-14-5	5.00000	0.00005
Ferriplex 66	GoFrac, LLC - Chemplex	Iron Control				
			Citric Acid	77-92-9	30.00000	0.00009
			Water	7732-18-5	20.00000	0.00006

* 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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Office of Oil & Gas
OCT 07 2015

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
T3024 (I)	Fern Peoples	JB Exploration I, LLC	12.5%	427-813
T3029&T3030 (B)	Carolyn Garns	Jay-Bee Production Company	12.5%	380-391
T3031 (A)	Freda Duranti	Jay-Bee Production Company	12.5%	381-646
T3032 (D)	Bright Timberlands	Jay-Bee Production Company	12.5%	391-366
T3074A (G)	Marion Larsen	JB Exploration I, LLC	12.5%	417-423
T3073 (O)	Leo & Nancy Schumacher	JB Exploration I, LLC	12.5%	455-257
T3078 (L)	William & Joclaire Eastham	JB Exploration I, LLC	12.5%	459-595

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

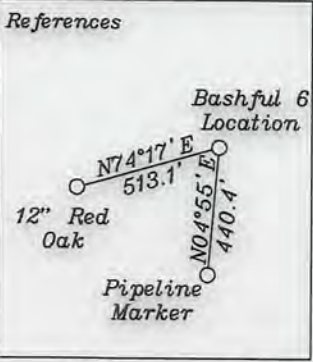
The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

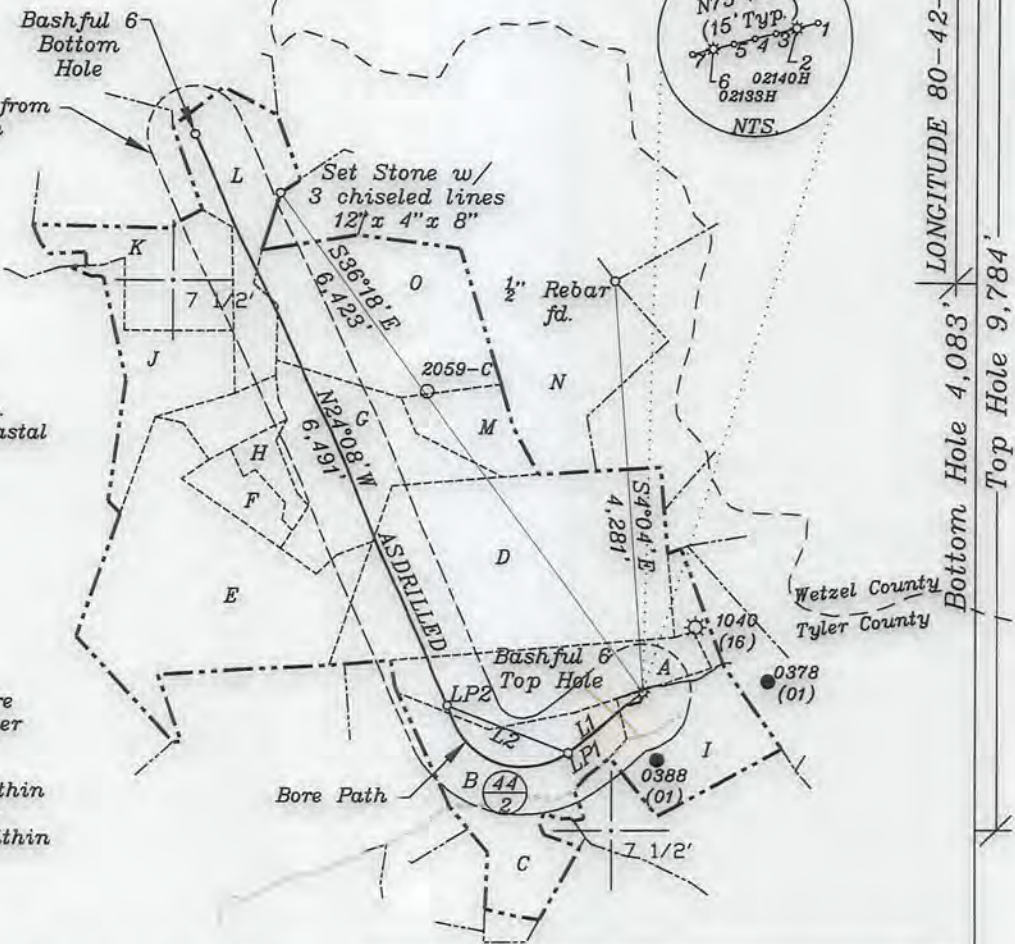
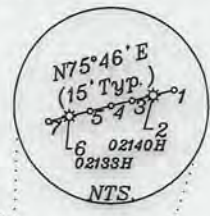
Well Operator: Jay-Bee Oil & Gas, Inc.
By: Shane Dowell
Its: Office Manager

Receiver
Office of Oil & Gas
OCT 07 2015



LATITUDE 39-30-00 N Bottom Hole 8,376'

Bashful 6 Bottom Hole
Area 500 Ft. from well bore path



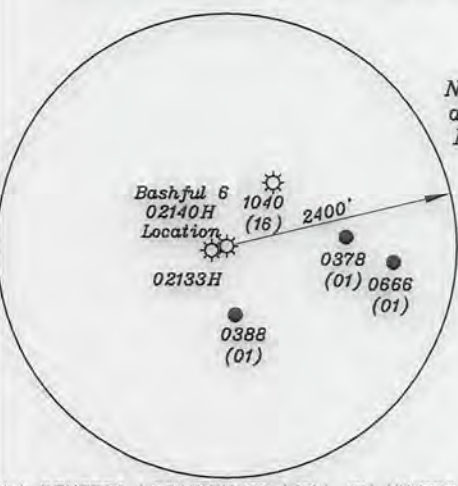
- A- Eli Tippins TM 7/11 45.25 Ac.
- B- Thomas TM 7/12 43.32 Ac.
- C- Thomas TM 7/31 18.14 Ac.
- D- Schumacher TM 3/25 134 Ac.
- E- Weimer TM 3-23 102 Ac.
- F- Weimer TM 3-24 13.05 Ac.
- G- Larson & Fleck TM 3/17 50.38 Ac.
- H- Coastal Forest Resources Co. & Coastal Timberlands Co. TM 3-18 12.95 Ac.
- I- Tippens & Thomas Headley Est. TM 7-13 45.25 Ac.
- J- Bowser TM 3-5 35.4 Ac.
- K- Eidle TM 3-6 35.16 Ac.
- L- Haessly Land & Timber LLC TM 3/7 40.8 Ac.
- M- Schumacher TM 3/16 18 Ac.
- N- Kowalski TM 3-14 68.68 Ac.
- O- Schumacher TM 3/15 81.94 Ac.

Note: Leg and bottom hole location are based upon a survey report by Panther Drilling Systems dated 9/05/14.

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

NORTH

LONGITUDE 80-42-30 N
Bottom Hole 4,083' Top Hole 9,784'



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

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.

- L1- S51°11'W 1,001'
- L2- N68°49'W 1350'

Top Hole	UTM NAD 83(Feet)-14334993.26 N, 1719116.74 E
	UTM NAD 83(Meters)-4369314.68 N, 523987.83 E
	Geo NAD 83-39.473086 N. 80.721111 W
Landing Point-1	UTM NAD 83(Feet)-14334353.18 N, 1718347.76 E
	UTM NAD 83(Meters)-4369119.59 N, 523753.45 E
	Geo NAD 83-39.471334 N. 80.723843 W
Landing Point-2	UTM NAD 83(Feet)-14334819.87 N, 1717081.60 E
	UTM NAD 83(Meters)-4369261.84 N, 523367.52 E
	Geo NAD 83-39.472627 N. 80.728325 W
Bottom Hole	UTM NAD 83(Feet)-14340696.73 N, 1714329.89 E
	UTM NAD 83(Meters)-4371053.11 N, 522528.79 E
	Geo NAD 83-39.488789 N. 80.738016 W

(+) 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 J. Jackson
R.P.E. _____ L.L.S. 708



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

DATE September 22, 2015
OPERATOR'S WELL NO. Bashful 6
API WELL NO. ASDRILLED

WELL TYPE: OIL GAS LIQUID INJECTION X WASTE DISPOSAL _____ STATE 47 COUNTY 095 PERMIT _____
(IF "GAS") PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

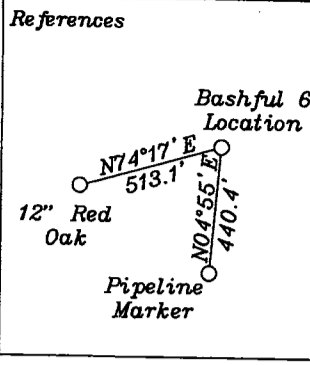
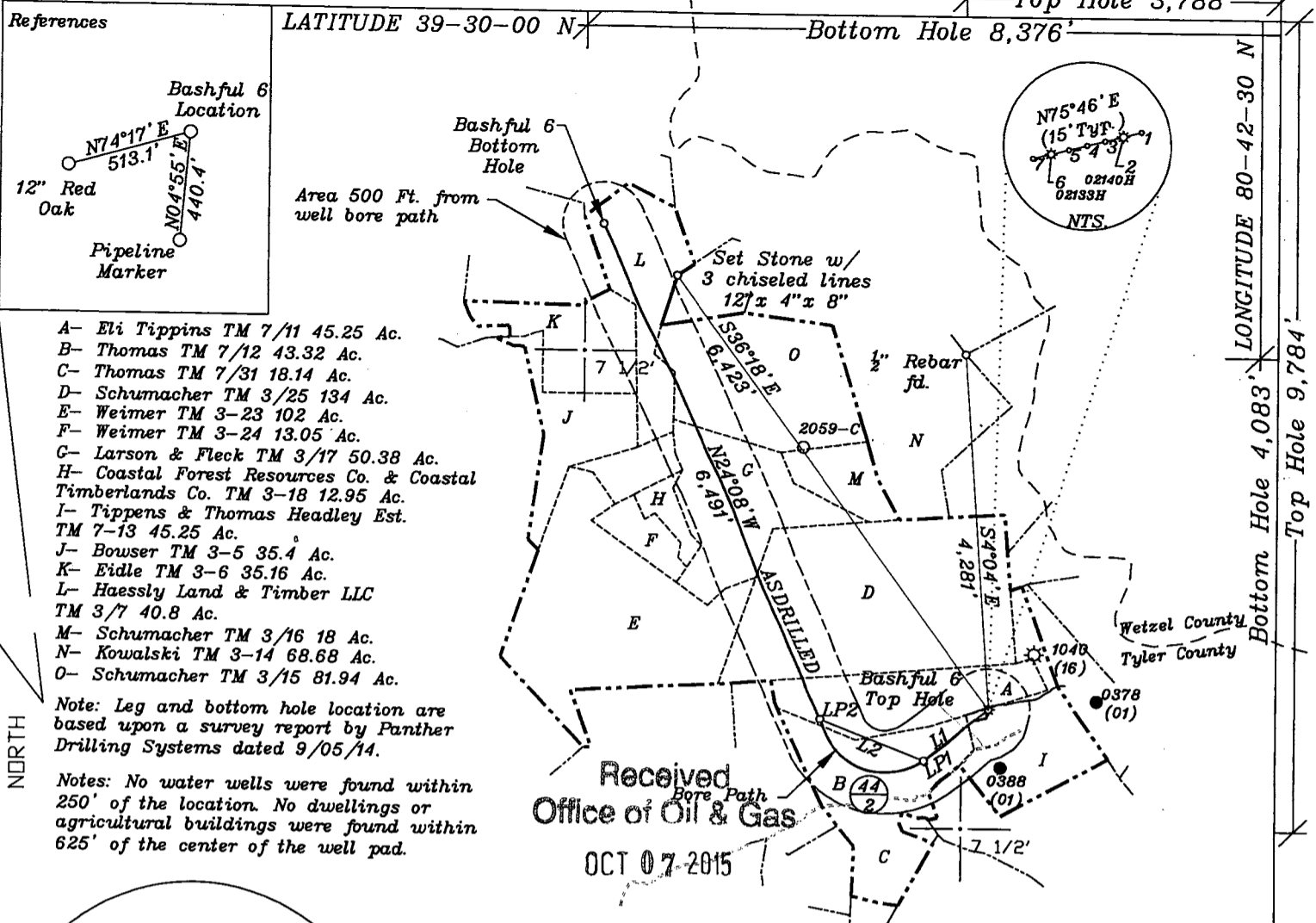
LOCATION: ELEVATION 1201.7' WATER SHED Bonelick Run
DISTRICT McElroy COUNTY Tyler Co.
QUADRANGLE Center Point 7 1/2'

SURFACE OWNER Rodney L. & Vickie L. Tippins & Thomas Headley Est. ACREAGE 45.25 ac.
OIL & GAS ROYALTY OWNER South Penn Oil Company LEASE ACREAGE 45.25 ac.
LEASE NO. T3024 45.25 ac., T3031 45.25 ac., T3033 83.47 ac., T3036 115.05 ac., T3071B 80.725 ac., T3072 68.675 ac., & T6804 60.08625 ac. 06/17/2016

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) ASDRILLED
PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION Marcellus ESTIMATED DEPTH TVD- 7,034'+ TMD- 15,673'
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

Top Hole 3,788'



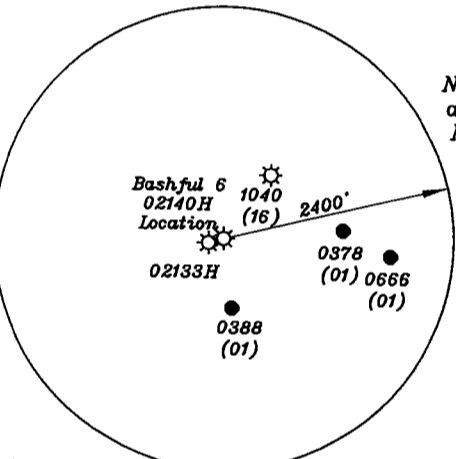
- A- Eli Tippins TM 7/11 45.25 Ac.
- B- Thomas TM 7/12 43.32 Ac.
- C- Thomas TM 7/31 18.14 Ac.
- D- Schumacher TM 3/25 134 Ac.
- E- Weimer TM 3-23 102 Ac.
- F- Weimer TM 3-24 13.05 Ac.
- G- Larson & Fleck TM 3/17 50.38 Ac.
- H- Coastal Forest Resources Co. & Coastal Timberlands Co. TM 3-18 12.95 Ac.
- I- Tippens & Thomas Headley Est. TM 7-13 45.25 Ac.
- J- Bowser TM 3-5 35.4 Ac.
- K- Eidle TM 3-6 35.16 Ac.
- L- Haessly Land & Timber LLC TM 3/7 40.8 Ac.
- M- Schumacher TM 3/16 18 Ac.
- N- Kowalski TM 3-14 68.68 Ac.
- O- Schumacher TM 3/15 81.94 Ac.

Note: Leg and bottom hole location are based upon a survey report by Panther Drilling Systems dated 9/05/14.

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

NORTH

Received
Office of Oil & Gas
OCT 07-2015



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

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.

- L1- S51°11'W 1,001'
- L2- N68°49'W 1350'

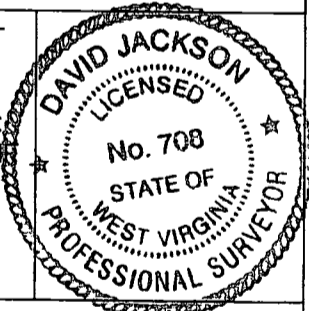
Top Hole
UTM NAD 83(Feet)-14334993.26 N, 1719116.74 E
UTM NAD 83(Meters)-4369314.68 N, 523987.83 E
Geo NAD 83-39.473086 N, 80.721111 W
Landing Point-1
UTM NAD 83(Feet)-14334353.18 N, 1718347.76 E
UTM NAD 83(Meters)-4369119.59 N, 523753.45 E
Geo NAD 83-39.471334 N, 80.723843 W
Landing Point-2
UTM NAD 83(Feet)-14334819.87 N, 1717081.60 E
UTM NAD 83(Meters)-4369261.84 N, 52367.52 E
Geo NAD 83-39.472627 N, 80.728325 W
Bottom Hole
UTM NAD 83(Feet)-14340696.73 N, 1714329.89 E
UTM NAD 83(Meters)-4371053.11 N, 522528.79 E
Geo NAD 83-39.488789 N, 80.738016 W

(+) 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

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06/17/2016