



west virginia department of environmental protection

Office of Oil and Gas  
601 57<sup>th</sup> Street, S.E.  
Charleston, WV 25304  
(304) 926-0450  
fax: (304) 926-0452

Earl Ray Tomblin , Governor  
Randy C. Huffman , Cabinet Secretary  
www.dep.wv.gov

Thursday, November 17, 2016  
WELL WORK PERMIT  
Horizontal 6A / New Drill

JAY-BEE OIL & GAS, INC.  
1720 RT. 22 E

UNION, NJ 070830000

Re: Permit approval for HAPPY 6U  
47-095-02384-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

Operator's Well Number: HAPPY 6U  
Farm Name: BLOOM, ARTHUR & LOIS  
U.S. WELL NUMBER: 47-095-02384-00-00  
Horizontal 6A / New Drill  
Date Issued: 11/17/2016

Promoting a healthy environment.

11/18/2016

# PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

## CONDITIONS

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1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
8. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.
9. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov).



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street, SE Charleston, WV 25304  
(304)926-0499, Ext 1656

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
dep.wv.org

October 27, 2016

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-095-02384

COMPANY: Jay-Bee Oil & Gas Inc.

FARM: Happy 6U

COUNTY: Tyler DISTRICT: McElroy QUAD: Shirley

The deep well review of the application for the above company is **APPROVED TO DRILL TO TRENTON FOR UTICA COMPLETION.**

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Comments to Notice of Deviation filed? none
2. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners; yes
3. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells, well name, and the name and address of the operator; none
4. Provided a plat showing that the proposed location is a distance of 400 feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

Cindy Raines  
Program Administrator

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**WELL WORK PERMIT APPLICATION**

1) Well Operator: Jay-Bee Oil & Gas, Inc. 24610 Tyler McElroy Shirley 7.5'  
Operator ID County District Quadrangle

2) Operator's Well Number: Happy 6U Well Pad Name: Happy

3) Farm Name/Surface Owner: Arthur & Lois Bloom Public Road Access: Walnut Fork Rd

4) Elevation, current ground: 1253.5' Elevation, proposed post-construction: 1253.5'

5) Well Type (a) Gas X Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_

(b) If Gas Shallow \_\_\_\_\_ Deep X  
Horizontal X *JBS 8-23-14 DMH 8-23-14*

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Utica: 11,132' Depth, 256' Thickness, 8000 psi, Trenton: 11,417' Depth Thickness, 180' Thickness, 8000 psi

8) Proposed Total Vertical Depth: 11,417' TVD, 11,132' TVD (Horizontal section)

9) Formation at Total Vertical Depth: Trenton (TVD) Utica (Horizontal)

10) Proposed Total Measured Depth: 18,473'

11) Proposed Horizontal Leg Length: 5,834'

12) Approximate Fresh Water Strata Depths: 375'

13) Method to Determine Fresh Water Depths: API 47-095-00010 for salt and coal. Freshwater was closest creek at 879' elevation.

14) Approximate Saltwater Depths: 1,474.5'

15) Approximate Coal Seam Depths: N/A

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes \_\_\_\_\_ No X

(a) If Yes, provide Mine Info: Name: \_\_\_\_\_  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size (in)</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling (ft)</b>	<b>INTERVALS: Left in Well (ft)</b>	<b>CEMENT: Fill-up (Cu. Ft.)/CTS</b>
Conductor	26	New	A500	85 lb./ft	30'	30'	CTS 49 Cu. Ft.
Fresh Water	20	New	J55	94 lb./ft	505'	505'	CTS 485 Cu. Ft.
Coal	13 3/8	New	J55	61 lb./ft	1,800'	1,800'	CTS 1,250 Cu. Ft.
Intermediate	9 5/8	New	HCP-110	47 lb./ft	7,645'	7,645'	1,904 Cu. Ft.
Production	5 1/2	New	P110	23 lb./ft	18,473'	18,473'	4,002 Cu. Ft.
Tubing	N/A						
Liners	N/A						

*DH*  
8-23-16

<b>TYPE</b>	<b>Size (in)</b>	<b>Wellbore Diameter (in)</b>	<b>Wall Thickness (in)</b>	<b>Burst Pressure (psi)</b>	<b>Anticipated Max. Internal Pressure (psi)</b>	<b>Cement Type</b>	<b>Cement Yield (cu. ft./k)</b>
Conductor	26	30	.375	N/A	50	Class A	1.18-1.20
Fresh Water	20	24	.438	2,110	1,000	Class A	1.18-1.20
Coal	13 3/8	17 1/2	.480	3,090	1,500	Class A	1.18-1.24
Intermediate	9 5/8	12 1/4	.472	9,440	2,000	Class A	1.18-3.00
Production	5 1/2	8 1/2	.415	16,800	2,500	Type 1 Cement	1.36-2.08
Tubing	N/A						
Liners	N/A						

**PACKERS**

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

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WW-6B  
(10/14)

4709502384  
API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. Happy 6U  
Well Pad Name: Happy

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill vertical section of this well into the Trenton for logging purposes and to gather information. After that is complete we will plug back the well with a solid cement plug to from TD to KOP, effectively plugging the Trenton formation, and drill a Horizontal section through the Utica formation.

DHW  
8-23-16

JPS  
8/23/16



20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

+/- 200' per stage using 8,000bbls of water per stage and approx. 180,000-200,000lbs. of sand Friction reducer at a 1.0gpt ratio Scale inhibitor at a .25gpt ratio biocide for prevention of bacteria growth at a .25gpt ratio and 2000 gallons of 15% acid @ 70-80BPM with pressure ranging from 6,000 to 11,000PSI. The use of a gelling agent and a breaker may be used if needed throughout the fracturing process. Water and sand will make up approximately 99% of the fluid used to stimulate with.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 19.27

22) Area to be disturbed for well pad only, less access road (acres): 5.28

23) Describe centralizer placement for each casing string:

Conductor: None  
Surface: 1 on joint above shoe and then one every 4th joint to surface  
Intermediate 2 Strings: 1 on joint above shoe and then on every 4th joint to surface  
Production: Horizontal every 42' Spiral Centralizer, Curve - every 84' Spiral Centralizer. Vertical every 500' to surface

24) Describe all cement additives associated with each cement type:

Conductor: Class A no additives  
Surface: Class A Cement, 2% Calcium Chloride, 1/4# flake  
Intermediate 1: Class A Cement 2% Calcium Chloride, 1/4# flake  
Intermediate 2:  
Production: Type1 Cement, Fly Ash, Barite, Finetol 300L, R-3 Celio Flake, CD-32, FL-62

25) Proposed borehole conditioning procedures:

Air Hole: 24" 17 1/2" & 12 1/4" - Circulate until clean with air. If soaping, slug then dry.

8 1/2" Hole drilled on fluid for the 5 1/2" casing will be circulated 5-6 bottoms up and minimum of 2 heavy weighted sweeps will be pumped to ensure all cuttings are circulated continued until no cuttings are retrieved

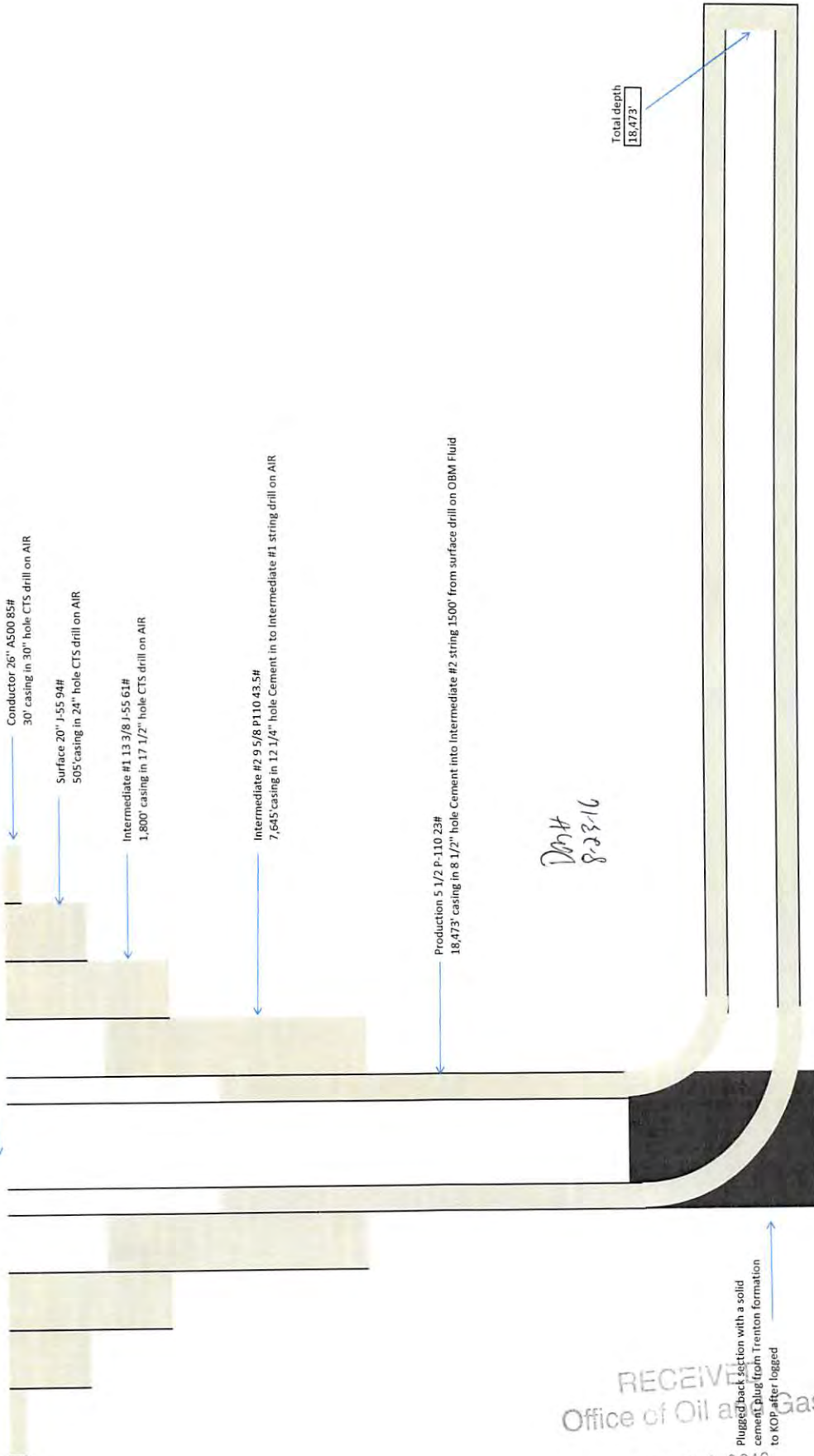
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\*Note: Attach additional sheets as needed.

Well Name: Happy 6U Tyler County, WV  
GI Elevation: 1257' Cement

Surface equipment. 13 3/8 15K multi bowl wellhead welded to 13 3/8 string with 10K BOP system during drilling operations



Conductor 26" A500 85#  
30' casing in 30" hole CTS drill on AIR

Surface 20" J-55 94#  
505' casing in 24" hole CTS drill on AIR

Intermediate #1 13 3/8 J-55 61#  
1,800' casing in 17 1/2" hole CTS drill on AIR

Intermediate #2 9 5/8 P110 43.5#  
7,645' casing in 12 1/4" hole Cement in to Intermediate #1 string drill on AIR

Production 5 1/2 P-110 23#  
18,473' casing in 8 1/2" hole Cement into Intermediate #2 string 1500' from surface drill on OBM Fluid

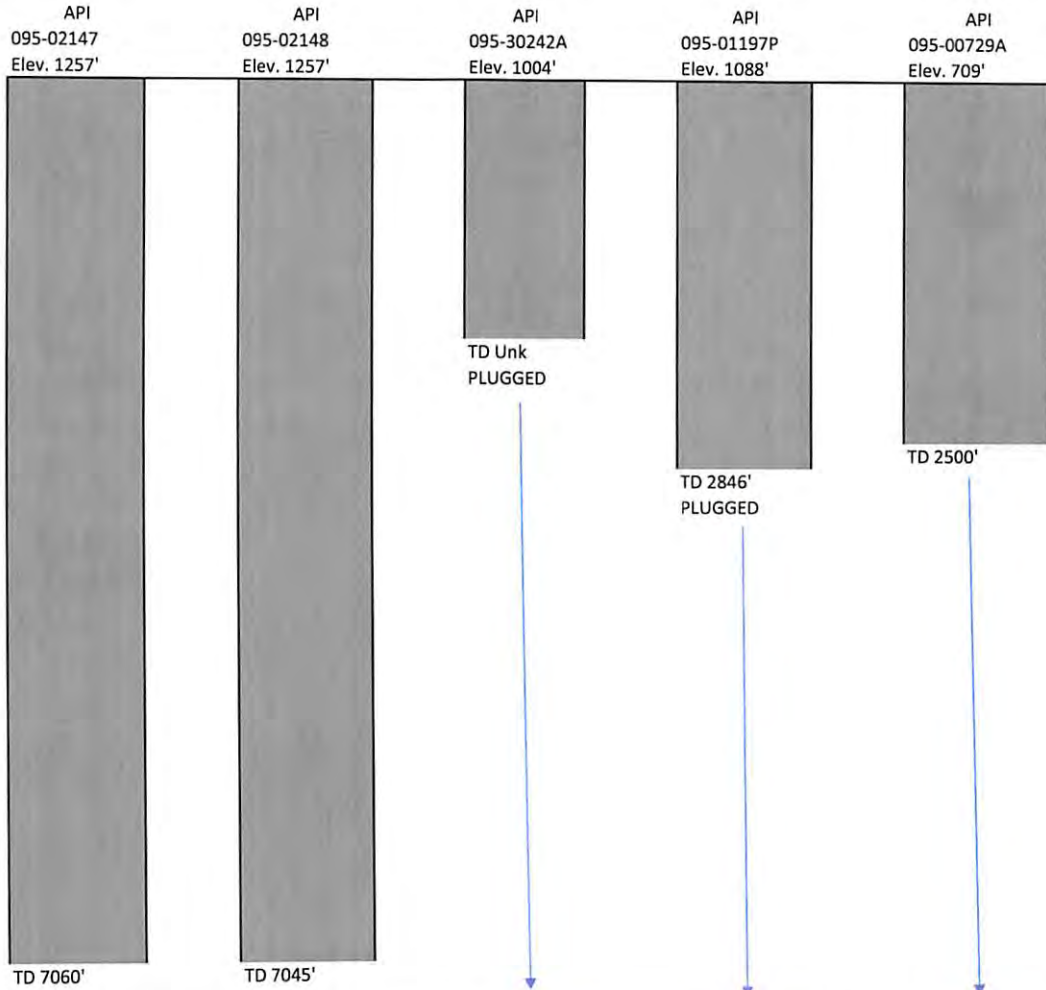
DWH  
8-23-16

Total depth  
18,473'

ck

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Plugged back section with a solid cement plug from Trenton formation to KOP after logged

**Area of Review**  
Happy 6U - API Pending



Operator	Jay-Bee Oil & Gas, Inc.	Jay-Bee Oil & Gas, Inc.	Unknown	Unknown	Hi West Petroleum Exploration
Well Name	Happy 2	Happy 6		1-1798	Wetzel 2
Perforated Formations	Marcellus	Marcellus	Unknown	Gordon	Gordon
Unperforated Producing Formations	Elk	Elk	Unknown	Elk	Elk
	Alexander	Alexander		Alexander	Alexander
	Benson	Benson		Benson	Benson
	Riley	Riley		Riley	Riley
	Speechley	Speechley		Speechley	Speechley
	Warren	Warren		Warren	Warren
	Gordon	Gordon			
	Gantz	Gantz			
	Berea	Berea			
	Weir	Weir			
	Big Injun	Big Injun			
	Keener	Keener			
	Big Lime	Big Lime			
	Maxon	Maxon			
	Big Dunkard	Big Dunkard			
	Little Dunkard	Little Dunkard			
Cow Run	Cow Run				

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WW-9  
(4/16)

4709502384

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. Happy 6U

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Jay-Bee Oil & Gas, Inc. OP Code 24610

Watershed (HUC 10) Walnut Fork Creek Quadrangle Shirley 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number 47-085-09721 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Using Contract Haulers (API's 47-085-05151 )

*DMH*  
*8-23-16*

Will closed loop system be used? If so, describe: Yes. Centrifuge Drying Shaker System for Top Hole & Horizontal section

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air Vertical / Horizontal OBM

-If oil based, what type? Synthetic, petroleum, etc. ABS 40 (Aliphatic Base System) Synthetic ✓

Additives to be used in drilling medium? Barite, ABS MUL/VIS, Bentone990, CACL2, CalCarb,FLR, Lime,Multifiber,Permaseal,Nut Plug

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Landfill

-Landfill or offsite name/permit number? Meadowfill/Permit 101219WV

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature *Shane Dowell*  
Company Official (Typed Name) Shane Dowell  
Company Official Title Office Manager

Subscribed and sworn before me this 23<sup>rd</sup> day of August Office of Oil and Gas  
*Teresa R. Hall*  
My commission expires Oct 9<sup>th</sup> 2019

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Office of Oil and Gas  
My Commission Expires Oct. 09, 2019  
Notary Public  
Waverly, WV 26164  
4724 Valley Mill Rd.  
Teresa R. Hall  
Notary Public, State of West Virginia  
Official Seal  
11/18/2016

Jay-Bee Oil & Gas, Inc.

Proposed Revegetation Treatment: Acres Disturbed 19.27 Prevegetation pH 6.8

Lime 2-3 Tons/acre or to correct to pH 6.8

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay 2 Tons/acre

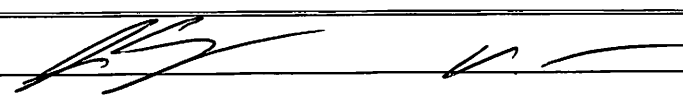
Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	KY Bluegrass	20
Field Bloomgrass	40	Creeping Red Fescue	30
Sudangrass	40	Perennial Ryegrass	10

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Title: Oil & Gas Inspector

Date: 8-23-16 RECEIVED  
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Field Reviewed?  Yes  No

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4709502384

# HAPPY 6U

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# WELL SITE SAFETY PLAN

JBS  
5/25/16

DmH  
8-23-16

JAY-BEE OIL & GAS, INC

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# Table of Contents

---

## Contacts, Schedules, and Meetings

Operator Information.....	Page 1
Emergency Contacts.....	Page 1
Additional Contacts.....	Page 1
Schools Public Facility (1 Mile).....	Page 1
Public Notification Process.....	Page 2
Pre-Spud Meeting Process.....	Page 2
Daily Site Safety Meeting Process.....	Page 2

## Maps and Diagrams

Location Coordinates and Road Information.....	Page 3
Evacuation Plan.....	Page 3
Location Map.....	Page 4
Topographic Map of Location.....	Page 5

## Well Work

Well Work Details.....	Page 6
Emergency Services Notification Process.....	Page 7

## Chemical Inventory & MSDS

Material Safety Data Sheets.....	Page 7
----------------------------------	--------

## BOP and Well Control

BOP Equipment Specs.....	Page 7
BOP Testing Procedures.....	Page 7
Well Control Training.....	Page 8
Drilling Issues Procedures.....	Page 9
Kill Procedures.....	Page 9

## Hydrogen Sulfide (H<sub>2</sub>S)

Detection/Monitoring Procedures.....	Page 10
Notification Process.....	Page 10
PPE.....	Page 10

## Flaring

Flaring Procedures.....	Page 11
-------------------------	---------

## Collision Avoidance

Underground Protocol.....	Page 11
---------------------------	---------

## Deep Well Additional Requirements

List of Anticipated Zones.....	Page 15
Detailed Casing Program.....	Page 15
Flaring Activities.....	Page 15
1 Mile Radius Notification Information.....	Page 18

## Appendix

Misc Documents to Accompany This Site Safety Plan.....	Appendix
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Environmental Protection 11/18/2016

**JAY –BEE OIL & GAS INC**  
**3570 SHIELDS HILL RD**  
**CAIRO, WV 26337**  
**OFFICE (304) 628-3111**  
**FAX (304) 628-3107**

**WELL SITE DRILLING PROCEDURES AND SITE SAFETY PLAN**  
**Per 35CSR8/§22-6A**

(Any changes or modifications to previously approved plans must be approved by the West Virginia Department of Environmental Protection - Office of Oil and Gas)

<b>Well Name</b>	Happy 6U
<b>Well Pad</b>	Happy Pad
<b>24hr Emergency Contact</b>	Travis Yost – Safety Manager 304-203-5773
<b>Operator Contacts</b>	Roy Lemasters 304-904-8625 Andrew Neill 740-885-9635 Terry Coleman 304-679-8516 Jim Layfield 304-904-2821 Travis Yost 304-904-7228
<b>Contractor Contacts</b> <small>(updated list will be on file on location)</small>	AES – Titus Robinson 304-871-1805 UWS – Harry Berry 304-552-7264 Central ES – Lewis Primm 304-483-3596 CJ Energy - Chuck Barnett 304-884-6684 Miller Supply- 740-373-6806 BOS- Dan Line 412-529-1685 HWD- Dave Larson 405-420-8175
<b>DEP Contacts</b>	Tyler County DEP Inspector – Justin Snyder 681-313-6995
<b>Local Emergency and Hospital Contacts</b>	Warning Point & 911 Center Dispatch Center - 304-758-2911 Sheriff - Bob Kendle 304-758-4229 LEPC - Pat Walsh 304-652-6932 State Police Detachment - 304-455-0913 Alma Fire Department - Johnny Miller 304-758-4066 Middlebourne Fire Department - Bryan Taylor 304-758-4349 Shirley Fire Department - James Wade 304-758-2391 Sistersville Fire Department - Steve Leasure 304-652-7131
<b>Schools/Public Facilities (1 mile radius)</b>	No Schools or public facilities are within 1 mile Office of Oil and Gas

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<b>Notification of Public of H2S</b>	See the Appendix for list of local contacts on the DEP created form. When H2S is applicable to our drilling process, the local contacts and the emergency contacts will be notified of such operations.
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**SAFETY PLAN MEETINGS/SCHEDULES**

A pre-spud meeting will be held prior to beginning drilling operations and will include prior notice to the county oil and gas inspector or other designated Office of Oil and Gas representative. The attendance log can be found in the appendix.

Regularly scheduled on site safety meetings will be conducted each morning to discuss the planned daily activity. Documentation will be maintained to keep an accurate record of attendance. There will also be a safety meeting scheduled prior to any critical operation.

An accurate headcount of personnel shall be maintained by the supervisor for each shift. There will be a sign posted at the entrance to the well location advising that any person entering the premises will immediately report to the Jay Bee Oil & Gas representative on site and sign the "Check-In and Check-Out" roster. The company representative will maintain the roster to provide an accurate headcount of personnel and visitors on location at any time.

**NOTIFICATION AND PROTECTION ZONES STANDARDS**

1. A method of notification to all residents and emergency response personnel who may be affected by specific events during the operation. Such events may include, without limitation, the presence of hydrogen sulfide, blow-outs, and flaring.

As previously mentioned, the site supervisor will maintain a list of all residents in the area which includes their contact information and directions to their houses. The site supervisor will designate an individual to be in charge of contacting area residents in case of an incident. Additionally, the local 911 center will be contacted to ensure proper notification of emergency response personnel.

2. The operator should establish and maintain protection zones during applicable events and working environments.

The site supervisor will establish and maintain above mentioned zones.

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## LOCATION INFORMATION

<b>Latitude/Longitude Well Location</b>	Northing 4,368,934.8 Easting 521,425.4
<b>Latitude/Longitude Road Entrance</b>	Northing 4,368,495.3 Easting 522,632.4
<b>Public Road</b>	Walnut Fork Rd.
<b>Directions to Well</b>	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 2 miles, lease road on left.

## EVACUATION PLAN

In the unlikely event an evacuation should become necessary, all personnel will gather at a predetermined safe briefing area. The area for this site is identified as:

There will be signs for two evacuation routes and at the end of each of these routes there will be a gathering area. On the evacuation route signs there will be arrows pointing in the direction to travel.

An *immediate* head count will be taken by the site supervisor and the location of each individual will be determined. The situation will be assessed with immediate response and emergency calls as needed. The site supervisor will send an employee or other representative to the nearest county road access to prevent unauthorized personnel from entering the location and to direct emergency response personnel to the site. If required, the site supervisor will send an employee or other representative(s) to contact all surrounding residents and shall also go door-to-door, if necessary.

Jay Bee Oil & Gas Inc will maintain first aid kits on site. Site personnel will maintain current First Aid/CPR training as a requirement of their training process.

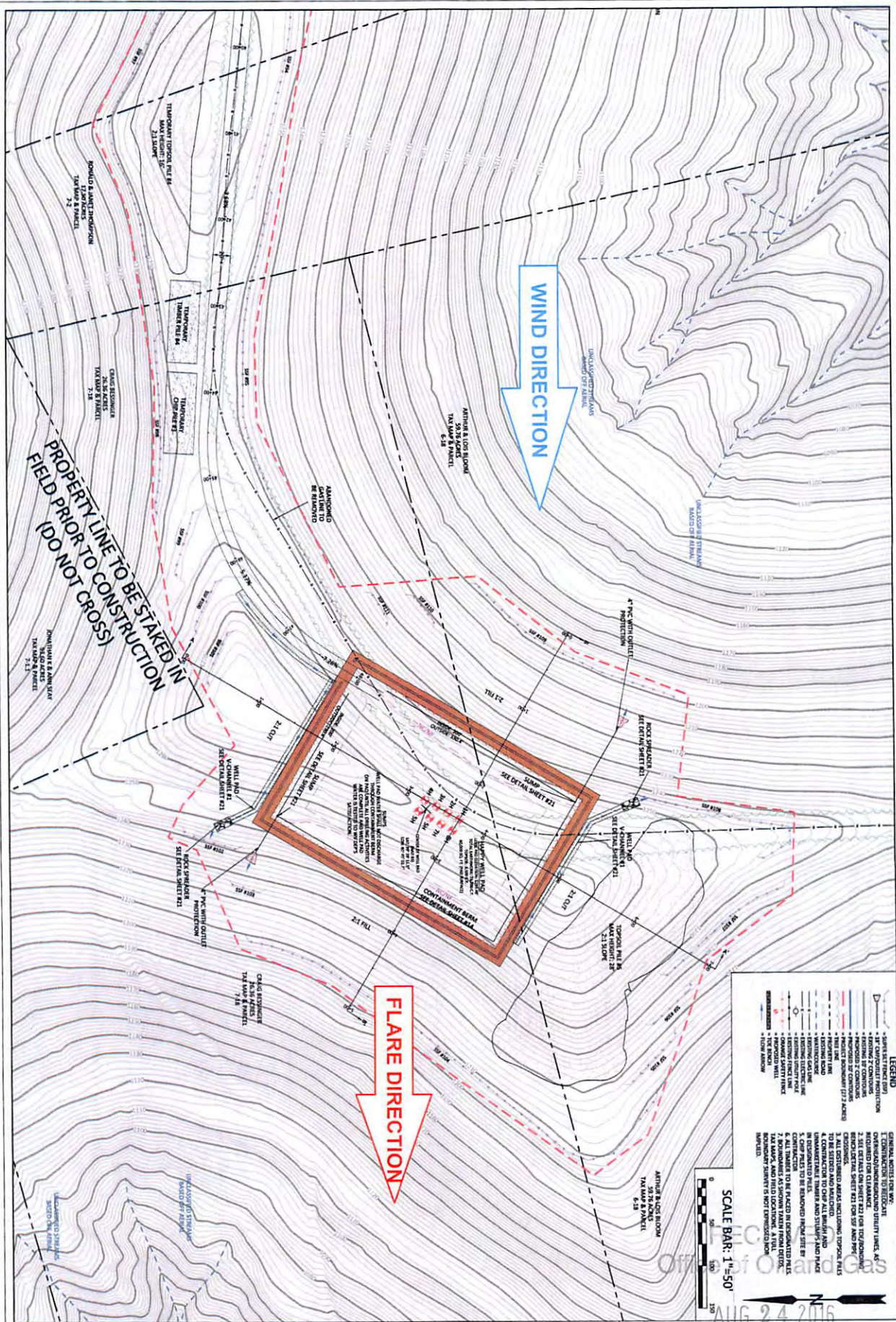
## LOCATION MAP AND TOPOGRAPHIC MAP

The following pages include the location map and topographic map of the location including the evacuation plan.

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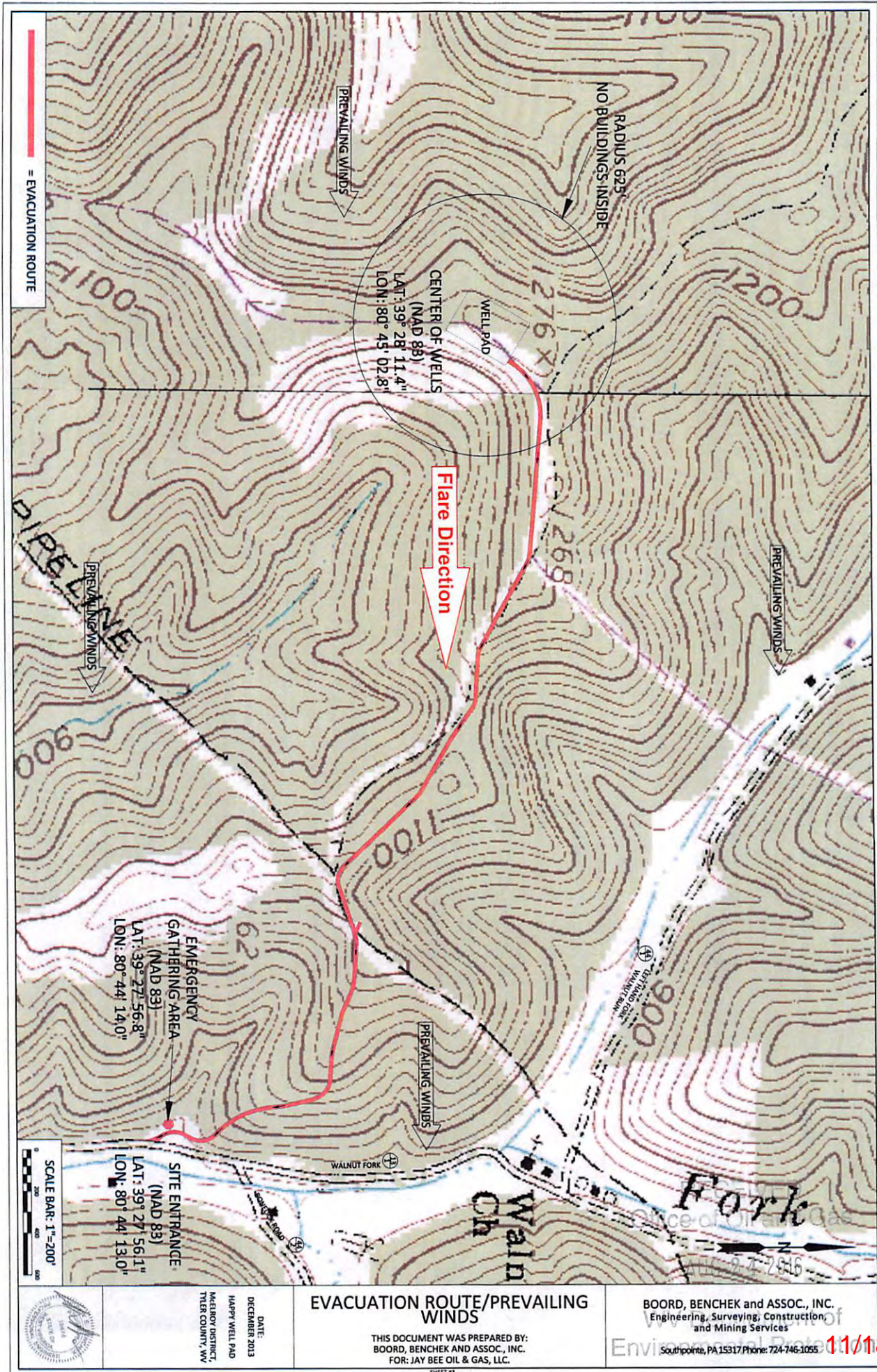
Jay-Bee Oil & Gas, Inc

**HAPPY PAD  
WIND AND FLARE DIRECTION**

WV Department of  
Environmental Protection

11/18/2016





— = EVACUATION ROUTE

SCALE BAR: 1"=200'



DATE: DECEMBER 2013  
 HAPPY WELL PAD  
 MERRYBERRY DISTRICT,  
 TYLER COUNTY, WV

**EVACUATION ROUTE/PREVAILING WINDS**  
 THIS DOCUMENT WAS PREPARED BY:  
 BOORD, BENCHEK AND ASSOC., INC.  
 FOR: JAY BEE OIL & GAS, LLC.

BOORD, BENCHEK and ASSOC., INC.  
 Engineering, Surveying, Construction  
 and Mining Services  
 Southpointe, PA 15317 Phone: 724-746-1055

11/18/2016

## WELL WORK DETAILS: DRILLING METHOD

The well will be drilled in two phases: Vertical to Kick-off Point (KOP), and Horizontal to the Total Depth (TD).

The vertical portion of the well will be drilled following the casing and cementing guidelines found below. The Conductor, Fresh Water and Intermediate holes will be drilled in this process. The Total Vertical Depth (TVD) of this well is set at 11,132'.

The Horizontal portion of the well will focus specifically on the Production hole. The TD of this well is set at 18,473'.

## WELL WORK DETAILS: WELLBORE CASING AND CEMENTING STANDARDS

The location, if applicable, of all freshwater, saltwater, oil and gas producing, hydrogen sulfide producing, thief, and high pressure and volume zones are known to the operator.

### Per Casing & Cementing Standards:

- All casings used in the wellbore must be new.
- Centralizers must be used during casing installations.
- Cements must meet API standards.
- A conductor must be cemented to the surface from the bottom if freshwater is behind it and conductor must remain in the well.
- At least 300 feet of surface casing shall be installed (unless, oil, gas or saltwater encountered) and must be cemented to the surface.
- Surface casing that is more than 300 feet deep shall be installed at least 50 feet and no more than 100 feet below the deepest freshwater strata and must be cemented to surface.
- Intermediate casing must be cemented to the surface. Production casing, at a minimum, must be installed and cemented at least from the top of target formation to a point 100 feet up inside the intermediate casing.
- All casings cemented shall not be disturbed for at least 8 hours after cementing operations.
- Surface and coal protection casings must be pressure tested at a pressure 20% greater than is expected to have exerted upon them and a cement quality log is conducted.
- Section of the wellbore for the conductor, surface, and coal protection strings drilled using only air, freshwater, or freshwater based drilling medium.
- No oil or gas production or pressure should exist on the surface or coal protection strings.
- Intermediate casing shall be pressure tested in the same manner as above except a shoe or jug test shall be conducted immediately after drilling resumes.
- Production casing must be pressure tested at a pressure 20% greater than is expected to have exerted upon it during the fracturing operations and have a bond log ran.

Production casing pressure testing again, after fracturing, at a pressure 20% greater than the expected shut in pressure.

## **WELL WORK DETAILS: FRACTURING AND STIMULATION METHODS**

200-250' per stage 8,500bbls of water, 150,000 – 400,000lbs of sand, friction reducer, 1# per gallon, scale inhibitor, and bacteria prevention ¼# per gallon, 2000 gallons 15% vol acid.

**A copy of this plan will be provided to the local emergency planning committee or county emergency services offices at least 7 days prior to land disturbance from well work.**

## **CHEMICAL INVENTORY & MSDS**

Material Safety Data Sheets (MSDS) for all materials and chemicals on the well site shall be maintained on the well site and will be readily accessible. The MSDS shall be maintained by the site supervisor. The MSDS sheets will also be submitted with this plan electronically.

Inventory for all materials on site for mixing of mud including numbers and type of mixing units - mixed mud amount and weight, amount of weighting material and volume of mixing fluid will also be kept track of during well work operations.

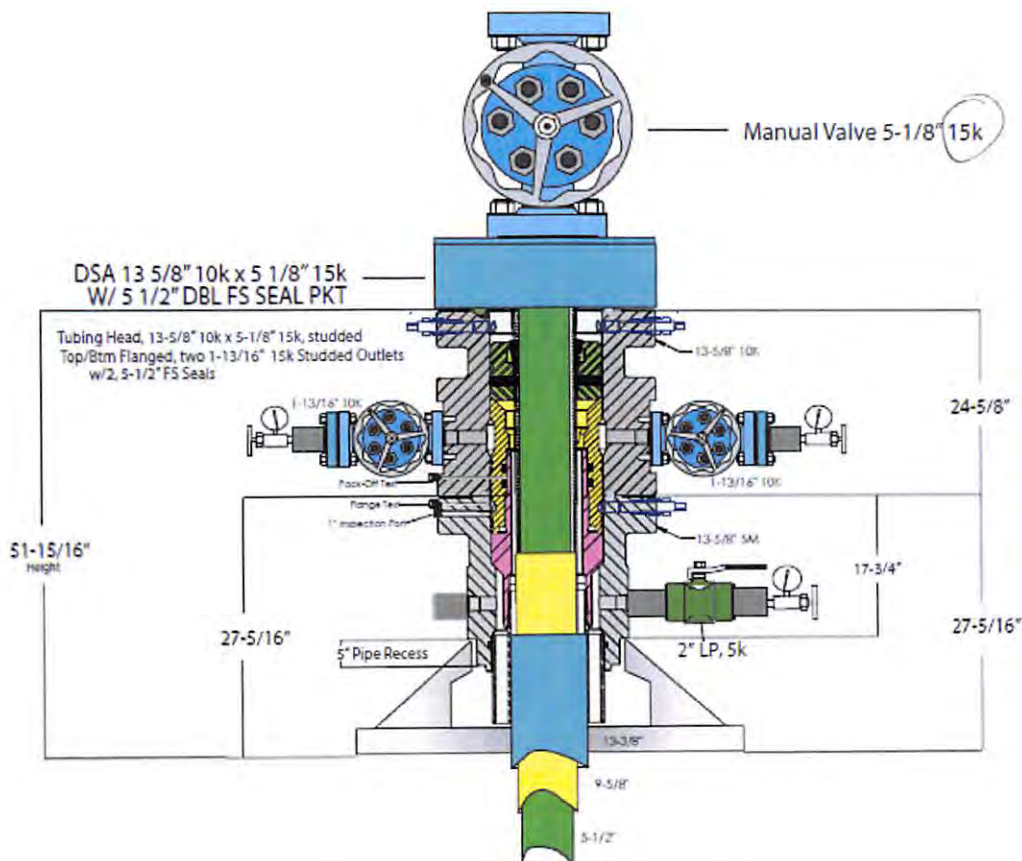
## **WELL CONTROL AND BLOW-OUT PREVENTER (BOP) STANDARDS**

1. List of BOP equipment and casing heads with types, sizes, and ratings, to be utilized and available during the drilling of the well:
  - 13 3/8" Multi Bowl Well Head 15k
  - Flow Cross & Kill Line 10k, with 2 2 9/16" 10k Gate Valves
  - 13 3/8" 5k Schaffer Annular & 10k Double Gate Pipe & Blind Rams
  - Downstream of flow cross is a 10k choke manifold with 3 sets of valves and 2 10k manual chokes to regulate gas going to buster & flare stack that has 2 auto ignitors
  - Washington Rotating Head
  
2. The procedure and schedule for testing the BOP stack.

On each new horizontal well to be drilled, we first lay all pieces of BOP and pressure equipment out and visually inspect each piece for damages. If pieces are damaged or worn, they are immediately replaced. Once BOP and pressure equipment is visually inspected and found to be in good visual condition, it is then ~~assembled up~~ assembled up and function tested. After we rig up, we then set a test plug in the well head and the BOP is pressure tested to max working pressure by a 3<sup>rd</sup> party test company.

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3. A schedule for BOP equipment installation and operation on the applicable casing string. BOP will be installed and tested before horizontal drilling starts, weekly and after each bit trip. The BOP will be tested every 21 days thereafter, to the procedures listed in section 2.
4. A list of all personnel with approved well control training and current certification recognized by the International Association of Drilling Contractors (IADC).
5. A detailed record of significant drilling events, including without limitation lost circulation, the presence of hydrogen sulfide gas, fluid entry, kicks, and abnormal pressures, will be maintained for each 24 hour period. The district oil and gas inspector or the designated Office of Oil and Gas representative shall be notified as soon as possible of any unusual drilling events such as large kicks that occur during drilling and although the encounter of hydrogen sulfide gas is not anticipated, there will be a mandatory immediate notification of the Office of Oil and Gas in that event.
6. A schematic and description of the wellhead assembly placed on the well upon completion is attached to this packet.



### WELL KILLING STANDARDS

1. As stated in our chemical inventory section, an inventory of all material that will be on site for the mixing of mud shall be kept. The inventory shall include the amount of mixed mud, mixed mud weight, amount of additional weighting material (i.e. barite or bentonite), and the volume of water for mixing.

2. The number and type of mixing units that will be used for the mixing of mud are as follows:

- **Equipment**

- 2 50 horsepower electric mixing pumps
- 1 Super sack hopper & 1 sack hopper

- **Material**

- Barite super sacks & 100 sacks
- ABS MUL (emulsifier)
- AES VIS (Organophillic Clay) for viscosity
- AES WASH (surfactant)
- Bentone 990
- CACL2 (calcium chloride)
- CalCarb (calcium carbonate)
- FLR
- Lime
- Multifiber
- Permaseal
- Nut Plug
- TRU VIS
- Lubra-Glide
- Claytone EM
- Silverseal
- Synthetic Base Oil 150-200 BBL
- 1000 BBL of Mixed Mud
- 12-14# Mud Weight
- Water 250-500 BBL

3. The methodology and type of kill procedures as recognized by the IADC.

- Wait and Weight
- Driller Method (*Preferred, explained below*)
- Circulate and Weight
- Concurrent Method
- Reverse Circulation
- Dynamic Kill procedure
- Bullheading
- Volumetric Method
- Lubricate and Bleed

4. Well Killing Method –

a. Space out the drillstring and sound the alarm

- Position the Kelly or top drive so that no tool joints are in the preventers
- If possible, have uppermost tool joint at connection height above rotary table/rig floor

b. Shut down the rotary/top drive and the pumps

- Stop rotating
- Stop the mud pumps

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- c. Check for well flow. If well is flowing, continue with next step (4.)
  - If well is not flowing then mix mud that is at least 1ppg heavier than what is in well bore.
  - Pump heavier mud down well at a rate of 50% of previous pumping rates until the entire well bore has heavier mud in it.
  - Repeat until well is stable.
  
- d. Shut-in the well
  - Close the designated BOP (blowout preventer)
  - Ensure the choke is closed
  - Open the choke line hydraulic opening valve
    - Verify the well is shut-in and the flow has stopped

## HYDROGEN SULFIDE (H2S) OPERATIONS STANDARDS

We will be penetrating the Onondaga formation, our safety measures when drilling in such formations are as follows:

When drilling in areas of *known* H2S, rig crews will:

- Be trained in H2S safety measures
- Have the appropriate safety equipment
- Use equipment that fits guidelines for H2S.
  - o H2S Sensors on:
    - Drilling Station
    - Drilling Floor
    - Every 50' in a 50' radius around the rig
    - Clipped on Floor Hand Belts
  - o An audible siren alarm that is tripped by the sensors
  - o Respirators
  - o Wind Sock

Any influx into the wellbore should be assumed to contain H2S. The size of the influx, amount of under balance, formation character, weather conditions, etc. should be considered when deciding to circulate out or pump away the influx. If the decision is made to circulate out the H2S kick, clear the rig floor and restricted area of all unnecessary personnel and take the following additional precautions:

- Rope off the rig substructure – to include BOPs, choke lines, choke manifold and mud return areas – and identify as a restricted area. No one shall enter these areas without proper breathing apparatus, H2S monitor, and specific approval from the Toolpusher.
- Continuously monitor the H2S concentration level in the **mud returns**.
- The drilling supervisor shall alert affected downwind facilities and population.
- The drilling supervisor shall implement any other precautions deemed necessary.
- When circulating, all personnel involved in the well control operation will mask-up at least 30 minutes prior to bottoms up. The flow from the choke should be diverted through the gas buster and the gas should be flared. The mud stream will return to the active system where any remaining gas can be removed by the degasser and the use of an H2S scavenger system.

AUG 24 2016

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**NOTE:** An evacuation plan will be posted on site at all times as mentioned on page 3 of this plan.

A list of emergency contact numbers for the area where the well is located is attached to this document, as mentioned on page 3.

The site supervisor, or an appointed designee, shall work closely with local first responders in the area prior to drilling to familiarize them with potential incidents that are related to oil and gas development so that proper response can be utilized and to help implement the Well Site Safety Plan.

## **FLARING SITE OPERATIONS STANDARDS**

See “Deep Well Flaring Operations Standards” in the “Deep Well Additional Requirements” section below.

## **COLLISION AVOIDANCE STRATEGY**

Prior to the drilling process site survey and platting is completed to collect all local well information within 5,280’ of the prospected wellbore. This allows us to pre-plan placement of the wellbore to ensure there are no existing wells in close proximity to it.

After the first well is drilled to TVD, Jay-Bee Oil & Gas completes gyroscope and nudging work on all wells drilled after. Completing these processes allows us to document the precise location of wellbore underground, which prevents any underground collisions. The gyroscope process is subcontracted through a designated contractor, and occurs with each well prior to drilling the subsequent wells on the same pad.

In further detail, collision avoidance is managed by utilizing gyro tools, downhole steering tools (Measure While Drilling/Electro-Magnetic), and anti-collision software by engineers. Two drilling scenarios that occur are normal pad drilling and return to pad drilling. Normal pad drilling is defined when a top hole rig drills each well on the pad down to kick off point (KOP) and then a bottom hole rig moves onto the pad after the top-hole rig moves off and drills the curve and lateral sections. Normal pad drilling can also be defined when a bottom hole rig moves to a pad and drills each well on the pad from surface to TD. Return to pad drilling is a scenario where a top-hole rig or a bottom hole rigs returns to a pad to drill additional well(s) that currently have producing (live) wells on the pad. In each scenario gyro tools, MWD/EM tools, and anti-collision processes are utilized to mitigate the risk of downhole collisions. In both scenarios, it is Jay-Bee’s standard operating procedure (SOP) of the on-site supervisor of Jay-Bee and the directional drilling company supervisor to confirm the orientation of the directional tools and ensure that the tools are orientated consistent with the directional motor’s high side. When anti-collision is a risk and directional assemblies required to be navigated utilizing a gyro tool, it is Jay-Bee’s SOP to use the Gyro company’s muleshoe to ensure the accuracy of the gyro seat in the muleshoe. In addition, when using this muleshoe, it is Jay-Bee’s SOP to have the Jay-Bee’s on-site supervisor, directional drilling company supervisor, and gyro company supervisor confirm the alignment and orientation of the tool and ensure that the tools are orientated consistent with the directional motor’s high side. This ensures the azimuthal direction is correct when steering the well.

**Normal Pad Drilling** is a process of when our top-hole rig will move on a pad and drill each well to KOP. At KOP of each well a gyro will be run to confirm the position of the hole. Each gyro is analyzed and certified accurate by the gyro company before it is used for any pre-pad directional planning or modeling. Each tool is roll tested on location and if all surveys are within tolerances the gyro survey is sent to the gyro company's office to be further analyzed and certified accurate. When the bottom hole rig moves onto the pad, after the top-hole rig has moved off, anti-collision is run on each well and the most efficient well path, with the lowest risk of collision, is designed and selected by engineers to be executed in the drilling plan utilizing directional drilling and anti-collision software. Directional bottom hole assemblies (BHA) are run in the hole and used to drill the well from vertical to horizontal. Gyros are taken as needed to steer the well until the well is comfortably away from the other wells and the risk of collision is eliminated. Surveys utilizing MWD/EM tools are taken from that point on to the total depth of the well is achieved. While directionally drilling the well, anti-collision software is utilized and separation factors are analyzed by both Jay-Bee supervisors and the directional drilling well planning technicians. During this scenario, if two wells come with 10 feet or a separation factor of 1.5, each survey is monitored closely and anti-collision is run after each survey until the wells are clear of a collision risk.

**Return to Pad Drilling** is a process of when our top-hole rig or bottom hole rig will move on a pad that currently has producing (live) wells on the pad. Prior to drilling additional wells on the pad the existing wells on the pad are analyzed. Engineers evaluate how the existing wells walk in the vertical part of the well and prepare preliminary directional plans to mitigate downhole collisions. After the rig moves on the pad and starts drilling, gyro surveys are taken several times from surface to KOP. Each gyro is analyzed and certified accurate by the gyro company before it is used for any directional planning or modeling. Each tool is roll tested on location and if all surveys are within tolerances the gyro survey is sent to the gyro company's office to be further analyzed and certified accurate. After each gyro is taken, the surveys are analyzed by both Jay-Bee supervisors and the directional drilling well planning technicians and anti-collision is run to ensure current well path is not in the direction of a producing well(s). Frequency of gyros is determined by the Jay-Bee supervisors and the position of the hole as it relates to existing wells on the pad. Directional BHAs are run in the hole and used to drill the well from vertical to horizontal. Gyros are taken as needed to steer the well until the well is comfortably away from the other wells and the risk of collision is eliminated. Surveys utilizing MWD/EM tools are taken from that point on to the total depth of the well is achieved. While directionally drilling the well, anti-collision software is utilized and separation factors are analyzed. During this scenario, the well is surveyed from surface to TD as it is drilled and if two wells come with 14 feet or a separation factor of 2.0, each survey is monitored closely and anti-collision is run after each survey until the wells are clear of a collision risk.

See the next two pages reflecting the our wellbore Anti-Collision wellbore schematic:

- Collision Avoidance Local Vertical Well Depths.
- Collision Avoidance Top Hole Placement of Horizontal Leg to Wells.

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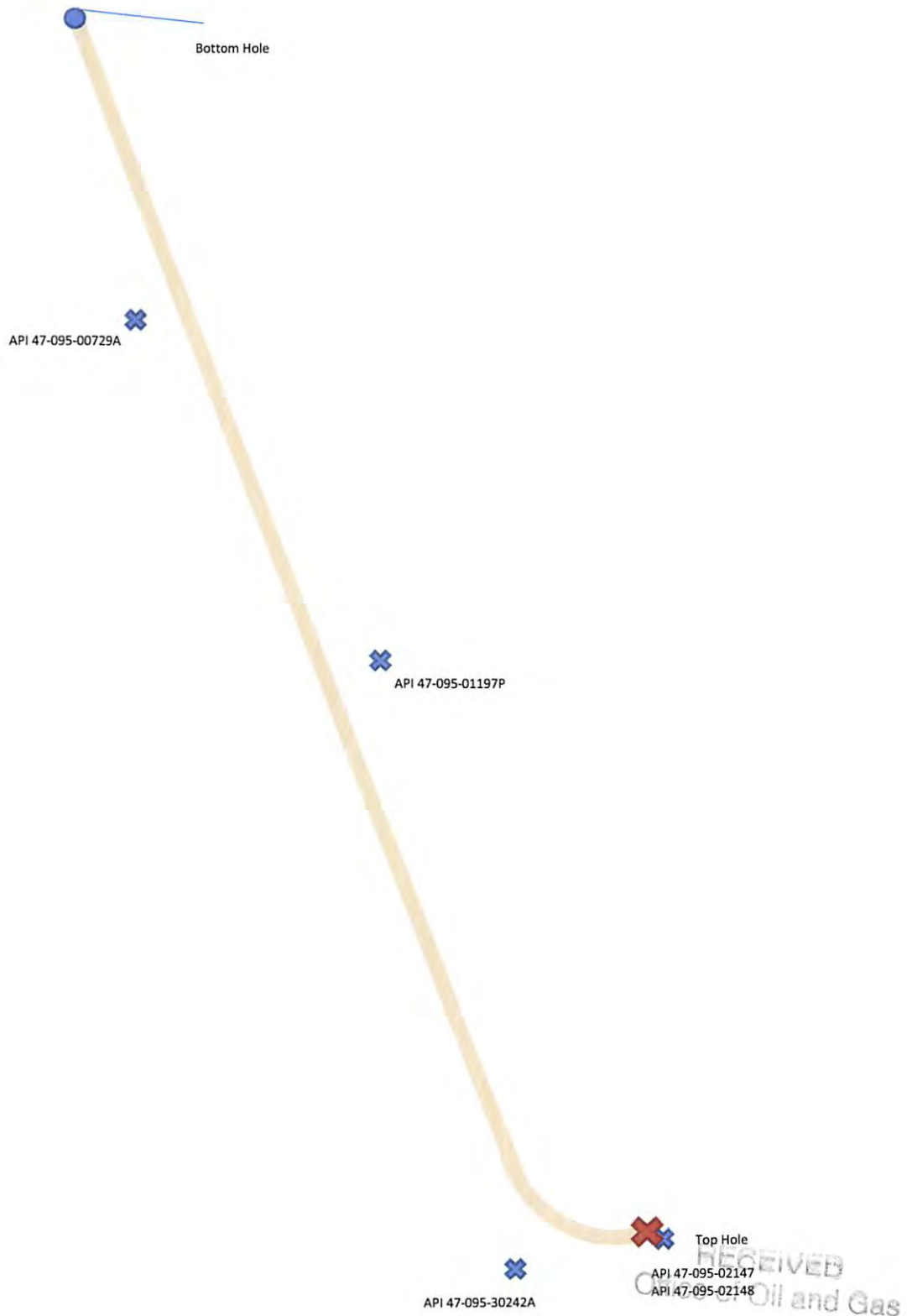
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### Well-Site Safety Plan Anti-Collision Schematic



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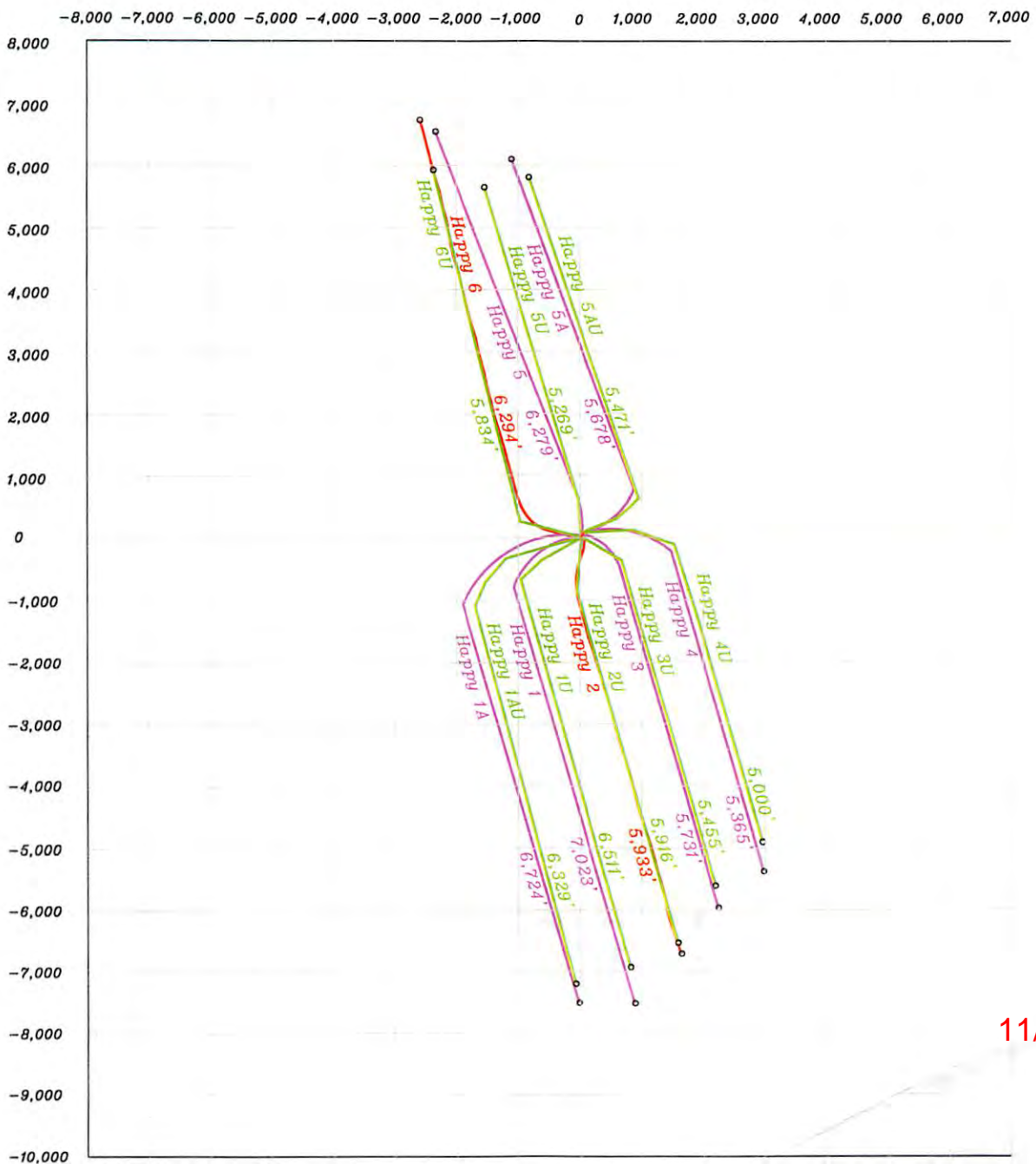
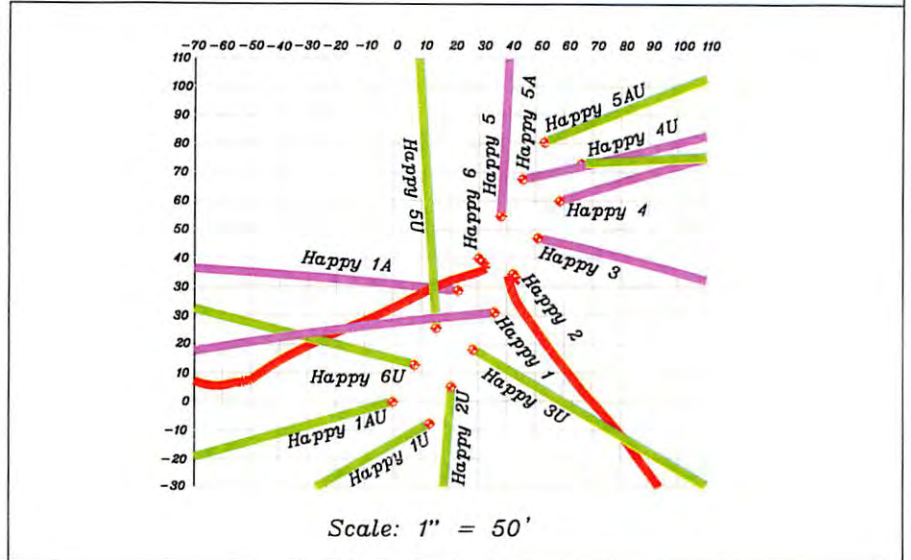
Jay Bee Oil & Gas

Ellsworth District, Tyler County,  
West Virginia

4709502384

Happy top hole and leg layout drafted by  
Jackson Surveying, Inc.

August 19, 2016



11/18/2016

## DEEP WELL ADDITIONAL REQUIREMENTS

Below is a list of anticipated freshwater, saltwater, oil and gas, hydrogen sulfide, thief zones, high pressure and volume zones and their expected depths

- Freshwater - 375' (estimated)
- Big Injun – 1,800' (estimated)
- Gordon – 2,700' (estimated)
- Benson – 4,800' (estimated)
- Marcellus – 6,525' (estimated)

Possible H2S Zones:

- Onondaga – 6,700' (estimated)
- Huntersville – 7,125' (estimated)
- Oriskany – 7,575' (estimated)
- Helderburg – 7,700' (estimated)
- Newburg – 8,825' (estimated)
- Medina – 9,825' (estimated)
- Utica – 11,132' (estimated)

Below is our casing program for this well:

TYPE	Size	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill -up (Cu. Ft.)
Conductor	26	New	A500	85	30	30	CTS 49 Cu. Ft.
Fresh Water	20	New	J55	94	505	505	CTS 485 CF
Coal	13 3/8	New	J-55	61	1,800	1,800	CTS 1250 CF
Intermediate	9 5/8	New	HCP-110	47	7,645	7,645	1,904 CF. (Est)
Production	5 1/2	New	P110	23	18,473	18,473	4002 Cu. Ft. (Est)
Tubing							
Liners							
TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield	
Conductor	26	30	.375	N/A	Class A Cement	1.18-1.20	
Fresh Water	20	24	.438	2,110	Class A Cement	1.18-1.20	
Coal	13 3/8	17 ½	.480	3,090	Class A Cement	1.18-1.24	
Intermediate	9 5/8	12 ¼	.435	9,440	Class A Cement	1.18-3.00	
Production	5 1/2	8 ½	.415	16,800	Type 1 Cement	1.36-2.08	

### Deep Well Flaring Operations Standards

(Operations and Process Completed by Jay-Bee Oil & Gas, Inc.)

We do not anticipate using flaring for flow-back of the well. However, in the drilling process flaring may be used in situations required for safely drilling the well.

#### 1. Purpose

- This procedure shall apply to the commissioning of Surface Well Testing equipment

received at a Well Testing location or base operation. • To clearly define Safe Operating Recommendations for all Weatherford employees, Clients and Contractors.

## **2. Scope**

This procedure shall apply to the onsite rig up of Surface Well Testing equipment received at a Surface Well Testing location or base operation.

## **3. Responsibility**

It shall be the responsibility of the Senior Site Supervisor to ensure equipment either at base or at location is rigged up in accordance with these requirements at a minimum and with safe working practices and procedures. All state or local requirements should also be referenced, and if there are differences between Weatherford recommendations and local or state regulations the larger spacing distance should be utilized if possible.

Any issues or deviations with the spacing requirements set forth (due to lack of space on location, etc) should be addressed with local management for approval and properly documented before proceeding.

## **4. Recommended Equipment Spacing & Fire Safety**

### **4.1. Layout Spacing (General Requirements) • Wellhead to heated Separator (with flame arrestor) – 75ft**

- Wellhead to Cold Separator – 50ft
- Cold Separator to atmospheric tanks – 50ft
- Heated Separator (with flame arrestor) to atmospheric tanks – 75ft
- Separator to flare stack – 75ft
- Wellhead to tanks – 100ft
- Tanks to flare – 100ft
- Flare to wellhead – 100ft
- Vaporizer to tanks – 100ft
- Vaporizer to separator – 75ft
- Office trailer to wellhead & tanks – 100ft
- Office trailer to separator – 75ft
- Wellhead to Non-certified pressurized Storage tank – 100ft

### **4.2. Tanks (Detailed)**

- Tanks should be a minimum of 50' from a separator, well test unit or other non-fired equipment
- Tanks should be a minimum of 100' from a fired vessel or heater treater
- Tanks shall be a minimum of 100' from a wellhead
- Gauge hatches on atmospheric tanks used to store crude oil shall be closed at all times when not in use
- Flammable liquids should not be stored within 100' of well, except for fuel in tanks of operating equipment
- Liquefied Petroleum Gas tanks larger than 250 gals should be 150' from rig
- ALL tanks will be properly grounded individually, using copper grounding cable with a minimum gauge of 1/0.
- ALL tanks will be individually vented with a 2" x 10' and 4" x 10' vent stack using the integrated 2" and 4" vent holes.
- ALL return lines will be plumbed into the side of the tanks. A short line will come out

horizontally, with a 90 degree elbow at the end pointing, with an additional line going directly to the ground. Then a 90 degree elbow must be placed at ground level, where connections from the contractor can be made. The weight of the line WILL be placed on the line laying on the ground.

- Gas monitor devices will be placed on site near the tank entrances during frac/drill operations.
- ALL employees on site will NOT be allowed near the tanks, during any tank operations.
- Prior to the start of well work, current contracted employees and management will complete vapor awareness, confined space, and associated dangers prior to job start. Jay-Bee Oil & Gas, Inc. employees will also participate in this process.

#### **4.3. Vent Lines**

- Vent lines from tanks shall be joined and ultimate discharge shall be directed away from loading racks and fired vessels in accord to API RP 12-R1
- Discharge of oil or gas to atmosphere should be downwind, 100' from wellhead, open flame or other ignition source

#### **4.4. Gas Burning**

- Incinerator or flare not less than 100' from wellhead and test tanks
- Gas not to be burned within 100' from well or storage tank

#### **4.5. Engines (Vehicles, Generators, etc.)**

- Vehicles not involved in operations should be 100' from wellbore
- Spark arrestors or equivalent shall be provided on all internal combustion engines within 100' of wellbore

#### **4.6. General**

- No ignition sources are permitted in any area where smoking is not permitted
  - Smoking or open flame not permitted within 20 feet of compressed gas

The following pages list the names, addresses, and telephone numbers of all residents, businesses, churches, schools and emergency facilities within 1 mile radius that may be affected by different specific events during the drilling process:

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# APPENDIX

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**JAY BEE OIL & GAS – DIRECTIONS TO EACH RESIDENT IN THE  
SURROUNDING AREA**

<b>Well Name</b>	Happy 6U
<b>Well Location</b>	McElroy District, Tyler County
<b>Site Supervisor</b>	Roy Lemasters

<b>Name</b>	<b>Address &amp; Phone Number</b>	<b>Directions to Residence</b>
Douglas & Susan Thomas	HC 62 Box 117 Lima, WV 26377  304-386-4504	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 1.8 miles.
Ronald & Janet Thompson	1769 Walnut Fork Rd Lima, WV 26377  304-386-4976	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 1.7 miles.
George & Joann Woodburn (or tennant)	Woodburn Rd Alma WV 26320  Unknown	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Woodburn Run. Follow for 1.1 miles. House on right.
Barbara Meade/Church of Christ	HC 62 Box 129 Lima WV 26377  Unlisted	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 2.4 miles.
Helen Topolski	HC 62 Box 128 Lima WV 26377  304-386-4855	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 2.4 miles.
Eli Tippens	HC 62 Box 127 Jacksonburg WV 26337  Unlisted	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 1.7 miles.



**JAY BEE OIL & GAS – DIRECTIONS TO EACH RESIDENT IN THE SURROUNDING AREA**

<b>Well Name</b>	Happy 6U
<b>Well Location</b>	McElroy District, Tyler County
<b>Site Supervisor</b>	Roy Lemasters

<b>Name</b>	<b>Address &amp; Phone Number</b>	<b>Directions to Residence</b>
Delma Thompson	HC 62 Box 121 Lima, WV 26377  304-386-4215	From Middlebourne city center, head south down WV 18 for 6.7 miles. Turn left onto Indian Creek Rd, and follow east for 6 miles. Turn left onto Walnut Fork and follow north for 1.7 miles.

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## Doddridge County Emergency Contacts

Entity	Contact	24 Hour Contact	Secondary Contact	Personal Contact	Location	Email
DEP Inspector	Doug Newlon	304-932-8049	304-926-0440	304-932-8049	4060 Dutchman Rd. Macfarlan WV 26148	<a href="mailto:Douglas.C.Newlon@wv.gov">Douglas.C.Newlon@wv.gov</a>
Warning Point & 911 Center	Central Communications	304-659-3770	304-873-3253		4317 Lamberton Rd., Pennsboro WV	<a href="mailto:timgreenan@central911.com">timgreenan@central911.com</a>
Sheriff	Worthy C. Underwood Jr.	304-873-1944	304-873-2671 or 304-873-1000	304-873-1939	PO Box 219 West Union, WV	
LEPC	Roland Kniceley	304-844-7390	304-623-6260	304-782-2124	Rt.2 Box 1 Salem, WV	<a href="mailto:doddridgeoes@dishmail.net">doddridgeoes@dishmail.net</a>
DOH	Anthony Lopez	304-873-2771	304-842-1500	304-842-1622	I-79 & Meadowbrook Rd. Clarksburg, WV	
State Police	Detachment	304-873-2101				
Bancs Fire Department	Detachment	304-873-3772				
Greenwood Fire Department	Detachment	304-873-2440				
McClellan Fire Department	Detachment	304-782-2774				
Smithburg Fire Department	Detachment	304-873-1493				
West Union Fire Department	Detachment	304-873-1391				

## Tyler County Emergency Contacts

Entity	Contact	24 Hour Contact	Secondary Contact	Personal Contact	Location	Email
DEP Inspector	Joe Taylor	304-380-7469	304-926-0440	304-380-7469	497 Claylick Rd. Ripley, WV	<a href="mailto:Joseph.D.Taylor@wv.gov">Joseph.D.Taylor@wv.gov</a>
Warning Point & 911 Center	Dispatch Center	304-758-2911	304-758-4275	304-771-8678	121 Court St. Middlebourne, WV	<a href="mailto:sarge_202@hotmail.com">sarge_202@hotmail.com</a>
Sheriff	Bob Kendle	304-758-4229	304-758-4275	304-337-9036	PO Bx 7 Middlebourne, WV	<a href="mailto:sarge_202@hotmail.com">sarge_202@hotmail.com</a>
LEPC	Pat Walsh	304-652-6932	740-373-9036		3807 South State Rt.2 Friendly, WV	<a href="mailto:patrick.walsh@proviron.com">patrick.walsh@proviron.com</a>
DOH	Doug Hays	304-843-4057	304-843-4000		1 DOT Drive Moundsville, WV	
State Police	Detachment	304-455-0913			RR2 Box 505 New Martinsville, WV	
Alma Fire Department	Johnny Miller	304-758-4066			General Delivery, Alma, WV	
Middlebourne Fire Department	Bryan Taylor	304-758-4349			PO Box 67, Middlebourne, WV	
Shirley Fire Department	James Wade	304-758-2391			HC 74 Box 123A, Alma, WV	
Sistersville Fire Department	Steve Leasure	304-652-7131			121 Maple Lane, Sistersville, WV	

## Jay-Bee Emergency Contacts

Entity	Contact	24 Hour Contact	Secondary Contact	Personal Contact	Location	Email
Field Supervisor	Travis Yost	304-904-1035			Lost Creek, WV	<a href="mailto:tyost@jaybeeoil.com">tyost@jaybeeoil.com</a>
Office Manager	Shane Dowell	304-904-1700	304-615-1823		Belpre, OH	<a href="mailto:sdowell@jaybeeoil.com">sdowell@jaybeeoil.com</a>
Field Supervisor	Jim Layfield	304-904-2821	304-628-3678		Cairo, WV	<a href="mailto:jimlayfield@jaybeeoil.com">jimlayfield@jaybeeoil.com</a>
Frac Supervisor	Andrew Neill	740-885-9635	304-628-3111		Cairo, WV	<a href="mailto:aneill@jaybeeoil.com">aneill@jaybeeoil.com</a>
Toolpusher	Roy Lemasters	304-904-8625	740-373-8939		Marietta, OH	<a href="mailto:rlmasters@jaybeeoil.com">rlmasters@jaybeeoil.com</a>
Welltender Manager	Delmas Wilson	304-904-2822	304-477-3451		Burnt House, WV	<a href="mailto:dwilson@jaybeeoil.com">dwilson@jaybeeoil.com</a>
Vice President of Land	Brian Paugh	304-695-0045			Bridgeport, WV	<a href="mailto:bpaugh@jaybeeoil.com">bpaugh@jaybeeoil.com</a>
Land Manager	Natalie Haddix	304-904-7135			Bridgeport, WV	<a href="mailto:nhaddix@jaybeeoil.com">nhaddix@jaybeeoil.com</a>

## Contractor Emergency Contacts

Entity	Contact	24 Hour Contact	Secondary Contact	Personal Contact	Location	Email
Halliburton	William Reed	304-641-0404	304-269-8563	304-462-7975		<a href="mailto:william.reed2@halliburton.com">william.reed2@halliburton.com</a>
Weatherford	James Sherrell		304-203-7266	304-269-2009		<a href="mailto:james.sherrell@weatherford.com">james.sherrell@weatherford.com</a>
Javins	Brooks Javins		304-292-3234			<a href="mailto:brooksjavins@javinscorporation.com">brooksjavins@javinscorporation.com</a>
Nabors	Chuck Barnett	304-884-6684	304-377-3365			<a href="mailto:john.barnett@nabors.com">john.barnett@nabors.com</a>
EDI	Jeff Baker		740-525-7288			
Baker Hughes	Customer Service	713-439-8600				<a href="mailto:customerservice@newalta.com">customerservice@newalta.com</a>
Newalta	Wayne Clark	403-806-7110				
HWD	Dave Larson	405-420-8175				<a href="mailto:dave.larson@hwdrillers.com">dave.larson@hwdrillers.com</a>

## Hospital Contacts

Entity	Contact	24 Hour Contact	Secondary Contact	Personal Contact	Location	Email
United Hospital		304-624-2121			3 Hospital Plz, Clarksburg, WV 26301	
Camden Clark Mem. Hospital		304-424-2111			800 Garfield Ave Parkersburg, WV 26101	

## Bus Route

Entity	Contact	24 Hour Contact	Morning Run Hours	Afternoon Run Hours	Location	Email
Tyler County Bus Garage		304-758-2112	6am-8am	315pm-515pm	Middlebourne, WV	

**JAY BEE OIL & GAS – EMERGENCY CONTACT NUMBERS**

<b>Agency Type</b>	<b>Agency Name</b>	<b>Phone Number</b>
	<b>ALL EMERGENCIES</b>	<b>DIAL 911</b>
911 Dispatch Centers	Non Emergency Calls – Doddridge/Ritchie Counties	304-659-3770
	Non Emergency Calls – Tyler County	304-758-4275
Fire Departments Doddridge County	Bancs Fire Department	304-873-3772
	Greenwood Fire Department	304-873-2440
	McClellan Fire Department	304-782-2774
	Smithburg Fire Department	304-873-1493
	West Union Fire Department	304-873-1391
Fire Departments Ritchie County	Cairo Fire Department	304-628-3312
	Ellenboro Fire Department	304-869-3244
	Harrisville Fire Department	304-643-2330
	Pennsboro Fire Department	304-659-3969
	Smithfield Fire Department	304-477-3423
Fire Departments Tyler County	Alma Fire Department	304-758-4066
	Middlebourne Fire Department	304-758-4349
	Shirley Fire Department	304-758-2391
	Sistersville Fire Department	304-652-7131
Law Enforcement	WV State Police – Doddridge County Detachment	304-873-2101
	WV State Police – Ritchie County Detachment	304-643-2101

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	<b>WV State Police – Tyler County Detachment</b>	<b>304-455-0913</b>
	<b>Doddridge County Sheriff's Department</b>	<b>304-873-1000</b>
	<b>Ritchie County Sheriff's Department</b>	<b>304-643-2662</b>
	<b>Tyler County Sheriff's Department</b>	<b>304-758-4229</b>
<b>Industry Emergency Contacts</b>	<b>Boots &amp; Coats</b>	<b>1-800-256-9688</b>
	<b>CUDD Well Control</b>	<b>1-800-990-2833</b>
	<b>Wild Well Control</b>	<b>281-784-4700</b>
<b>Other Contacts</b>	<b>Allegheny Power – Electric</b>	<b>1-800-255-3443</b>
	<b>Miss Utility Underground Line Locator</b>	<b>1-800-245-4848</b>
	<b>State Emergency Spills</b>	<b>1-800-642-3074</b>
	<b>Poison Control Center</b>	<b>1-800-222-2222</b>
	<b>WV Office of Oil and Gas</b>	<b>304-926-0499</b>

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Well Control Accreditation Program

## Certificate of Completion

The individual below has successfully completed a course in well control instruction at an institution accredited by the International Association of Drilling Contractors.

**Roy Lemasters**  
Recipient Name

**3395**  
ID Number

**Drilling**  
Course Name

**Supervisor**  
Level

**18-Jul-15**  
Completion Date

**18-Jul-17**  
Expiration Date

**Surface**  
Stack Qualification

**Wild Well Control**  
Training Provider

**1.281.784.4700**  
Telephone Contact

**Clarksburg, WV USA**  
Course Location

**WC519**  
Program ID Number

**David Kennedy**  
Instructor Name

Certificate Number: **WSEC614303**

  
Authorized Signature (Corporate Official or Instructor)





Well Control Accreditation Program

# Certificate of Completion

The individual below has successfully completed a course in well control instruction at an institution accredited by the International Association of Drilling Contractors.

**Kevin Carpenter**  
Recipient Name

**3394**  
ID Number

**Drilling**  
Course Name

**Supervisor**  
Level

**18-Jul-15**  
Completion Date

**18-Jul-17**  
Expiration Date

**Surface**  
Stack Qualification

**Wild Well Control**  
Training Provider

**1.281.784.4700**  
Telephone Contact

**Clarksburg, WV USA**  
Course Location

**WC519**  
Program ID Number

**David Kennedy**  
Instructor Name

Certificate Number: **WSEC614302**

Authorized Signature (Corporate Official or Instructor)

WV Department of  
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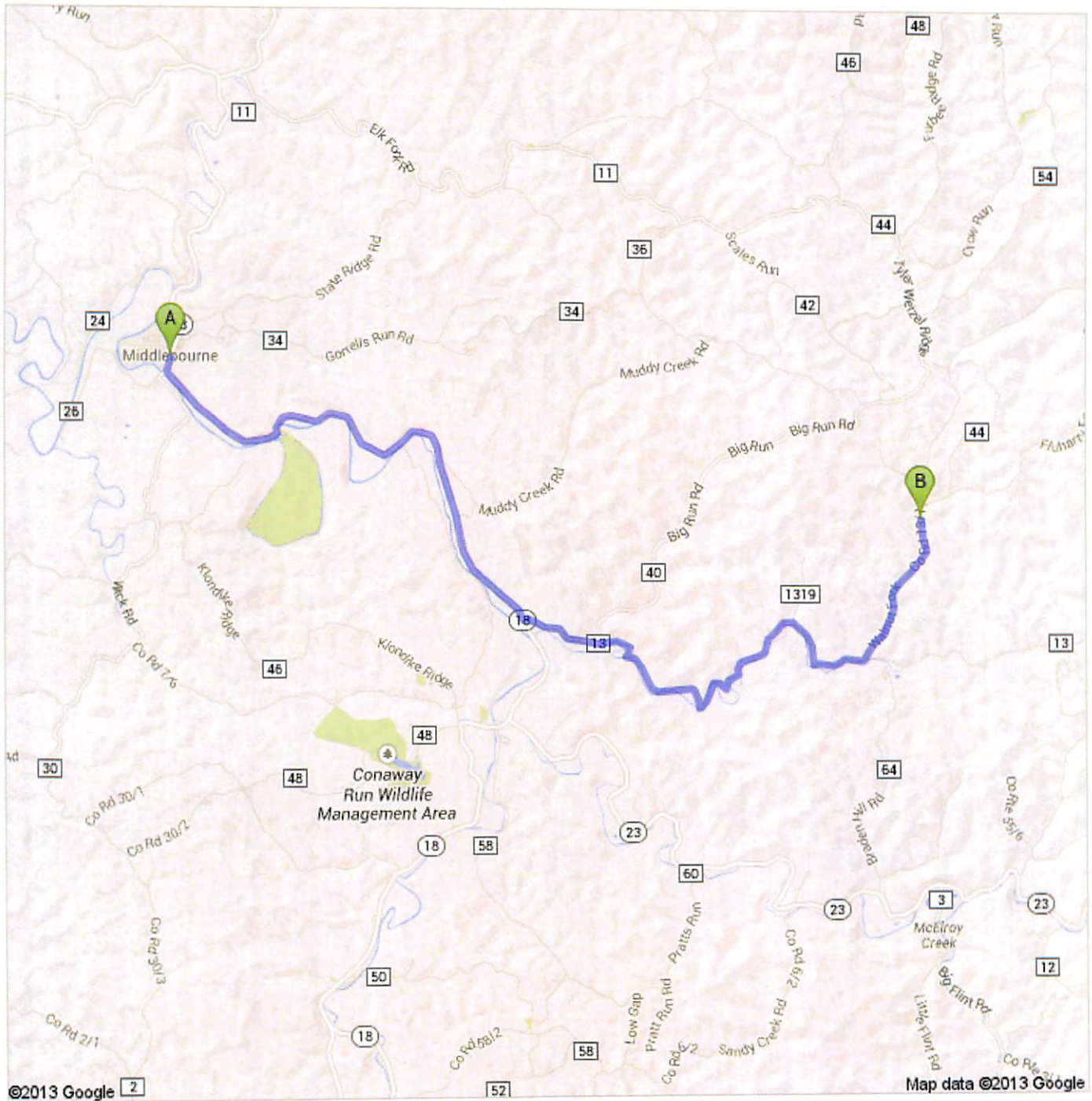
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Office of Oil and Gas





Directions to County Road 13/1, Alma, WV 26320  
14.7 mi – about 28 mins



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**A** Middlebourne, WV

- 18
 1. Head **southwest** on **WV-18 S/Main St** toward **Bridgeway Rd** go 6.8 mi  
 Continue to follow WV-18 S total 6.8 mi  
 About 9 mins
- ↶
 2. Turn left onto **Co Rd 1/3/Indian Creek Rd** go 3.4 mi  
 Continue to follow Indian Creek Rd total 10.1 mi  
 About 8 mins
- ↶
 3. Turn left onto **Co Rd 1/3/Indian Creek Rd** go 2.6 mi  
 Continue to follow Indian Creek Rd total 12.7 mi  
 About 6 mins
- ↷
 4. Slight left onto **Co Rd 13/1/Walnut Fork** go 1.9 mi  
 Destination will be on the right total 14.7 mi  
 About 5 mins

**B** County Road 13/1, Alma, WV 26320

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2013 Google

Directions weren't right? Please find your route on [maps.google.com](https://maps.google.com) and click "Report a problem" at the bottom left.

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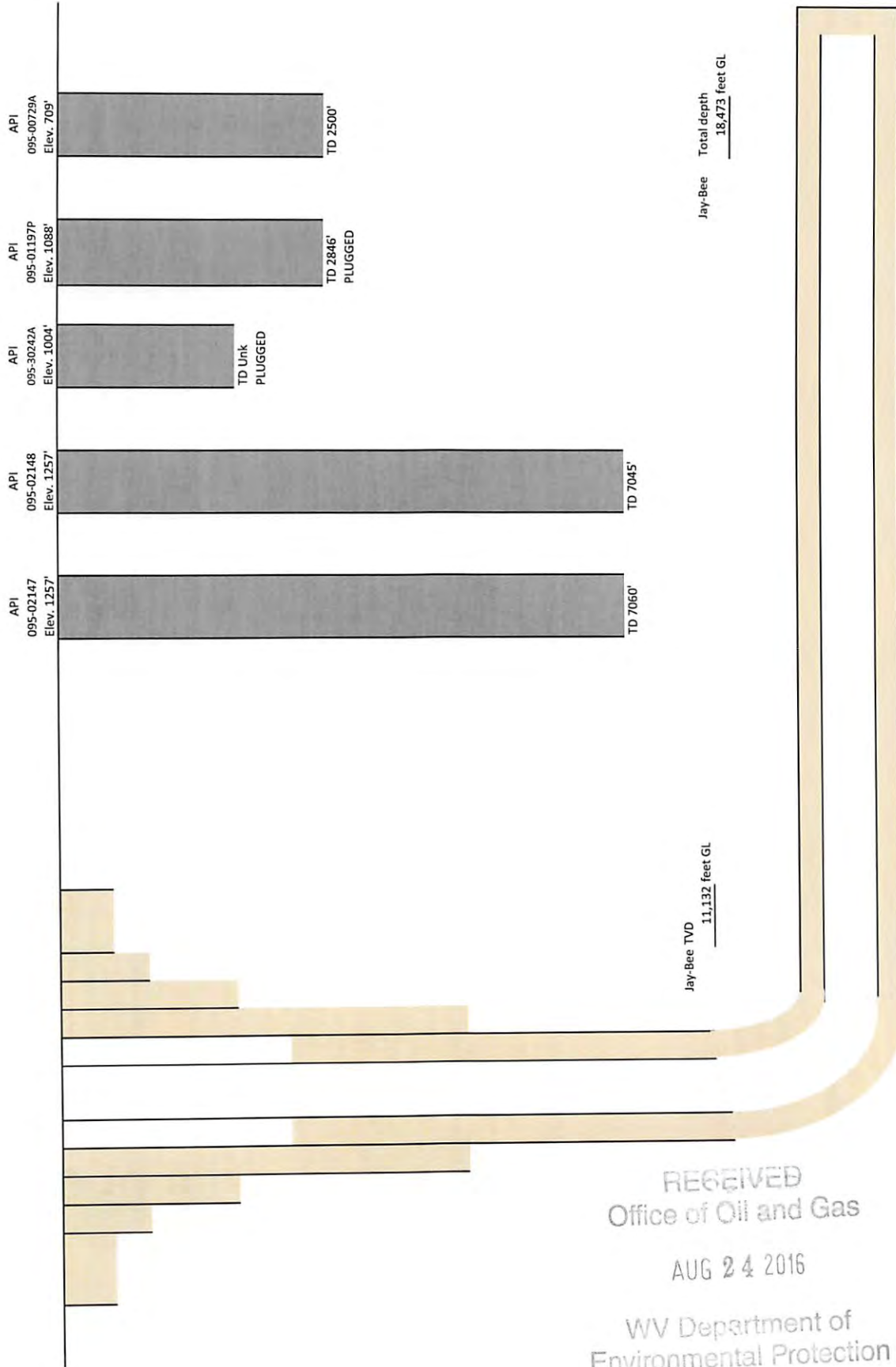
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11/18/2016



### Well-Site Safety Plan Anti-Collision Schematic

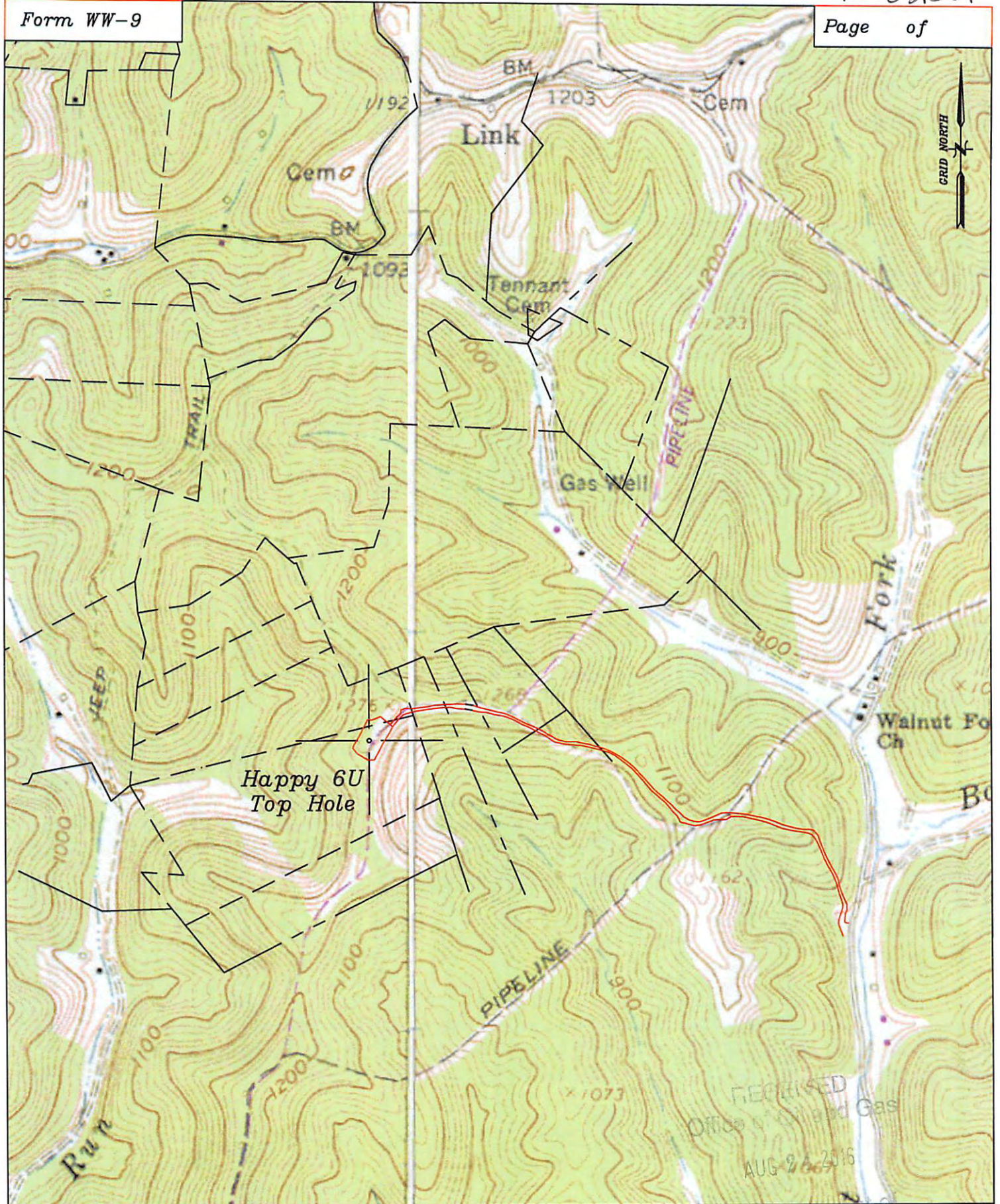
Jay-Bee Oil & Gas Inc.  
Well Name Happy 6U  
GL Elevation 1257



**HAPPY 6U WELL SITE SAFETY PLAN 1 MILE NOTIFICATION**

Name	Street Address	PHONE	TM/P
KENNETH JONES	HC 62 BOX 38, ALMA, WV 26320	304-386-5003	48-5-2-12
KENNETH JONES	HC 62 BOX 38, ALMA, WV 26320	304-386-5003	48-5-2-12
MYRTLE HANNEN	1483 TWP RD 376, TORONTO, OH 43964	740-337-4487	48-5-2-27
JAQUELINE PETTIT	153 Kittle Ln. Cameron WV 26033	N/A	48-5-2-31
RICKY & JANE EIDLE	5159 Big Run Rd Middlebourne WV 26149	304-386-4379	48-2-24-7
HENTZEL & MARY LOU LEMASTERS	296 N. ST ROUTE 2 LOT 1, NEW MARTINSVILLE, WV 26155	304-455-6477	48-5-3-1
JAMES & KARYN HANNUM	617 BUTLER ST, PITTSBURGH, PA 15223	N/A	48-5-3-2
JAY-BEE OIL & GAS, INC	3570 SHIELDS HILL RD, CAIRO, WV 26337	304-628-3111	48-5-7-1.1
TENNANT of EVERETT & DELORIS THOMAS	HC 62 BOX 127, LIMA, WV 26377	N/A	48-5-7-8.4
HELEN TOPOLSKI	78 Buckeye Rd. Jacksonburg WV 26377	304-386-4834	48-5-7-8.3
BARBARA MEADE	41 BUCKEYE RD, LIMA, WV 26377	304-771-1650	48-5-7-8.5
JUSTIN & AMY SAMS	2413 WALNUT FORK RD, JACKSONBURG, WV 26377	304-386-4447	48-5-7-8
WALNUT FORK CHURCH OF CHRIST	WALNUT FORK RD, LIMA, WV 26377	N/A	48-5-7-8.1
DELMA THOMPSON-Deceased	37 Bonelick Rd .Jacksonburg WV 26377	N/A	48-5-7-7
RONALD & FRED A THOMPSON	1920 Walnut Fork Rd ,Jacksonburg WV 26377	304-386-4976	48-5-7-28
DOUG & SUSAN THOMAS	1718 Walnut Fork Rd , Jacksonburg WV 26377	304-386-4504	48-5-7-29
RONALD & JANET THOMPSON	1769 WALNUT FORK RD, LIMA, WV 26377	304-386-4439	48-5-7-26
HELEN TITUS	1046 WOODBURN RUN RD, ALMA, WV 26320	304-758-4871	48-5-6-21

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Well: Happy 6U  
 Quad: Shirley 7 1/2'  
 District: McElroy  
 County: Tyler

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 Scale: 1"=1,000'

11/18/2016

95-02384

**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
T3040- T3041AA (L)	Wilma Fiber	JB Exploration I, LLC	12.5%	410-337
T3042A1 (K, J)	John Lambert Ice	JB Exploration I, LLC	12.5%	411-746
T3042A3 (I)	John Lambert Ice	JB Exploration I, LLC	12.5%	411-746
T3086, T-4 (H)	David Lee Haun Revocable Trust	JB Exploration I, LLC	12.5%	411-739
T3088 (F)	Richard D. and Barbara A. Thomaselli	JB Exploration I, LLC	12.5%	429-242
T3087B (E)	Vonna Maffei	Jay-Bee Production Company	12.5%	393-405
T3087A (D)	Vonna Maffei	Jay-Bee Production Company	12.5%	393-405
T3085,T6A (B)	Mary McCullough	JB Exploration I, LLC	12.5%	410-333

**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:

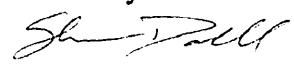
- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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NOV 04 2016

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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

95-02384

WW-6A1  
(5/13)

Operator's Well No. Happy 6U

**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
Affidavit	JB Exploration I, LLC	Jay-Bee Oil & Gas, Inc.		
Affidavit	Jay-Bee Production Company	Jay-Bee Oil & Gas, Inc.		

**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



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Page 1 of 2  
11/18/2016

References

Rebar Set  
Location  
Rebar Set

- O- Samson TM 6-19 42 Ac. **LS. T1-18**
- P- Eidle TM 7-17 23.73 Ac. **LS. T3039E**
- Q- T. Lemaster TM. 2-32 1 Ac.
- R- T. Lemaster TM. 3-1 40.84 Ac. **LS. T320**
- S- Dwight Lemasters, et al TM. 2-25 29 Ac. **LS. T3209**
- T- H. Lemasters TM. 23-15 13.13 Ac. **LS. FoutT38F**
- U- Reservation from tract B 1 Ac. **LS. T3085 T6A**
- V- Bryant TM 3-21 18.66 Ac.
- W- Thompson TM 7-2 17.5 Ac. **LS. T3040 & 3041AA**
- X- Bryant & Alpheus Tennent Hrs. TM 3-20 15 Ac. **LS. T3076A**
- Y- Alma Bees & Trees Farm TM 3-2 51.86 Ac.

- Z- Rush TM 2-13 8.88 Ac. **LS. T3089**
- AA- Rick Staley et al TM 23-16 13 Ac. **LS. FoutT38E**
- BB- Rick Staley et al TM 23-17 15.5 Ac. **LS. FoutT38D**
- CC- Rick Staley et al TM 23-18 13 Ac. **LS. FoutT38I**
- DD- L. Lemasters TM 23-19 14.75 Ac. **LS. T6805B**
- EE- Eidle TM 23-26 26.36 Ac.
- FF- Anderson TM 3-26 6.65 Ac.
- GG- Eidle TM 24-7 31.64 Ac.
- HH- Thompson TM 7-3 17.5 Ac. **LS. T3040 & 3041AA**
- II- Thompson TM 7-4 11.66 Ac. **LS. T3040 & 3041AA**
- JJ- Jay Bee Royalty TM 7-1 46.84 Ac.
- KK- Weimer TM 3-23 102 Ac.
- LL- Weimer TM 3-22 6.22 Ac.

- A- Parr TM 2-10 104.75 Ac. **LS. T3203**
- B- Ferrell & Doak TM 2/11 31 Ac. **LS. T3085 T6A**
- C- Rush TM 2-13.1 23.56 Ac. **LS. T3089**
- D- Kenneth Jones p/o TM 2-12 61 Ac. **LS. T3087A**
- E- Kenneth Jones p/o TM 2-12 31 Ac. **LS. T3087B**
- F- Richard Thomaselli TM 2-14 29 Ac. **LS. T3088**
- G- Big Run Properties, LLC. TM 2-31 11.5 Ac. **LS. T3209A**
- H- Dwight Lemasters, et al TM 2-26 87.06 Ac. **LS. T3086 T-4**
- I- McHenry TM 6-15 15.81 Ac. **LS. T3042A3**
- J- Bowser TM 6-16 15.82 Ac. **LS. T3042A1**
- K- Thompson TM 6-17 26.36 Ac. **LS. T3042A1**
- L- Bloom TM 6-18 59.76 Ac. **LS. T3042A1, T3040 & T3041A-A**
- M- Myrtle Hannen TM 2-27 98.86 Ac.
- N- Samson TM 6-20 85 Ac.

Surface Hole Location

Geo NAD 83- 39.469730 N, 80.750915 W  
 UTM NAD 83 (Meters)- 4368934.8 N, 521425.4 E  
 UTM NAD 83 (Feet)- 14333746.9 N, 1710709.9 E

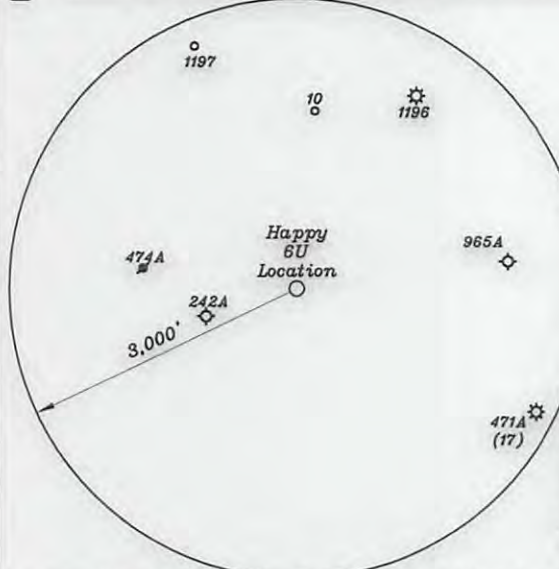
Landing Point

Geo NAD 83- 39.470370 N, 80.754386 W  
 UTM NAD 83 (Meters)- 4369004.9 N, 521126.6 E  
 UTM NAD 83 (Feet)- 14333976.9 N, 1709729.5 E

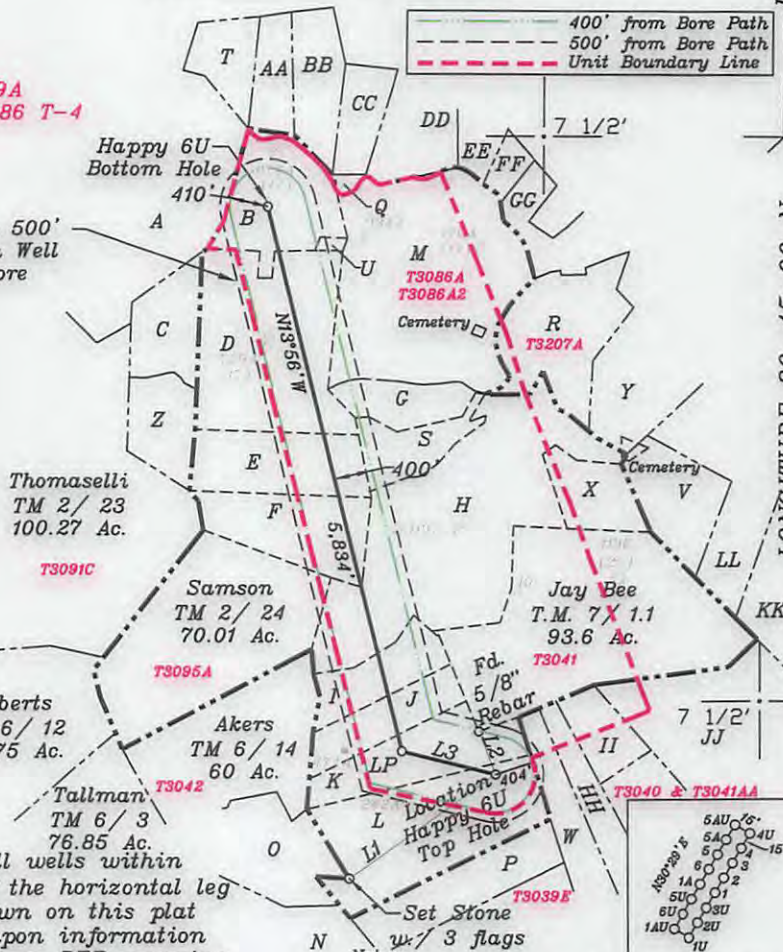
Bottom Hole Location

Geo NAD 83- 39.485861 N, 80.759643 W  
 UTM NAD 83 (Meters)- 4370722.9 N, 520669.8 E  
 UTM NAD 83 (Feet)- 14339613.5 N, 1708230.9 E

NORTH



Area 500' from Well Bore



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	N54°36'E	1870'
L2	S21°19'E	480'
L3	N75°50'W	1,007'

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

- Notes:
- 1) 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.
  - 2) Information concerning the location of the legs and bottom hole were furnished by Jay Bee Oil and Gas Inc.
  3. Well bore paths and Top Hole location are over 400' from all lease and unit boundary lines.
  4. No deep wells were found within 3,000' of the leg, TH or BH.

(+) 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 REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) David L Jackson  
 R.P.E. \_\_\_\_\_ P.S. 708



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

DATE October 4, 2016  
 OPERATOR'S WELL NO. Happy 6U  
 API WELL NO. \_\_\_\_\_  
 WELL TYPE: OIL X GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_\_\_ DEEP X SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1,257' WATER SHED Walnut Fork & Woodburn Run  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE Shirley 7 1/2'

SURFACE OWNER Arthur & Lois Bloom ACREAGE 59.76 ac.  
 OIL & GAS ROYALTY OWNER John Lambert Ice LEASE ACREAGE 461.56 ac.

11/18/2016

LEASE NO. & ACREAGE: "See ownership list above for lease numbers"

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 Utica ESTIMATED DEPTH TVD=11,132' - TMD=18,473'+

WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda  
 ADDRESS 1720 Rt, 22, East Union, NJ 07083 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337



**JAY-BEE OIL & GAS, INC.**

August 19, 2016

Permitting Office  
Office of Oil and Gas  
West Virginia Dept. of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

RE: Happy 6U Well

Permitting Office:

As you know we have applied for a well permit for the Happy 6U Well in Tyler County, West Virginia. This pad is located on what we call the T3040-T3041AA tract. County Route 40 runs north of this tract and our proposed well leg runs under this roadway.

You have requested that we review the courthouse records to determine if the Department of Highways has any right to the minerals underneath this section of roadway. Our outside counsel has reviewed documents in the Tyler County Courthouse and could find no agreement that conveys mineral interests to the Department of Highways. Therefore Jay-Bee believes it has obtained leases from all mineral interests holders necessary to proceed with drilling on this tract after the permit is issued.

If you would have any questions concerning this matter, please feel free to contact our office at the numbers listed below.

Sincerely,

Shane Dowell  
Office Manager

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Office of Oil and Gas

AUG 24 2016

3570 Shields Hill Rd, Cairo, WV 26337 • Phone 304-628-3111 • Fax 304-628-3119

WV Department of  
Environmental Protection

11/18/2016

95 0 2384

**AFFIDAVIT FILED PURSUANT TO**  
**W. Va. CODE §§ 22-6-8 & 22-6A-5(a)(5)**

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE, to-wit:

Randy Broda, President of Jay-Bee Oil & Gas, Inc. and Randy Broda, President of Jay-Bee Production Company, being duly sworn, state as follows:

1. I, Randy Broda, am the President of the applicant, Jay-Bee Oil & Gas, Inc. In my capacity as President, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of the applicant.

2. I, Randy Broda, am the President of Jay-Bee Production Company, which holds the rights to extract, produce or market the oil or gas. In my capacity as President, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of Jay-Bee Production Company.

3. We certify that we are authorized by the holders of the right to extract, produce or market the oil or gas, if not the applicant, to state that the applicant has the right to extract, produce or market the oil or gas pursuant to the leasing and other continuing contract information provided in the application(s) for well Happy 6U API No(s). pending, on Form WW-6A1.

4. We certify that we are authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, on all such oil or gas to be extracted, produced or marketed from the well.

5. We certify under the penalty of law that we have personally examined and are familiar with the information contained and referenced herein and that, based on our inquiries of those individuals immediately responsible for obtaining the information, we believe that the information is true, accurate and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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Office of Oil and Gas

AUG 24 2016



DEP

95-02384

Further, affiants sayeth naught.

*[Handwritten signature]*

Randy Broda, President of Jay-Bee Oil & Gas, Inc.

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 19<sup>th</sup> day of August, 2016 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: April 18, 2022



*[Handwritten signature]*  
NOTARY PUBLIC

*[Handwritten signature]*

Randy Broda, President of Jay-Bee Production Company

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 19<sup>th</sup> day of August, 2016 by Randy Broda, President of Jay-Bee Production Company, on behalf of the company.

My commission expires: April 18, 2022



*[Handwritten signature]*  
NOTARY PUBLIC

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Office of Oil and Gas

AUG 24 2016

**AFFIDAVIT FILED PURSUANT TO**  
**W. Va. CODE §§ 22-6-8 & 22-6A-5(a)(5)**

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE, to-wit:

Randy Broda, President of Jay-Bee Oil & Gas, Inc. and Randy Broda, Managing Member of JB Exploration I, LLC, being duly sworn, state as follows:

1. I, Randy Broda, am the President of the applicant, Jay-Bee Oil & Gas, Inc. In my capacity as President, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of the applicant.

2. I, Randy Broda, am the Managing Member of JB Exploration I, LLC, which holds the rights to extract, produce or market the oil or gas. In my capacity as Managing Member, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of JB Exploration I, LLC.

3. We certify that we are authorized by the holders of the right to extract, produce or market the oil or gas, if not the applicant, to state that the applicant has the right to extract, produce or market the oil or gas pursuant to the leasing and other continuing contract information provided in the application(s) for well Happy 6U API No(s). pending, on Form WW-6A1.

4. We certify that we are authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, on all such oil or gas to be extracted, produced or marketed from the well.

5. We certify under the penalty of law that we have personally examined and are familiar with the information contained and referenced herein and that, based on our inquiries of those individuals immediately responsible for obtaining the information, we believe that the information is true, accurate and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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Office of Oil and Gas

AUG 24 2016

DEP

Further, affiants sayeth naught.

*[Handwritten signature]*

Randy Broda, President of Jay-Bee Oil & Gas, Inc.

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 19<sup>th</sup> day of August, 2016 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: April 18, 2022.



*[Handwritten signature]*  
NOTARY PUBLIC

*[Handwritten signature]*

Randy Broda, Managing Member of JB Exploration I, LLC

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 19<sup>th</sup> day of August, 2016 by Randy Broda, Managing Member of JB Exploration I, LLC, on behalf of the company.

My commission expires: April 18, 2022.



*[Handwritten signature]*  
NOTARY PUBLIC

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Office of Oil and Gas  
AUG 24 2016

OFFICIAL SEAL  
Commissioner for West Virginia  
Shane M. Dowell  
Harpers, OH  
My Commission Expires  
April 18, 2023



OFFICIAL SEAL  
Commissioner for West Virginia  
Shane M. Dowell  
Harpers, OH  
My Commission Expires  
April 18, 2023



Revised 10/25/2016

HAPPY WELL SITE 1500' OPERATOR NOTIFICATION

Tract (reference)	Operator	Street Address	Phone	Well Name	API Number	Formation
T3203 (A)	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
FoutT38F (T)	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
FoutT38E (AA)	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
FoutT38D (BB)	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
FoutT38i (CC)	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
T6805B (DD)	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
T3089 ( C )	B&C Oil & Gas	RR1 Box 52, Salem, WV 26426	304-782-2707			Lessor/Mineral Owner Reference
	Chesapeake Appalachia, LLC	PO Box 6070, Charleston, WV 25362	304-353-5240			Lessor/Mineral Owner Reference
	Cunningham Energy, LLC	3230 Pennsylvania Ave., Charleston, WV 25302	304-344-9291			Lessor/Mineral Owner Reference
	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
T3042 (Akers)	Chesapeake Appalachia, LLC	PO Box 6070, Charleston, WV 25362	304-353-5240			Lessor/Mineral Owner Reference
	EQT Production Company	120 Professional Place, Bridgeport, WV 26330	304-848-0061			Lessor/Mineral Owner Reference
T3042A1, T3040 & T3041AA (L)	Jay-Bee Oil & Gas, Inc.	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	Happy 2	47-095-02147	Marcellus
T3042A1, T3040 & T3041AA (L)	Jay-Bee Oil & Gas, Inc.	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	Happy 6	47-095-02148	Marcellus
T3042A1, T3040 & T3041AA (L)	Jay-Bee Oil & Gas, Inc. (Leaseholder)	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	Unknown	47-095-30242A	Unknown (plugged)
T3042A3 (H)	Jay-Bee Oil & Gas, Inc. (Leaseholder)	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	1-1798	47-095-01197P	Gordon (plugged)
T3087A (D)	Jay-Bee Oil & Gas, Inc. (Leaseholder)	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	Wetzel 2	47-095-30729A	Gordon (plugged)
T3042A1 (J)	Jay-Bee Oil & Gas, Inc. (Leaseholder)	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	1	47-095-00474A	Price (plugged)
T3086A (M)	Jay-Bee Oil & Gas, Inc. (Leaseholder)	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	1	47-095-00934A	Unknown (plugged)
T3085 T6A (B)	Jay-Bee Oil & Gas, Inc. (Leaseholder)	3570 Shield Hill Rd., Cairo, WV 26337	304-628-3111	1	47-095-00877A	Big Injun (plugged)

C/S 02384

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE CERTIFICATION**

Date of Notice Certification: 08/19/2016

API No. 47- 095-02384  
Operator's Well No. Happy 6U  
Well Pad Name: Happy

**Notice has been given:**

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>521,425.4</u>
County:	<u>Tyler</u>		Northing:	<u>4,368,934.8</u>
District:	<u>McElroy</u>	Public Road Access:	<u>Walnut Fork Rd</u>	
Quadrangle:	<u>Shirley 7.5'</u>	Generally used farm name:	<u>Arthur &amp; Lois Bloom</u>	
Watershed:	<u>Walnut Fork Creek</u>			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
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**Required Attachments:**

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

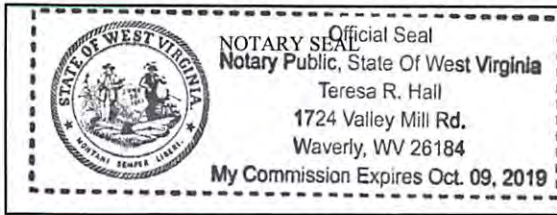
Office of Oil and Gas  
AUG 24 2016  
WV Department of  
Environmental Protection  
**11/18/2016**

95-02384

**Certification of Notice is hereby given:**

THEREFORE, I Shane Dowell, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator:	<u>Jay-Bee Oil &amp; Gas, Inc.</u>	Address:	<u>3570 Shields Hill Rd.</u>
By:	<u>Shane Dowell</u>		<u>Cairo, WV 26337</u>
Its:	<u>Office Manager</u>	Facsimile:	<u>304-628-3119</u>
Telephone:	<u>304-628-3111</u>	Email:	<u>sdowell@jaybeoil.com</u>



Subscribed and sworn before me this 23<sup>rd</sup> day of August 2016  
Teresa R. Hall Notary Public  
 My Commission Expires Oct 9<sup>th</sup> 2019

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

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 Office of Oil and Gas  
 Office of Oil and Gas  
 AUG 24 2016  
 AUG 24 2016  
 WV Department of  
 Environmental Protection  
 11/18/2016

Official Seal  
Notary Public, State of West Virginia  
Teresa R. Hall  
1754 Valley Mill Rd.  
Weverly, WV 26184  
My Commission Expires Oct. 08, 2019





STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.

Date of Notice: 8-19-2016 Date Permit Application Filed: 8-19-2016

Notice of:

- PERMIT FOR ANY WELL WORK       CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

Delivery method pursuant to West Virginia Code § 22-6A-10(b)

- PERSONAL SERVICE       REGISTERED MAIL       METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice    WSSP Notice    E&S Plan Notice    Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Clarence L. & Hazel Rayburn Bowser  
Address: 425 Susan Street  
New Martinsville, WV 26155

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
AUG 24 2016  
WV Department of  
Environmental Protection

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

**This Notice Shall Include:**

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

**Water Well Testing:**

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

**Water Testing Laboratories:**

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

**Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:**

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

**Written Comment:**

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

WV Department of  
Environmental Protection

**Time Limits and Methods for Filing Comments.**

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

**Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

**Permit Denial or Condition**

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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WV Department of  
Environmental Protection

11/18/2016

WW-6A  
(8-13)

API NO. 47-095-02384  
OPERATOR WELL NO. Happy 6U  
Well Pad Name: Happy

**Notice is hereby given by:**

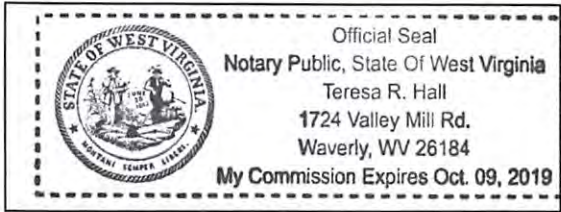
Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeoil.com



Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



Subscribed and sworn before me this 23<sup>rd</sup> day of Aug, 2016.  
Teresa R. Hall Notary Public  
My Commission Expires Oct 9<sup>th</sup> 2019

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Office of Oil and Gas  
AUG 24 2016  
WV Department of  
Environmental Protection

11/18/2016

My Commission Expires Oct. 08, 2019  
Waverly, WV 26184  
1734 Vandy Ln. Rd.  
Terra Nova, WV  
Notary Public, State of West Virginia  
Christina L. Neal



WW-6A  
(9-13)

API NO. 47- 095-02384  
OPERATOR WELL NO. Happy 6U  
Well Pad Name: Happy Pad

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 8-19-2016 **Date Permit Application Filed:** 8-19-2016

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

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Application Notice  WSSP Notice  E&S Plan Notice  Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Jay-Bee Royalty, LLC  
Address: 3570 Shield Hill Rd  
Cairo, WV 26337

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Jay-Bee Royalty, LLC  
Address: 3570 Shield Hill Rd  
Cairo, WV 26337

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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Please attach additional forms if necessary  
Office of Oil and Gas

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WV Department of  
Environmental Protection

11/18/2016

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
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Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

- COAL OWNER OR LESSEE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Edgar Ronald McHenry Trust  
Address: 467 Southam Circle  
Berea, Ohio 44017
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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WV Department of  
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Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Ricky & Jayne Eidle  
Address: 5159 Big Run Rd.  
Middlebourne, WV 26149

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary **AUG 24 2016**

WV Department of Environmental Protection

11/18/2016

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Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Dwight Lemasters et al  
Address: 8557 Fisher Rd.  
Diamond, Ohio 44412

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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Office of Oil and Gas  
AUG 24 2016  
WV Department of  
Environmental Protection

STATE OF WEST VIRGINIA  
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Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Pamela M. & Elisha Boland  
Address: 4880 Prices Creek Rd.  
Huntington, WV 25701

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

WV Department of  
Environmental Protection

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Application Notice  WSSP Notice  E&S Plan Notice  Well Plat Notice is hereby provided to:

- SURFACE OWNER(s)  
Name: Arthur T & Lois Bloom  
Address: 935 Genteel Ridge  
Wellsburg, WV 26070  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- SURFACE OWNER(s) (Impoundments or Pits)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

- COAL OWNER OR LESSEE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_
- SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Arthur T & Lois J. Bloom  
Address: 935 Genteel Ridge  
Wellsburg, WV 26070
- OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
AUG 24 2016  
WV Department of  
Environmental Protection

11/18/2016

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 8-19-2016 **Date Permit Application Filed:** 8-19-2016

**Notice of:**

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice  WSSP Notice  E&S Plan Notice  Well Plat Notice is hereby provided to:

SURFACE OWNER(s)  
Name: Ronald & Janet Thompson  
Address: 1769 Walnut Fork Rd.  
Lima, WV 26337

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Ronald & Janet Thompson  
Address: 1769 Walnut Fork Rd.  
Lima, WV 26337

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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Office of Oil and Gas  
Aug 24 2016  
WV Department of Environmental Protection

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 8-19-2016 **Date Permit Application Filed:** 8-19-2016

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

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- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice  WSSP Notice  E&S Plan Notice  Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Gilbert & Doris Hufford  
Address: 967 Fletcher Pike  
South Charleston, Ohio 45368

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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Office of Oil and Gas  
APR 24 2016  
WV Department of  
Environmental Protection

WW-70  
Rev. 7/01

**Affidavit of Personal Service**

State Of West Virginia

County Of Ritchie

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)\_\_\_/ WW-3(A)\_\_\_/ WW-4(A)\_\_\_/ WW-5(A)\_\_\_/ WW-6(A) X WSSP x
- (2) Application on Form WW-2(B)\_\_\_/ WW-3(B)\_\_\_/ WW-4(B)\_\_\_/ WW-5(B)\_\_\_/ WW-6(B) X E&S x
- (3) Plat showing the well location on Form WW-6, and x WW-6A5 x MSDS x
- (4) Construction and Reclamation Plan on Form WW-9
- (5) WW6A3 WMPX WW6RW/AW

--all with respect to operator's Well No. Happy 6U located in McElroy District, Tyler County, West Virginia, upon the person or organization named--

Jay-Bee Royalty, LLC

--by delivering the same in Ritchie County, State of West Virginia on the 19 day of August, 2016 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him\_\_\_/ her\_\_\_/ or, because he\_\_\_/ she\_\_\_/ refused to take it when offered it, by leaving it in his\_\_\_/ her\_\_\_/ presence.

Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee X / officer\_\_\_/ director\_\_\_/ attorney in fact\_\_\_/ named Theresa Ritter.

[Signature]  
(Signature of person executing service)

Taken, subscribed and sworn before me this 19<sup>th</sup> day of August 2016.  
My commission expires \_\_\_\_\_

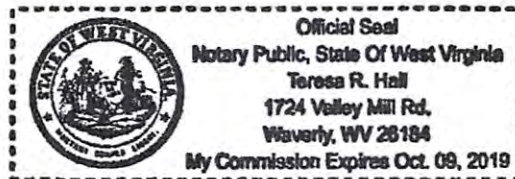
[Signature]  
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

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Office of Oil and Gas

AUG 25 2016

WV Department of  
Environmental Protection



# WV-6th Receipts

## Happy Topo Water Well Reference

District	Map	Parcel	First	Surname	Address	City	State	Zip
1	2	26	Dwight	Lemasters et. al.	8557 Fisher Rd.	Diamond	OH	44412
2	6	15	Edgar Ronald	McHenry Trust	467 Southam Circle	Berea	OH	44017
3	6	16	Clarence L. & Hazel	Rayburn Bowser	425 Susan St.	New Martinsville	WV	26155
4	7	17; 17	Ricky & Jayne	Eidle	5159 Big Run Rd	Middlebourne	WV	26149
5	6	18	Arthur T. & Lois J.	Bloom	935 Genteel Ridge	Wellsburg	WV	26070
6	7	1	Pamela Marie & Elisha	Boland	4880 Prices Creek Rd.	Huntington	WV	25701
7	7	1.1	Jay-Bee Royalty		3570 Shields Hill Rd	Cairo	WV	26337
8	6;7	6,18; 2, 3, 4, 5, 6, 23	Ronald E. & Janet	Thompson	1769 Walnut Fork Rd	Lima	WV	26337
11	7	19	Gilbert & Doris	Hufford	967 Fletcher Pike	South Charleston	OH	45368

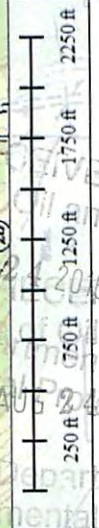
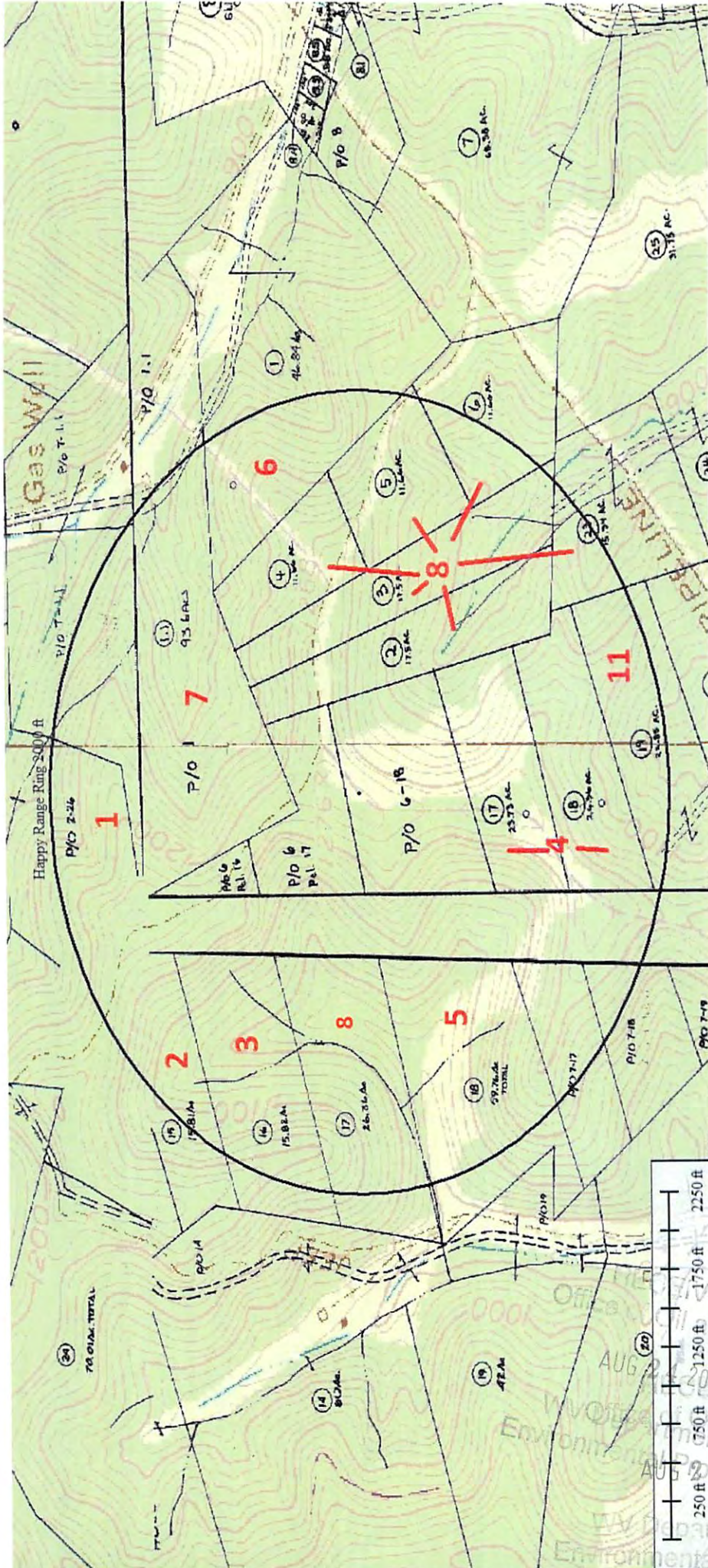


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95-02384



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 AUG 24 2016  
 Office of Oil and Gas  
 Department of Environmental Protection

11/18/2016

95-02384

WW-2B1

Well No. Happy 6U

West Virginia Department of Environmental Protection  
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

<u>          </u>	Contractor Name	<u>Reliance Laboratories</u>
<u>  x  </u>	Well operator's private laboratory	
	Well Operator	<u>Jay-Bee Oil &amp; Gas, INC</u>
	Address	<u>3570 Shields Hill Rd / 1720 Route 22 East</u>
		<u>Cairo, WV 26337 / Union, NJ 07083</u>
	Telephone	<u>304-628-3111</u>

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

11/18/2016

95-02384

WW-6A3  
(1/12)

Operator Well No. Happy 6U

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE     
  REGISTERED MAIL     
  METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: Craig Bessinger  
 Address: 29C Ferguson Rd.  
Elkins WV 26241  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Craig Bessinger  
 Address: 290 Ferguson Rd.  
Elkins WV 26241

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4368944.47 E 521436.15</u>
County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc  
 Telephone: 304-628-3111  
 Email: sdowell@jaybeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337

Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

RECEIVED  
 Office of Oil and Gas  
 November 18, 2014  
 Department of  
 Environmental Protection

**11/18/2016**

95-02384

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: Arthur Thomas Bloom  
Address: 193 Genteel Rd.  
Wellsburg, WV 26070

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Arthur Thomas Bloom  
Address: 193 Genteel Rd.  
Wellsburg, WV 26070

\*please attach additional forms if necessary

**Notice is hereby given:**

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County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc  
Telephone: 304-628-3111  
Email: sdowell@jaybeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

RECEIVED  
Office of Oil and Gas  
November 18, 2014  
WV Department of  
Environmental Protection  
11/18/2016

95 02384

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Clarence L. Bowser o/o Hazel Rayburn  
Address: 425 Susan St.  
New Martinsville, WV

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4368944.47 E 521436.15</u>
County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

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Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

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The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

RECEIVED  
Office of Oil and Gas  
November 18, 2016  
WV Department of  
Environmental Protection  
11/18/2016

95 02384

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE     
 REGISTERED MAIL     
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Ricky & Jayne Eidle  
Address: RR 1 Box 293  
Middlebourne, WV 26149

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia  
County: Tyler  
District: McElroy  
Quadrangle: Shirley 7.5'

Approx. Latitude & Longitude: N 4368944.47 E 521436.15  
Public Road Access: Walnut Fork Rd  
Watershed: Walnut Fork  
Generally used farm name: \_\_\_\_\_

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc  
Telephone: 304-628-3111  
Email: sdowell@jaybeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

95 02384

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE     
 REGISTERED MAIL     
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SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Sylvester Tennant Heirs c/o Myrtle E. Hannen Martin  
Address: 1483 Township Road 376  
Toronto, OH 43964

\*please attach additional forms if necessary

**Notice is hereby given:**

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District: McElroy  
Quadrangle: Shirley 7.5'

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Watershed: Walnut Fork  
Generally used farm name: \_\_\_\_\_

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Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

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95-02384

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

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- PERSONAL SERVICE     
 REGISTERED MAIL     
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Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Flora Fiber  
Address: 1105 Park Avenue  
New Martinsville, WV 26155

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>N 4368944.47 E 521436.15</u>
County:	<u>Tyler</u>	Public Road Access:	<u>Walnut Fork Rd</u>
District:	<u>McElroy</u>	Watershed:	<u>Walnut Fork</u>
Quadrangle:	<u>Shirley 7.5'</u>	Generally used farm name:	_____

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Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

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Office of Oil and Gas  
WV Department of  
Environmental Protection

11/18/2016



**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF ENTRY FOR PLAT SURVEY**

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 REGISTERED MAIL     
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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: George L Doll  
Address: 210 Pike Avenue  
Pennsboro, WV 26415

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

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County: Tyler  
District: McElroy  
Quadrangle: Shirley 7.5'

Approx. Latitude & Longitude: N 4368944.47 E 521436.15  
Public Road Access: Walnut Fork Rd  
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Generally used farm name: \_\_\_\_\_

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Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

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RECEIVED  
Office of Oil and Gas  
WV Department of Environmental Protection

11/18/2016

95-02384

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
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\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Robert D. Goff  
Address: 2399 SE Boulevard Apt. B  
Salem, OH 44460

\*please attach additional forms if necessary

**Notice is hereby given:**

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County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5</u>	Generally used farm name: _____

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**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc

Telephone: 304-628-3111

Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337

Facsimile: 304-628-3118

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SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Jeanetta Doll  
Address: HC 74 Box 69A  
Alma, WV 26320

\*please attach additional forms if necessary

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Office of Oil and Gas  
NOV 24 2014  
WV Department of  
Environmental Protection

11/18/2016

95-02384

WW-6A3  
(1/12)

Operator Well No. Happy 6U

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF ENTRY FOR PLAT SURVEY**

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SURFACE OWNER(s)

Name: \_\_\_\_\_  
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Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: W.S. Lemasters Estate c/o Lauretta A. Sine  
Address: 56W Thistle Dr.  
New Martinsville, WV 26155

\*please attach additional forms if necessary

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RECEIVED  
Office of Oil and Gas  
November 18, 2016  
WV Department of

11/18/2016

95-02384

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DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Sylvester Tennant Heirs c/o Myrtle E. Hannen Martin  
Address: 1483 Township Road 376  
Toronto, OH 43964

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4368944.47 E 521436.15</u>
County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: <u>Jay-Bee Oil &amp; Gas, Inc</u>	Address: <u>3570 Shields Hill Rd, Cairo, WV 26337</u>
Telephone: <u>304-628-3111</u>	Facsimile: <u>304-628-3119</u>
Email: <u>sdowell@jaybeoil.com</u>	

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

RECEIVED  
Office of Oil and Gas  
11/18/2016  
WV Department of  
Environmental Protection

**11/18/2016**

95-02384

WW-6A3  
(1/12)

Operator Well No. Happy 6U

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE     
 REGISTERED MAIL     
 METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Robert Smith  
Address: PO Box 77 ✓  
Normantown, WV 25267

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: West Virginia  
County: Tyler  
District: McElroy  
Quadrangle: Shirley 7.5'

Approx. Latitude & Longitude: N 4368944.47 E 521436.15  
Public Road Access: Walnut Fork Rd  
Watershed: Walnut Fork  
Generally used farm name: \_\_\_\_\_

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Well Operator: Jay-Bee Oil & Gas, Inc  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
Facsimile: 304-628-3119

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RECEIVED  
Office of Oil and Gas  
11/18/2016  
Environmental Protection

11/18/2016

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE     
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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: James Tennant Sr.  
Address: PO Box 153  
Shirley, WV 26434

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4368944.47 E 521436.15</u>
County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

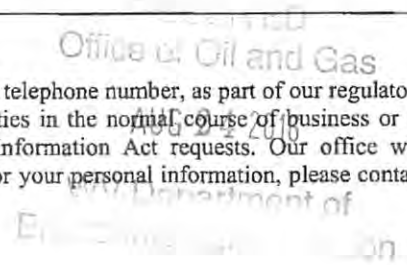
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Telephone: <u>304-628-3111</u>	Facsimile: <u>304-628-3119</u>
Email: <u>sdowell@jaybeoil.com</u>	

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**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Naomi J. Underwood  
Address: PO Box 142  
Middlebourne, WV 26149

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4368944.47 E 521438.15</u>
County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

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**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc  
Telephone: 304-628-3111  
Email: sdowell@jaybeoil.com

Address: 3570 Shields Hill Rd, Calro, WV 26337  
Facsimile: 304-628-3119

RECEIVED  
Office of Oil and Gas

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AUG 24 2016



**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

MINERAL OWNER(s)

Name: L.C. Yoho and Thelma Yoho  
Address: 206 Underwood Street  
Middlebourne, WV 26149

\*please attach additional forms if necessary

**Notice is hereby given:**

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State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4388944.47 E 521436.15</u>
County: <u>Tyler</u>	Public Road Access: <u>Walnut Fork Rd</u>
District: <u>McElroy</u>	Watershed: <u>Walnut Fork</u>
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

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Office of Oil and Gas

**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc

Telephone: 304-628-3111

Email: sdowell@jaybeecol.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337

Facsimile: 304-628-3119

AUG 24 2016

WV Department of  
Environmental Protection

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95-02384

WW-6A3  
(1/12)

Operator Well No. Happy 6U

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 11-12-2014      **Date of Planned Entry:** 11-19-2014

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE
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**Notice is hereby provided to:**

SURFACE OWNER(s)

Name: Ronald & Janet Thompson  
 Address: HC62 Box 118  
Lima, WV 26377  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

MINERAL OWNER(s)

Name: Ronald & Janet Thompson  
 Address: HC62 Box 118  
Lima, WV 26377

\*please attach additional forms if necessary

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**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc  
 Telephone: 304-828-3111  
 Email: sdowell@jaybeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
 Facsimile: 304-828-3119

RECEIVED  
Office of Oil and Gas  
AUG 21 2014  
Environmental Protection

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11/18/2016

Affidavit of Personal Service

State Of West Virginia

County Of Tyler

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)\_\_\_/ WW-3(A)\_\_\_/ WW-4(A)\_\_\_/ WW-5(A)\_\_\_/ WW-6(A)\_\_\_ WSSP\_\_\_
- (2) Application on Form WW-2(B)\_\_\_/ WW-3(B)\_\_\_/ WW-4(B)\_\_\_/ WW-5(B)\_\_\_/ WW-6(B)\_\_\_ E&S\_\_\_
- (3) Plat showing the well location on Form WW-6, and\_\_\_ WW-6A5\_\_\_ MSDS\_\_\_
- (4) Construction and Reclamation Plan on Form WW-9  
Plat Notice X

--all with respect to operator's Well No. Happy 1,1A,3,4,5,5A,5U,6U located in McElroy District, Tyler County, West Virginia, upon the person or organization named--

Ronald Thompson

--by delivering the same in Tyler County, State of West Virginia on the 12 day of November, 2014 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him X / her \_\_\_ / or, because he \_\_\_ / she \_\_\_ / refused to take it when offered it, by leaving it in his \_\_\_ / her \_\_\_ / presence.

Handing it to a member of his or her family above the age of 16 years named \_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to \_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named \_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee \_\_\_ / officer \_\_\_ / director \_\_\_ / attorney in fact \_\_\_ / named \_\_\_

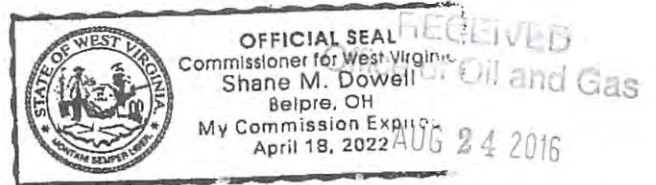
Travis Yost

(Signature of person executing service)

Taken, subscribed and sworn before me this 12 day of November 2014.  
My commission expires April 18, 2022

Shane M. Dowell  
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



WV Department of Environmental Protection

95-02384

WW-6A3  
(1/12)

Operator Well No. Happy 6U

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry  
**Date of Notice:** 11-13-2014      **Date of Planned Entry:** 11-20-2014

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**Notice is hereby provided to:**

SURFACE OWNER(s)  
 Name: Jay-Bee Royalty  
 Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

COAL OWNER OR LESSEE  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

MINERAL OWNER(s)  
 Name: Jay-Bee Royalty  
 Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
 \*please attach additional forms if necessary

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Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: _____

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**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc  
 Telephone: 304-628-3111  
 Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd, Cairo, WV 26337  
 Facsimile: 304-628-3119

RECEIVED  
Office of Oil and Gas  
AUG 24 2016

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

11/18/2016

WW-70  
Rev. 7/01

**Affidavit of Personal Service**

State Of West Virginia

County Of Ritchie

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)\_\_\_/ WW-3(A)\_\_\_/ WW-4(A)\_\_\_/ WW-5(A)\_\_\_/ WW-6(A)\_\_\_ WSSP\_\_\_
- (2) Application on Form WW-2(B)\_\_\_/ WW-3(B)\_\_\_/ WW-4(B)\_\_\_/ WW-5(B)\_\_\_/ WW-6(B)\_\_\_ E&S\_\_\_
- (3) Plat showing the well location on Form WW-6, and  WW6A3  WW-6A5\_\_\_ MSDS\_\_\_
- (4) Construction and Reclamation Plan on Form WW-9
- (5) WW6A1\_\_\_ WMP\_\_\_ WW6RW/AW\_\_\_

--all with respect to operator's Well No. Happy 6U located in McElroy District, Tyler County, West Virginia, upon the person or organization named--

Jay-Bee Royalty

--by delivering the same in Ritchie County, State of West Virginia on the 10 day of August, 2016 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him\_\_\_/ her\_\_\_/ or, because he\_\_\_/ she\_\_\_/ refused to take it when offered it, by leaving it in his\_\_\_/ her\_\_\_/ presence.

Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee  / officer\_\_\_/ director\_\_\_/ attorney in fact\_\_\_/ named Theresa Ritter

Theresa R. Hall  
(Signature of person executing service)

Taken, subscribed and sworn before me this 10<sup>th</sup> day of August 2016.  
My commission expires April 18, 2022

[Signature]  
Notary Public



RECEIVED  
Office of Oil and Gas

AUG 24 2016

WV Department of  
Environmental Protection

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF PLANNED OPERATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 08/19/2016      **Date Permit Application Filed:** 08/19/2016

**Delivery method pursuant to West Virginia Code § 22-6A-16(c)**

CERTIFIED MAIL       HAND  
RETURN RECEIPT REQUESTED      DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

Name: Ronald & Janet Thompson  
Address: 1769 Walnut Fork Rd  
Lima WV 26337

Name: Arthur & Lois Bloom  
Address: 935 Genteel Ridge  
Wellsburg WV 26070

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>521,425.4</u>
County:	<u>Tyler</u>		Northing:	<u>4,368,934.8</u>
District:	<u>McElroy</u>	Public Road Access:	<u>Walnut Fork Rd</u>	
Quadrangle:	<u>Shirley 7.5'</u>	Generally used farm name:	<u>Arthur &amp; Lois Bloom</u>	
Watershed:	<u>Walnut Fork Creek</u>			

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

AUG 24 2016  
WV Department of  
Environmental Protection

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF PLANNED OPERATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 08/19/2016      **Date Permit Application Filed:** 08/19/2016

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RETURN RECEIPT REQUESTED                                      DELIVERY

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**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

Name: Jay-Bee Royalty LLC  
Address: 3570 Shields Hill Rd  
Cairo, WV 26337

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83    Easting:	<u>521,425.4</u>
County:	<u>Tyler</u>	Northing:	<u>4,368,934.8</u>
District:	<u>McElroy</u>	Public Road Access:	<u>Walnut Fork Rd</u>
Quadrangle:	<u>Shirley 7.5'</u>	Generally used farm name:	<u>Arthur &amp; Lois Bloom</u>
Watershed:	<u>Walnut Fork Creek</u>		

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Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

  
RECEIVED  
Office of Oil and Gas  
AUG 24 2016  
WV Department of Environmental Protection

WW-70  
Rev. 7/01

**Affidavit of Personal Service**

State Of West Virginia

County Of Ritchie

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)\_\_\_/ WW-3(A)\_\_\_/ WW-4(A)\_\_\_/ WW-5(A)\_\_\_/ WW-6(A) X WSSP x
- (2) Application on Form WW-2(B)\_\_\_/ WW-3(B)\_\_\_/ WW-4(B)\_\_\_/ WW-5(B)\_\_\_/ WW-6(B) X E&S x
- (3) Plat showing the well location on Form WW-6, and x WW-6A5 x MSDS x
- (4) Construction and Reclamation Plan on Form WW-9
- (5) WW6A3 WMP X WW6RW/AW

--all with respect to operator's Well No. Happy 6U located in McElroy District, Tyler County, West Virginia, upon the person or organization named--

Jay-Bee Royalty, LLC

--by delivering the same in Ritchie County, State of West Virginia on the 19 day of August, 2016 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him\_\_\_/ her\_\_\_/ or, because he\_\_\_/ she\_\_\_/ refused to take it when offered it, by leaving it in his\_\_\_/ her\_\_\_/ presence.

Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee X / officer\_\_\_/ director\_\_\_/ attorney in fact\_\_\_/ named Theresa Ritter.

[Signature]  
(Signature of person executing service)

Taken, subscribed and sworn before me this 19<sup>th</sup> day of August 2016.  
My commission expires \_\_\_\_\_

Teresa R. Hall  
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)

RECEIVED  
Office of Oil and Gas  
AUG 25 2016



WV Department of  
Environmental Protection



95-02384



WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

**Division of Highways**

1900 Kanawha Boulevard East • Building Five • Room 110  
Charleston, West Virginia 25305-0430 • (304) 558-3505

Earl Ray Tomblin  
Governor

Paul A. Mattox, Jr., P. E.  
Secretary of Transportation/  
Commissioner of Highways

August 17, 2016

James A. Martin, Chief  
Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Subject: DOH Permit for the Happy Pad, Tyler County  
Happy 6U well site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2014-0112 issued to Jay-Bee Oil & Gas, Inc. for access to the State Road for a well site located off of Tyler County Route 13/1 SLS.

The operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

A handwritten signature in blue ink that reads "Gary K. Clayton".

Gary K. Clayton, P.E.  
Regional Maintenance Engineer  
Central Office O&G Coordinator

Cc: Shane Dowell  
Jay-Bee Oil & Gas, Inc.  
CH, OM, D-6  
File



**JAY-BEE OIL & GAS, INC.**

Office of Water and Waste Management  
West Virginia Dept. of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

RE: Frac Additives

Permitting Office:

As requested on the Water Management Plan, the CAS numbers are referenced for all submitted plans, as well as on OOG permits on WW6B, page 1, and listed below:

- Water (7732-18-5)
- Sand (14808-60-7)
- Friction Reducer (64742-47-8)
- Scale Inhibitor (107-21-1 & 10043-52-4)
- Bacteria Prevention (111-30-8, 7173-51-5, 68424-85-1, & 64-17-5)
- 15% Vol Acid (7647-01-0).

If you would have any questions concerning this matter, please feel free to contact our office at the numbers listed below.

Sincerely,

Shane Dowell  
Office Manager

RECEIVED  
Office of Oil and Gas

AUG 24 2016

3570 Shields Hill Rd, Cairo, WV 26337 • Phone 304-628-3111 • Fax 304-628-3119

WV Department of  
Environmental Protection



# HAPPY PAD MODIFICATION

McELROY DISTRICT, TYLER COUNTY, WV

Prepared for JAY BEE OIL & GAS

Date: September 21, 2016

**APPROVED**  
**WVDEP OOG**  
Modification  
11/14/2016

Sheet	Description
1	Cover
2	Notes & Details
3	Details
4	Details
5	Proposed Road Plan & Profile
6	Proposed Road Plan & Profile
7	Proposed Road Cross Sections
8	Proposed Road Cross Sections
9	Proposed Road Cross Sections
10	Existing Road Plan & Profile
11	Existing Road Plan & Profile
12	Existing Road Plan & Profile
13	Pad Plan & Profile
14	Restoration Plan



Edgar Ronald McKinney  
Front  
D.B. 308/471  
T.M. 6/15  
15.81 Ac.

Clarence L. Boucher  
W.R. 30/364  
T.M. 6/16  
15.82 Ac.

Ronald E. & Janet A. Thompson  
D.B. 416/283  
T.M. 6/17  
26.36 Ac.

Arthur Thomas & Gale Jean Stone  
D.B. 342/676  
T.M. 6/18  
59.76 Ac.

Ricky L. Fudge  
D.B. 322/713  
T.M. 7/17  
23.73 Ac.

Ricky L. Fudge  
D.B. 322/713  
T.M. 7/18  
26.36 Ac.

Jaybee Royalty, LLC  
D.B. 487/370  
T.M. 7/1  
46.64 Ac.

Ronald E. & Janet Thompson  
D.B. 271/727  
T.M. 7/1  
11.66 Ac.

Ronald E. & Janet Thompson  
D.B. 271/727  
T.M. 7/2  
11.66 Ac.

Ronald E. & Janet Thompson  
D.B. 271/322  
T.M. 7/2  
17.3 Ac.

Ronald E. & Janet Thompson  
D.B. 271/637  
T.M. 7/3  
17.3 Ac.

Jaybee Royalty, LLC  
D.B. 487/370  
T.M. 7/1  
46.64 Ac.

Curtis A. Davis  
D.B. 337/143  
T.M. 7/19  
22.86 Ac.

Jaybee Royalty, LLC  
D.B. 487/370  
T.M. 7/1  
46.64 Ac.

Ronald E. & Janet Thompson  
D.B. 400/552  
T.M. 7/6  
11.66 Ac.

Ronald E. & Janet Thompson  
D.B. 400/552  
T.M. 7/6  
11.66 Ac.

Ronald E. & Janet B. Thompson  
D.B. 400/552  
T.M. 7/25  
11.76 Ac.

Bertha Ann Maults  
D.B. 97/140  
T.M. 7/8  
61.1 Ac.

Douglas A. & Susan W. Thomas  
D.B. 255/443  
T.M. 7/9  
40 Ac.

Ronald E. & Janet B. Thompson  
D.B. 400/552  
T.M. 7/27  
16.2 Ac.

**SEE SHEET 05-02841-40**  
TOTAL PERMIT 100- 26.41 AC.  
TOTAL MODIFIED 100- 23.65 AC.

Wetland Delineation and Stream Identification by Heritage Technical Associates, Inc. in 2014.

Wetland Delineation and Stream Identification by All-Star Ecology, LLC in August 2016.

Revisions	Date
Added Compact Pallet Stack	09-26-2016

**WEST VIRGINIA 811**  
CALL BEFORE YOU DIG! 800.245.4848  
www.WV811.com



**Design Certification**  
The drawings, construction notes and reference diagrams attached hereto have been prepared in accordance with the West Virginia Code of State Rules, Division of Environmental Protection, Office of Oil and Gas.  
The information reflects a gas well drilling pad and road.  
Dennis L. Fisher RPE 0854  
09/26/2016  
Date



**DLF**  
Dennis L. Fisher, RPE  
PO Box 281  
Pledge, WV 26416  
Cell: 204-671-4126  
E-mail: dlf@crjgroup.com

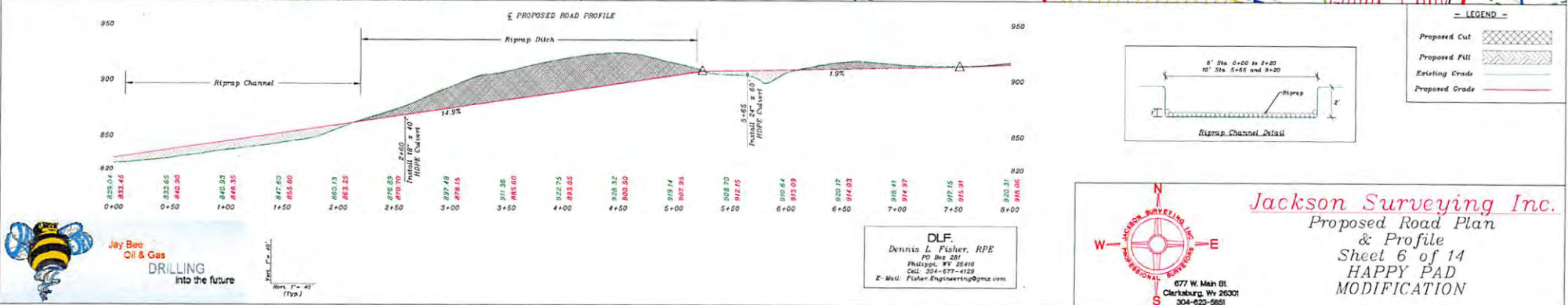
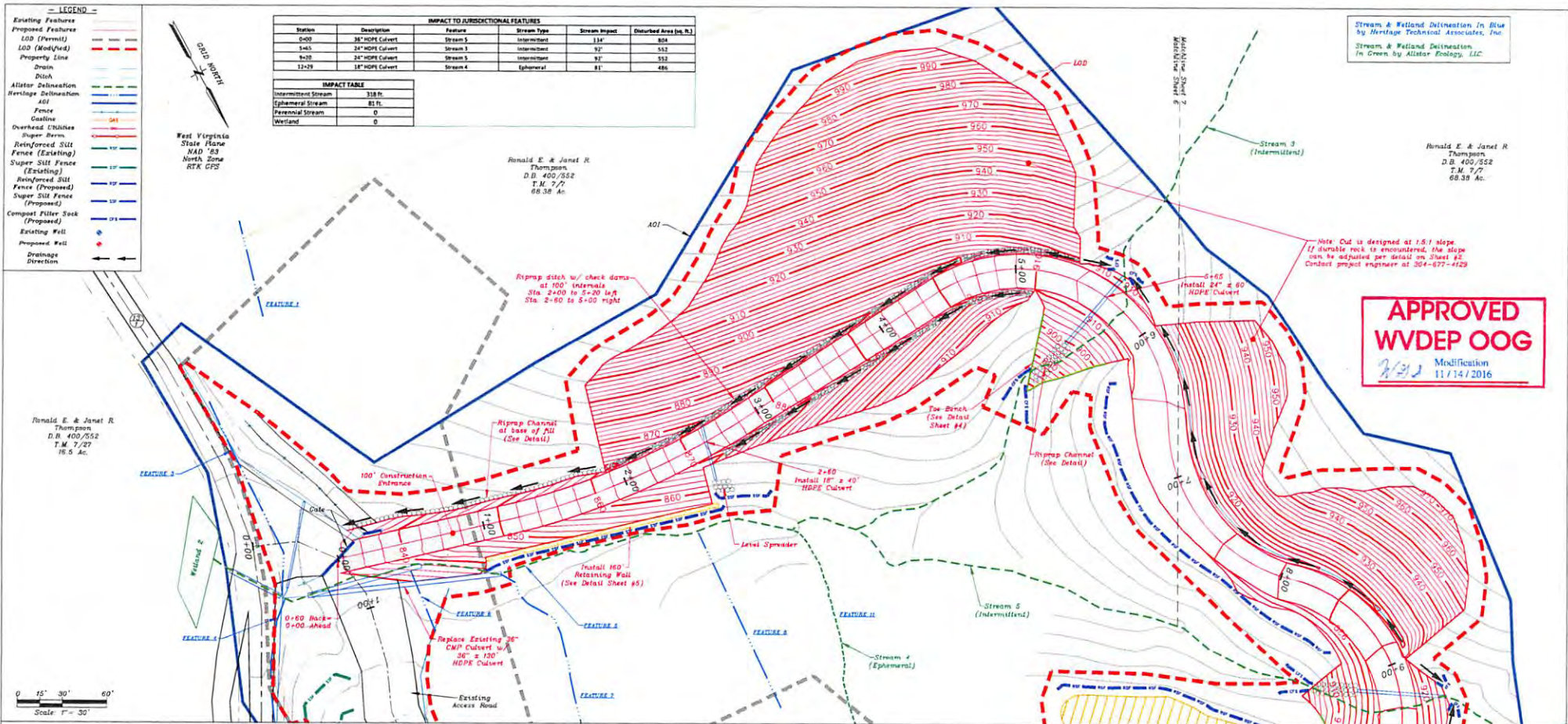


Jackson Surveying Inc.

Cover

Sheet 1 of 14  
HAPPY PAD  
MODIFICATION





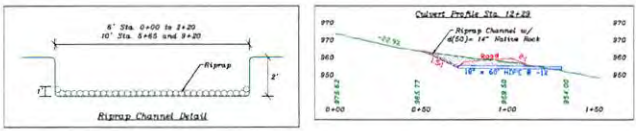
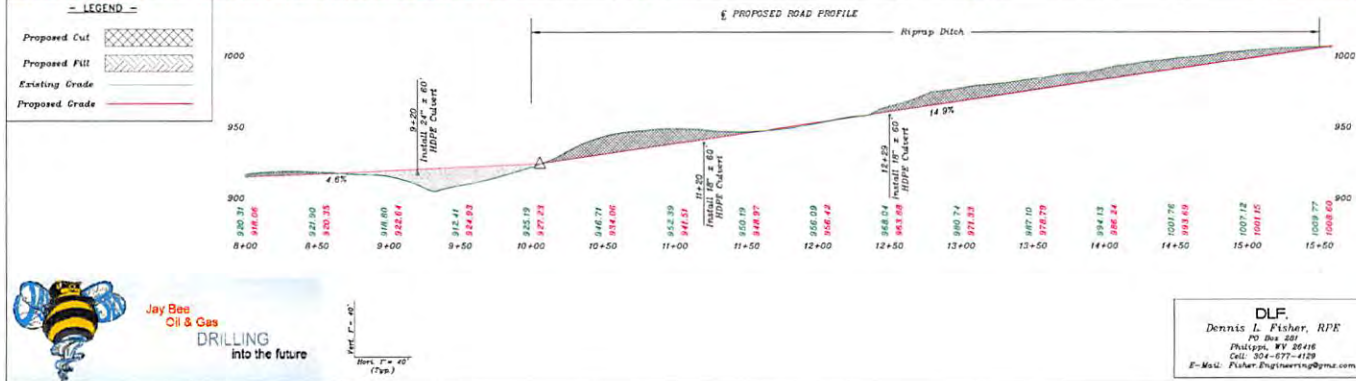
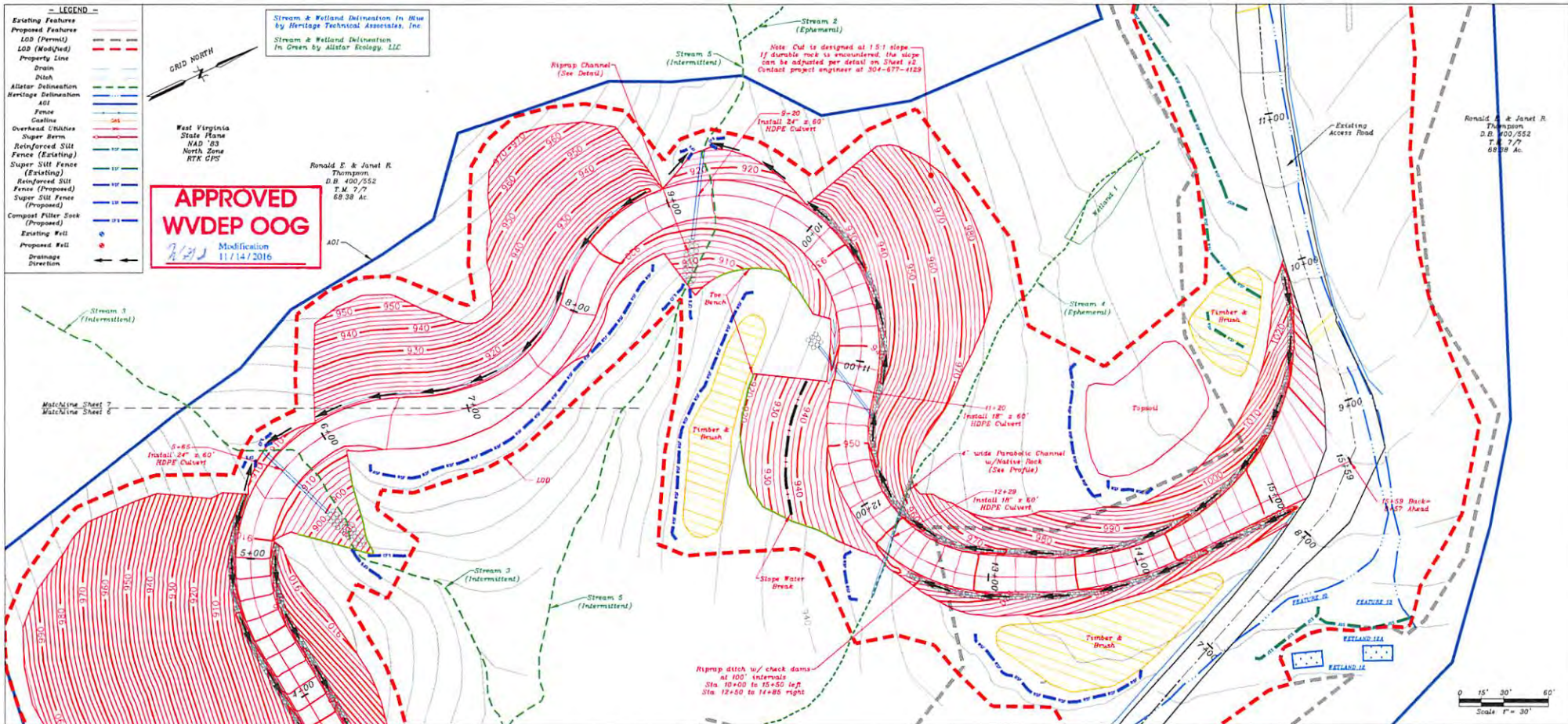
- LEGEND -**
- Existing Features
  - Proposed Features
  - LOD (Permit)
  - LOD (Mod/Ad)
  - Property Line
  - Drain
  - Ditch
  - Allstar Delineation
  - Heritage Delineation
  - 40'
  - Fence
  - Casline
  - Overhead Utilities
  - Super Berm
  - Reinforced Silt Fence (Existing)
  - Super Silt Fence (Existing)
  - Reinforced Silt Fence (Proposed)
  - Super Silt Fence (Proposed)
  - Compact Filter Sack (Proposed)
  - Existing Well
  - Proposed Well
  - Drainage Direction

Stream & Wetland Delineation in Blue by Heritage Technical Associates, Inc.  
 Stream & Wetland Delineation in Green by Allstar Ecology, LLC

West Virginia State Plane  
 NAD 83  
 North Zone  
 RTK GPS

Ronald E. & Janet R. Thompson  
 D.B. 400/552  
 T.M. 7, 7  
 69.38 Ac.

**APPROVED WVDEP OOG**  
 Modification 11/14/2016



**Jackson Surveying Inc.**  
 Proposed Road Plan & Profile  
 Sheet 7 of 14  
**HAPPY PAD MODIFICATION**

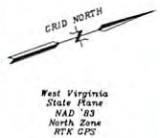
677 W. Main St.  
 Clarkburg, Wv 26301  
 304-622-5851



**DLF**  
 Dennis L. Fisher, RPE  
 P.O. Box 251  
 Phillips, WV 26416  
 Cell: 304-677-4129  
 E-Mail: Fisher.Engineering@gmail.com

**LEGEND**

Existing Features	—
Proposed Features	—
LOD (Permit)	—
LOD (Mod/Field)	—
Property Line	—
Drain	—
Shade	—
Allstar Delineation	—
Heritage Delineation	—
All	—
Fence	—
Caulkline	—
Overhead Utilities	—
Super Berm	—
Reinforced Silt Fence (Existing)	—
Super Silt Fence (Existing)	—
Reinforced Silt Fence (Proposed)	—
Super Silt Fence (Proposed)	—
Compact Filter Well (Proposed)	—
Existing Well	—
Proposed Well	—
Drainage Direction	—



**APPROVED WVDEP OOG**  
 Modification  
 11/14/2016

Arthur Thomas & Lois Jean Bloom  
 D.B. 342,675  
 T.M. 6/18  
 59.76 Ac.

Ronald E. & Janet R. Thompson  
 D.B. 406,203  
 T.M. 6/17  
 26.36 Ac.

JayBee Royalty, LLC  
 D.B. 497,370  
 T.M. 7/1  
 46.81 Ac.

Note: All proposed items on the pad are shown in red.

Stream & Wetland Delineation in Blue by Heritage Technical Associates, Inc.  
 Stream & Wetland Delineation in Green by Allstar Biology, LLC

**CENTER PAD**  
 Geographic NAD 83  
 Latitude: 39.469805  
 Longitude: 80.750808

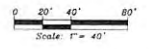
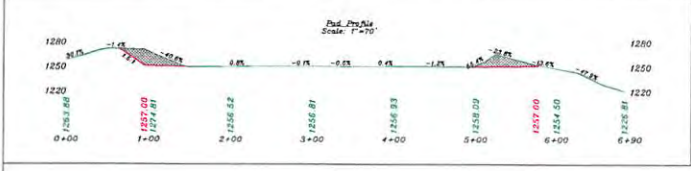
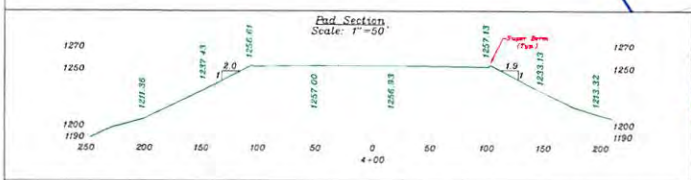
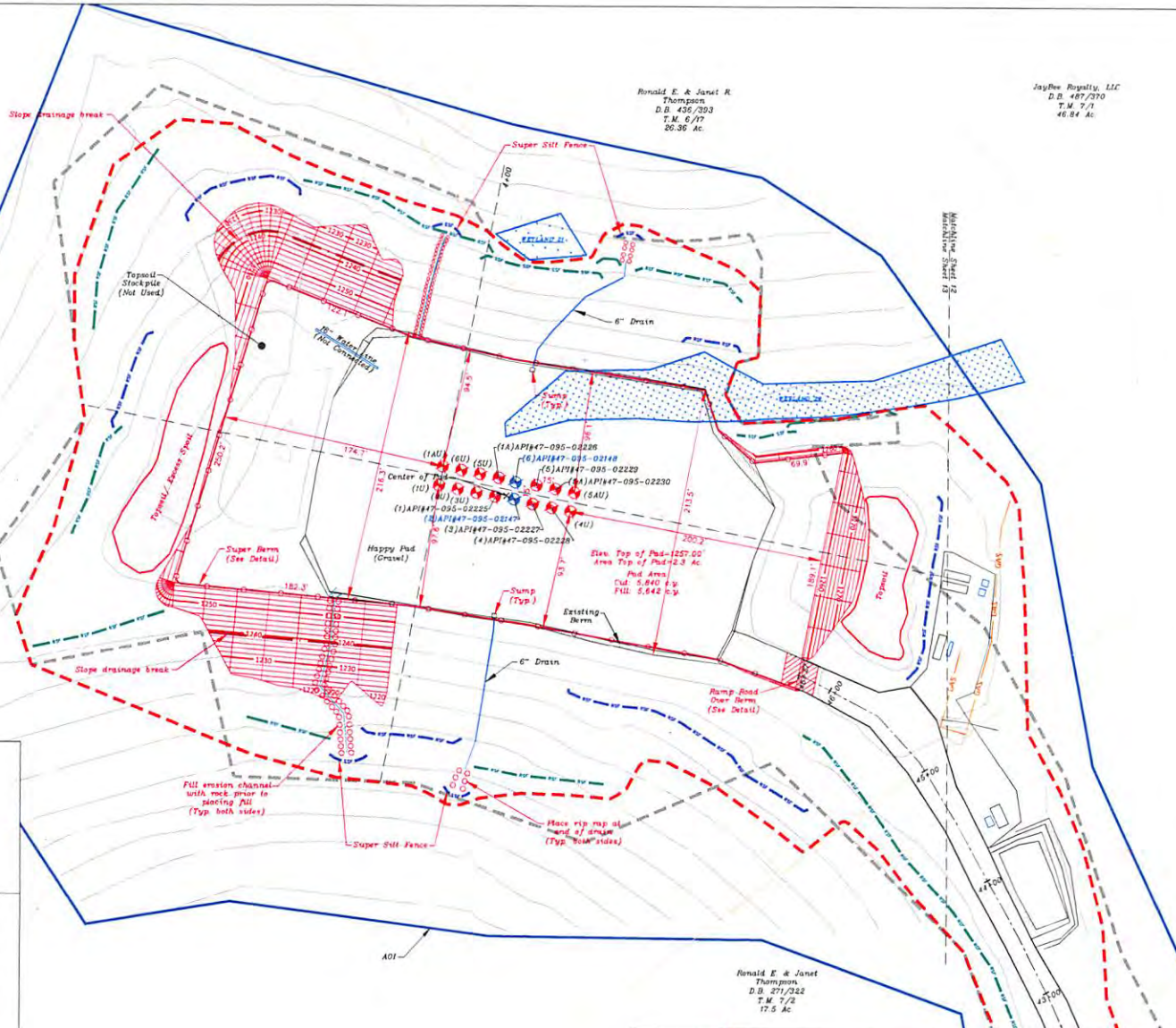
Geographic NAD 27  
 Latitude: 39.469724  
 Longitude: 80.750983

UTM, NAD 83 (WESTERS)  
 North: 4368943.1  
 East: 521434.5

**WELL ENTRANCE INT.**  
 Geographic NAD 83  
 Latitude: 39.465739  
 Longitude: 80.736898

Geographic NAD 27  
 Latitude: 39.465658  
 Longitude: 80.737073

UTM, NAD 83 (WESTERS)  
 North: 4368495.3  
 East: 522632.4



**DLF.**  
 Dennis L. Fisher, RPE  
 PO Box 201  
 Phillippi, WV 26416  
 Cell: 304-677-4129  
 E-Mail: Fisher.Engineering@pm.com



**Jackson Surveying Inc.**  
 Pad Plan & Profile

Sheet 13 of 14  
 HAPPY PAD  
 MODIFICATION

Ronald E. & Janet Thompson  
 D.B. 271,742  
 T.M. 7/2  
 17.5 Ac.

677 W. Main St.  
 Clarkburg, WV 26301  
 304-623-9851