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**west virginia** department of environmental protection

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Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

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

January 26, 2016

**WELL WORK PERMIT**

**Horizontal 6A Well**

This permit, API Well Number: 47-9502223, issued to JAY-BEE OIL & GAS, 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 all 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 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.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-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) 926-0499 ext. 1654.

James Martin  
Chief

Operator's Well No: T1-03-1A  
Farm Name: HOOVER, EDSEL JR. ET AL  
**API Well Number: 47-9502223**  
**Permit Type: Horizontal 6A Well**  
Date Issued: 01/26/2016

**Promoting a healthy environment.**

**01/29/2016**

# 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).

Comments

Comments





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west virginia department of environmental protection

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

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

**ORDER  
ISSUED UNDER  
WEST VIRGINIA CODE, CHAPTER 22, ARTICLE 6A**

TO: Jay-Bee Oil and Gas  
R1 1 Box 5  
Cairo, WV 26337

DATE: January 29, 2014  
ORDER NO.: 2014-W-1

CC: Jay-Bee Oil and Gas  
1720 Rt. 22E  
Union, NJ 07083

**INTRODUCTION**

This Order (hereinafter “Order”) is issued by the Office of Oil and Gas (hereinafter “OOG”), by and through its Chief, pursuant to the authority of W. Va. Code §§ 22-1-1, 22-6-1 and 22-6A-1 *et seq.* to Jay-Bee Oil & Gas (hereinafter “Jay-Bee” or “Operator”), collectively the “Parties.”

**FINDINGS OF FACT**

In support of this Order, the Chief hereby finds the following:

1. OOG, an office within the West Virginia Department of Environmental Protection, is the agency with the duty and authority to execute and enforce W. Va. Code §22-6-1 and §22-6A-1 *et seq.*, and the rules and regulations promulgated thereunder.
2. Jay-Bee is a “person” as defined by W. Va. Code §22-6-1(n), with a corporate address as Jay-Bee Oil and Gas; 1720 Rt. 22E; Union, NJ 07083.
3. On December 26, 2012, Jay-Bee submitted applications for gas wells identified as API# 47-95-02091, API# 47-95-02094, API# 47-95-02093, API# 47-95-02092; and on January 22, 2013, Jay-Bee submitted applications for gas wells identified as API# 47-95-02101, API# 47-95-02100, API# 47-95-02102, located on the T1-03 Lisby Pad in Tyler County, West Virginia.
4. On January 7, 2014, Jay-Bee requested a waiver, outlined in Exhibit 1 pertaining to Big Run, from well location restriction requirements in W. Va. Code §22-6A-12(b) for gas well permit applications identified as API# 47-95-02091, API# 47-95-02094, API# 47-95-02093, API# 47-95-02092, API# 47-95-02101, API# 47-95-02100, API# 47-95-02102, located on the T1-03 Lisby Pad in Tyler County, West Virginia.

01/29/2016

## CONCLUSIONS OF LAW

1. West Virginia Code §22-1-6(d) requires, in part, that “[i]n addition to other powers, duties and responsibilities granted and assigned to the secretary by this chapter, the secretary is authorized and empowered to...(3) Enter private lands to make surveys and inspections for environmental protection purposes; to investigate for violations of statutes or rules which the Office of Oil and Gas is charged with enforcing; to serve and execute warrants and processes; to make arrests; issue orders, which for the purposes of this chapter include consent agreements; and to otherwise enforce the statutes or rules which the Office of Oil and Gas is charged with enforcing.”
2. West Virginia Code §22-6A-2(a)(6) requires, in part, that “Concomitant with the broad powers to condition the issuance of well work permits, the secretary should also have broad authority to waive certain minimum requirements of this article when, in his or her discretion, such waiver is appropriate: *Provided*, That the secretary shall submit a written report of the number of waivers granted to the Legislature commencing January 1, 2013, and each year thereafter.”
3. West Virginia Code §22-6A-12(b) requires, in part, that “[n]o 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 Office of Oil and Gas 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 Office of Oil and Gas 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.”

**ORDER**

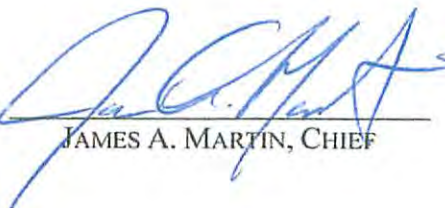
Therefore, the Office of Oil and Gas grants Jay-Bee Oil and Gas a waiver for Big Run from well location restriction requirements in W. Va. Code § 22-6A-12(b) for gas well permit applications identified as API# 47-95-02091, API# 47-95-02094, API# 47-95-02093, API# 47-95-02092, API# 47-95-02101, API# 47-95-02100, and API# 47-95-02102, located on the T1-03 Lisby Pad in Tyler County, West Virginia. The Office of Oil and Gas hereby **ORDERS** that Jay-Bee Oil and Gas shall meet the following site construction and operational requirements for the T1-03 Lisby well pad:

- a. Above-ground storage tank adjacent to Big Run shall be used to store fresh water only;
- b. Big Run shall have a reinforced silt fence installed no closer than 27 feet from the stream;
- c. Weekly site inspections shall be conducted to monitor and maintain the integrity of the reinforced silt fence;
- d. Disturbed areas not used for operations shall be seeded and mulched per the seeding tables in the WVDEP-OOG Erosion and Sediment Control Manual;
- e. Weekly storm water and spill prevention inspections shall be conducted focusing on storm water and spill prevention BMPs and maintenance of these BMPs;
- f. Inspections of the storm water and spill prevention measures shall be conducted after any major storm event defined as a half inch (½") rain within any twenty-four (24) hour period;
- g. Pad inspections shall be conducted no less than once a week to identify and mitigate potential deficiencies;
- h. All records from inspections shall be maintained on site for the life of the project and be available upon request.
- i. Drilling muds shall be disposed of in a permitted landfill;
- j. Waste generated by the flowback treatment systems shall be sent to offsite disposal at a permitted landfill;

Thus ORDERED, the 29<sup>th</sup> day of January, 2014.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

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

By:   
JAMES A. MARTIN, CHIEF



WW-6B  
(9/13)

**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
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Operator ID County District Quadrangle

2) Operator's Well Number: T1-03-1A Well Pad Name: T1-03

3) Farm Name/Surface Owner: Edsel Hoover Jr. et al Public Road Access: Big Run Rd (CR40)

4) Elevation, current ground: 723.65' Elevation, proposed post-construction: 723.65'

5) Well Type (a) Gas  Oil  Underground Storage   
Other   
(b) If Gas Shallow  Deep   
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Associated Pressure(s):  
Marcellus Target Depth 6,900', Total Depth 17,800'

8) Proposed Total Vertical Depth: 6,900'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 17,800'

11) Proposed Horizontal Leg Length: 8,854'

12) Approximate Fresh Water Strata Depths: 65'

13) Method to Determine Fresh Water Depths: Well Record 47-095-01004

14) Approximate Saltwater Depths: N/A

15) Approximate Coal Seam Depths: N/A

16) Approximate Depth to Possible Void (coal mine, karst, other): No

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

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

WW-6B  
(9/13)

18)

**CASING AND TUBING PROGRAM**

<b>TYPE</b>	<b>Size</b>	<b>New or Used</b>	<b>Grade</b>	<b>Weight per ft. (lb/ft)</b>	<b>FOOTAGE: For Drilling</b>	<b>INTERVALS: Left in Well</b>	<b>CEMENT: Fill-up (Cu. Ft.)</b>
Conductor	16	New	J55	40	60	60	16.45 CTS
Fresh Water	11 3/4	New	J55	32	300	300	142.25 CTS
Coal	N/A						
Intermediate	8 5/8	New	J55	24	2,000	2,000	508.43 CTS
Production	5 1/2	New	P110	17	17,800	17,800	2910.66
Tubing	N/A						
Liners	N/A						

Cement up to 1000' from Surface

M.D.G.  
11/19/14

<b>TYPE</b>	<b>Size</b>	<b>Wellbore Diameter</b>	<b>Wall Thickness</b>	<b>Burst Pressure</b>	<b>Cement Type</b>	<b>Cement Yield (cu. ft./k)</b>
Conductor	16	17 1/2	.495	3,000#	Class A Cement	1.19
Fresh Water	11 3/4	15	.333	1,500#	Class A Cement	1.26
Coal	N/A					
Intermediate	8 5/8	11	.264	2,500#	Class A Cement	1.45
Production	5 1/2	7 7/8	.304	15,000#	Type 1 Cement	1.34
Tubing	N/A					
Liners	N/A					

**PACKERS**

Kind:	N/A			
Sizes:				
Depths Set:				

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Environmental Protection



WW-6B  
(9/13)

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

Drill and Stimulate a new Horizontal Well. Using a top hole rig, we will drill top hole to kick off point by drilling the conductor, freshwater and intermediate holes. Using a directional rig we will drill the production holes.

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

300-350' per stage 8,500bbbls of water, 150,000-400,000lbs of sand, friction reducer, 1# per gallon, scale inhibitor and bacteria prevention 1/4# per gallon 2000 gallons 15% vol acid. 77bpm @ 6500# pressure.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 3.3

22) Area to be disturbed for well pad only, less access road (acres): 1.991

23) Describe centralizer placement for each casing string:

Vertical - Every 500' Bow Centralizer, and 50' from top of ground. Horizontal every 42' Spiral Centralizer, Curve - Every 84' Spiral Centralizer.

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

15" hole for the 11 3/4 fresh water case, Class A Cement, 2% Calcium Chloride, 1/4# flake.  
11" hole for the 8 5/8 intermediate base, Class A Cement, 2% Calcium Chloride  
7 7/8" hole for the 5 1/2 production case, Type 1 Cement, Fly Ash, Barite, Finetol 300L, R-3 Celio Flake, Sugar, CD-32, FL-62

25) Proposed borehole conditioning procedures:

Air Hole: 15" hole for the 11 3/4 fresh water case - Circulate until clean with air. If soaping, slug then dry.  
Air Hole: 11" hole for the 8 5/8 intermediate base - Circulate until clean with air. If soaping, slug then dry.  
7 7/8" hole for the 5 1/2 production case - Circulate with mud and sweeps for two times bottoms up.  
If needed weight up mud until no cuttings retrieved, then circulate with mud and sweeps for two times bottoms up.

\*Note: Attach additional sheets as needed.

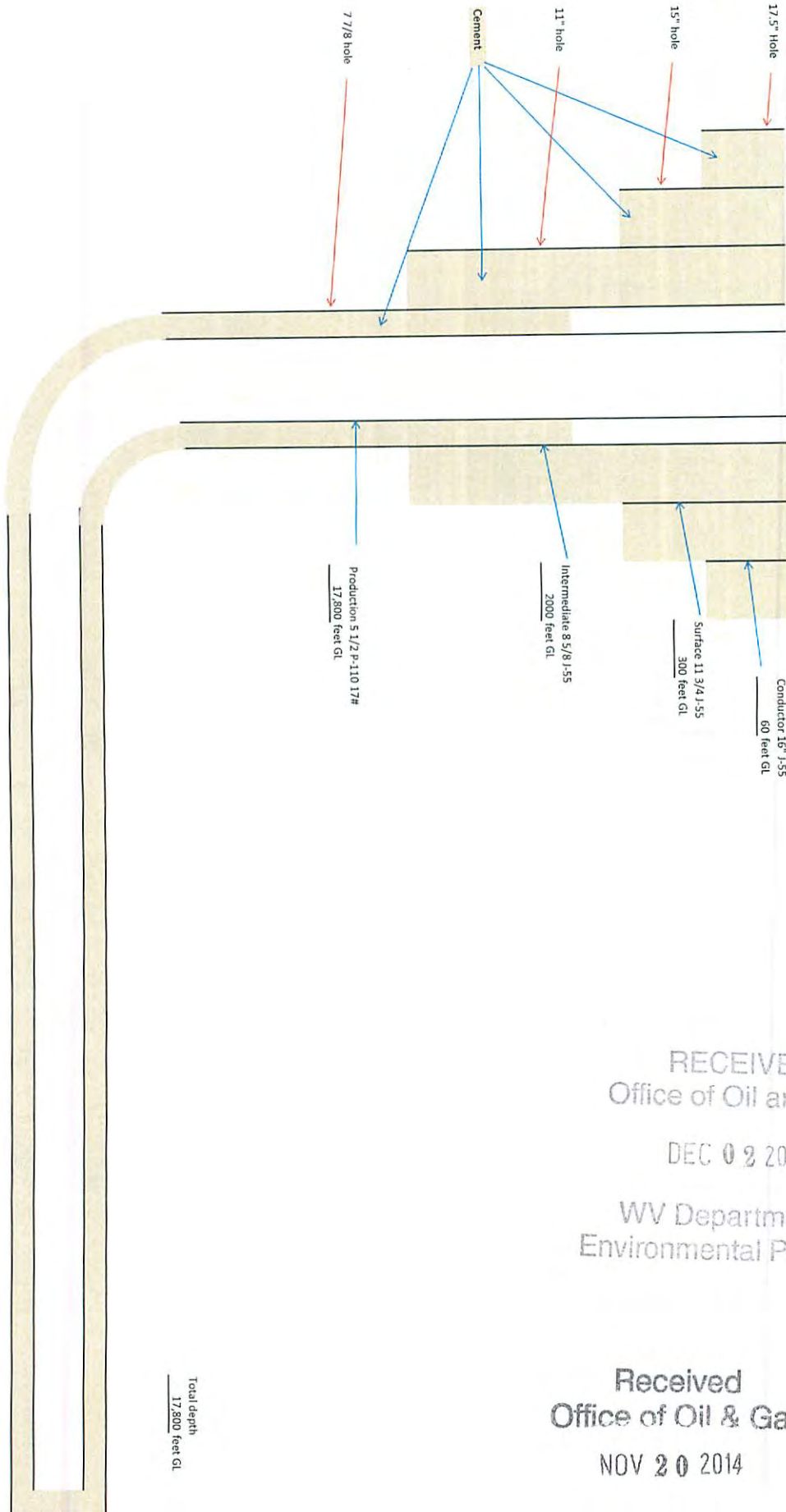
09502223

Jay-Bee Oil & Gas Inc.  
Well Name 11-03-1A  
GL Elevation 724'  
KB 14 feet

Date  
District  
County  
State

11/19/2014  
MEEfroy  
Tyler  
West Virginia

Input by: Shane Dowell



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09502223

WW-9  
(9/13)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. T1-03-1A

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) Big Run Creek Quadrangle Shirley 7.5

Elevation 723.6' County Tyler District McElroy

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 Norte/CES (API'S 47-085-05151))

MAG  
11/19/14

Will closed loop system be used? If so, describe: Yes, Centrifuge System (Boss, Newalta) for Top Hole and Directional Drilling

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

-If oil based, what type? Synthetic, petroleum, etc. Brine Base Drilling Mud on horizontal

Additives to be used in drilling medium? Bentonite, Salt, Soda Ash

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

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Environmental Protection

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.

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Office of Oil & Gas

NOV 20 2014

Company Official Signature [Signature]

Company Official (Typed Name) Shane Dowell

Company Official Title Office Manager

Subscribed and sworn before me this 19<sup>th</sup> day of November

Teresa R. Hall

My commission expires October 9<sup>th</sup> 2019

Official Seal  
Notary Public, State Of West Virginia  
Teresa R. Hall  
333 Crown Manor Circle #95  
Mineral Wells, WV 26150  
My Commission Expires October 09, 2019

2014  
Notary Public  
Teresa R. Hall

01/29/2016

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[Faint, illegible text, likely bleed-through from the reverse side of the page]

My Commission Expires October 03, 2019  
 Notary Public, State of West Virginia  
 Official Seal  
 333 Crown Manor Circle #82  
 Mineral Wells, WV 26150  
 Teresa R. Hall



01/29/2016



09502223

Form WW-9

Operator's Well No. T1-03-1A

Jay-Bee Oil & Gas, Inc

Proposed Revegetation Treatment: Acres Disturbed 3.3 Prevegetation pH \_\_\_\_\_

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer type 10-20-20

Fertilizer amount 750 lbs/acre

Mulch Hay 2000 Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre  
Annual Ryegrass 40

Seed Type lbs/acre  
KY-31 20

Creeping Red Fescue 30

Lathco Flat Pea/Perennial Ryegrass 30

Attach:

Drawing(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided)

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: Michael Doff

Comments: Preseed & mulch any disturbed areas. Upgrade & maintain E-os as necessary. All berms to be reconstructed and maintained during (drilling to completion) of Well. Impervious liner/containment under equipment while on site.

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Title: Oil & Gas Inspector

Date: 11/19/2014 RECEIVED  
Office of Oil and Gas

Field Reviewed?  Yes  No

DEC 09 2014

WV Dept. of Environmental Protection  
01/29/2016



09502223

# T1-03-1A

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# WELL SITE SAFETY PLAN

*Michael Hoff*  
11/19/2014

JAY-BEE OIL & GAS, INC

NOVEMBER 19, 2014

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WV Department of  
Environmental Protection

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Office of Oil & Gas

NOV 20 2014

01/29/2016

95-02223

WW-6A1  
(5/13)

Operator's Well No. T1-03-1A

**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
T1-03 (B,C)	Darrell D. Wright	Jay-Bee Production Company	12.5%	396/190
W668D (D)	Lloyd A. Tustin	Jay-Bee Production Company	12.5%	390/376
W668B (E)	Joseph Boyd	JB Exploration I, LLC	12.5%	417/523
FoutT30B (H)	John & Nancy Fout	Jay-Bee Production Company	12.5%	380/396
FoutT30A (K,O)	John & Nancy Fout	Jay-Bee Production Company	12.5%	380/396
T3054A (P)	Donald C. Kesterson	JB Exploration I, LLC	12.5%	427/834


**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

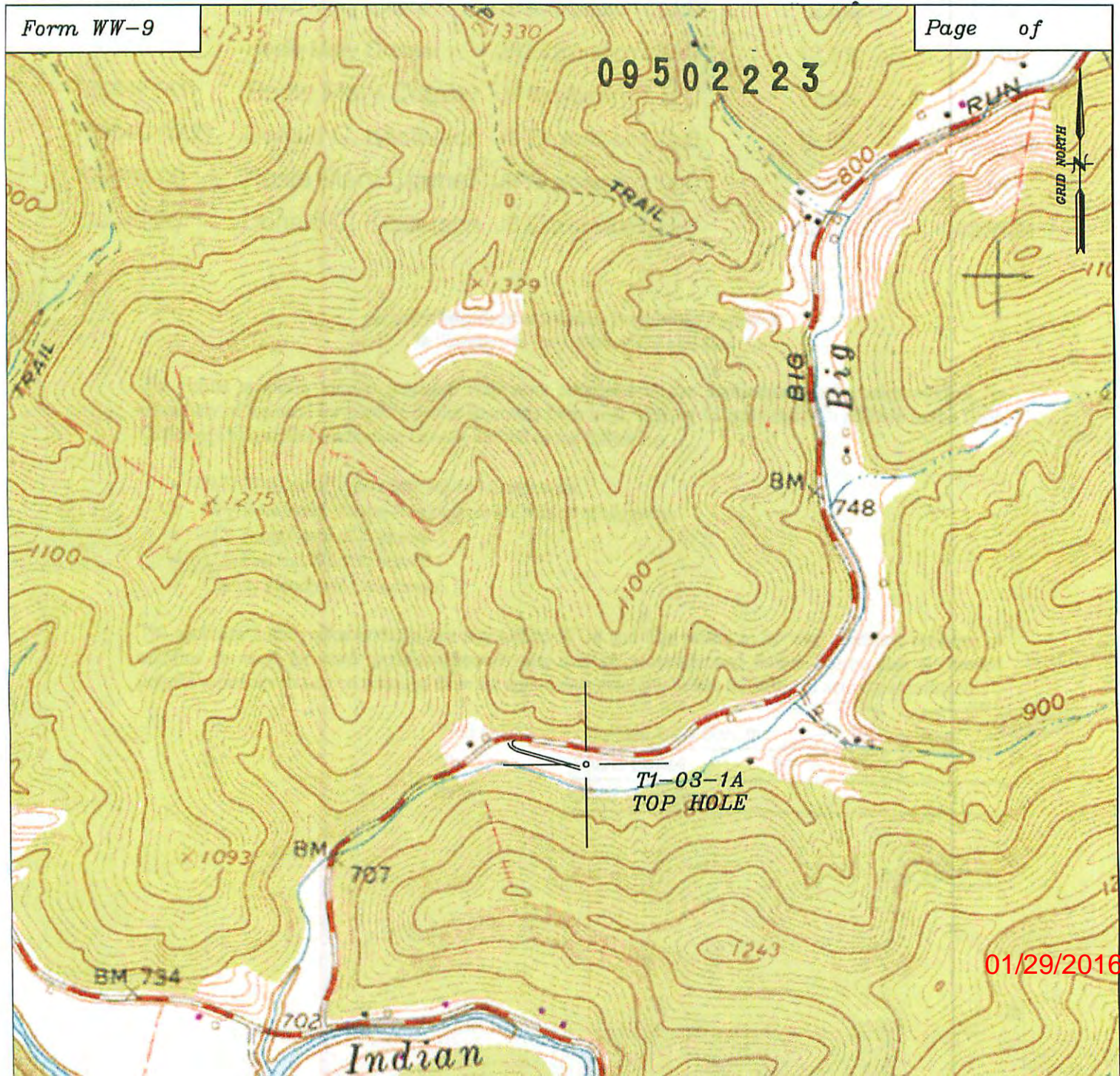


**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

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- (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





**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE  
Chapter 22, Article 6A, Section 5(a)(5)  
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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
T3054B (M)	Donald C. Kesterson	JB Exploration I, LLC	12.5%	427/834
Affidavit	Jay-Bee Production Company	Jay-Bee Oil & Gas, Inc		
Affidavit	JB Exploration I, LLC	Jay-Bee Oil & Gas, Inc		

*7 attached*

**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

**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 API No(s). 47-095-02223, 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.



Further, affiants sayeth naught.

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

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 31<sup>st</sup> day of July, 2015 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: October 9<sup>th</sup> 2019.

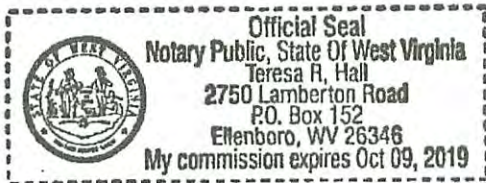
[Signature]  
NOTARY PUBLIC

[Signature]  
Randy Broda, President of Jay-Bee Production Company

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 31<sup>st</sup> day of July, 2015 by Randy Broda, President of Jay-Bee Production Company, on behalf of the company.

My commission expires: October 9<sup>th</sup> 2019.

[Signature]  
NOTARY PUBLIC



**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 API No(s). 47-095-02223, 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.

Further, affiants sayeth naught.

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

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 31<sup>st</sup> day of July, 2015 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

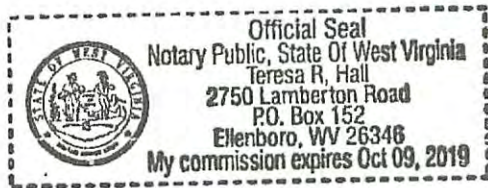
My commission expires: October 9<sup>th</sup> 2019

[Signature]  
Randy Broda, Managing Member of JB Exploration I, LLC

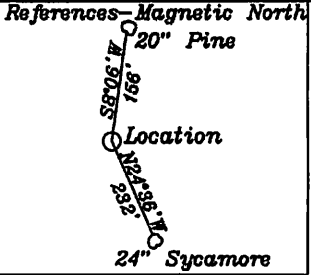
Teresa R. Hall  
NOTARY PUBLIC

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 31<sup>st</sup> day of July, 2015 by Randy Broda, Managing Member of JB Exploration I, LLC, on behalf of the company.

My commission expires: October 9<sup>th</sup> 2019

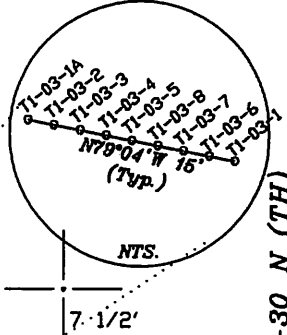


Teresa R. Hall  
NOTARY PUBLIC



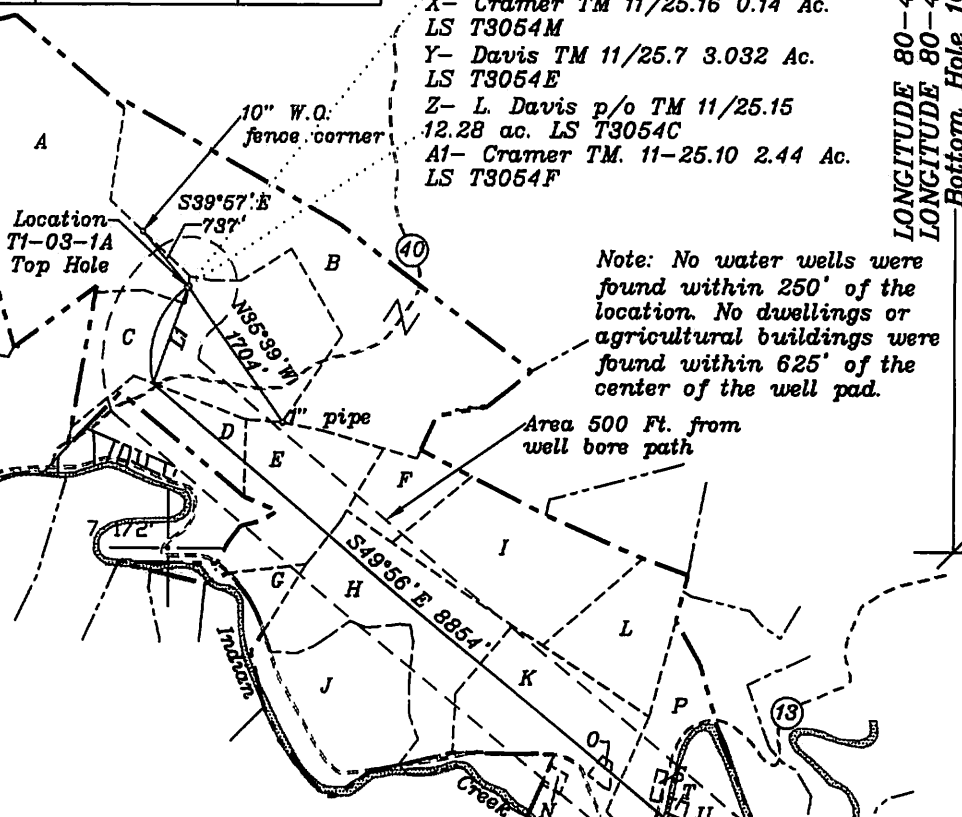
<b>Top Hole</b>		
NAD 27-39.448619 N, 80.802205 W		
UTM NAD83(meters)-4366589.8 N. 517033.6 E		
State Plane NAD 27-348171.6 N, 1632276.4 E		
<b>LPI-Landing Point 1</b>		
NAD 27-39.445878 N, 80.803435 W		
UTM NAD83(meters)-4366285.4 N. 516928.5 E		
State Plane NAD 27-347178 N, 1631915 E		
<b>Bottom Hole</b>		
NAD 27-39.430500 N, 80.779158 W		
UTM NAD83(meters)-4364583.6 N. 519021.6 E		
State Plane NAD 27-341479 N, 1638690 E		

NUMBER	DIRECTION	DISTANCE
L1	S20°01'W	1057'

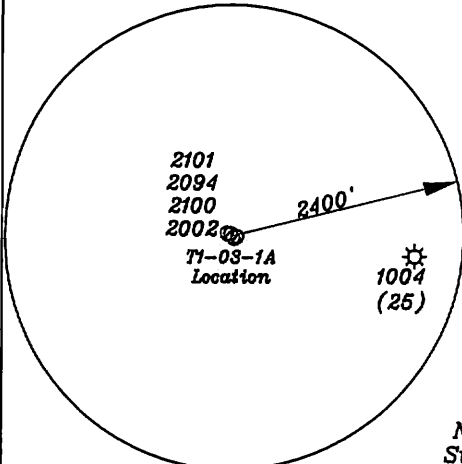


Note: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats & aerial photos.

- A- Hoover TM.5-15 112.25 Ac. LS T1-03
- B- Nichols TM.11-49 113.71 Ac. LS T1-03
- C- Lisby TM.10-4 80 Ac. LS T1-03
- D- Boyd p/o TM.10/12 10.25 Ac. LS W668D
- E- Boyd p/o TM.10/12 35 ac. LS W668E
- F- Spencer TM.11-48 18.25 Ac.
- G- Boyd TM. 10/14.1 2.5 ac.
- H- Stanley TM.11-47.2 50.26 Ac. LS FoutT30B
- I- Gatrell TM.11-12 47 Ac.
- J- Rickets TM 11/47 48.438 ac.
- K- Thomas & Yeater TM.11-24 56.4 Ac. LS FoutT30A
- L- Goddard TM.11-11 25 Ac.
- M- Yeater TM 11/25.12 13.75 ac. LS T3054B
- N- Thomas TM 11/24.1 0.99 ac.
- O- Thomas & McBodie TM 11/24.2 1.21 ac.
- P- Gwynn et al TM 11/25 49.732 ac. LS T3054A



Note: 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.



- Q- Cramer TM 11/25.13 0.18 Ac. LS T3054L
- R- T. Davis TM 11/25.18 10 ac.
- S- Murner TM 11/25.9 1 Ac.
- T- Gwynn TM 11/25.11 0.8 Ac.
- U- Cramer TM 11/25.14 0.54 Ac.
- V- Cramer TM 11/25.6 2.19 Ac. LS T3054G
- W- Davis p/o TM 11/25.15 0.06 Ac. LS T3054C

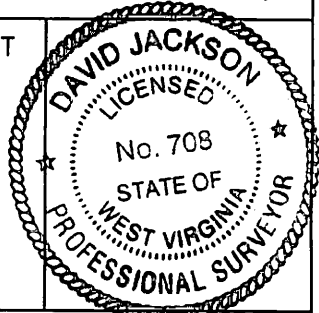
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 27.

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

FILE NO. \_\_\_\_\_  
 DRAWING NO. 1  
 SCALE 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION GPS  
submeter unit

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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



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

DATE November 12, 2014  
 OPERATOR'S WELL NO. T1-03-1A  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL X GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_ 47 - 095 - 02223 H6A  
 (IF 'GAS') PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW X STATE COUNTY PERMIT

LOCATION: ELEVATION 723.6' WATER SHED Big Run  
 DISTRICT McElroy COUNTY Tyler  
 QUADRANGLE Shirley 7 1/2'

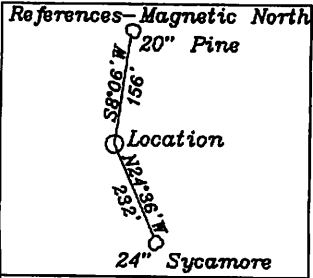
SURFACE OWNER Edsel Hoover Jr. et al ACREAGE 112.25 ac.  
 OIL & GAS ROYALTY OWNER Darrell D. Wright LEASE ACREAGE 396.654 ac  
 LEASE NO. see ownership list above for lease numbers

01/29/2016

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

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION Marcellus ESTIMATED DEPTH TVD 6900'; TMD 17800'  
 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



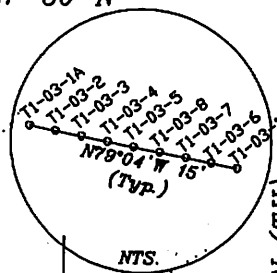


**Top Hole**  
NAD 27-39.448619 N, 80.802205 W  
UTM NAD83(meters)-4366589.8 N. 517033.6 E  
State Plane NAD 27-348171.6 N, 1632276.4 E

**LPI-Landing Point 1**  
NAD 27-39.445878 N, 80.803435 W  
UTM NAD83(meters)-4366285.4 N. 516928.5 E  
State Plane NAD 27-347178 N, 1631915 E

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UTM NAD83(meters)-4364583.6 N. 519021.6 E  
State Plane NAD 27-341479 N, 1638690 E

NUMBER	DIRECTION	DISTANCE
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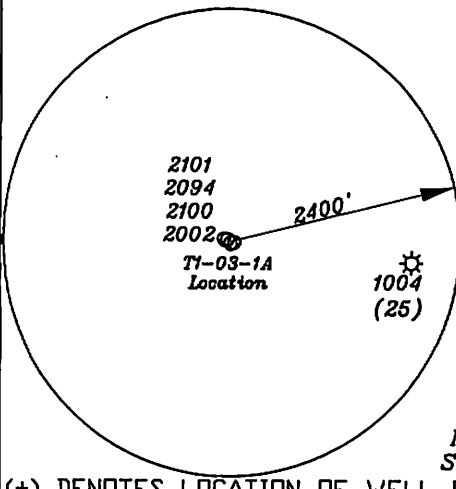


Notes: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats & aerial photos.

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- B- Nichols TM.11-49 113.71 Ac.
- C- Lisby TM.10-4 80 Ac. LS T1-03
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- F- Spencer TM.11-48 18.25 Ac.
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- H- Stanley TM.11-47.2 50.26 Ac. LS FoutT30B
- I- Gatrell TM.11-12 47 Ac.
- J- Rickets TM 11/47 48.438 ac.
- K- Thomas & Yeater TM.11-24 55.4 Ac. LS FoutT30A
- L- Goddard TM.11-11 25 Ac.
- M- Yeater TM 11/25.12 13.75 ac. LS T3054B
- N- Thomas TM 11/24.1 0.99 ac.
- O- Thomas & McCrobie TM 11/24.2 1.21 ac.
- P- Gwynn et al TM 11/25 49.732 ac. LS T3054A

- X- Cramer TM 11/25.16 0.14 Ac. LS T3054M
- Y- Davis TM 11/25.7 3.032 Ac. LS T3054E
- Z- L. Davis p/o TM 11/25.15 12.28 ac. LS T3054C
- A1- Cramer TM. 11-25.10 2.44 Ac. LS T3054F

Note: 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.



- Q- Cramer TM 11/25.13 0.18 Ac. LS T3054L
- R- T. Davis TM 11/25.18 10 ac.
- S- Murner TM 11/25.9 1 Ac.
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- U- Cramer TM 11/25.14 0.54 Ac.
- V- Cramer TM 11/25.6 2.19 Ac. LS T3054C
- W- Davis p/o TM 11/25.15 0.06 Ac. LS T3054C

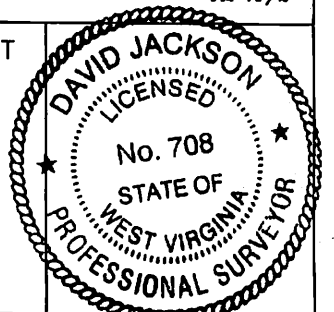
Notes: Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 27.

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

FILE NO. \_\_\_\_\_  
DRAWING NO. 1  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY 1 in. 200  
PROVEN SOURCE OF ELEVATION GPS  
submeter unit

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

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



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

DATE November 12, 2014  
OPERATOR'S WELL NO. T1-03-1A  
API WELL NO. \_\_\_\_\_

WELL TYPE: OIL X GAS X LIQUID INJECTION     WASTE DISPOSAL     47 - 095 - 02223 H64  
(IF 'GAS') PRODUCTION X STORAGE     DEEP     SHALLOW X STATE COUNTY PERMIT

LOCATION: ELEVATION 723.6' WATER SHED Big Run  
DISTRICT McElroy COUNTY Tyler  
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER Edsel Hoover Jr. et al ACREAGE 112.25 ac.  
OIL & GAS ROYALTY OWNER Darrell D. Wright LEASE ACREAGE 396.654 ac  
LEASE NO. see ownership list above for lease numbers

01/29/2016

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

PLUG AND ABANDON     CLEAN OUT AND REPLUG      
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD 6900'; TMD 17800'  
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

Top Hole 3495'  
LONGITUDE 80-47-30 N (TH)  
LONGITUDE 80-45-00 N (BH)  
Bottom Hole 10,021'





09502223

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

November 19, 2014

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

RE: T1-03-1A Well

Permitting Office:

As you know we have applied for a well permit for the T1-03-1A Well in Tyler County, West Virginia. This pad is located on what we call the T1-03 tract. County Route 13 runs south 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

RECEIVED  
Office of Oil and Gas  
DEC 02 2014  
WV Department of  
Environmental Protection

Received  
Office of Oil & Gas  
NOV 20 2014

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

09502223

Date of Notice Certification: 12/01/2014

API No. 47- \_\_\_\_\_  
Operator's Well No. T1-03-1A  
Well Pad Name: T1-03

**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>517033.6</u>
County: <u>Tyler</u>		Northing: <u>4366589.8</u>
District: <u>McElroy</u>	Public Road Access: <u>Big Run Rd (CR40)</u>	
Quadrangle: <u>Shirley 7.5</u>	Generally used farm name: <u>Edsel Hoover Jr. et al</u>	
Watershed: <u>Big Run 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.

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:

\*PLEASE CHECK ALL THAT APPLY

- 1. NOTICE OF SEISMIC ACTIVITY or  NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED
- 2. NOTICE OF ENTRY FOR PLAT SURVEY or  NO PLAT SURVEY WAS CONDUCTED
- 3. NOTICE OF INTENT TO DRILL or  NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or  
 WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)
- 4. NOTICE OF PLANNED OPERATION
- 5. PUBLIC NOTICE
- 6. NOTICE OF APPLICATION

**OOG OFFICE USE ONLY**

- RECEIVED/  
NOT REQUIRED
- RECEIVED
- RECEIVED/  
NOT REQUIRED
- RECEIVED
- RECEIVED
- RECEIVED

**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

DEC 02 2014

WV Department of Environmental Protection  
01/29/2016



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

**09502223**

Date of Notice Certification: 11/19/2014

API No. 47- \_\_\_\_\_  
Operator's Well No. T1-03-1A  
Well Pad Name: T1-03

**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>517033.6</u>
County: <u>Tyler</u>	Northing: <u>4366589.8</u>
District: <u>McElroy</u>	Public Road Access: <u>Big Run Rd (CR40)</u>
Quadrangle: <u>Shirley 7.5</u>	Generally used farm name: <u>Edsel Hoover Jr. et al</u>
Watershed: <u>Big Run 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.

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:  *PLEASE CHECK ALL THAT APPLY		<b>OOG OFFICE USE ONLY</b>
<input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED		<input type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED		<input type="checkbox"/> RECEIVED
<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  <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)		<input type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION		<input type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE		<input type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		<input type="checkbox"/> RECEIVED

**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 notified 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, certified mail service, the return receipt card or other postal receipt for certified mailing.

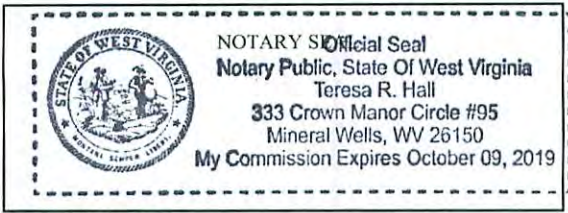
RECEIVED  
 Office of Oil and Gas  
 Office of Oil & Gas  
 DEC 22 2014  
 NOV 20 2014  
 WV Department of  
 Environmental Protection  
01/29/2016

09502223

**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) 629-3119</u>
Telephone:	<u>304-628-3111</u>	Email:	<u>sdowell@jaybeeoil.com</u>



Subscribed and sworn before me this 19<sup>th</sup> day of November.

Teresa R. Hall Notary Public

My Commission Expires October 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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01/29/2016



WW-6A  
(9-13)

API NO. 09502223  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

**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:** 11-19-2014 **Date Permit Application Filed:** 12-1-2014

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: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

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

SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159

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

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

\*Please attach additional forms if necessary

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WV Department of Environmental Protection 01/29/2016



WW-6A  
(9-13)

09502223  
API NO. 47-

OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

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DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
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Address: \_\_\_\_\_

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Name: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159

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: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

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Office of Oil & Gas

\*Please attach additional forms if necessary.

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WV Department of  
Environmental Protection

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WW-6A  
(8-13)

09502223

API NO. 47-  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

**Notice is hereby given by:**

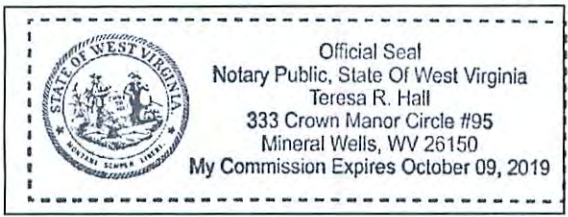
Well Operator: Jay Bee Oil & Gas, Inc.  
Telephone: (304) 628-3111  
Email: sdowell@jaybeoil.com



Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

**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 19<sup>th</sup> day of Nov., 2014.  
Teresa R. Hall Notary Public  
My Commission Expires October 9<sup>th</sup> 2019

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Office of Oil and Gas  
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Office of Oil & Gas  
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Environmental Protection

01/29/2016

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

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**Date of Notice:** 11-19-2014 **Date Permit Application Filed:** 12-1-2014

**Notice of:**

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

SURFACE OWNER(s)  
 Name: Terry & Teresa Jackson  
 Address: HC 62 Box 22A  
 Alma, WV 26320  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

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

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

SURFACE OWNER(s) (Road and/or Other Disturbance)  
 Name: Terry & Teresa Jackson  
 Address: HC 62 Box 22A  
 Alma, WV 26320  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
 Name: Terry & Teresa Jackson  
 Address: HC 62 Box 22A  
 Alma, WV 26320

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

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

\*Please attach additional forms if necessary

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

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

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Name: Terry & Teresa Jackson  
Address: HC 62 Box 22A  
Alma, WV 26320

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: Terry & Teresa Jackson  
Address: HC 62 Box 22A  
Alma, WV 26320

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

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\*Please attach additional forms if necessary  
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WV Department of Environmental Protection

01/29/2016

WW-6A  
(8-13)

API NO. 09502223  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

**Notice is hereby given by:**

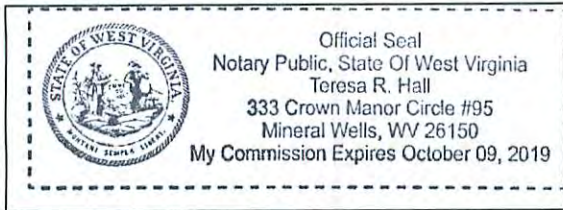
Well Operator: Jay Bee Oil & Gas, Inc.  
Telephone: (304) 628-3111  
Email: sdowell@jaybeoil.com



Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

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Subscribed and sworn before me this 19<sup>th</sup> day of Nov., 2014.  
Teresa R. Hall Notary Public  
My Commission Expires October 9<sup>th</sup> 2019

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

SURFACE OWNER(s)  
Name: Donald & Judith Lisby  
Address: 882 Big Run Rd.  
Alma, WV 26320

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: Donald & Judith Lisby  
Address: 882 Big Run Rd.  
Alma, WV 26320

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

\*Please attach additional forms if necessary

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API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

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

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

SURFACE OWNER(s) (Road and/or Other Disturbance)  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

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

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
 Name: Donald & Judith Lisby  
 Address: 882 Big Run Rd.  
Alma, WV 26320

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

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

RECEIVED  
 Office of Oil & Gas  
 \*Please attach additional forms if necessary  
 NOV 20 2014

WV Department of Environmental Protection

01/29/2016



09502223

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

WW-6A  
(8-13)

**Notice is hereby given by:**

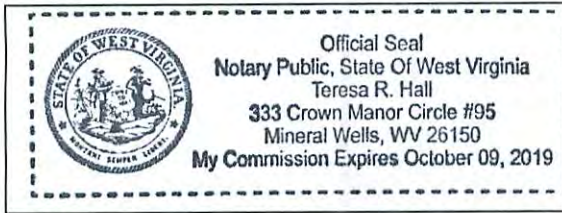
Well Operator: Jay Bee Oil & Gas, Inc.  
Telephone: (304) 628-3111  
Email: sdowell@jaybeeoil.com



Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

**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 19<sup>th</sup> day of Nov, 2014.  
Teresa R. Hall Notary Public  
My Commission Expires October 9<sup>th</sup> 2019

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Environmental Protection

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(9-13)

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Well Pad Name: T1-03

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: 11-19-2014 Date Permit Application Filed: 12-1-2014

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: \_\_\_\_\_

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

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

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

SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Jack F. & Roberta A. Starcher  
Address: HC62 Box 21  
Alma WV 26320

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

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

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

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Well Pad Name: T1-03

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

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

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

COAL OWNER OR LESSEE

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

COAL OPERATOR

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

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Name: Jack F. & Roberta A. Starcher  
Address: HC62 Box 21  
Alma, WV 26320

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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Well Pad Name: T1-03

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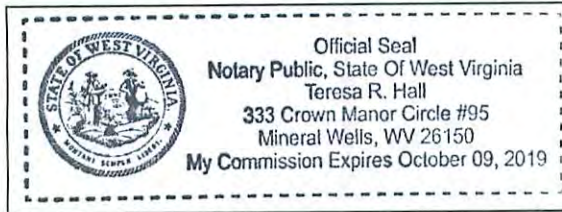
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Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

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

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

COAL OWNER OR LESSEE

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

COAL OPERATOR

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

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

Name: Mark L. & Mitchell Nichols  
Address: 23 Big Run Rd.  
Alma WV 26320

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

\*Please attach additional forms if necessary

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WV Department of Environmental Protection

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(8-13)

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API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
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Well Pad Name: T1-03

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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) 629-3119

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

COAL OWNER OR LESSEE

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

COAL OPERATOR

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

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

Name: William G. Wright  
Address: 1169 Indian Creek Rd.  
Alma WV 26320

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

\*Please attach additional forms if necessary

Office of Oil and Gas

DEC 03 2014

WV Department of  
Environmental Protection

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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: William G. Wright  
Address: 1169 Indian Creek Rd.  
Alma, WV 26320

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

**Received**

\*Please attach additional forms if necessary

Office of Oil & Gas  
Office of Oil and Gas  
NOV 20 2014

DEC 03 2014

WW-6A  
(8-13)

09502223  
API NO. 47-

OPERATOR WELL NO. T1-03-1A

Well Pad Name: T1-03

**Notice is hereby given by:**

Well Operator: Jay Bee Oil & Gas, Inc.

Telephone: (304) 628-3111

Email: sdowell@jaybeoil.com



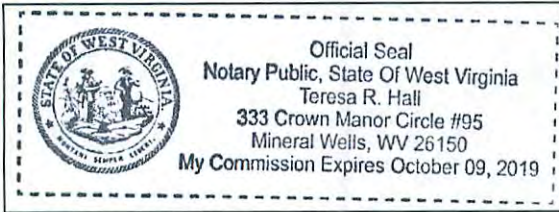
Address: 3570 Shields Hill Rd

Cairo, WV 26337

Facsimile: (304) 629-3119

**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 19<sup>th</sup> day of Nov., 2014.

Teresa R. Hall

Notary Public

My Commission Expires October 9<sup>th</sup> 2019

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Office of Oil and Gas

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Office of Oil & Gas

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WV Department of  
Environmental Protection

01/29/2016



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(9-13)

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API NO. 47-  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

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: 11-19-2014 Date Permit Application Filed: 12-1-2014

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.

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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: Arthur T. & Lois J. Bloom  
Address: 193 Gentech Ridge  
Wellsburg WV 26070

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

RECEIVED  
Office of Oil and Gas  
\*Please attach additional forms if necessary

DEC 03 2014



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

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

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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: 193 Gentech Ridge  
Wellsburg, WV 26070

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

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

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Office of Oil & Gas

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Office of Oil and Gas  
NOV 20 2014

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(8-13)

09502223

API NO. 47- -  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

**Notice is hereby given by:**

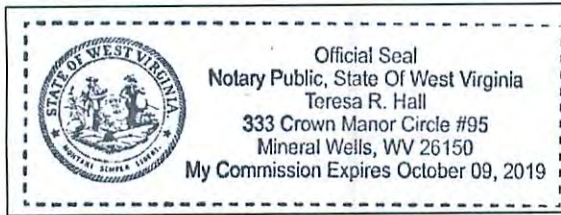
Well Operator: Jay Bee Oil & Gas, Inc.  
Telephone: (304) 628-3111  
Email: sdowell@jaybeoil.com



Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

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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 [deprivacyofficer@wv.gov](mailto:deprivacyofficer@wv.gov).



Subscribed and sworn before me this 19<sup>th</sup> day of Nov, 2014.  
Teresa B. Hall Notary Public  
My Commission Expires October 9<sup>th</sup> 2019

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Office of Oil and Gas  
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WV Department of  
Environmental Protection

01/29/2016

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API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

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

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**Date of Notice:** 11-19-2014 **Date Permit Application Filed:** 12-1-2014

Notice of:

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SURFACE OWNER(s)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

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

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

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

SURFACE OWNER(s) (Road and/or Other Disturbance)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Mark & Sherry Frey  
Address: HC62 Box 40 E  
Alma WV 26320

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

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

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

RECEIVED  
\*Please attach additional forms if necessary  
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API NO. 47- \_\_\_\_\_  
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Environmental Protection


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OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

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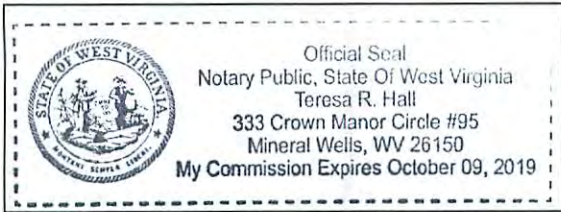
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RECEIVED                      Received  
Office of Oil and Gas      Office of Oil & Gas  
DEC 02 2014                      NOV 20 2014

WV Department of  
Environmental Protection

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

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)  
Name: Edward W. Jr. & Mary Frances  
Address: 22nd St. EXT  
Wellsburg WV 26070

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

OPERATOR OF ANY NATURAL GAS STORAGE FIELD  
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- 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: Edward W. Jr. & Mary Frances  
Address: 22nd St. EXT  
Wellsburg, WV 26070

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

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\*Please attach additional forms if necessary

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WW-6A  
(8-13)

09502223  
API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. T1-03-1A  
Well Pad Name: T1-03

**Notice is hereby given by:**

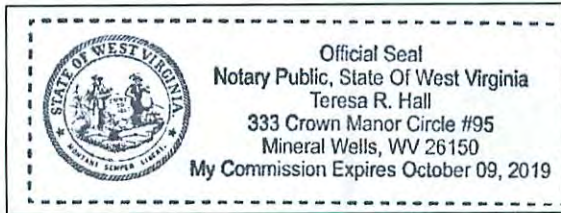
Well Operator: Jay Bee Oil & Gas, Inc.  
Telephone: (304) 628-3111  
Email: sdowell@jaybeeoil.com



Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

**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 19<sup>th</sup> day of Nov., 2014.  
Teresa R. Hall Notary Public  
My Commission Expires October 9<sup>th</sup> 2019

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Topo Water Well Reference

<i>Reference</i>	<i>Map</i>	<i>Parcel</i>	<i>First</i>	<i>Surname</i>	<i>Address</i>	<i>City</i>	<i>State</i>	<i>Zip</i>
1	5	15	Edsel	Hoover et al.	123 E Adams St.	Paden City	WV	26169
2	5	15	Terry & Teresa	Jackson	493 Big Run Rd.	Alma	WV	26320
3	10	4	Donald J. & Judith A.	Lisby	882 Big Run Rd.	Alma	WV	26320
4	11	49	Mark L. & Mitchell	Nichols	23 Big Run Rd.	Alma	WV	26320
5	10	2	Jack F. & Roberta A.	Starcher	HC62 Box 21	Alma	WV	26320
6	10	47	William G.	Wright	1169 Indian Creek Rd.	Alma	WV	26320
7	10	42,43	Arthur T. & Lois J.	Bloom	193 Gentech Ridge	Wellsburg	WV	26070
8	10	41	Mark & Sherry	Frey	HC62 Box 40 E	Alma	WV	26320
9	10	40	Edward W. Jr. & Mary	Frances	22nd St. EXT	Wellsburg	WV	26070

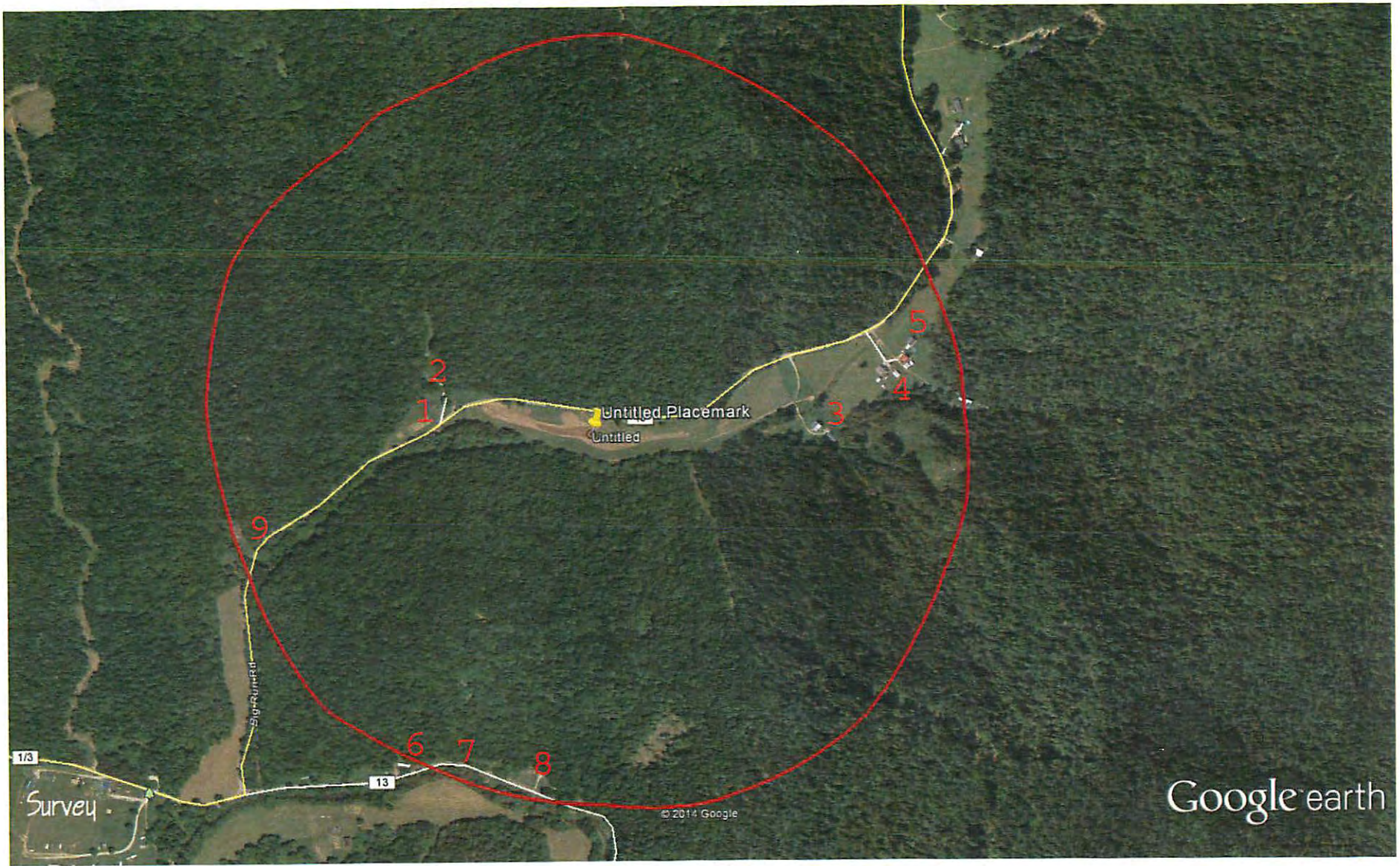
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WW-2B1

Well No. T1-03-1A

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:

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

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.

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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

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
- 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: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159

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

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

COAL OWNER OR LESSEE

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

MINERAL OWNER(s)

Name: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159

\*please attach additional forms if necessary

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Office of Oil & Gas  
NOV 20 2014

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: 4,366,590.14 x 517,033.55  
Public Road Access: Big Run Rd (CR40)  
Watershed: Big Run Creek  
Generally used farm name: Edsel Hoover Jr. et al

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@jaybeeoil.com

Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

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).

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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

**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
- 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: Terry & Teresa Jackson  
Address: HC 62 Box 22A  
Alma, WV 26320

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

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

- COAL OWNER OR LESSEE

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

- MINERAL OWNER(s)

Name: Terry & Teresa Jackson  
Address: HC 62 Box 22A  
Alma, WV 26320

\*please attach additional forms if necessary

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NOV 20 2014

**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: 4,366,590.14 x 517,033.55  
 Public Road Access: Big Run Rd (CR40)  
 Watershed: Big Run Creek  
 Generally used farm name: Edsel Hoover Jr. et al

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@jaybeeoil.com

Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

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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).

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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

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
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.

Notice is hereby provided to:

SURFACE OWNER(s)
Name: Donald & Judith Lisby
Address: 882 Big Run Rd.
Alma, WV 26320

COAL OWNER OR LESSEE
Name:
Address:
MINERAL OWNER(s)
Name: Donald & Judith Lisby
Address: 882 Big Run Rd.
Alma, WV 26320

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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:

Table with 2 columns: Field (State, County, District, Quadrangle, Approx. Latitude & Longitude, Public Road Access, Watershed, Generally used farm name) and Value (West Virginia, Tyler, McElroy, Shirley 7.5, 4,366,590.14 x 517,033.55, Big Run Rd (CR40), Big Run Creek, Edsel Hoover Jr. et al)

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 57th 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.

Notice is hereby given by:

Well Operator: Jay-Bee Oil & Gas, Inc
Telephone: 304-628-3111
Email: scdowell@jaybeeoil.com
Address: 3570 Shields Hill Rd
Cairo, WV 26337
Facsimile: (304) 629-3119

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**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:** 11/19/2014      **Date Permit Application Filed:** 12/01/2014

09502223

**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: Donalyd & Judith Lisby  
Address: 882 Big Run Rd.  
Alma, WV 26320

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:

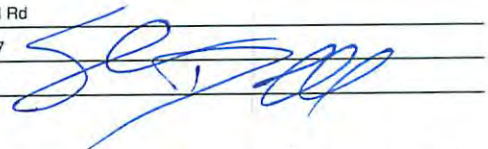
State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>517033.6</u>
County: <u>Tyler</u>		Northing: <u>4366589.8</u>
District: <u>McElroy</u>	Public Road Access: <u>Big Run Rd (CR40)</u>	
Quadrangle: <u>Shirley 7.5</u>	Generally used farm name: <u>Edsel Hoover Jr. et al</u>	
Watershed: <u>Big Run Creek</u>		

**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  
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**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:** 11/19/2014      **Date Permit Application Filed:** 11/19/2014

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

- CERTIFIED MAIL                                       HAND  
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: Donalyd & Judith Lisby  
Address: 882 Big Run Rd.  
Alma, WV 26320

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	Eastings:	<u>517033.6</u>
County:	<u>Tyler</u>		Northing:	<u>4366589.8</u>
District:	<u>McElroy</u>	Public Road Access:	<u>Big Run Rd (CR40)</u>	
Quadrangle:	<u>Shirley 7.5</u>	Generally used farm name:	<u>Edsel Hoover Jr. et al</u>	
Watershed:	<u>Big Run 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) 629-3119

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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:** 11/19/2014 **Date Permit Application Filed:** 11/19/2014

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

- CERTIFIED MAIL  
RETURN RECEIPT REQUESTED
- HAND  
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: Terry & Teresa Jackson  
Address: HC 62 Box 22A  
Alma, WV 26320

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:	West Virginia	UTM NAD 83	Easting:	517033.6
County:	Tyler		Northing:	4366589.8
District:	McElroy	Public Road Access:	Big Run Rd (CR40)	
Quadrangle:	Shirley 7.5	Generally used farm name:	Edsel Hoover Jr. et al	
Watershed:	Big Run Creek			

**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@jaybeoil.com

Address: 3570 Shields Hill Rd  
Cairo, WV 26337  
Facsimile: (304) 629-3119

**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).

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Environmental Protection

01/29/2016



09502223

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:** 11/19/2014 **Date Permit Application Filed:** 12/01/2014

**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: Edsel Hoover Jr. ET AL  
Address: 123 E. Adams St  
Paden City, WV 26159

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:	West Virginia	UTM NAD 83 Easting:	517033.6
County:	Tyler	UTM NAD 83 Northing:	4366589.8
District:	McElroy	Public Road Access:	Big Run Rd (CR40)
Quadrangle:	Shirley 7.5	Generally used farm name:	Edsel Hoover Jr. et al
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Well Operator: Jay-Bee Oil & Gas, Inc  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

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Facsimile: (304) 629-3119

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Environmental Protection

01/29/2016



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:** 11/19/2014 **Date Permit Application Filed:** 11/19/2014

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

- CERTIFIED MAIL  HAND
- RETURN RECEIPT REQUESTED DELIVERY

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Name: Edsel Hoover Jr. ET AL  
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Paden City, WV 26159

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

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Well Operator: Jay-Bee Oil & Gas, Inc  
Telephone: 304-628-3111  
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Address: 3570 Shields Hill Rd  
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Facsimile: (304) 629-3119

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WV Department of  
Environmental Protection

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Office of Oil & Gas

NOV 20 2014





09502223

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

November 19, 2014

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  
T1-03-1A well site

Dear Dr. 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,

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

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## **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 & Gas  
NOV 20 2014

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

01/29/2016





West Virginia  
 State Plane  
 NAD '83  
 North Zone  
 RTM GPS

# DONALD LISBY AS-BUILT WELL PAD (T1-03)

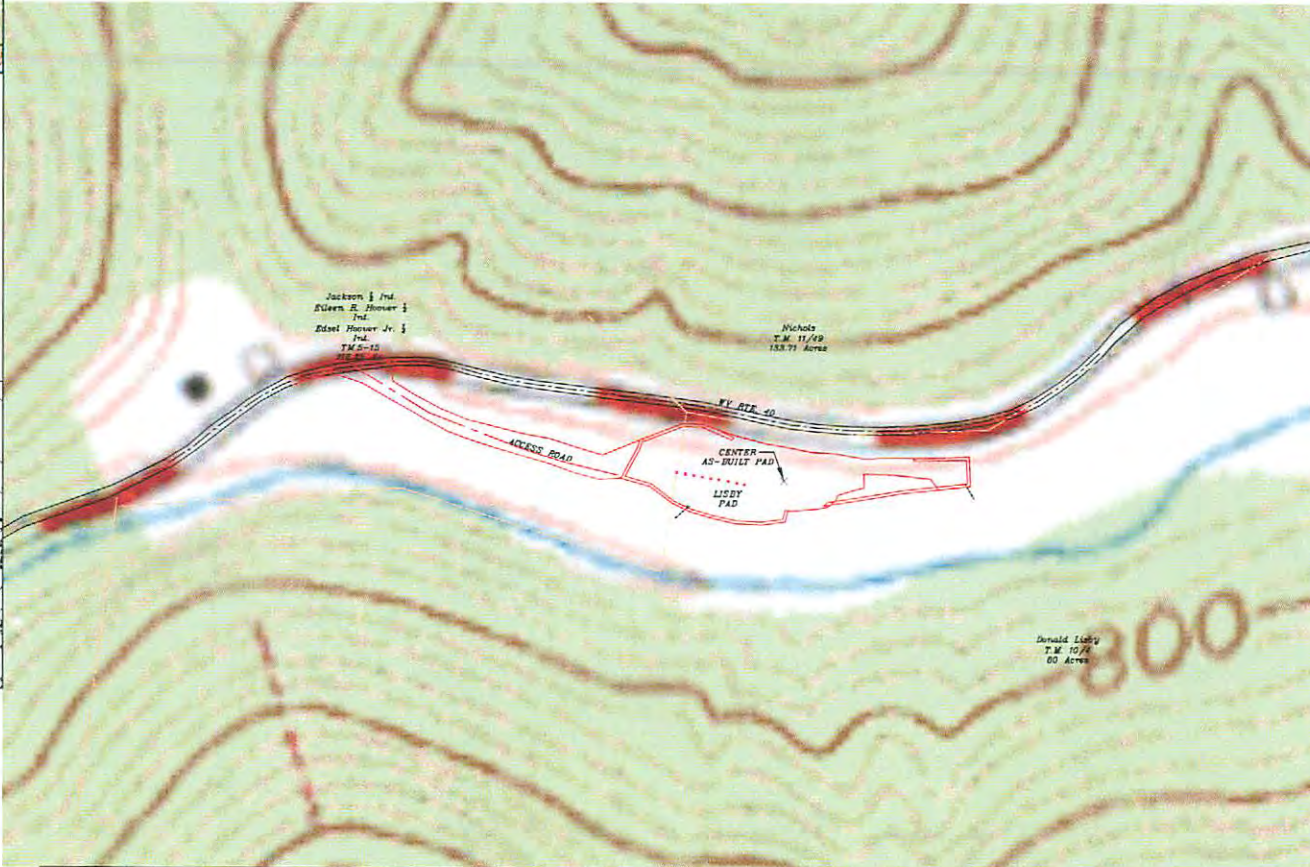
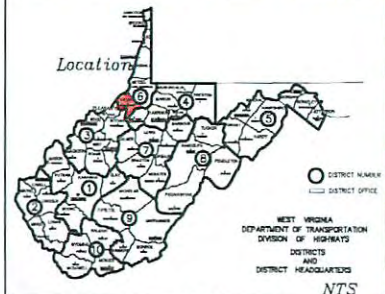
McElroy District, Tyler County, WV  
 Prepared for JAY BEE OIL & GAS

Date: November 14, 2014

**WVDEP OOG  
 ACCEPTED AS-BUILT**

8/04/2015

Sheet	Description
1	COVER
2	PAD PLAN
3	ROAD PLAN & PROFILE
4	DETAILS



**CENTER PAD (AS-BUILT)**  
 UTM (meters)  
 4366586.1 N  
 517090.6 E

**CENTER PERMIT PAD**  
 Geographic NAD 27  
 Latitude: 39.448587  
 Longitude: 80.801969

Geographic NAD 83  
 Latitude: 39.448667  
 Longitude: 80.801796

**CENTER ROAD INT.**  
 Geographic NAD 27  
 Latitude: 39.449101  
 Longitude: 80.804227

Geographic NAD 83  
 Latitude: 39.449181  
 Longitude: 80.804054

- API #s**
- 47-095-095-02094 (Elev.: 722.6')
  - 47-095-9502092 (Elev.: 722.9')
  - 47-095-9502091 (Elev.: 722.6')
  - 47-095-9502093 (Elev.: 722.5')

Rev. 02/03/15: This revision was for comments from the DEP dated 07/14/15 and may not reflect field conditions to date.

**WEST VIRGINIA 811**

CALL BEFORE YOU DIG!

Dial 811 or  
 800.245.4848  
 www.WV811.com



This well pad was designed by Fisher Engineering and constructed by Jay Bee Oil & Gas. This certification is for the as-built survey of the pad and road to show the well location(s), pad geometry, road location, culvert location, drainage features and erosion & sediment control.

Dennis L. Fisher RPE 8884  
 02/03/15 Date

0 50' 100' 200'  
 Scale: 1" = 100'

**DLF.**  
 Dennis L. Fisher, RPE  
 PO Box 281  
 Philippi, WV 26416  
 Cell: 304-677-4129  
 E-Mail: Fisher.Engineering@gmz.com



**Jackson Surveying Inc.**

Cover  
 Sheet 1 of 4  
**LISBY PAD AS-BUILT**



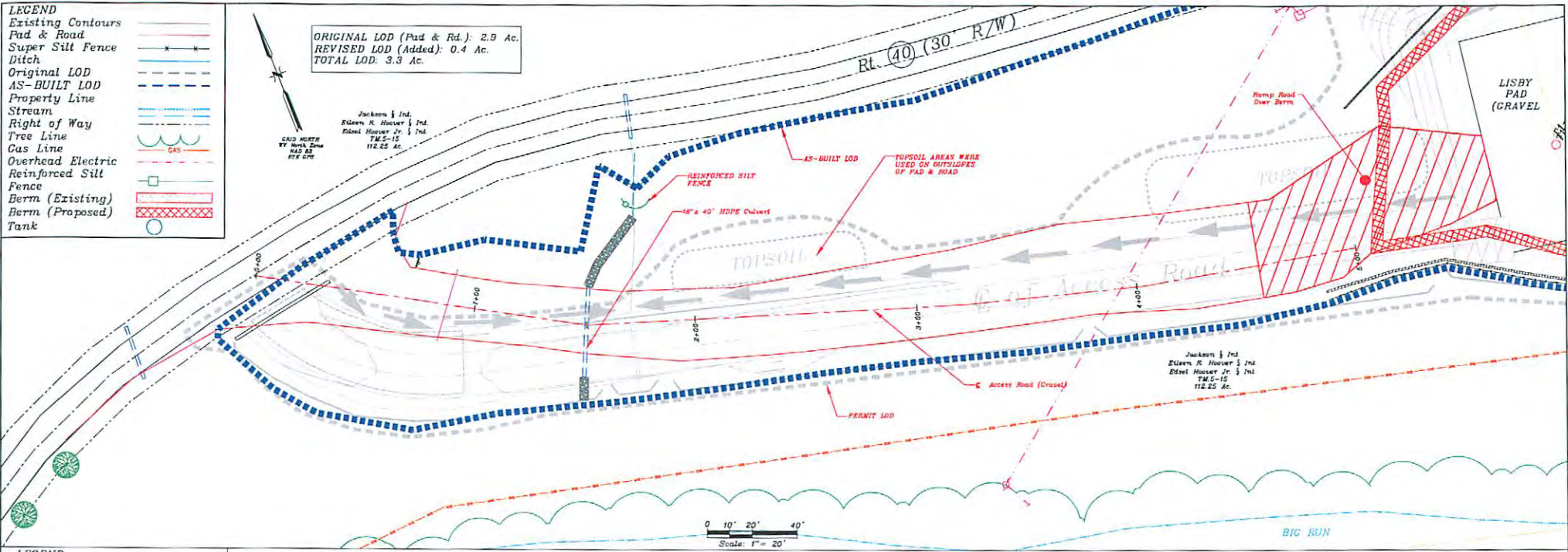


- LEGEND**
- Existing Contours
  - Pad & Road
  - Super Silt Fence
  - Ditch
  - Original LOD
  - AS-BUILT LOD
  - Property Line
  - Stream
  - Right of Way
  - Tree Line
  - Gas Line
  - Overhead Electric
  - Reinforced Silt Fence
  - Berm (Existing)
  - Berm (Proposed)
  - Tank

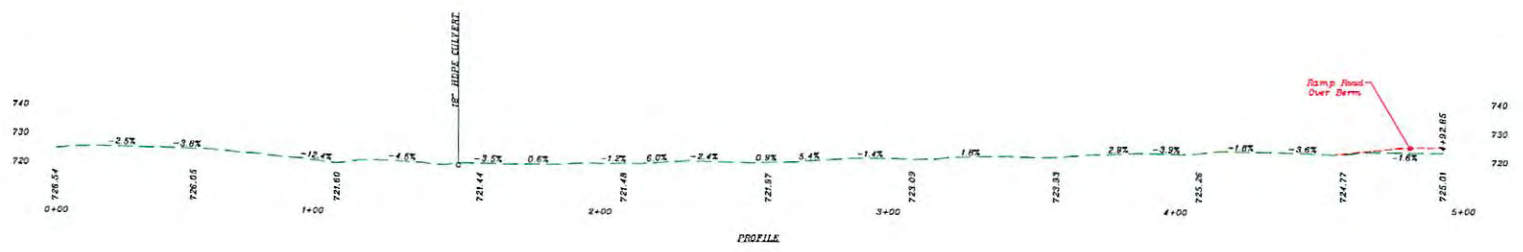
ORIGINAL LOD (Pad & Rd.): 2.9 Ac.  
 REVISED LOD (Added): 0.4 Ac.  
 TOTAL LOD: 3.3 Ac.

Jackson & Ind.  
 Eugene R. Hoover & Ind.  
 Edsel Hoover Jr. & Ind.  
 T.M.S.-15  
 112.25 Ac.

GRID NORTH  
 BY North Zone  
 NAD 83  
 NTF GPO



- LEGEND**
- Existing Grade



Vertical Scale: 1" = 20'  
 Horizontal Scale: 1" = 20'



**WVDEP OOG  
 ACCEPTED AS-BUILT**

*WJL* 8/04/2015

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



*Jackson Surveying Inc.*

Road Plan & Profile  
 Sheet 3 of 4  
 LISBY PAD AS-BUILT

677 W. Mah St.  
 Clerkburg, Wv 26031  
 304-623-5851



**LEGEND**

- Existing Contours
- Pad & Road
- Super Silt Fence
- Ditch
- Original LOD
- As-Built LOD
- Property Line
- Stream
- Right of Way
- Tree Line
- Gas Line
- Overhead Electric
- Reinforced Silt
- Fence
- Berm (Existing)
- Berm (Proposed)
- Tank

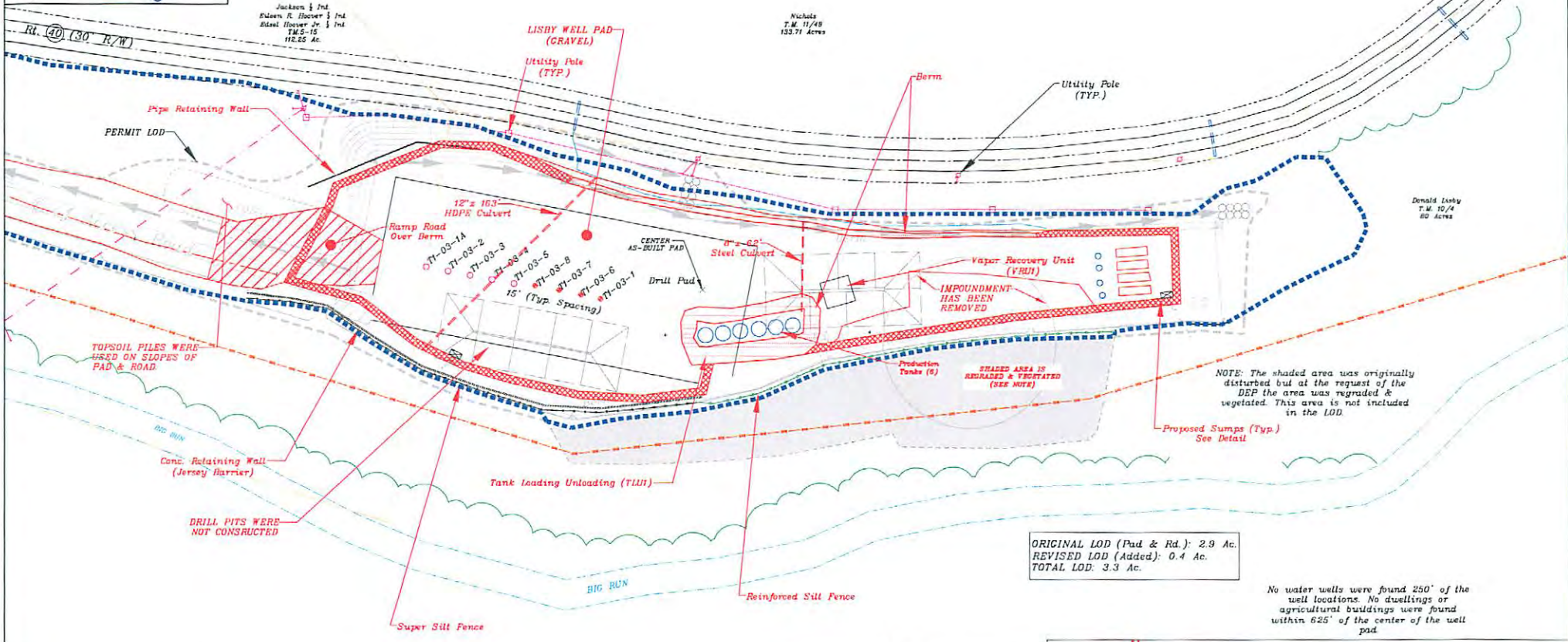
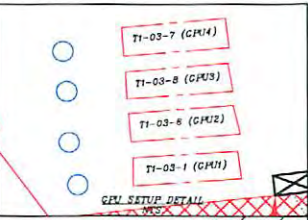
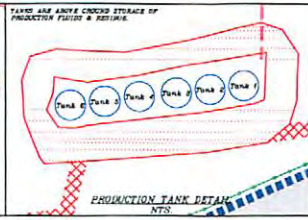
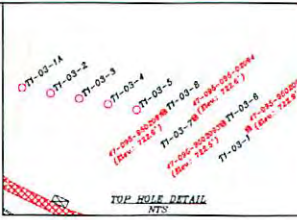


**Production Tank Locations (UTM)**

	Northing	Easting
#1	436670.020	51709.320
#2	436678.360	51709.800
#3	436678.114	517102.240
#4	436677.630	517098.470
#5	436677.070	517094.910
#6	436676.510	517091.350

**WVDEP OOG  
ACCEPTED AS-BUILT**

*WJL* 8/04/2016



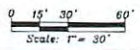
TOPSOIL PILES WERE  
ERECT ON SLOPES OF  
PAD & ROAD

DRILL PITS WERE  
NOT CONSTRUCTED

NOTE: The shaded area was originally  
disturbed but at the request of the  
DEP the area was regraded &  
vegetated. This area is not included  
in the LOD.

ORIGINAL LOD (Pad & Rd): 2.9 Ac.  
REVISED LOD (Added): 0.4 Ac.  
TOTAL LOD: 3.3 Ac.

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



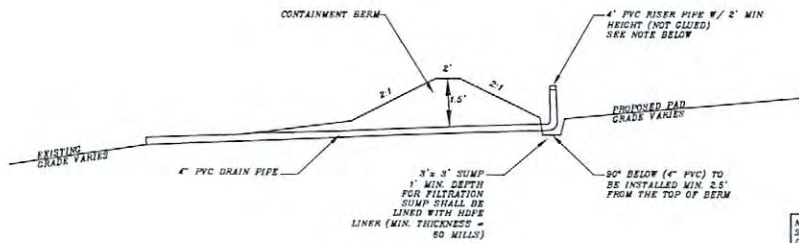
**DLF.**  
Dennis L. Fisher, RPE  
PO Box 281  
Philippi, WV 26416  
Cell: 304-677-4129  
E-Mail: Fisher.Engineering@gmail.com



*Jackson Surveying Inc.*

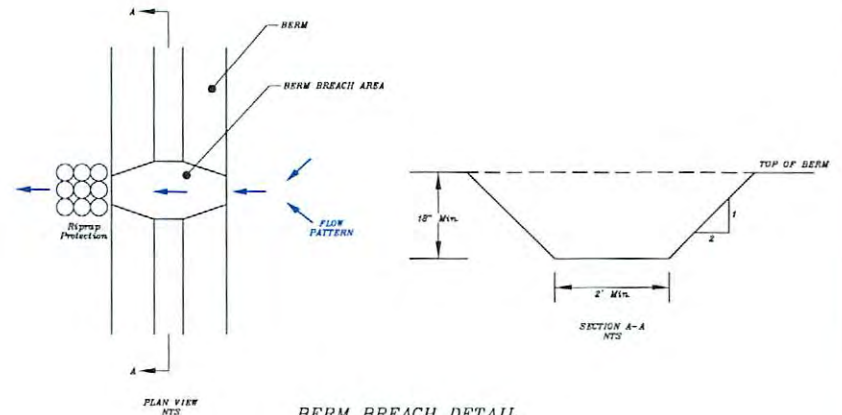
Pad Plan  
Sheet 2 of 4  
**LISBY PAD AS-BUILT**

677 W. Main St.  
Clarksburg, WV 26301  
304-623-5851



**BERM TYPICAL**  
(NTS)

NOTE: THE SUMP RISER PIPE SHALL BE IN PLACE DURING DRILLING OPERATIONS TO INSURE A GRID SURCHARGE. IF NO DRILLING ACTIVITY IS CONDUCTED, THE RISER MAY BE REMOVED.



**BERM BREACH DETAIL**

**PERMANENT SEED CHART**

Species/Notes	Seeding Rate (lb/acre)	Soil Drainage (A/B/C/D)	Site Factor
KY Bluegrass/ Ryegrass	20		
Ladino Clover or Bristlefoot Trifolium	2-10	Well - Mod. Well	5.5 - 7.5
Timothy	5		
Alfalfa	12	Well - Mod. Well	6.5 - 8.0
Timothy	5		
Bristlefoot Trifolium	5	Well - Poorly	5.5 - 7.5
Orchardgrass/ Ladino Clover/ Ryegrass	2	Well - Mod. Well	5.5 - 7.5
Orchardgrass/ Ryegrass	3		
Orchardgrass/ Ryegrass	10		
Ladino Clover	2	Well - Mod. Well	5.5 - 7.5
Orchardgrass/ Ryegrass	20		
Perennial Ryegrass	10	Well - Mod. Well	5.5 - 7.5
Orchardgrass or Kentucky Bluegrass	20	Well - Mod. Well	6.0 - 7.5
Bristlefoot Trifolium	12		
Ryegrass	5	Well - Mod. Well	5.5 - 7.5
Orchardgrass	20		
Ladino Clover/ Ryegrass	30		
Perennial Ryegrass	10	Well - Mod. Well	5.5 - 7.5
Ladino Clover/ Ryegrass	20		
Orchardgrass	20	Well - Mod. Well	5.5 - 7.5

Table IV-1 Recommended seeding dates for permanent and temporary cover unless otherwise specified.

Planting Dates	Suitability
March 1 - April 15 and August 1 - October 1	Best seeding periods
April 15 - August 1	HIGH RISK - moisture stress likely
October 1 - Dec 1	HIGH RISK - Freeze damage to young seedlings
Dec. 1 - March 1	Good seeding period. Dominant seeding.

Table 2. Acceptable fertilization recommendation in absence of a soil test.

Species	N (lb/acre)	P2O5 (lb/acre)	K2O (lb/acre)	Example Rec. (per acre)
Cool Season Grass	40	60	80	400 lbs. 10-20-20
CS Grass & Legume	30	60	60	300 lbs. 10-20-20
Temporary Cover	40	40	40	200 lbs. 19-19-19

Table 3. Temporary cover suitable for establishment in West Virginia.

Species	Seeding Rate (lb/acre)	Optimum Seeding Date	Drainage	pH Range
Annual Ryegrass	40	3/1 - 6/15 or 8/15 - 9/15	Well - Poorly	5.5 - 7.5
Field Bromegrass	40	3/1 - 6/15 or 8/15 - 9/15	Well - Mod. Well	6.0 - 7.0
Spring Oats	80	3/1 - 6/15	Well - Poorly	5.5 - 7.0
Studsgrass	40	5/15 - 6/15	Well - Poorly	5.5 - 7.5
Winter Rye	155	8/15 - 10/15	Well - Poorly	5.5 - 7.5
Winter Wheat	160	8/15 - 11/15	Well - Mod. Well	5.5 - 7.0
Japanese Millet	30	6/15 - 8/15	Well	4.5 - 7.0
Ryegrass	5	3/1 - 6/15	Well	4.0 - 7.5
Annual Ryegrass	25	3/1 - 6/15	Well - Poorly	5.5 - 7.5
Spring Oats	64	3/1 - 6/15	Well - Poorly	5.5 - 7.5

NOTE: These values should be increased by 50% if planted April 15 - August 1 and October 1 - March 1.

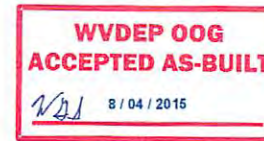
Table IV-5. Lime and Fertilizer Application Table

pH of Soil	Lime in Tons Per Acre	Fertilizer, lbs. per Acre	10-20-20 or Equivalent
Above 6.0	2	500	
5.0 to 6.0	3	500	
Below 5.0	4	500	

The pH can be determined with a portable pH testing kit or by sending the soil samples to a soil testing laboratory. After 4 days of time the pH will be adjusted if it must be incorporated into the soil by plowing, backhoeing or packing to the down and back.

Table IV-6. Mulch Materials Rates and Uses

Material	Minimum Rates Per Acre	Coverage	Remarks
Hay or Straw	2 to 3 Tons	Cover 75% to 90% of surface	Subject to Wind Blowing
Wood Chip	100 to 150 Bales	90% of surface	or washing unless laid down
Wood Fiber	1000 to 1500 lbs	Cover all	For Hydroseeding
Wood-Chip/Cellulose		Disturbed Areas	
Recirculated Paper			



D.L.F.  
Dennis L. Fisher, RPE  
PO Box 281  
Phillippi, WV 26416  
Cell: 304-677-4129  
E-Mail: Fisher.Engineering@gmx.com



Jackson Surveying Inc.  
Details  
Sheet 4 of 4  
LISBY PAD AS-BUILT

677 W. Main St.  
Clarksburg, Wv 26301  
304-623-5851

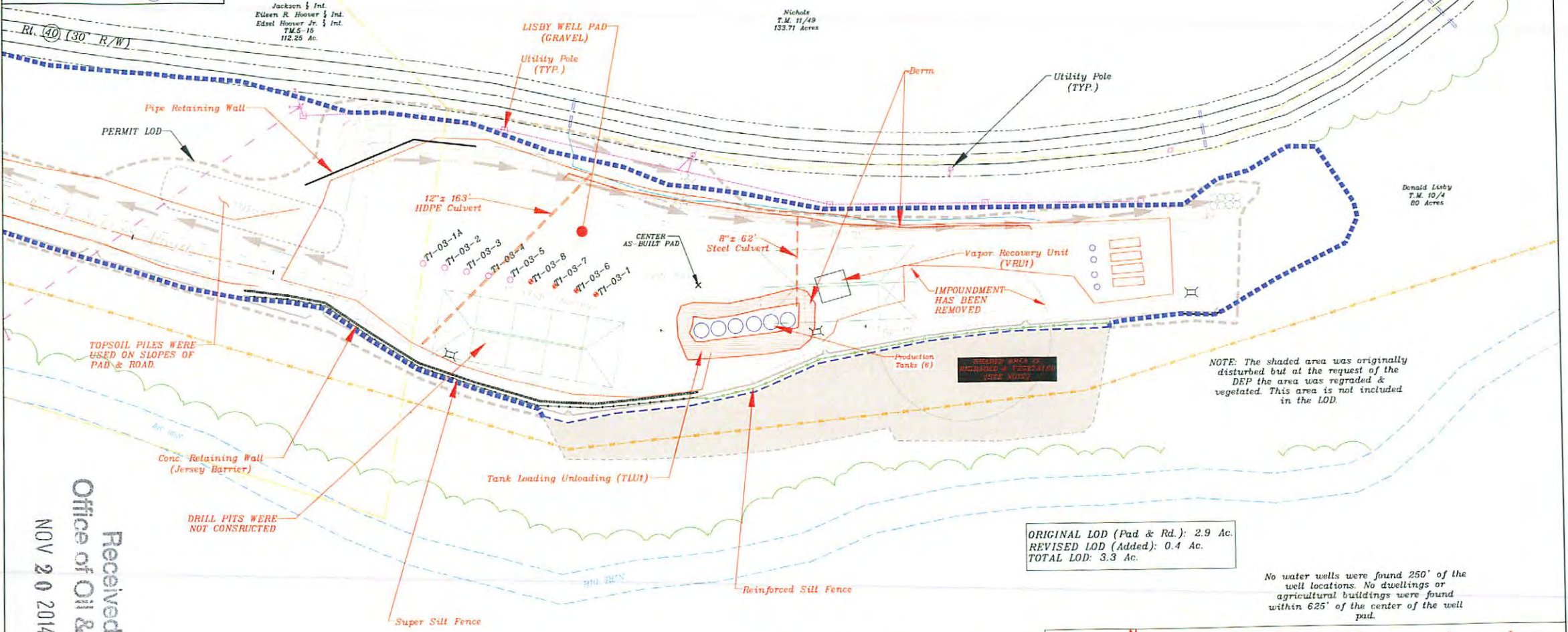
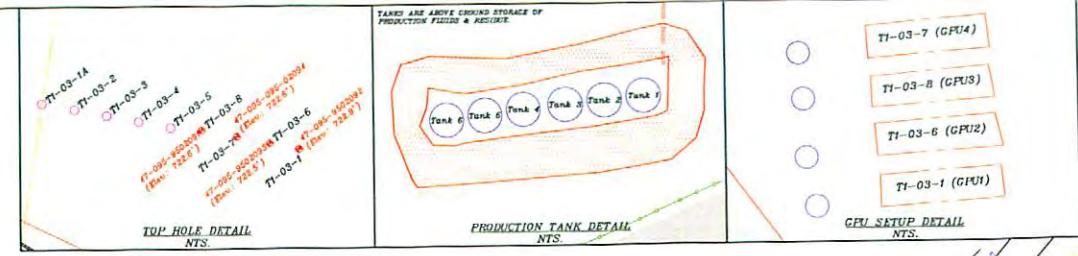


- LEGEND**
- Existing Contours
  - Pad & Road
  - Super Silt Fence
  - Ditch
  - Original LOD
  - As-Built LOD
  - Property Line
  - Stream
  - Right of Way
  - Tree Line
  - Gas Line
  - Overhead Electric
  - Reinforced Silt Fence
  - Berm
  - Tank



**Production Tank Locations (UTM)**

#	Northing	Easting
#1	4366579.003	517109.326
#2	4366578.540	517105.808
#3	4366578.114	517102.283
#4	4366577.630	517098.470
#5	4366577.071	517094.917
#6	4366576.619	517091.377

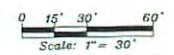


NOTE: The shaded area was originally disturbed but at the request of the DEP the area was regraded & vegetated. This area is not included in the LOD.

ORIGINAL LOD (Pad & Rd.): 2.9 Ac.  
 REVISED LOD (Added): 0.4 Ac.  
 TOTAL LOD: 3.3 Ac.

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

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**DLF.**  
 Dennis L. Fisher, RPE  
 PO Box 281  
 Philippi, WV 26416  
 Cell: 304-677-4129  
 E-Mail: Fisher.Engineering@gmx.com

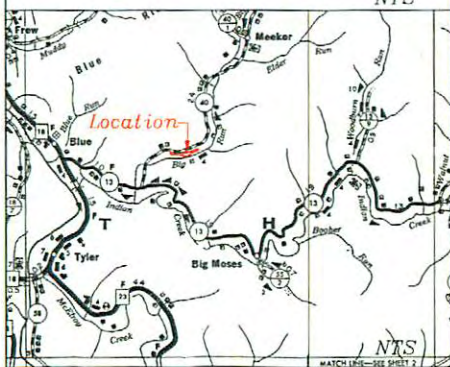
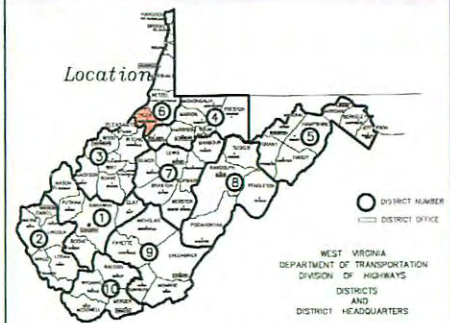
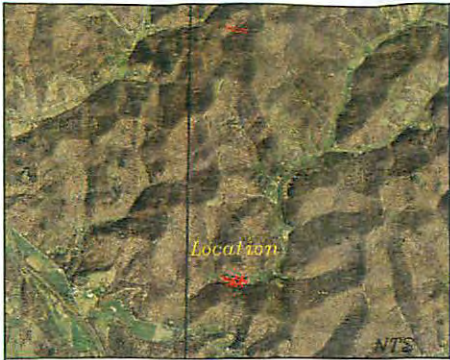


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Pad Plan  
 Sheet 2 of 3  
**LISBY PAD AS-BUILT**

09502223





# DONALD LISBY AS-BUILT WELL PAD (T1-03)

McElroy District, Tyler County, WV  
Prepared for JAY BEE OIL & GAS

Date: November 14, 2014

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 Office of Oil and Gas  
 DEC 02 2014  
 MWD Department of  
 Environmental Protection  
 West Virginia State  
 Plane  
 NAD '83  
 North Zone  
 RTK GPS

Sheet	Description
1	COVER
2	PAD PLAN
3	ROAD PLAN & PROFILE



**CENTER PAD (AS-BUILT)**  
 UTM (meters)  
 4366586.1 N  
 517090.6 E

**CENTER PERMIT PAD**  
 Geographic NAD 27  
 Latitude: 39.448587  
 Longitude: 80.801969

Geographic NAD 83  
 Latitude: 39.448667  
 Longitude: 80.801796

**CENTER ROAD INT.**  
 Geographic NAD 27  
 Latitude: 39.449101  
 Longitude: 80.804227

Geographic NAD 83  
 Latitude: 39.449181  
 Longitude: 80.804054

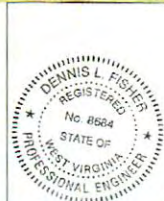
**API #s**

- 47-095-095-02094  
(Elev.: 722.6')
- 47-095-9502092  
(Elev.: 722.9')
- 47-095-9502091  
(Elev.: 722.6')
- 47-095-9502093  
(Elev.: 722.5')



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



This well pad was designed by Fisher Engineering and constructed by Jay Bee Oil & Gas. This certification is for the as-built survey of the pad and road to show the well location(s), pad geometry, road location, culvert location, drainage features and erosion & sediment control.

Dennis L. Fisher RPE 8884  
 Date: 11-13-2014

0 50' 100' 200'  
 Scale: 1" = 100'

DLF.  
 Dennis L. Fisher, RPE  
 PO Box 281  
 Philippi, WV 26416  
 Cell: 304-677-4129  
 E-Mail: Fisher.Engineering@gmx.com



Jackson Surveying Inc.

Cover  
 Sheet 1 of 3  
**LISBY PAD AS-BUILT**

09502223



- LEGEND**
- Existing Contours
  - Pad & Road
  - Super Silt Fence
  - Ditch
  - Original LOD
  - AS-BUILT LOD
  - Property Line
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  - Tree Line
  - Gas Line
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  - Berm
  - Tank

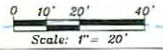
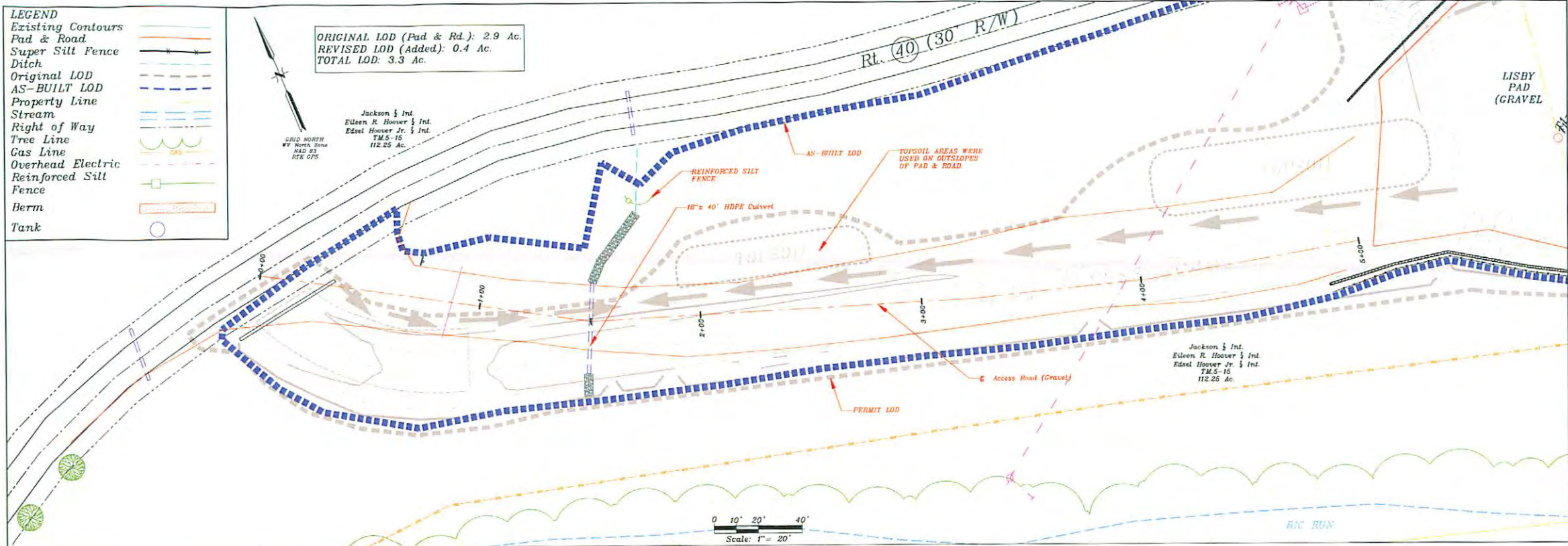
ORIGINAL LOD (Pad & Rd.): 2.9 Ac.  
 REVISED LOD (Added): 0.4 Ac.  
 TOTAL LOD: 3.3 Ac.

GRID NORTH  
 NAD 83  
 RTK OPS

Jackson & Int.  
 Eileen R. Hoover & Int.  
 Edsel Hoover Jr. & Int.  
 T.M.S-15  
 112.25 Ac.

Jackson & Int.  
 Eileen R. Hoover & Int.  
 Edsel Hoover Jr. & Int.  
 T.M.S-15  
 112.25 Ac.

LISBY  
 PAD  
 (GRAVEL)



- LEGEND**
- Existing Grade



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 PO Box 281  
 Philippi, WV 26416  
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 E-Mail: Fisher.Engineering@gmx.com



*Jackson Surveying Inc.*  
 Road Plan & Profile  
 Sheet 3 of 3  
 LISBY PAD AS-BUILT

09502223