



west virginia department of environmental protection

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 11, 2013

WELL WORK PERMIT

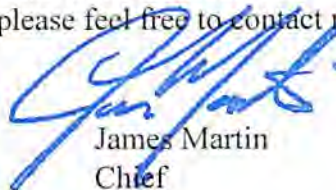
Horizontal 6A Well

This permit, API Well Number: 47-9502081, 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 of completion of drilling, 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: W701-8

Farm Name: PHYLLIS KAY STEVENS, ET AL

API Well Number: 47-9502081

Permit Type: Horizontal 6A Well

Date Issued: 01/11/2013

Promoting a healthy environment.

11/07/2025

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

1. 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 fifty (50) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
2. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the fill material shall be within plus or minus 2% (unless soil test results show a greater range of moisture content is appropriate and 95% compaction can still be achieved) of the optimum moisture content as determined by the standard proctor density test, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort. Each lift must meet 95 % compaction of the optimum density based on results from the standard proctor density test of the actual soils used in specific engineered fill sites. 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.
3. 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.
4. 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.
5. 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.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
W.VA. CODE §22-6A - WELL WORK PERMIT APPLICATION

1) Well Operator: Jay-Bee Oil & Gas Inc 24610 095-Tyler 02-McElroy Centerpoint 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: W701-8 / Ketel Eight Well Pad Name: W701 / Ketel

3 Elevation, current ground: 805' Elevation, proposed post-construction: 805'

4) Well Type: (a) Gas ☒ Oil ☒
Other _____
(b) If Gas: Shallow ☒ Deep _____
Horizontal ☒

5) Existing Pad? Yes or No: No Yes LCC

6) Proposed Target Formation(s), Depth(s), Anticipated Thicknesses and Associated Pressure(s):
Marcellus, Target Depth 7,250', Total Depth 13,500'

7) Proposed Total Vertical Depth: 7,250'

8) Formation at Total Vertical Depth: Marcellus

9) Proposed Total Measured Depth: 13,500'

10) Approximate Fresh Water Strata Depths: 60'

11) Method to Determine Fresh Water Depth: Previous Drilled Well TYL-132-P

12) Approximate Saltwater Depths: 1348'

13) Approximate Coal Seam Depths: 400-402'

14) Approximate Depth to Possible Void (coal mine, karst, other): None ✓

15) Does land contain coal seams tributary or adjacent to, active mine? No

16) Describe proposed well work: Drill and Stimulate a new Horizontal Well.

17) Describe fracturing/stimulating methods in detail:

300-350' per stage 8,500bbls of water (7732-18-5), 150,000-400,000lbs of sand (14808-60-7),

friction reducer (64742-47-8) 1# per gallon, scale inhibitor (107-21-1 & 10043-52-4),

bacteria prevention (111-30-8, 7173-51-5, 68424-85-1, & 64-17-5) 1/4# per gallon, and 2000 gallons 15% vol acid (7647-01-0).

CAS Numbers are in parentheses.

18) Total area to be disturbed, including roads, stockpile area, pits, etc, (acres):

2.75 acres

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

.28 acres

[Signature]
6-27-12

[Signature]
11-15-12

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20)

CASING AND TUBING PROGRAM

TYPE	Size	New or Used	Grade	Weight per ft.	FOOTAGE: For Drilling	INTERVALS: Left in Well	CEMENT: Fill -up (Cu. Ft.)
Conductor	16	New	J55	40	30	30	10 SKS
Fresh Water	11 3/4	New	J55	32	300	300	CTS +25%
Coal							
Intermediate	8 5/8	New	J55	24	2,000	2,000	CTS +15%
Production	5 1/2	New	P110	17	13,500	13,500	Cement up to 1000' From Surface
Tubing							
Liners							

TYPE	Size	Wellbore Diameter	Wall Thickness	Burst Pressure	Cement Type	Cement Yield
Conductor	16	17 1/2	.495	3,000#	Class A Cement	1.19CF per Sack
Fresh Water	11 3/4	15	.333	1,500#	Class A Cement	1.19CF per Sack
Coal						
Intermediate	8 5/8	11	.264	2,500#	Class A Cement	1.19CF per Sack
Production	5 1/2	7 7/8	.304	15,000#	Type 1 Cement	1.19CF per Sack
Tubing						
Liners						

PACKERS

Kind:	N/A			
Sizes:				
Depths Set:				

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21) 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.

Surface Casing 11 3/4", 1st joint from bottom, 200', & 50' Bow Centralizers.

22) Describe all cement additives associated with each cement type.

Superior Well Services - 15" hole for the 11 3/4 fresh water case, Class A Cement, 2% Calcium Chloride, 1/4# flake.

Superior Well Services - 11" hole for the 8 5/8 intermediate base, Class A Cement, 2% Calcium Chloride, 1/4# Super Flake, No Foam, Bentonite Super Flake

Baker Hughes - 7 7/8" hole for the 5 1/2 production case, Type 1 Cement, Fly Ash, Barite, Finetol-300L, R-3 Cello Flake, Sugar, CD-32, FL-62

23) 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.

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.

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95-02081

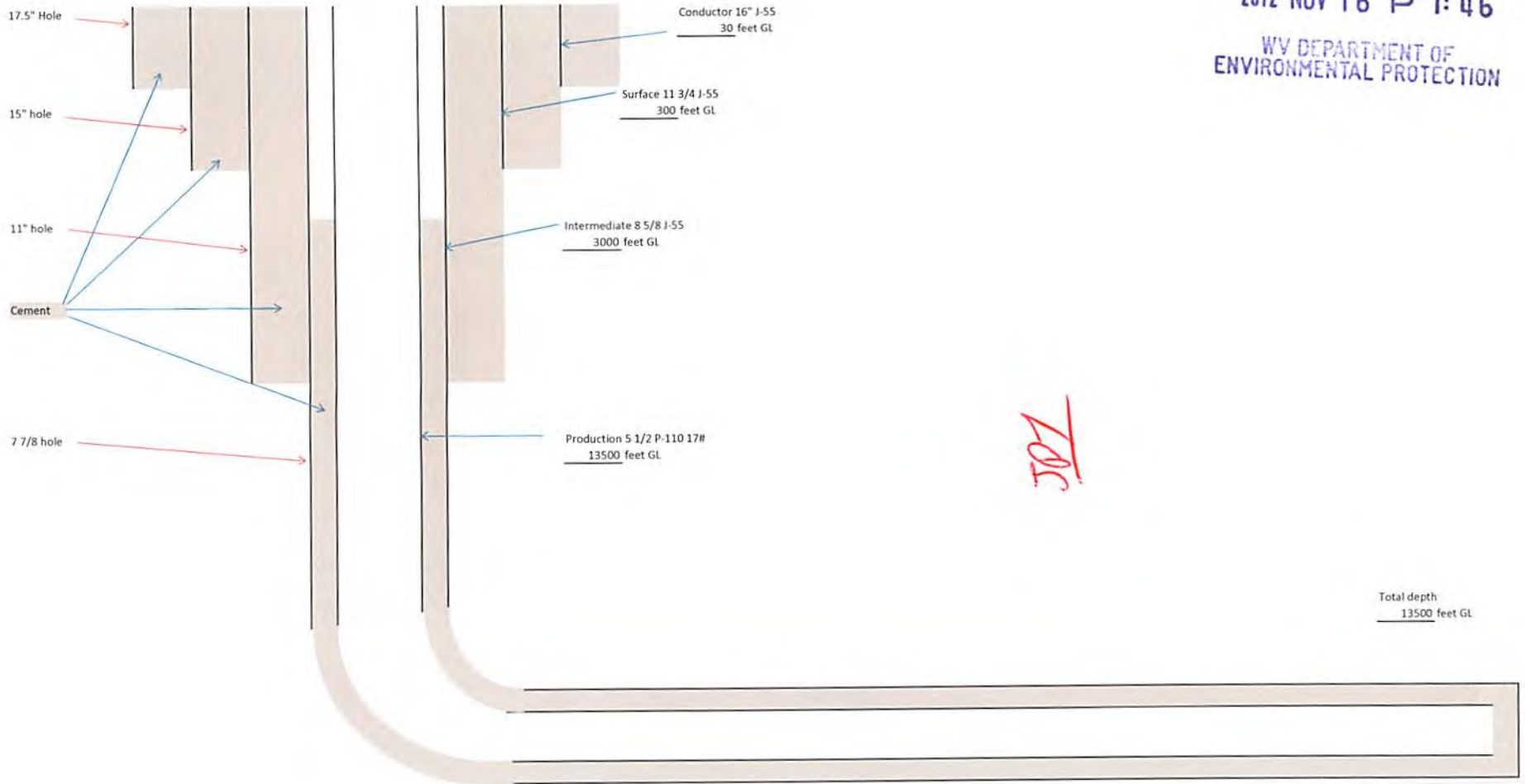
Jay-Bee Oil & Gas Inc.
Well Name W704-8 / Ketel Eight
GL Elevation 805
KB 14 feet

Date
District
County
State

3/1/2012
McElroy
Tyler
West Virginia

Input by: Shane Dowell

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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
CONSTRUCTION AND RECLAMATION PLAN AND SITE REGISTRATION APPLICATION FORM
GENERAL PERMIT FOR OIL AND GAS PIT WASTE DISCHARGE

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

Watershed Indian Creek Quadrangle Centerpoint 7.5'

Elevation 805' County 095-Tyler District 02-McElroy

Description of anticipated Pit Waste: Drill Water and Various Formation Cuttings

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

Will a synthetic liner be used in the pit? Yes . If so, what mil.? 30Mil

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- ☒ Underground Injection (UIC Permit Number 2d0857652, drilling fluid)
 - ☒ Reuse (at API Number other wells on same location)
 - Off Site Disposal (Supply form WW-9 for disposal location)
 - Other (Explain)

Drilling medium anticipated for this well? Air, freshwater, oil based, etc. Brine Base Drilling Mud

-If oil based, what type? Synthetic, petroleum, etc.

Additives to be used? Bentonite 1302-78-9, Salt 7647-14-5, Soda Ash 497-19-8, and others as needed LKC No cuttings shall be left on site

Will closed loop system be used? Possible Centrifuge - No Air Drilling/Yes on Marcellus

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

-If left in pit and plan to solidify what medium will be used? Cement, lime, Cement, lime and sawdust-

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

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

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

Company Official Signature *Shane M. Dowell*

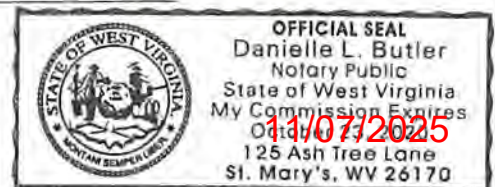
Company Official (Typed Name) Shane Dowell

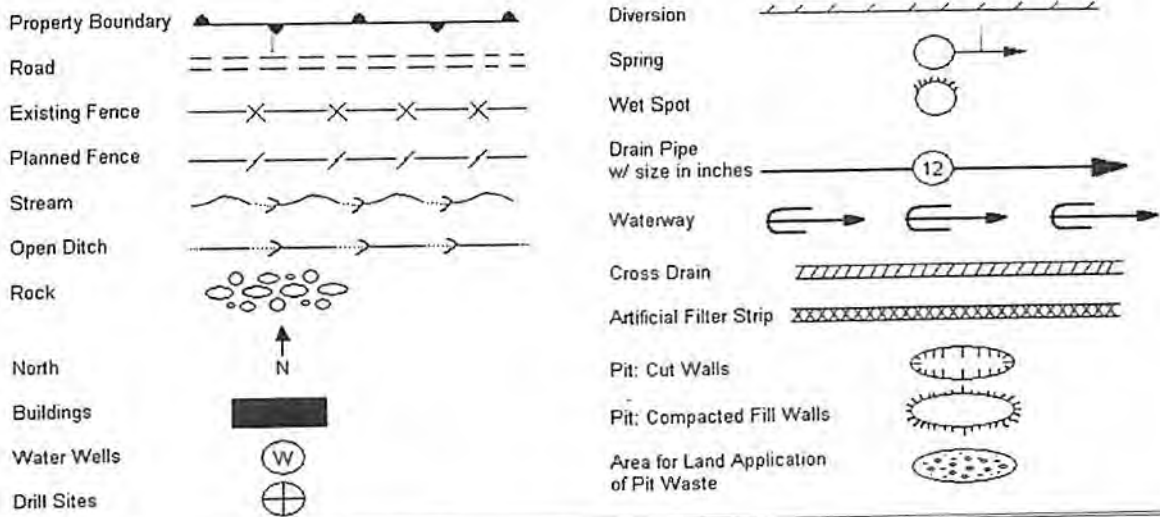
Company Official Title Office Manager

Subscribed and sworn before me this 13th day of November, 2019

Danielle L. Butler Notary Public

My commission expires October 23, 2020





Proposed Revegetation Treatment: Acres Disturbed 2.75 Acres Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20 or equivalent) 1/3 ton lbs/acre (500 lbs minimum)

Mulch hay/2 Tons/acre

Seed Mixtures

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
KY-31	40	Orchard Grass	15
Alsike Clover	5	Alsike Clover	5
Annual Rye Grass	15		

Attach:
Drawing(s) of road, location, pit and proposed area for land application.

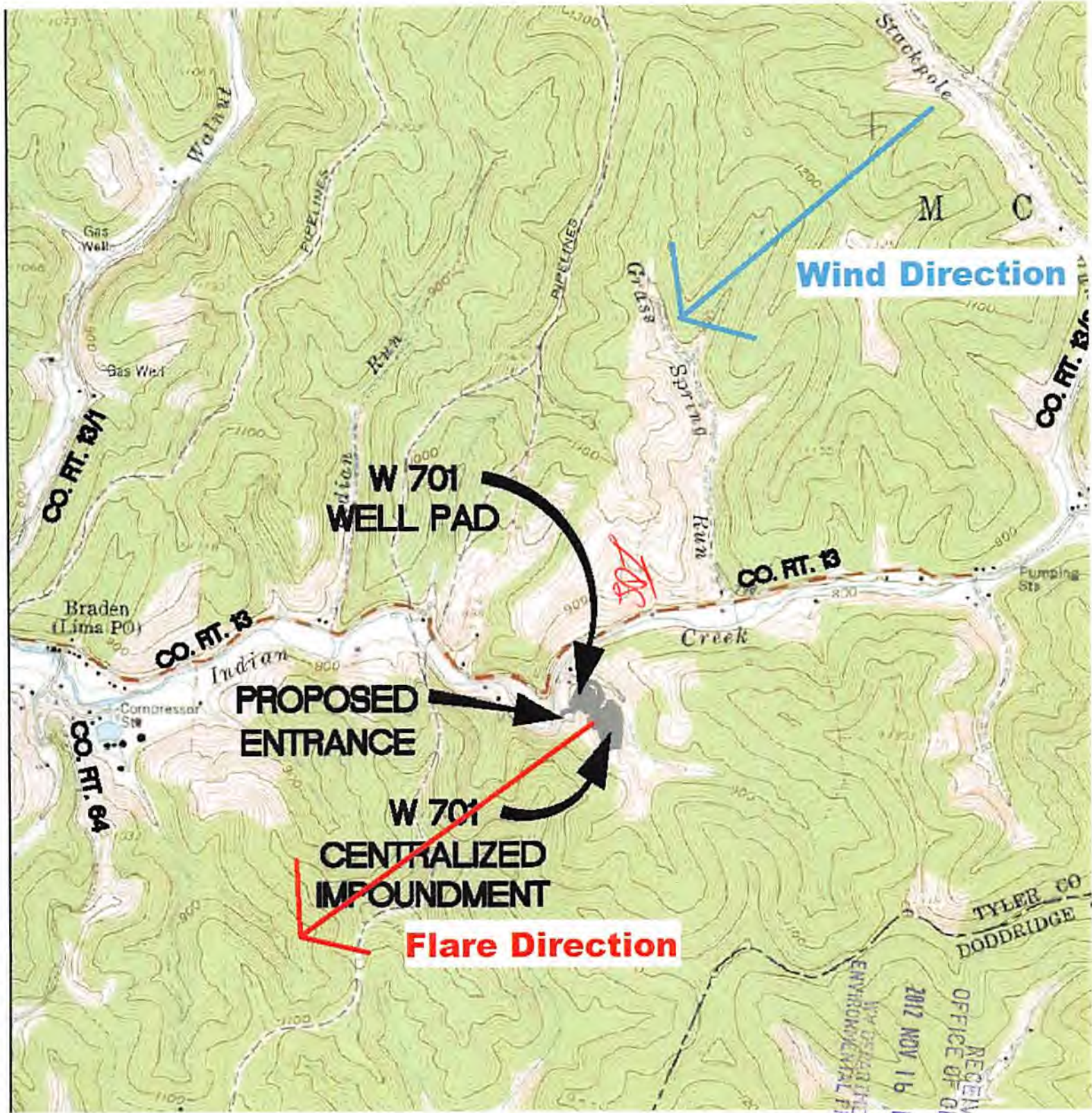
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: [Signature]
Comments: [Signature] 11-15-12

Title: oil & Gas Inspector Date: 6-27-12

Field Reviewed? ☒ Yes ☐ No

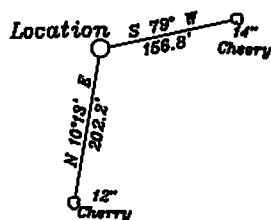
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References-Magnetic North



LATITUDE 39-27-30 N

Bottom Hole 8,138'

Top Hole

NAD 27-39.438679 N, 80.721030 W
 UTM NAD83(meters)-4365287.4 N, 524007.2 E
 State Plane NAD 27-344229.7 N, 1655148.2 E

Landing Point LPI

NAD 27-39.438730 N, 80.722953 W
 UTM NAD83(meters)-4365292.5 N, 523841.7 E
 State Plane NAD 27-344256 N, 1654605 E

Bottom Hole

NAD 27-39.447962 N, 80.736973 W
 UTM NAD83(meters)-4366313.4 N, 522632.2 E
 State Plane NAD 27-347672 N, 1650692 E

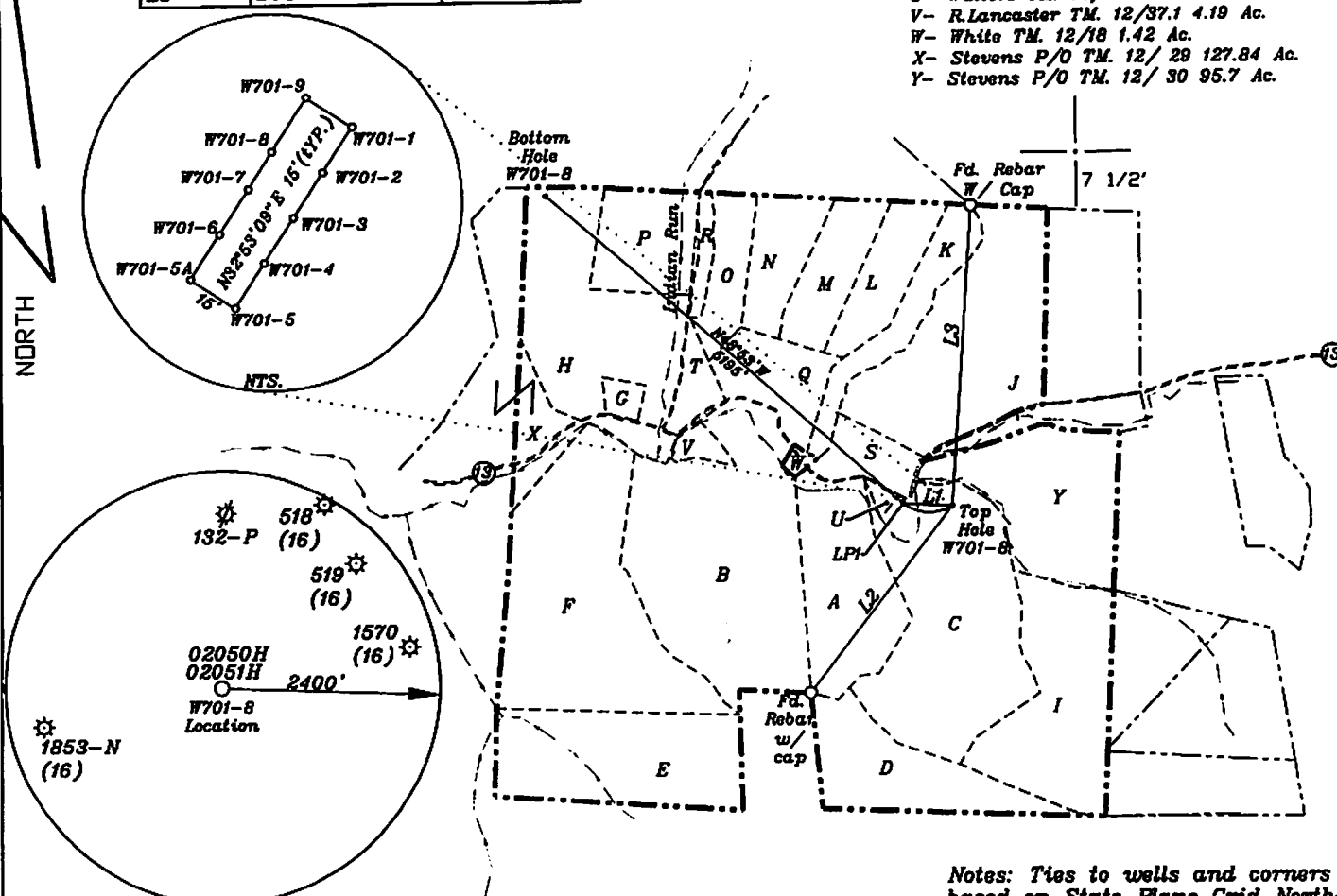
NUMBER	DIRECTION	DISTANCE
L1	N87°16'W	543'
L2	N39°20'E	2571'
L3	S03°41'W	3307'

7 1/2'

A- Stevens TM. 12/35 46 Ac.
 B- Lancaster TM. 12/37 115.81 Ac.
 C- Stevens TM. 12/34 98.38 Ac.
 D- Walters TM. 12/33 50 Ac.
 E- Coastal Lumber Inc. TM. 12/39 97.57 Ac.
 F- Higginbotham TM. 12/38 111.09 Ac.
 G- B Doak TM. 12/10.1 3.812 Ac.
 H- Doak TM. 12/10 93.3 Ac.
 I- Stevens TM. 12/29 127.84 Ac.
 J- Rover TM. 12/20 80 Ac.
 K- White TM. 12/16 21.7 Ac.
 L- Walters TM. 12/15 20.5 Ac.
 M- Walters TM. 12/14.1 23.02 Ac.
 N- Walters TM. 12/14 23.4 Ac.
 O- Doak TM. 12/13 25.088 Ac.
 P- Braucher TM. 12/11 30 Ac.
 Q- Walters TM. 12/17 30.02 Ac.
 R- Braucher TM. 12/13.1 4.912 Ac.
 S- White TM. 12/19 14.75 Ac.
 T- D. Doak TM. 12/10.2 9.158 Ac.
 U- Walters TM. 12/34.1 1.64 Ac.
 V- R. Lancaster TM. 12/37.1 4.19 Ac.
 W- White TM. 12/18 1.42 Ac.
 X- Stevens P/O TM. 12/ 29 127.84 Ac.
 Y- Stevens P/O TM. 12/ 30 95.7 Ac.

LONGITUDE 80-42-30 N

Top Hole 7,109'



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

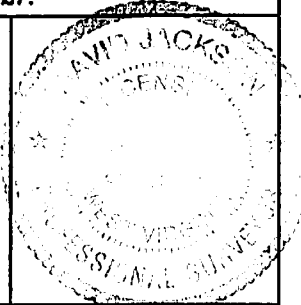
(<+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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)

R.P.E. _____ P.L.S. 708



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

WELL TYPE: OIL GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐(IF 'GAS') PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒LOCATION: ELEVATION 805' WATER SHED INDIAN CREEKDISTRICT McElroyQUADRANGLE CENTER POINT 7 1/2'SURFACE OWNER PHYLLIS KAY STEVENS, ET ALOIL & GAS ROYALTY OWNER MARY WELCH - 127.84 AC.± & 45 AC.±, CHURCH OF CHRIST OF ALVY,WV - 120 AC., & ANNA B. CONGER, ET AL - 54.33 AC.LEASE NO. W701 (TM 12/34), T3011c (TM.12/19), T3011 (TM. 12/16, TM. 12/17, TM. 12/13, TM. 12/13.1),
Fort20A (TM. 12/10), T3011a (TM. 12/11)PROPOSED WORK: DRILL ☒ CONVERT ☐ DRILL DEEPER ☐ REDRILL ☐ FRACTURE ORSTIMULATE ☒ PLUG OFF OLD FORMATION ☐ PERFORATE NEWFORMATION ☒ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG ☐TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 7250' + horizontal leg; TMD = 13,500'WELL OPERATOR Jay Bee Oil & Gas, Inc.DESIGNATED AGENT Randy BrodaADDRESS 1720 Rt. 22, East Union, NJ 07083ADDRESS Route 1, Box 5, Cairo, WV 26337DATE January 23, 2013OPERATOR'S WELL NO. W701-8API WELL NO. 02082STATE WV COUNTY TYLERPERMIT 11/07/2025



JAY-BEE OIL & GAS, INC.

November 13, 2012

Ms. Laura Adkins
Office of Oil and Gas
West Virginia Dept. of Environmental Protection
601 57th Street SE
Charleston, WV 25304

RE: W701-8 / Ketel Eight Well

Laura:

As you know we have applied for a well permit for the W701-8 / Ketel Eight Well in Tyler County, West Virginia. This pad is located on what we call the W701 tract. State Route County Route 13 runs through this tract and our proposed well leg runs under this roadway.

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

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

Sincerely,

Shane Dowell
Office Manager

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**OIL AND GAS ROAD
DISTRICT WIDE BONDING AGREEMENT
For DOH District 446**

THIS AGREEMENT, executed in duplicate, made and entered into this 23 day of FEBRUARY, 2012, by and between the WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, hereinafter called "DEPARTMENT," and JAY-BEE OIL & GAS, company, hereinafter called "COMPANY."

WITNESSETH:

WHEREAS, Company has horizontal gas well drilling operations in certain areas of West Virginia; and

WHEREAS, the Department believes that the frequent and repetitive use of certain sections of highways in the State by Company, its contractors, agents, independent contractors or suppliers of drilling materials or drilling equipment, and employees contributes to increased wear and tear to public roads in the state road system in the State, including local roads ("State Owned Roads"); and,

WHEREAS, the Department and Company have entered into this Agreement to satisfy the requirements of the Department's policy entitled "Oil & Gas Road Policy" dated January 3, 2012, as issued by Paul A. Mattox, Jr., Secretary of Transportation / Commissioner of Highways, and any subsequent related policies, hereinafter called "Policy", a copy of which is made a part of this Bonding Agreement and is identified as Attachment 1.

NOW, THEREFORE, for and in consideration of the mutual agreements hereinafter set forth, the parties agree as follows:

I. For purposes of this Bonding Agreement, "Project Transportation Usage" of the Company shall be understood to mean use of one or more State Owned Roads for the delivery and removal of drilling materials and drilling equipment at the site or location of one or more of Company's horizontal gas well pad locations. To the extent reasonably practical, prior to commencing use of a State Owned Road for Project Transportation Usage after January 1, 2011, the Company shall submit to the Department a section or sections of current official WVDOH County Highway maps identifying the exact location of the proposed project and the State Owned Roads that the Company will utilize for the Project Transportation Usage.

II. Company and Department shall within 14 days of the Company's submittal, agree to a list of these sections of State Owned Roads, hereinafter called "Project Roads List", to be utilized for each of Company's projects, identified by route number and milepost; at a time to be mutually agreed to by the parties prior to initial commencement of Project Transportation Usage of a particular State Owned Road on a Project Roads List, the Company and Department will jointly review the condition of the roads and bridges on the Project Roads List. The Department will document the road type and surface condition and general right-of-way width of each section of road on the Project Road List. Either party may supplement this documentation with photographs, video or other evidence of the present condition of the road surface, shoulders, ditches, culverts, bridges or other structures or appurtenances of roads on the Project Road List, as well as approaches to the roads, utility facilities located within or along the right-of-way, or any other condition, including third-party activities, that may affect the duties and responsibilities of the parties under this Agreement. A copy of any such documentation must be made and provided to the other party within ten business days after the joint review of the roads on the Project Roads List.

III. Department shall issue a Project Agreement or Project Permit, as appropriate, to Company to use State Owned Roads and may include any minor or major improvements

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required of Company prior to, during or after Project with the assignment of responsibilities of both parties prior to, during and after the operator has completed well fracturing.

IV. In the Project Agreement/Project Permit, the Department shall not require the use of State Owned Roads other than the roads proposed by Company unless the Department has safety concerns as to the Company's proposed roads. A failure to agree on roads that may otherwise be lawfully used for a particular Project Transportation Usage shall result in the designation of the State Owned Roads proposed by Company, with milepost determinations as designated by Department. This Agreement shall only cover portions of State Owned Roads designated on the Project Roads List.

V. For the duration of Company's Project Transportation Usage of the Stated Owned Roads on the Project Roads List, whether by the Company, its contractors (while working on behalf of Company), agents, independent contractors or suppliers of drilling materials or drilling equipment, or employees, the Company agrees to pay for all reasonable maintenance and repair costs incurred by the Department to repair areas of the State Owned Roads included in the Project Roads List that were directly damaged by Company's Project Transportation Usage, as determined to be reasonably necessary and appropriate by the Department. The Department shall keep a record of all labor performed by Department employees and contractors for such maintenance and repairs and shall send an invoice for the same to Company.

VI. Company shall be responsible for the cost of all maintenance and repairs reasonably necessary to put the existing roadways, bridges and appurtenances on the Project Roads List utilized for the Project Transportation Usage in the condition that existed immediately prior to the Project Transportation Usage. Company shall not be required to pay for maintenance or repairs to put any areas of such roadways, bridges and appurtenances on the Project Roads List in a condition better than the condition that existed immediately prior to the Project Transportation Usage. Company shall also not be required to pay for maintenance or repairs to any areas of these roadways, bridges or appurtenances on the Project Roads List that are not actually utilized for the Project Transportation Usage or for damage not caused by Project Transportation Usage.

VII. Company shall notify the Department in writing of Company's final completion of Project Transportation Usage for particular roadways, bridges and appurtenances on the Project Roads List. Within fourteen days after its receipt of written notification of the completion of the Project Transportation Usage for all roads on a Project Roads List, the Department will review the condition of the roadways, bridges and appurtenances on the Project Roads List actually utilized for the Project Transportation Usage and advise Company of any final repairs reasonably necessary to leave these roads, bridges and appurtenances in a condition reasonably deemed by Department to be equal to their condition prior to commencement of Project Transportation Usage; and, upon completion of all such final repairs by or on behalf of Company and acceptance by Department, the Company shall be released from all further liability for maintenance or repairs to roads, bridges, or appurtenances on said Project Roads List. Any maintenance or repair work under the Project Agreement/Project Permit for roads, bridges or appurtenances on the Project Roads List may be performed by a contractor directly chosen by the Company as approved by the Department, the Department's workforce, or a private contractor hired by the Department through the public bid process in accordance with state law, all of which work shall be subject to the standards and specifications of the Department.

VIII. In order to ensure performance of Company's performance and payment obligations under this Bonding Agreement, the Company shall post a corporate surety bond, hereinafter called "Master Bond", with the Department named as the beneficiary, which form of bond shall be subject to the consent of the Department, not to be unreasonably withheld. The amount and form of the bond shall be in accordance with the Policy as set forth above. However, the amount of the Master Bond does not limit the amount of claims that may be made by the Department against the Company under this Bonding Agreement. The Company shall provide the Master Bond to the Department within one (1) month after the execution of this Bonding Agreement. The Master Bond shall secure the good faith performance of all payment obligations of Company under the terms of this Bonding Agreement respecting the roads, bridges and appurtenances on the Project Roads List for each Project Transportation Usage undertaken by the Company, and shall remain in effect until termination of this Agreement. Company shall not be obligated to provide any other bonds, sureties, or other guarantees of performance to the

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Department for Company's use of State Owned Roads, except as required in this Agreement.

IX. Company shall maintain Commercial General Liability Insurance in the amount of two million dollars, with a minimum coverage of one million dollars per occurrence, for personal injury or death to persons, or for property damage, resulting from Company's Project Transportation Usage and shall present evidence of such insurance to Department upon request.

X. Company's usage of State Owned Roads under the Project Agreement/Project Permit shall comply with all applicable Federal, State and local laws and regulations including, but not limited to, to the extent applicable, the National Environmental Policy Act, Section 404 of the Clean Water Act, Section 106 of the National Historic Preservation Act, Rare, Threatened and Endangered Species Act, Section 401 Water Quality Certification, and hazardous waste requirements. Further, upon reasonable written request of Department, Company shall furnish Department with acceptable documentation of such compliance which is in the possession of the Company.

XI. Company shall defend, indemnify and hold Department harmless from and against any and all losses, damage, and liability, and from all claims for damages on account of or by reason of bodily injury, including death, which may be sustained, or claimed to be sustained, by any person or persons, including employees of Department, and from and against any and all claims, losses or liabilities for damages to property, arising out of the negligent or willful acts or omissions of Company, its agents, independent contractors and suppliers of drilling materials or drilling equipment, employees and contractors, in the performance of all Project Transportation Usage activities undertaken pursuant to this Agreement (collectively, "claims"). The Company shall not be responsible to indemnify, defend or hold harmless Department for any claims caused by the negligent or willful acts or omissions of the Department or its agents, employees and contractors or third parties not performing work at the direction of Company or delivering drilling equipment or drilling materials, including water, for use by or for company.

XII. If a provision of this Agreement is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability of any other provision of this Agreement; or the validity or enforceability in other jurisdictions of that or any other provision of this Agreement.

XIII. Department shall give Company a minimum of thirty days written notice of default under the terms of this Bonding Agreement and the opportunity to cure this default during such thirty-day period. If a default is not cured to the satisfaction of Department, or provision acceptable to Department is not made for a cure, Department may then elect to terminate this Bonding Agreement in whole or in part, and may in addition exercise its rights under the Master Bond or seek any other lawful relief available. Company may terminate this Bonding Agreement upon thirty days written notice to Department for any reason. In the event Company terminates this Agreement for any reason, it shall be liable for the repair and maintenance costs set forth above for prior Project Transportation Usage.

XIV. Nothing herein shall be construed to mean that Company shall have any jurisdiction or control over any public roads in the state road system.

XV. Company, its contractors, agents, employees and suppliers shall at all times be subject to applicable provisions of state and federal law, including without limitation laws requiring operation of vehicles in accordance with legal size and weight restrictions and posted weight limits. Oversize/overweight permits for vehicle or loads not otherwise conforming with law must be obtained in accordance with law; Department agrees to work in good faith with Company to review and grant (where authorized by law) such permits in a timely manner upon request by Company.

XVI. This Bonding Agreement shall be construed and enforced in accordance with the laws of the State of West Virginia, as they may be amended.

XVII. This Bonding Agreement shall be binding upon the successors and assigns of each party hereto.

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IN WITNESS WHEREOF, the parties hereto have caused this Bonding Agreement to be executed by their duly authorized officers effective as of the date first above written.

WEST VIRGINIA DEPARTMENT OF
TRANSPORTATION,
DIVISION OF HIGHWAYS

Doreen Baris
Witness

By: Norm A. Murphy
State Highway Engineer

Joan Z. Graf
Witness

DEBORAH BRON MORGAN
By: [Signature]
Title: VP.

(To be executed in duplicate)

APPROVED AS TO FORM THIS
8th DAY OF Nov 2012
[Signature]
ATTORNEY LEGAL DIVISION
WEST VIRGINIA DEPARTMENT
OF HIGHWAYS

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11/07/2025

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11/07/2025

WW-2B1

Well No. W701-8 / Ketel Eight

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

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

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

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

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

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

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

<u> </u>	Contractor Name	<u>Reliance Laboratories</u>
<u> x </u>	Well operator's private laboratory	
	Well Operator	<u>Jay-Bee Oil & Gas, INC</u>
	Address	<u>Rt 1 Box 5 / 1720 Route 22 East</u>
		<u>Cairo, WV 26337 / Union, NJ 07083</u>
	Telephone	<u>304-628-3111</u>

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

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11/07/2025

**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:

Surface Owner	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Phyllis Kay Stevens	Mary Welch	Jay-Bee Oil & Gas Inc	12.5%	376/119
Virgil & Patricia Stevens	Ralph E. Phillips	Jay-Bee Oil & Gas Inc	12.5%	385/211
Gary and Karen Sue Lancaster	South Penn Oil Co. and	Jay-Bee Oil & Gas Inc	12.5%	24/481
Jerry Walters	Jerry Walters/HBP	Jay-Bee Oil & Gas Inc	12.5%	

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

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

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

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

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


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 2017 NOV 16 P 1:45
 11/07/2025

**Horizontal Natural Gas Well Work Permit
Application Notice By Publication**

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(e), prior to filing an application for a permit for a horizontal well the applicant shall publish in the county in which the well is located or is proposed to be located a Class II legal advertisement.

Paper: Tyler Star News

Public Notice Date: 02/15/2012

The following applicant intends to apply for a horizontal natural gas well work permit which disturbs three acres or more of surface excluding pipelines, gathering lines and roads or utilizes more than two hundred ten thousand gallons of water in any thirty day period.

Applicant: Jay-Bee Oil & Gas Inc

Well Number: W701-8 / Ketel Eight

Address: 1720 Route 22 East, Union, NJ 07083 and/or Rt 1 Box 5 Cairo, WV 26337

Business Conducted: Natural gas production.

Location:

State:	<u>West Virginia</u>
County:	<u>095-Tyler</u>
District:	<u>02-McElroy</u>
Quadrangle:	<u>Centerpoint 7.5'</u>
Approximate UTM NAD 83	Easting: <u>524,014</u>
	Northing: <u>4,365,513</u>
Watershed:	<u>Indian Creek</u>

Any interested person may submit written comments or request a copy of the proposed permit application by emailing dep.oogcomments@wv.gov, sending a letter to Permit Review, Office of Oil and Gas, 601 57th Street, SE, Charleston, WV 25304, or calling 304-926-0450. Emailed or written comments must reference the county, well number, and operator and be received by 3/16/2012. (30 days from the date of the second publication of this ad)

Copies of the proposed permit application may be reviewed at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450). Full copies or scans of the proposed permit application will cost \$15.00, whether mailed or obtained at DEP headquarters.

For information related to horizontal drilling, and all horizontal well applications filed in this state, visit: www.dep.wv.gov/oil-and-gas/pages/default.aspx

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ENVIRONMENTAL PROTECTION

11/07/2025

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

Date of Notice Certification: 11/15/2012

API No. 47- _____

Operator's Well No. W701-8 / Ketel Eight

Well Pad Name: W701 / Ketej

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:	West Virginia
County:	095-Tyler
District:	02-McEroy
Quadrangle:	Centerpoint 7.5'
Watershed:	Indian Creek

UTM NAD 83 Easting: 524,014
Northing: 4,365,513
Public Road Access: WV 13
Generally used farm name: Ketel

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:		OOG OFFICE USE ONLY
*PLEASE CHECK ALL THAT APPLY		
<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 checked="" 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 checked="" type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	<input checked="" type="checkbox"/> RECEIVED/ NOT REQUIRED
<input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION		<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 5. PUBLIC NOTICE		<input checked="" type="checkbox"/> RECEIVED
<input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		<input checked="" type="checkbox"/> RECEIVED

Required Attachments:

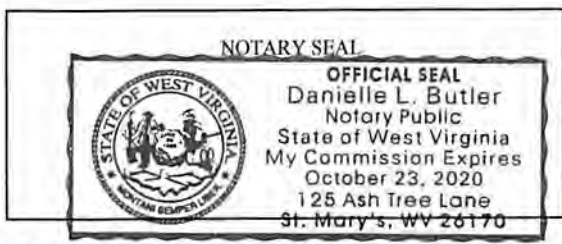
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication 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 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.

11/07/2025

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 & Gas Inc</u>	Address:	<u>1720 Route 22 East, Union, NJ 07083 and/or Rt 1 Box 5 Cairo, WV 26337</u>
By:	<u>Shane Dowell</u>		
Its:	<u>Office Manager</u>	Facsimile:	<u>304-628-3119</u>
Telephone:	<u>304-628-3111</u>	Email:	<u>sdowell@jaybeeoil.com</u>



Subscribed and sworn before me this 13th day of 11, 2012.
Danielle L. Butler Notary Public
My Commission Expires October 23, 2020

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.

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WV DEPARTMENT OF
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JAY-BEE OIL & GAS, INC.

April 6, 2012

Ms. Laura Adkins
Office of Oil and Gas
West Virginia Dept. of Environmental Protection
601 57th Street SE
Charleston, WV 25304

RE: W701 / Ketel Pad

Laura:

As you know we have applied for a well permit for the W701 / Ketel Well Pad in Tyler County, West Virginia. On attached pages, are letters we sent, as well as, certified mailing slips for the notice for requested sampling and analyses.

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

Rt.1 Box 5, Cairo, WV 26337 • Phone 304-628-3111 • Fax 304-628-3119

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11/07/2025



Travis Yost
Field Supervisor

Jay-Bee Production Co.
304-628-3111 Office Phone

April 6, 2012

Patricia & Virgil Stevens
HC 62 Box 93A
Alvy, WV 26377

Re: Water Sampling - McElroy District, Tyler Co., West Virginia
Map 12, Parcel 35, 45ac.

Dear Mr. & Mrs. Stevens:

I am contacting you in regards to the pre-drill water sampling that may be performed by Jay-Bee Production Company. The water well that needs to be sampled is on Map 12, Parcel 35, which consists of a 45 acre tract in McElroy District, Tyler County, West Virginia. If you wish for the water sampling to take place, please contact me to make arrangements.

Thank you for taking the time to see to this matter and we sincerely appreciate your prompt attention to this matter. If you have any questions regarding the enclosed information, please feel free to contact the office to set up an appointment at 304-628-3111, ask for Danielle.

Sincerely,

Travis Yost
Field Supervisor
Jay-Bee Production Co.

Jay-Bee Production Company, Rt. 1 Box 5 Cairo, WV 26337 ~Phone 304-628-3111~Fax 304-628-3119

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Travis Yost
Field Supervisor

Jay-Bee Production Co.
304-628-3111 Office Phone

April 6, 2012

Phyllis Kay Stevens
HC 62 Box 93
Alvy, WV 26377

Re: Water Sampling - McElroy District, Tyler Co., West Virginia
Map 12, Parcel 34, 98.38ac.

Dear Ms. Stevens:

I am contacting you in regards to the pre-drill water sampling that may be performed by Jay-Bee Production Company. The water well that needs to be sampled is on Map 12, Parcel 34, which consists of a 98.38 acre tract in McElroy District, Tyler County, West Virginia. If you wish for the water sampling to take place, please contact me to make arrangements.

Thank you for taking the time to see to this matter and we sincerely appreciate your prompt attention to this matter. If you have any questions regarding the enclosed information, please feel free to contact the office to set up an appointment at 304-628-3111, ask for Danielle.

Sincerely,

Travis Yost
Field Supervisor
Jay-Bee Production Co.

Jay-Bee Production Company, Rt. 1 Box 5 Cairo, WV 26337 ~Phone 304-628-3111~Fax 304-628-3119

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11/07/2025



Travis Yost

Field Supervisor

Jay-Bee Production Co.

304-628-3111 Office Phone

April 6, 2012

Marion R. White
HC 62 Box 94
Alvy, WV 26377

Re: Water Sampling - McElroy District, Tyler Co., West Virginia
Map 12, Parcel 18 & 19, 1.42 & 14.75ac.

Dear Mr. & Mrs. White:

I am contacting you in regards to the pre-drill water sampling that may be performed by Jay-Bee Production Company. The water well that needs to be sampled is on Map 12, Parcel 18 & 19, which consists of a 1.42 & 14.75 acre tract in McElroy District, Tyler County, West Virginia. If you wish for the water sampling to take place, please contact me to make arrangements.

Thank you for taking the time to see to this matter and we sincerely appreciate your prompt attention to this matter. If you have any questions regarding the enclosed information, please feel free to contact the office to set up an appointment at 304-628-3111, ask for Danielle.

Sincerely,

Travis Yost
Field Supervisor
Jay-Bee Production Co.

Jay-Bee Production Company, Rt. 1 Box 5 Cairo, WV 26337 ~Phone 304-628-3111 ~Fax 304-628-3119

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11/07/2025



Travis Yost
Field Supervisor

Jay-Bee Production Co.
304-628-3111 Office Phone

April 6, 2012

Kay Walters
HC 62 Box 93
Alvy, WV 26377

Re: Water Sampling - McElroy District, Tyler Co., West Virginia
Map 12, Parcel 34.1, 1.64ac.

Dear Ms. Walters:

I am contacting you in regards to the pre-drill water sampling that may be performed by Jay-Bee Production Company. The water well that needs to be sampled is on Map 12, Parcel 34.1, which consists of a 1.64 acre tract in McElroy District, Tyler County, West Virginia. If you wish for the water sampling to take place, please contact me to make arrangements.

Thank you for taking the time to see to this matter and we sincerely appreciate your prompt attention to this matter. If you have any questions regarding the enclosed information, please feel free to contact the office to set up an appointment at 304-628-3111, ask for Danielle.

Sincerely,

Travis Yost
Field Supervisor
Jay-Bee Production Co.

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ENVIRONMENTAL PROTECTION

Jay-Bee Production Company, Rt. 1 Box 5 Cairo, WV 26337 ~Phone 304-628-3111 ~Fax 304-628-3119

11/07/2025

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: 11/15/2012 **Date Permit Application Filed:** 11/15/2012

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.

Notice is hereby provided to:

☒ **SURFACE OWNER(s)**

Name: Phyllis Kay Stevens Et Al
Address: HC 62 Box 93
Alvy, WV 26377

Name: _____
Address: _____

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

Name: Phyllis Kay Stevens Et Al
Address: HC 62 Box 93
Alvy, WV 26377

Name: _____
Address: _____

☒ **SURFACE OWNER(s) (Impoundments/Pits)**

Name: Phyllis Kay Stevens Et Al
Address: HC 62 Box 93
Alvy, WV 26377

☐ **COAL OWNER OR LESSEE**

Name: _____
Address: _____

☐ **COAL OPERATOR**

Name: _____
Address: _____

☐ **WATER PURVEYOR(s)**

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

11/07/2025

Notice is hereby given:

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

This Notice Shall Include:

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

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

Additional information related to horizontal drilling 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) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Water Well Testing:

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

Water Testing Laboratories:

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments.

Well Location Restrictions

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

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factors, if necessary.

Written Comment:

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

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

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

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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11/07/2025

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

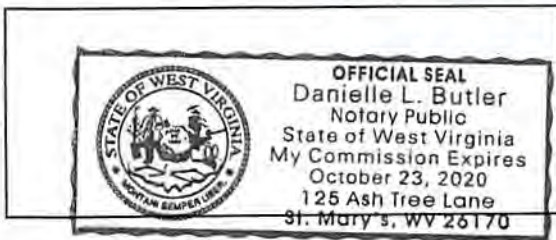
Notice is hereby given by:

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

Address: 1720 Route 22 East, Union, NJ 07083 and/or Rt 1 Box 5 Cairo, WV 26337
Facsimile: 304-628-3119

Oil and Gas Privacy Notice:

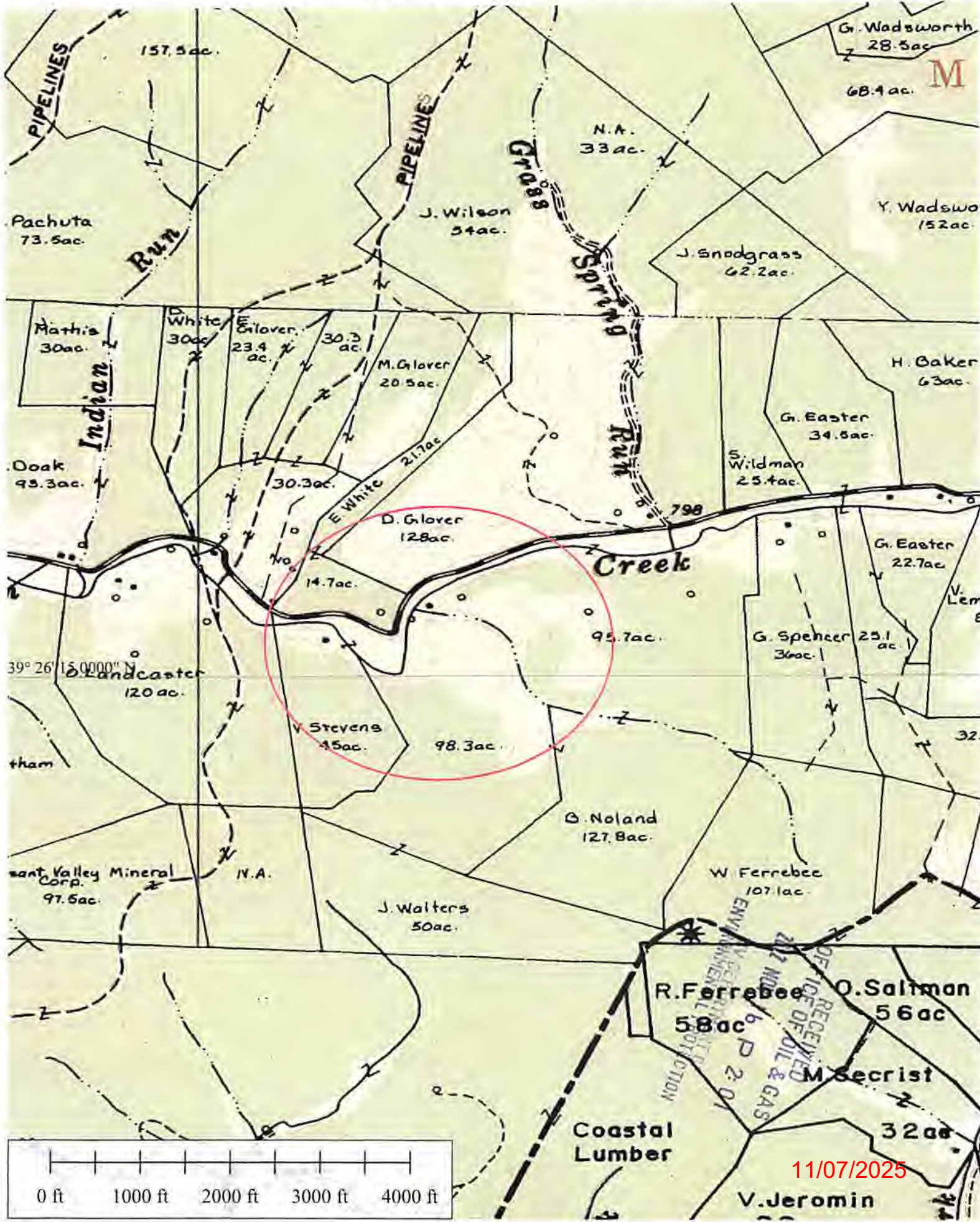
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory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



Subscribed and sworn before me this 13th day of 11, 2012.
Danielle L. Butler Notary Public
My Commission Expires October 23, 2020

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WV DEPARTMENT OF
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W701 PAD WATER WELL 1500'



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: _____ **Date of Planned Entry:** _____

Survey occurred on December 9th, 2011, prior to 6A Rules

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: Phyllis Kay Stevens Et Al
Address: HC 62 Box 93
Alvy, WV 26377
Name: _____
Address: _____
Name: _____
Address: _____

☐ **COAL OWNER OR LESSEE**
Name: _____
Address: _____

☒ **MINERAL OWNER(s)** ✓
Name: Phyllis Kay Stevens Et Al
Address: HC 62 Box 93
Alvy, WV 26377
*please attach additional forms if necessary

Notice is hereby given:

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

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>N 4,365,513 . E 524,014</u>
County: <u>095-Tyler</u>	Public Road Access: <u>WV 13</u>
District: <u>02-McElroy</u>	Watershed: <u>Indian Creek</u>
Quadrangle: <u>Centerpoint 7.5'</u>	Generally used farm name: <u>Ketel</u>

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: sdowell@jaybeeoil.com

Address: 1720 Route 22 East, Union, NJ 07083 and/or PO Box 5 Cairo, WV 26337
Facsimile: 304-628-3119

Oil and Gas Privacy Notice:

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

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WV DEPARTMENT OF ENVIRONMENTAL PROTECTION

11/07/2025

**STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL**

Pursuant to W. Va. Code § 22-6A-16(b), the Notice of Intent to Drill is only required if the notice requirements of W. Va. Code § 22-6A-10(a) have NOT been met or if the Notice of Intent to Drill requirement has NOT been waived in writing by the surface owner.

Notice Time Requirement: Notice shall be provided at least **TEN (10)** days prior to filing a permit application.

Date of Notice: 11/15/2012

Date Permit Application Filed: 11/15/2012

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

☒ **HAND DELIVERY** ☐ **CERTIFIED MAIL RETURN RECEIPT REQUESTED**

Intent to Drill Waiver Signed

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

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

Name: Phyllis Kay Stevens Et Al

Address: HC 62 Box 93

Alvy, WV 26377

Name: _____

Address: _____

Notice is hereby given:

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

State: West Virginia
County: 095-Tyler
District: 02-McElroy
Quadrangle: Centerpoint 7.5'
Watershed: Indian Creek

UTM NAD 83 Easting: 524,014
 Northing: 4,365,513
Public Road Access: WV 13
Generally used farm name: Ketel

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling 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) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Notice is hereby given by:

Well Operator: Jay-Bee Oil & Gas Inc
Address: 1720 Route 22 East, Union, NJ 07083 and/or Rt 1 Box 5 Cairo, WV 26337
Telephone: 304-628-3111
Email: sdowell@jaybeeoil.com
Facsimile: 304-628-3119

Authorized Representative: Shane Dowell
Address: Rt 1 Box 5 Cairo, WV 26337
Telephone: 304-628-3111
Email: sdowell@jaybeeoil.com
Facsimile: 304-628-3119

Oil and Gas Privacy Notice:

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

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

11/07/2025

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

WAIVER

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Surface Owner Waiver:

I, Phyllis Kay Stevens Et Al, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>524,014</u>
County:	<u>095-Tyler</u>		Northing:	<u>4,365,513</u>
District:	<u>02-McElroy</u>	Public Road Access:		<u>WV 13</u>
Quadrangle:	<u>Centerpoint 7.5'</u>	Generally used farm name:		<u>Ketel</u>
Watershed:	<u>Indian Creek</u>			

Name: Phyllis Kay Stephens
Address: HC 62 Box 93
Alvy, WV 26377

Signature: Phyllis Kay Stevens
Date: 3-23-12

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.

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11/07/2025

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: 11/15/2012

Date Permit Application Filed: 11/15/2012

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: Phyllis Kay Stevens Et Al

Name: _____

Address: HC 62 Box 93

Address: _____

Alvy, WV 26377

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:	524,014
County:	095-Tyler		Northing:	4,365,513
District:	02-McElroy	Public Road Access:	WV 13	
Quadrangle:	Centerpoint 7.5'	Generally used farm name:	Ketel	
Watershed:	Indian 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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

Well Operator: Jay-Bee Oil & Gas Inc

Address: 1720 Route 22 East, Union, NJ 07083 and RR1 Box 5 Cairo, WV 26337

Telephone: 304-628-3111

Email: sdo@jaybeeoil.com

Facsimile: 304-628-3119

Oil and Gas Privacy Notice:

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

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 WV DEPARTMENT OF ENVIRONMENTAL PROTECTION

11/07/2025

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

November 13, 2012

Ms. Laura Adkins
Office of Oil and Gas
West Virginia Dept. of Environmental Protection
601 57th Street SE
Charleston, WV 25304

RE: W701-8 / Ketel Eight

Laura:

As you know we have applied for a well permit for the W701 / Ketel Pad Well in Tyler County, West Virginia. In the enclosed permit packet, the old Well Restriction Waiver is the old form. We sent the waivers specifically to her prior to the new form being released, and did not have the new style of form with us. We handwrote the notarization at the bottom of the form.

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

Rt.1 Box 5, Cairo, WV 26337 • Phone 304-628-3111 • Fax 304-628-3119

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11/07/2025

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL LOCATION RESTRICTION WAIVER

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Well Location Restrictions

Pursuant to West Virginia Code § 22-6A-12(a), Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements.

WAIVER

I, Phyllis Kay Stevens Et Al, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through 6, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State: <u>West Virginia</u>	UTM NAD 83 Easting: <u>524,014</u>
County: <u>095-Tyler</u>	Northing: <u>4,365,513</u>
District: <u>02-McElroy</u>	Public Road Access: <u>WV 13</u>
Quadrangle: <u>Centerpoint 7.5'</u>	Generally used farm name: <u>Ketel</u>
Watershed: <u>Indian Creek</u>	

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials and I therefore waive all well site restrictions listed under West Virginia Code § 22-6A-12(a).

WELL SITE RESTRICTIONS BEING WAIVED

*Please check all that apply

- ☒ EXISTING WATER WELLS
- ☒ DEVELOPED SPRINGS
- ☒ DWELLINGS
- ☒ AGRICULTURAL BUILDINGS

FOR EXECUTION BY A NATURAL PERSON

Signature: Phyllis Kay Stevens
Print Name: Phyllis Kay Stevens
Date: 3-23-12

FOR EXECUTION BY A CORPORATION, ETC.

Company: Jay-Bee Oil & Gas, Inc
By: Shane Dawell
Its: Office Manager

Signature: Shane Dawell
Date: 3-23-2012

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. If you have any questions about our use of your personal information, please contact the DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

Subscribed and Sworn before me this 25th day of March 2012. Travis Yost Notary Public.
My Commission Expires March 31st, 2020



OFFICIAL SEAL
Travis Yost
Notary Public
State of West Virginia
My Commission Expires
11/07/2023
385 W. 26th Ave
Big Springs, WV 26137

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
VOLUNTARY STATEMENT OF NO OBJECTION

Instructions to Persons Named on Page WW-6A

The well operator named on page WW-6A is applying for a permit from the State of West Virginia to conduct oil or gas well work. Well work permits are valid for twenty-four (24) months. Please contact the listed well operator and the Office of Oil and Gas if you do not own any interest in the listed surface tract.

Comment and Waiver Provisions

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

Pursuant to West Virginia Code § 22-6A-8(b) No permit may be issued less than thirty days after the filing date of the application for any well work except plugging or replugging; and no permit for plugging or replugging may be issued less than five days after the filing date of the application except a permit for plugging or replugging a dry hole: *Provided*, That if the applicant certifies that all persons entitled to notice of the application under the provisions of subsection (b), section ten of this article have been served in person or by certified mail, return receipt requested, with a copy of the well work application, including the erosion and sediment control plan, if required, and the well plat, and further files written statements of no objection by all such persons, the secretary may issue the well work permit at any time.

VOLUNTARY STATEMENT OF NO OBJECTION

I, Phyllis Kay Stevens Et Al, hereby state that I have read the Instructions to Persons Named on Page WW-6A and the associated provisions listed above, and that I have received copies of a Notice of Application, an Application for a Well Work Permit on Form WW-6A and attachments consisting of pages one (1) through 5, including the erosion and sediment control plan, if required, and the well plat, all for proposed well work on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>524,014</u>
County:	<u>095-Tyler</u>		Northing:	<u>4,365,513</u>
District:	<u>02-McElroy</u>	Public Road Access:		<u>WV 13</u>
Quadrangle:	<u>Centerpoint 7.5'</u>	Generally used farm name:		<u>Ketel</u>
Watershed:	<u>Indian Creek</u>			

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

<p>*Please check the box that applies</p> <p><input checked="" type="checkbox"/> SURFACE OWNER</p> <p><input checked="" type="checkbox"/> SURFACE OWNER (Road and/or Other Disturbance)</p> <p><input checked="" type="checkbox"/> SURFACE OWNER (Impoundments/Pits)</p> <p><input type="checkbox"/> COAL OWNER OR LESSEE</p> <p><input type="checkbox"/> COAL OPERATOR</p> <p><input type="checkbox"/> WATER PURVEYOR</p> <p><input type="checkbox"/> OPERATOR OF ANY NATURAL GAS STORAGE FIELD</p>	<p>FOR EXECUTION BY A NATURAL PERSON</p> <p>Signature: <u>Phyllis Kay Stevens</u></p> <p>Print Name: <u>Phyllis Kay Stevens</u></p> <p>Date: <u>3-23-12</u></p> <p>FOR EXECUTION BY A CORPORATION, ETC.</p> <p>Company: <u>Jay-Bee Oil & Gas, Inc</u></p> <p>By: <u>Shane Powell</u></p> <p>Its: <u>Office Manager</u></p> <p>Signature: <u>Shane Powell</u></p> <p>Date: <u>3-23-12</u></p>
--	--

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.

OFFICE OF OIL & GAS
2012 NOV 16 1:41
DEPARTMENT OF ENVIRONMENTAL PROTECTION

W-701 Well Pad As-Built

SITUATED ON THE WATERS OF INDIAN CREEK
IN MCELROY DISTRICT, TYLER COUNTY, WV

Prepared for
JAY BEE OIL & GAS, INC.

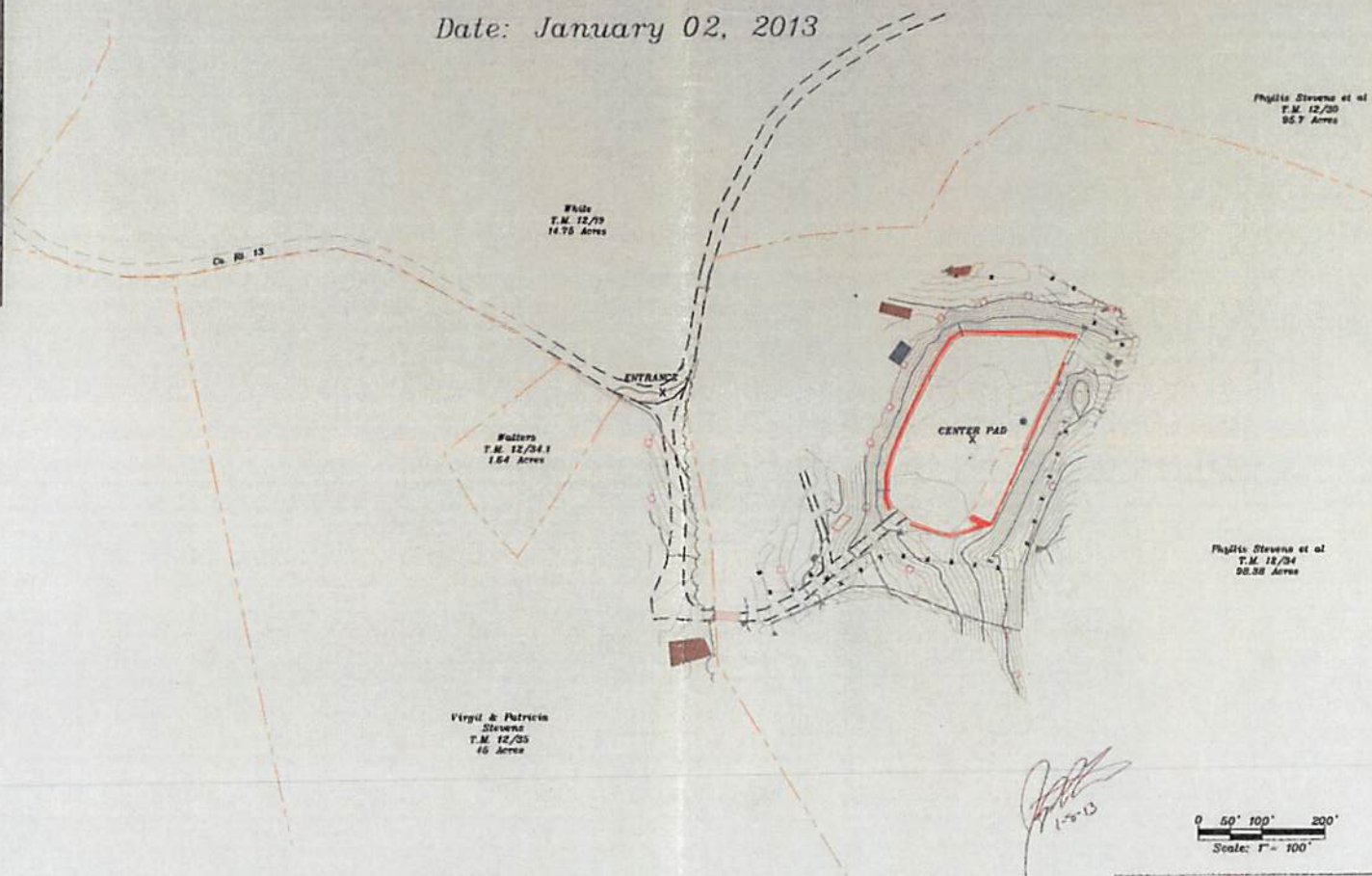
Date: January 02, 2013

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WV Department of
Environmental Protection

West Virginia
State Plane
NAD '83
North Zone
RTK GPS



Sheet Description	
1	Cover
2	Plan

CENTERLINE PAD
Geographic NAD 83
Latitude: 39.43875
Longitude: 80.72085

Geographic NAD 27
Latitude: 39.438668
Longitude: 80.721026

UTM, Geo. NAD 83
(METERS)
Latitude: 4365504.2
Longitude: 524022.1

WELL ENTRANCE
Geographic NAD 83
Latitude: 39.438946
Longitude: 80.722592

Geographic NAD 27
Latitude: 39.438864
Longitude: 80.722767

UTM, Geo. NAD 83
(METERS)
Latitude: 4365525.5
Longitude: 523872.2

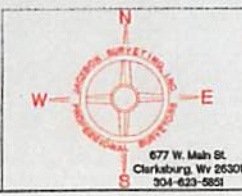


Jay Bee
Oil & Gas
DRILLING
Into the future



David N. Shumate PS 2171
Jackson Surveying, Inc.
677 West Main Street
Clarksburg, WV 26301
304-623-5851

Revisions:



Jackson Surveying Inc.

Cover
Sheet 1 of 2
W-701 Well Pad As-Built

MAPON GRID

West Virginia
State Plane
NAD '83
North Zone
RTK GPS

RECEIVED
Office of Oil and Gas

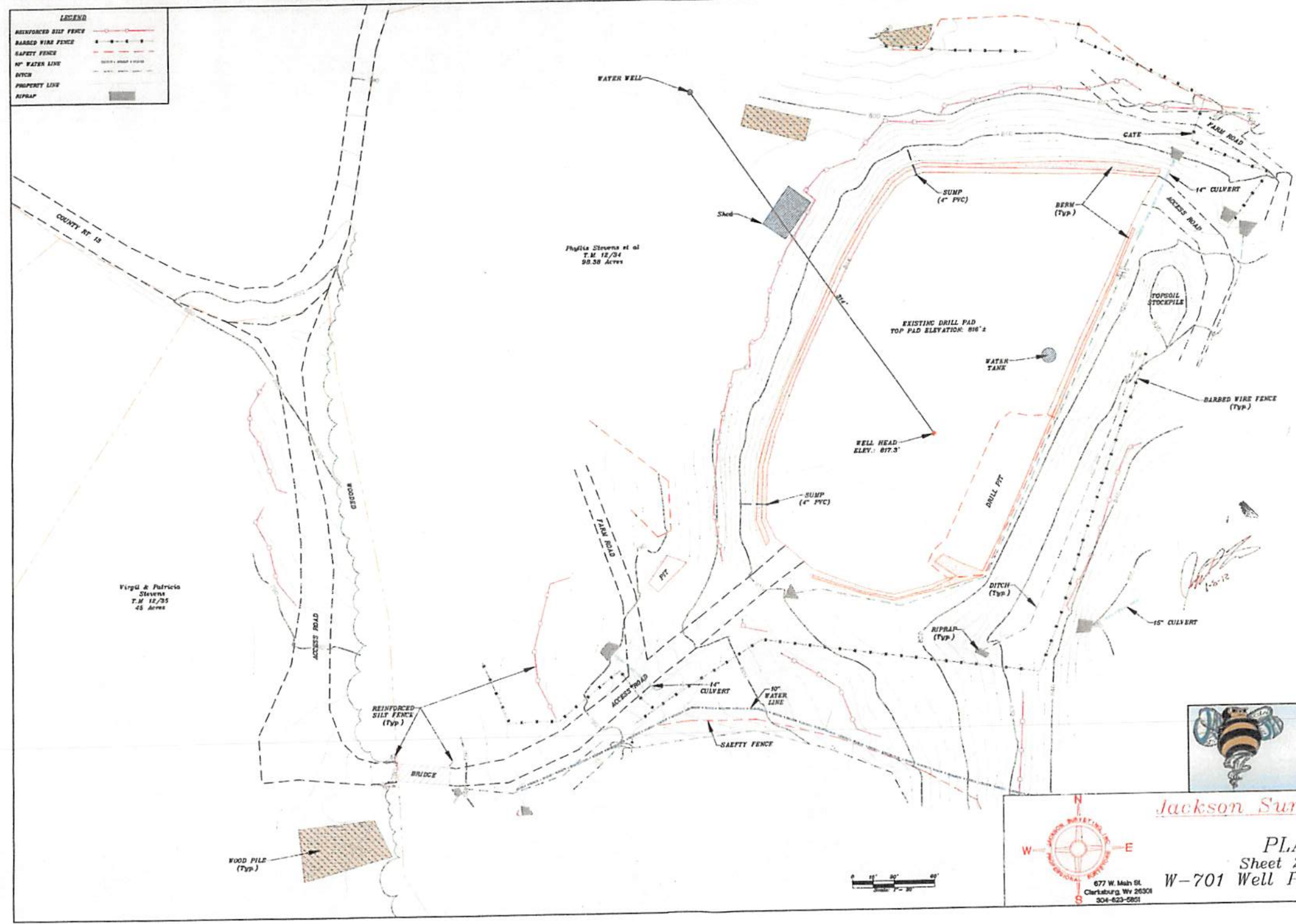
JAN 11 2013

WV Department of
Environmental Protection



Jackson Surveying Inc.

PLAN
Sheet 2 of 2
W-701 Well Pad As-Built



LEGEND

REINFORCED SILT FENCE	---○---
BARBED WIRE FENCE	---x---
SAFETY FENCE	---+---
10" WATER LINE	---
DITCH	---
PROPERTY LINE	---
RIPRAP	---

Virgil & Patricia
Stevens
T.M. 12/25
46 Acres

Phyllis Stevens et al
T.M. 12/24
98.58 Acres

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

95-0208/

W 701 WELL PAD & CENTRALIZED IMPOUNDMENT SITE PLAN JAY BEE OIL & GAS, INC.

ENVIRONMENTAL NOTES

A WETLAND DELINEATION WAS PERFORMED ON JANUARY 03, 2012 AND JANUARY 04, 2012 BY FORENSIC, LLC TO DETERMINE THE SITE FOR WATERS AND WETLANDS THAT ARE MOST LIKELY WITHIN THE REGULATORY JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS (USACE) AND/OR THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP). THE FEBRUARY 21, 2012 REPORT WAS PREPARED BY FORENSIC, LLC SUMMARIZING THE RESULTS OF THE FIELD DELINEATION. THE REPORT DOES NOT, IN ANY WAY, REPRESENT A FUNDAMENTAL DETERMINATION OF THE LANDWARD LIMITS OF WATERS AND WETLANDS WHICH MAY BE REGULATED BY THE USACE OR THE WVDEP. IT IS STRONGLY RECOMMENDED THAT THE APPROPRIATE AGENCIES BE CONSULTED IN AN EFFORT TO OBTAIN WRITTEN CONFIRMATION OF THE DELINEATION DISCUSSED BY THIS REPORT PRIOR TO ENGAGING CONSTRUCTION ON THE PROPERTY DISCUSSED HEREIN. THE DEVELOPER SHALL OBTAIN THE APPROPRIATE PERMITS FROM THE FEDERAL AND/OR STATE REGULATORY AGENCIES PRIOR TO ANY PROPOSED IMPACTS TO WATERS OF THE U.S., INCLUDING WETLAND FILL AND STREAM CHANGES.

CONSTRUCTION NOTES

1. METHODS AND MATERIALS USED IN THE CONSTRUCTION OF THE IMPROVEMENTS HEREIN SHALL CONFORM TO THE CURRENT COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS AND/OR CURRENT WVDEP EROSION AND SEDIMENT CONTROL, BEST MANAGEMENT PRACTICE MANUAL STANDARDS AND SPECIFICATIONS.

2. MEASURES TO CONTROL EROSION AND SEDIMENT, INCLUDING DETENTION POND SERVING AS SELF-WASHING DURING CONSTRUCTION, MUST BE PROVIDED PRIOR TO RESUMPTION OF THE SITE DEVELOPMENT PROJECT. THE APPROVAL OF THESE PLANS IN NO WAY RELIEVES THE DEVELOPER OR HIS AGENT OF THE RESPONSIBILITIES CONTAINED IN THE WVDEP EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL.

3. AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. ALSO, A REPRESENTATIVE OF THE DEVELOPER MUST BE AVAILABLE AT ALL TIMES.

4. THE CONTRACTOR SHALL PROVIDE ADEQUATE MEANS OF CLEARING MUD FROM TRUCKS AND/OR OTHER EQUIPMENT PRIOR TO ENTERING PUBLIC STREETS, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN STREETS, ALLEY DIRT, AND TO TAKE WHATEVER MEASURES ARE NECESSARY TO INSURE THAT THE STREETS ARE MAINTAINED IN A CLEAN, MUD AND DIRT FREE CONDITION AT ALL TIMES.

5. NOTIFICATION SHALL BE GIVEN TO THE APPROPRIATE UTILITY COMPANY PRIOR TO CONSTRUCTION OF KATES AND/OR GAS TIE LINES. INFORMATION SHOULD ALSO BE OBTAINED FROM THE APPROPRIATE AUTHORITY CONCERNING PERMITS, CUT SHEETS, AND CONNECTIONS TO EXISTING LINES.

6. THE LOCATION OF EXISTING UTILITIES SHOWN IN THESE PLANS ARE FROM FIELD LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES AS NEEDED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL DIVULGE THE EXISTENCE OF ANY CONFLICTS ARISING FROM HIS EXISTING UTILITY VERIFICATION AND THE PROPOSED CONSTRUCTION.

7. THE DEVELOPER WILL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STREETS AND UTILITIES WHICH OCCUR AS A RESULT OF THE CONSTRUCTION PROJECT WITHIN OR ADJACENT TO THE EXISTING RIGHT-OF-WAY.

8. WHEN GRADING IS PROPOSED WITHIN EASEMENTS OF UTILITIES, LETTERS OF PERMISSION FROM ALL INVOLVED COMPANIES MUST BE OBTAINED PRIOR TO GRADING AND/OR SITE DEVELOPMENT.

9. THE DEVELOPER WILL BE RESPONSIBLE FOR THE RELOCATION OF ANY UTILITIES WHICH IS REQUIRED AS A RESULT OF HIS PROJECT. THE RELOCATION SHOULD BE DONE PRIOR TO CONSTRUCTION.

10. THESE PLANS IDENTIFY THE LOCATION OF ALL KNOWN CHAUVINETS. CHAUVINETS SHOWN ON THIS PLAN WILL BE PROTECTED IN ACCORDANCE WITH STATE LAW. IN THE EVENT CHAUVINETS ARE DISCOVERED DURING CONSTRUCTION, THE OWNER AND ENGINEER MUST BE NOTIFIED IMMEDIATELY.

11. THE CONTRACTOR IS TO VERIFY FIELD CONDITIONS PRIOR TO AND DURING CONSTRUCTION AND NOTIFY NAVITUS ENGINEERING AT (800) 845-4100 OR SHORT LAND SURVEYING AT (204) 460-8804 IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLAN.

12. CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATING OR HEAVING AT LEAST TWO (2) WORKING DAYS, BUT NOT MORE THAN TEN (10) WORKING DAYS, PRIOR TO COMMENCEMENT OF EXCAVATION OR HEAVING.

13. CONTRACTOR TO PROVIDE TEMPORARY DRAINAGES DURING CONSTRUCTION OF IMPOUNDMENT CONSTRUCTION IF PERCHED GROUNDWATER IS PRESENT DURING MASS EXCAVATIONS OR REGRADATIONS FOR THE IMPROVEMENT OF WATER RESERVE OR GROUNDWATER IS ENCOUNTERED DURING MASS EXCAVATION. LARGE SUMP PITS AND PUMPS WILL BE REQUIRED. CONTRACTOR SHALL EXCAVATE SURFACE TRENCHES FROM ANY OBSERVED WATER RESERVE TO A ROAD PIT AND SUMP PUMP AS SHOWN AS WATER RESERVE IS OBSERVED TO AVOID SATURATION OF FILL. TEMPORARY DRAINAGE SYSTEM SHALL REMAIN IN PLACE UNTIL ALL PERMITS ARE APPROVED AND GROUND WATER DRAINAGE SYSTEM IS IN PLACE.

14. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR DAILY AND CHECKED AFTER EVERY RAINFALL. ALL DRAIN DEPTHS SHALL BE FREE OF SEDIMENT AND DEBRIS. INEFFECTIVE MEASURES SHALL BE REPLACED, AS NECESSARY.

15. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE EROSION AND SEDIMENT CONTROL INSPECTOR, 2 DAYS PRIOR TO THE START OF CONSTRUCTION.

SITUATE ON THE WATERS OF INDIAN CREEK AND A TRIBUTARY OF INDIAN CREEK IN MCELROY DISTRICT, TYLER COUNTY, WEST VIRGINIA.



CENTER POINT QUAD
SCALE: 1" = 200'

502

SITE DISTURBANCE COMPUTATIONS

PAD/PT AREA = 101 ± ACRES
ACCESS ROAD = 2.4 ± ACRES
TOTAL SITE DISTURBANCE = 125 ± ACRES
WATERSHED AREA OF THE WELL PAD, IMPOUNDMENT, & TYPICAL STOCKPILES

GENERAL DESCRIPTION

THE WELL PAD & CENTRALIZED IMPOUNDMENT IS BEING CONSTRUCTED TO AID IN THE DEVELOPMENT OF INDIVIDUAL UNCONFINED SHALE GAS WELLS.

NOTE: GROUNDWATER DRAINAGE PITS & TRENCH TO BE INSTALLED AT OWNERS DISCRETION.

GRID NORTH AND ELEVATIONS SHOWN HEREON WERE ESTABLISHED BY SURVEY GRADE GPS

PROJECT INFORMATION

PROJECT NAME: W 701 WELL PAD & CENTRALIZED IMPOUNDMENT SITE PLAN

TAX PARCEL: MCELROY DISTRICT MAY 12 PARCEL 24

SURFACE OWNER: PHYLIS KAY STEVENS, ET AL
MCELROY DISTRICT
TYLER COUNTY, WV
TOTAL PROPERTY AREA: 94.38 ± ACRES

OIL AND GAS ROYALTY OWNERS: BARRY WELCH
MCELROY DISTRICT
TYLER COUNTY, WV
TOTAL PROPERTY AREA: 127.84 ± ACRES

SITE LOCATION

WELL PAD ENTRANCE	WELL PAD	CENTRALIZED IMPOUNDMENT
LAT. 39.4368N LONG. 80.7226W (NAD 83)	LAT. 39.4367N LONG. 80.7226W (NAD 83)	LAT. 39.4370N LONG. 80.7196W (NAD 83)

LIST OF DRAWINGS

- 1 - COVER SHEET
- 2 - WELL PAD & CENTRALIZED IMPOUNDMENT DETAILS
- 3 - WELL PAD & CENTRALIZED IMPOUNDMENT SECTIONS
- 4 - WELL PAD & CENTRALIZED IMPOUNDMENT RECLAMATION PLAN
- 5 - CONSTRUCTION DETAILS
- 6 - CONSTRUCTION DETAILS
- 7 - CONSTRUCTION DETAILS
- 8 - CONSTRUCTION DETAILS

NAVITUS ENGINEERING INC.
101 West VA, Suite 100
Martinsburg, WV 26151
(304) 460-8804
www.navituseng.com

SMITH LAND SURVEYING, INC.
PROFESSIONAL SURVEYING AND ENVIRONMENTAL SERVICES
101 West VA, Suite 100
Martinsburg, WV 26151
(304) 460-8804
www.smithlandsurveying.com



THIS DOCUMENT WAS PREPARED BY NAVITUS ENGINEERING INC. FOR JAY BEE OIL & GAS, INC.

LOCATION MAP
W 701 LEASE
MCELROY DISTRICT
TYLER COUNTY, WV

DATE: 03/14/2012
SCALE: 1" = 200'
DESIGNED BY: CHK
FILE NO.: 7705
SHEET: 1 OF 8

MISS Utility of West Virginia
1-800-245-4848
West Virginia State Law
(Section XIV, Chapter 24C)
Requires that you call two
business days before you dig in
the state of West Virginia
IT'S THE LAW!!

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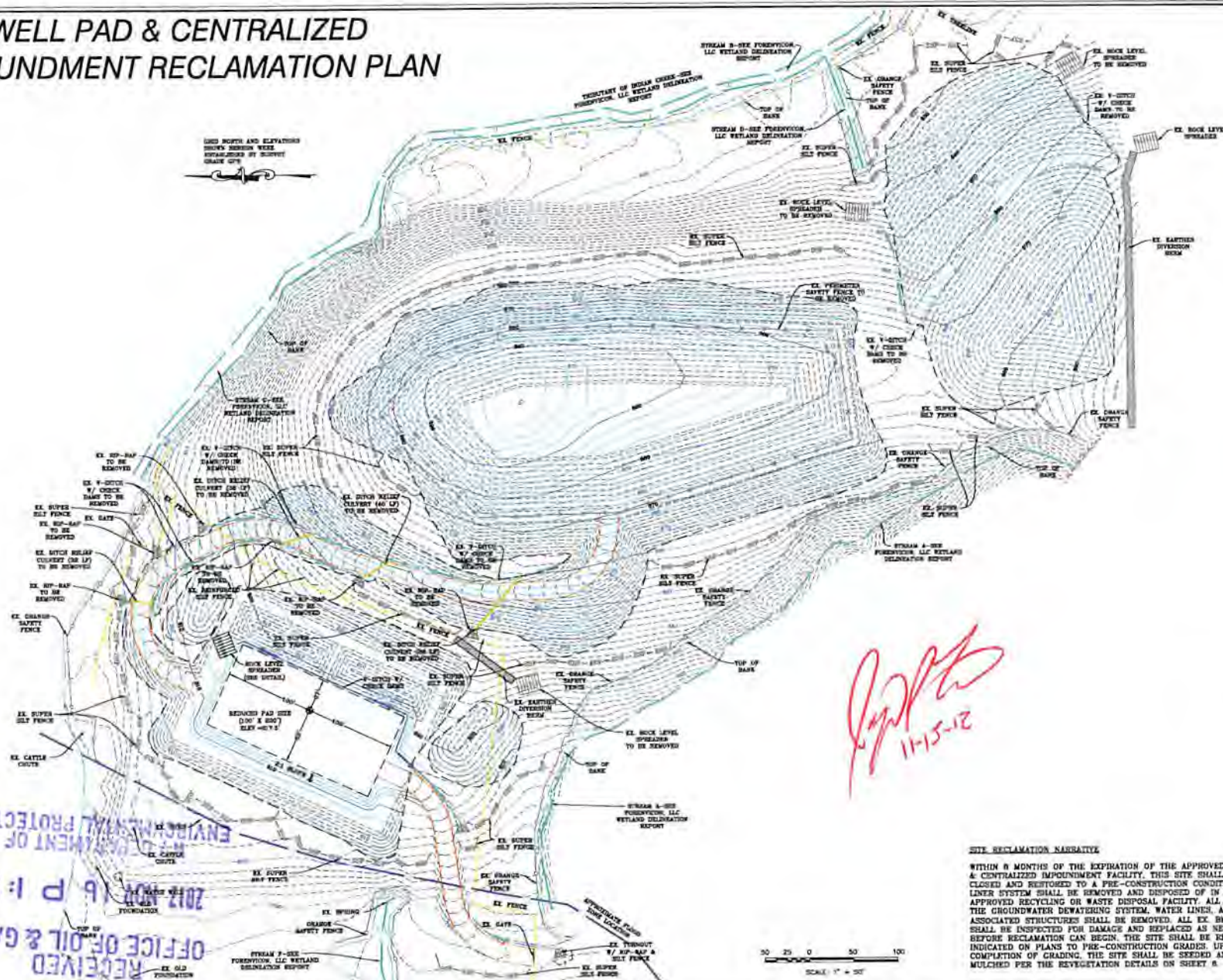
93-02081

WELL PAD & CENTRALIZED IMPOUNDMENT DETAILS

Proposed Centralized Impoundment
 Total Area: 13,717.1 C.F., 1,805.1 C.Y.
 Total Cut: 1,805.1 C.Y., 41,000.0 C.F. (Cut/Spread=1)
 Total Fill: 41,000.0 C.F., 18,000.0 C.Y. (Fill/Spread=1)
 Cut slope percent grade: 50.00%, slope ratio: 2:1
 Fill slope percent grade: 50.00%, slope ratio: 2:1
 Top of dam elevation: 863.0
 Bottom of dam elevation: 851.0
 Top of dam width: 15.0'

Proposed Centralized Impoundment		
Year/Date	Storage (CY)	Description
860-00	2.0	2.0
860-50	1795.4	8605.4
861-00	2871.4	11006.8
861-50	8643.3	11145.9
871-00	9530.9	40830.7
873-00	12061.4	40792.1
878-00	16400.0	40727.7
877-00	21172.1	101818.8
876-00	20074.6	120100.0
881-00	13168.0	110822.0
883-00	37348.4	179179.0

**WELL PAD & CENTRALIZED
IMPOUNDMENT RECLAMATION PLAN**



SITE RECLAMATION NARRATIVE

WITHIN A MONTH OF THE EXPIRATION OF THE APPROVED WELL PAD & CENTRALIZED IMPOUNDMENT FACILITY, THIS SITE SHALL BE CLOSED AND RESTORED TO A PRE-CONSTRUCTION CONDITION. THE LINER SYSTEM SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED RECYCLING OR WASTE DISPOSAL FACILITY. ALL PIPING FOR THE DEWATERED AND DRYED SOLIDS SHALL BE REMOVED. ALL ASSOCIATED STRUCTURES SHALL BE REMOVED. ALL EX-BMP'S SHOWN SHALL BE INSPECTED FOR DAMAGE AND REPLACED AS NECESSARY BEFORE RECLAMATION CAN BEGIN. THE SITE SHALL BE REGRADED AS INDICATED ON PLANS TO PRE-CONSTRUCTION GRADES. UPOON COMPLETION OF GRADING, THE SITE SHALL BE REVEGETATED AND MULCHED PER THE REVEGETATION DETAILS ON SHEET A.

NAVITUS
ENGINEERING INC.

111 Shady Lane, Suite 100
Farmingdale, NY 11735
Telephone: (516) 862-4125
www.navituseng.com

Engineering
Survey
Environmental
GIS

SLS SMITH LAND SURVEYING, INC.
PROFESSIONAL SURVEYING AND ENVIRONMENTAL SERVICES
P.O. Box 150
211 W. Main Street
CT 06455-0150
FAX: 860/462-5006



THIS DOCUMENT WAS
PREPARED BY
NAVITAS ENGINEERING
INC.
FOR JAY NEE CO. &
GAS, INC.

WELL PAD & IMPROVEMENT RECLAMATION PLAN

W 701 LEASE

MCELROY DISTRICT
TYLER COUNTY, WV

DATE: 05/14/2012

SCALE: AS SHOWN

DESIGNED BY: CSE

FILE NO.: 7765

SHEET 4 OF 8

Indian Creek Road / City RT 13

