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 west virginia department of environmental protection
 

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, March 21, 2019  
 WELL WORK PLUGGING PERMIT  
 Vertical Plugging

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

UNION, NJ 070830000

Re: Permit approval for 6  
 47-073-01985-00-00

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

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

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

James A. Martin  
 Chief

Operator's Well Number: 6  
 Farm Name: POWELL, JAMES  
 U.S. WELL NUMBER: 47-073-01985-00-00  
 Vertical Plugging  
 Date Issued: 3/21/2019

## PERMIT CONDITIONS

West Virginia Code §22-6-11 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.

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### CONDITIONS

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1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

WW-4B  
Rev. 2/01

1) Date November 12, 2018  
2) Operator's  
Well No. Jim Powell #6  
3) API Well No. 47-073 - 01985

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

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil XX / Gas XX / Liquid injection \_\_\_\_\_ / Waste disposal \_\_\_\_\_ /  
(If "Gas, Production XX or Underground storage \_\_\_\_\_) Deep \_\_\_\_\_ / Shallow \_\_\_\_\_

5) Location: Elevation 979' Watershed Sugar Creek  
District Union County Pleasants Quadrangle Bens Run 7.5

6) Well Operator Jay-Bee Oil & Gas, Inc. 7) Designated Agent Randy Broda  
Address 3570 Shields Hill Rd Address 3570 Shields Hill Rd.  
Cairo, WV 26337 Cairo, WV 26337

8) Oil and Gas Inspector to be notified 9) Plugging Contractor  
Name Cragin Blevins Name Patchwork Oil & Gas, LLC  
Address 1407 19th St. Address Po Box 168  
Vienna, WV 26105 Davisville, WV 26142

10) Work Order: The work order for the manner of plugging this well is as follows:

Work Order attached.

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector J Cragin Blevins Date 1/3/2019

Work Order Attachment

47-073-01985

Powell #6

*Run Bond log when necessary to find cement top. Gel spacers in between all cement plugs.*

1. Prepare plugging permit application.
2. Certify to surface and coal owners as necessary.
3. Certify and/or email to designated State inspector for signature.
4. Once all signatures are obtained, copy for our records and certify at the state level for approval.
5. Receive plugging permit good for 2 years.
6. Notify the designated State inspector 24 hours prior to commencing operations.
7. Move rig and equipment to location.
8. Attempt to clean out well bore, pull rods and tubing, if necessary.
9. Verify total depth of 2087'. *TP ≈ 2150'*
10. Run 6% Bentonite gel
11. Run tubing to 50' below the bottom of the first set of perforations (2027-2039) and 50' above the perforations. Set bottom plug with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 1977' to TD.
12. Pull tubing back, wait for cement to set.
13. Run in and tag plug, add additional cement if needed.
14. Run 6% Bentonite gel
15. Run bond log and shoot casing at free point. *≈ 1450'*
16. Cut 4 ½ Casing
17. Place the second plug through the 4 ½" (minimum 100') across the casing cut using Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives. (1637' ish; will probably end up higher)

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18. Pull 4 ½" back to 50' below the bottom of the elevation (979') set third plug with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives covering the elevation from 929' to 1029'.
19. Pull 4 ½" back to 50' below the 7" casing shoe and place a plug with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 358'-258'.
20. Pull 4 ½" back to 100' and set surface plug with Class A cement with no more than 3% CaCl<sub>2</sub> and no other additives from 100' to surface.
21. Pull tubing out
22. Set 3' high x 7" casing with concrete; add API for identification.
23. RDMO
24. Reclaim location.
25. Prepare WR-34 & WR-35 for permit release

Note: Using cut 4 ½ to plug out of hole to keep from the hole collapsing on way out.

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DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

13 Perfs 2027' - 2039'

Fraced with 750 bbls. H2O, 19,950 lbs. 20/40 Sand

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale			0	70	fresh water
Gray Shale			70	260	
Red Shale			260	415	
Shale & Sandstone			415	760	
Gray Shale			760	815	
Red Shale			815	992	
Cow Run			992	1005	
Big Lime			1770	1850	
Shale			1850	2150 TD	

(Attach separate sheets as necessary)

American Pipeline & Exploration Company  
Well Operator

By: *Bernard Liu*

Date: April 28, 1966

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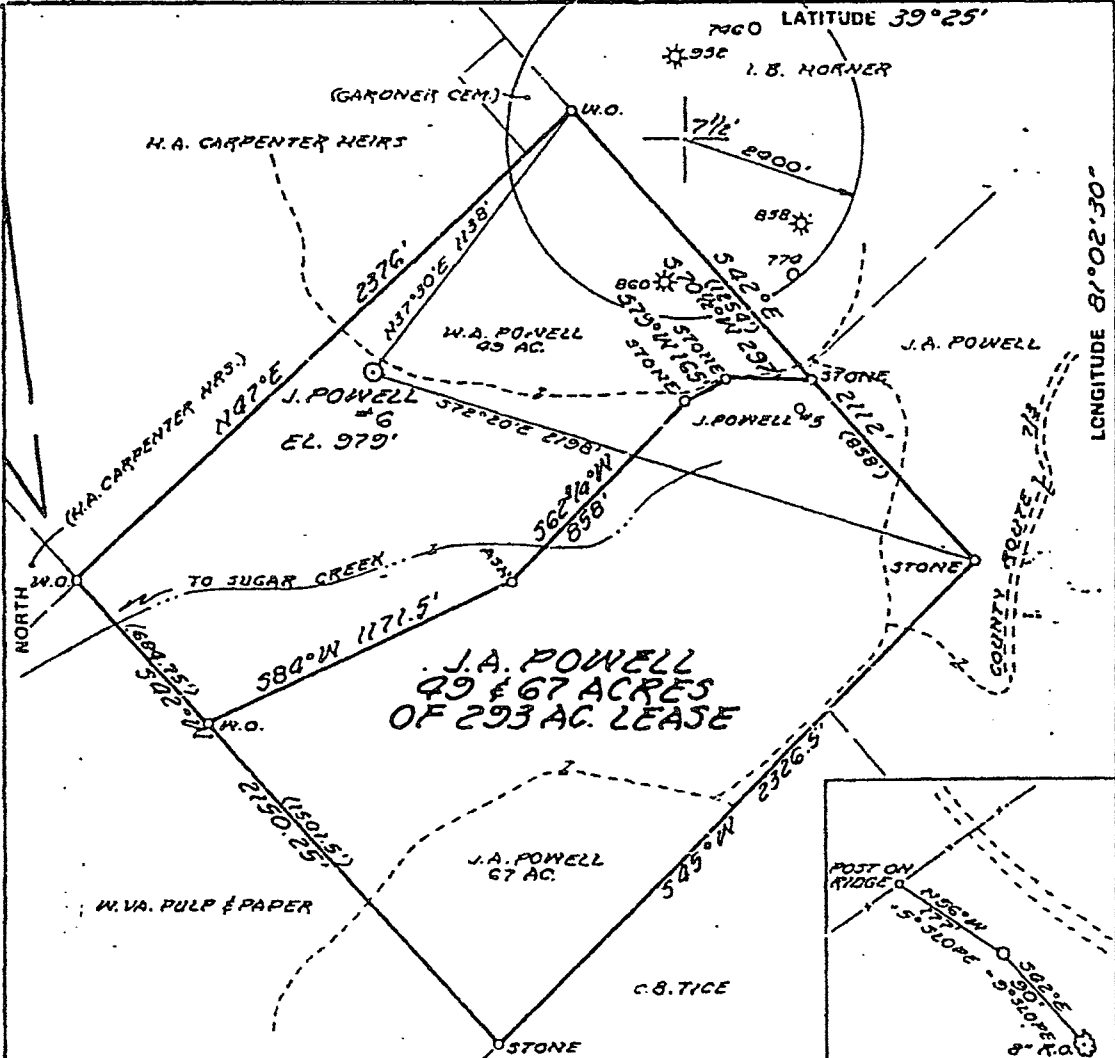
WV Department of  
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Note: Regulation 2.02(i) provides as follows:  
"The term 'log' or 'well log' shall mean a systematic  
detailed geological record of all formations, including  
coal, encountered in the drilling of a well."

47-073-01985P

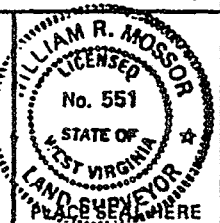
DN 11-25-85

03/22/2019



FILE NO. MB2-6  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1:200  
 PROVEN SOURCE OF ELEVATION HIGH PT. 1058' 3700' SE OF LOC.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.  
 (SIGNED) William R. Mossor  
 R.P.E. \_\_\_\_\_ L.L.S. 551



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 FORM IV-6 (8-78)



DATE 28 OCTOBER 19 85  
 OPERATOR'S WELL NO. J. POWELL #6  
 API WELL NO. \_\_\_\_\_  
47 - 073 - 1985  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 979' WATER SHED SUGAR CREEK  
 DISTRICT UNION COUNTY PLEASANTS  
 QUADRANGLE BENS RUN 7 1/2'  
 SURFACE OWNER W.A. POWELL ACREAGE 49  
 OIL & GAS ROYALTY OWNER J.A. POWELL LEASE ACREAGE 293

LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  CONVERT \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ PLUG OFF OLD FORMATION \_\_\_\_\_ PERFORATE NEW \_\_\_\_\_  
 FORMATION \_\_\_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AND ABANDON \_\_\_\_\_ CLEAN OUT AND REPLUG \_\_\_\_\_  
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2200'  
 WELL OPERATOR AMERICAN PIPELINE DESIGNATED AGENT BERNARD TICE  
 ADDRESS 210 SECOND ST., P.O. BOX C ST. MARYS, W.V. 26170 ADDRESS 210 SECOND ST., P.O. BOX C ST. MARYS, W.V. 26170

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 JAN 15 2019  
 WV Department of Environmental Protection



WW-4A  
Revised 6-07

1) Date: November 12, 2018  
2) Operator's Well Number  
Jim Powell #6  
3) API Well No.: 47 - 073 - 01985

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

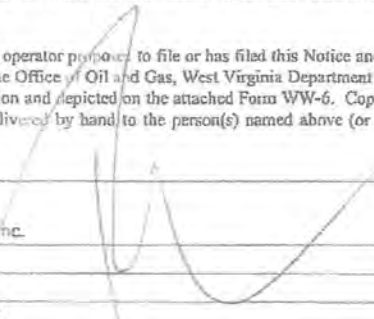
4) Surface Owner(s) to be served:	5) (a) Coal Operator
(a) Name James A. Powell	Name _____
Address 1757 N Pleasants Hwy St. Mary's, WV 26170	Address _____
(b) Name Jason M. Powell	(b) Coal Owner(s) with Declaration
Address 616 Dewey Ave. St. Mary's, WV 26170	Name _____
Jefferey W. Powell	Address _____
(c) Name 11728 Channingway Blvd, The Plains, OH 45760	Name _____
Address Joseph P. Powell	Address _____
1691 N. Pleasants Hwy St. Mary's, WV 26170	
6) Inspector Cragin Blevins	(c) Coal Lessee with Declaration
Address 1407 19th St.	Name _____
Vienna, WV 26105	Address _____
Telephone 304-382-5933	

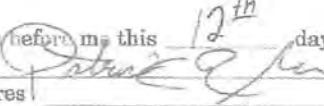
TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator Jay-Bee Oil & Gas, Inc.  
 By:   
 Its: Designated Agent  
 Address 3570 Shields Hill Rd.  
 Cairo, WV 26337  
 Telephone 304-628-3111

Subscribed and sworn before me this 12<sup>th</sup> day of December, 2018  
 Notary Public  
 My Commission Expires October 25, 2018

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Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a 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 of your personal information, please contact DEP's Chief Privacy Officer at [privacy@dep.wv.gov](mailto:privacy@dep.wv.gov).

WW-9  
(5/16)

API Number 47 - 073 - 01985  
Operator's Well No. J.M. Powell #10

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS  
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Jay-Bee Oil & Gas, Inc. OP Code 307600

Watershed (HUC 10) Sugar Creek Quadrangle Bens Run 7.5

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

Will a pit be used? Yes  No

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

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

Proposed Disposal Method For Treated Pit Wastes:

- Land Application (if selected provide a completed form WW-9-GPP)
- Underground Injection ( UIC Permit Number \_\_\_\_\_ )
- Reuse (at API Number \_\_\_\_\_ )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Vac truck will be used for any fluids used in plugging procedures and disposed of properly.)

JCS  
1/3/2019

Will closed loop system be used? If so, describe: n/a

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

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

Additives to be used in drilling medium? n/a

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. n/a

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

-Landfill or offsite name/permit number? n/a

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

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, 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 \_\_\_\_\_

Company Official (Typed Name) Randy Broda

Company Official Title President (Designated Agent)

Subscribed and sworn before me this 12<sup>th</sup> day of December, 2018

Patrick Nolan Notary Public

My commission expires October 25, 2018

Form WW-9

Operator's Well No. Jim Powell #4

Proposed Revegetation Treatment: Acres Disturbed 1 Prevegetation pH 5.5

Lime 1-2 Tons/acre or to correct to pH 6.5

Fertilizer type 5-10-10

Fertilizer amount 500 lbs/acre

Mulch Straw Tons/acre

Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
		Pasture Mix	200

Attach:

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

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: J Cragin Blevins

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

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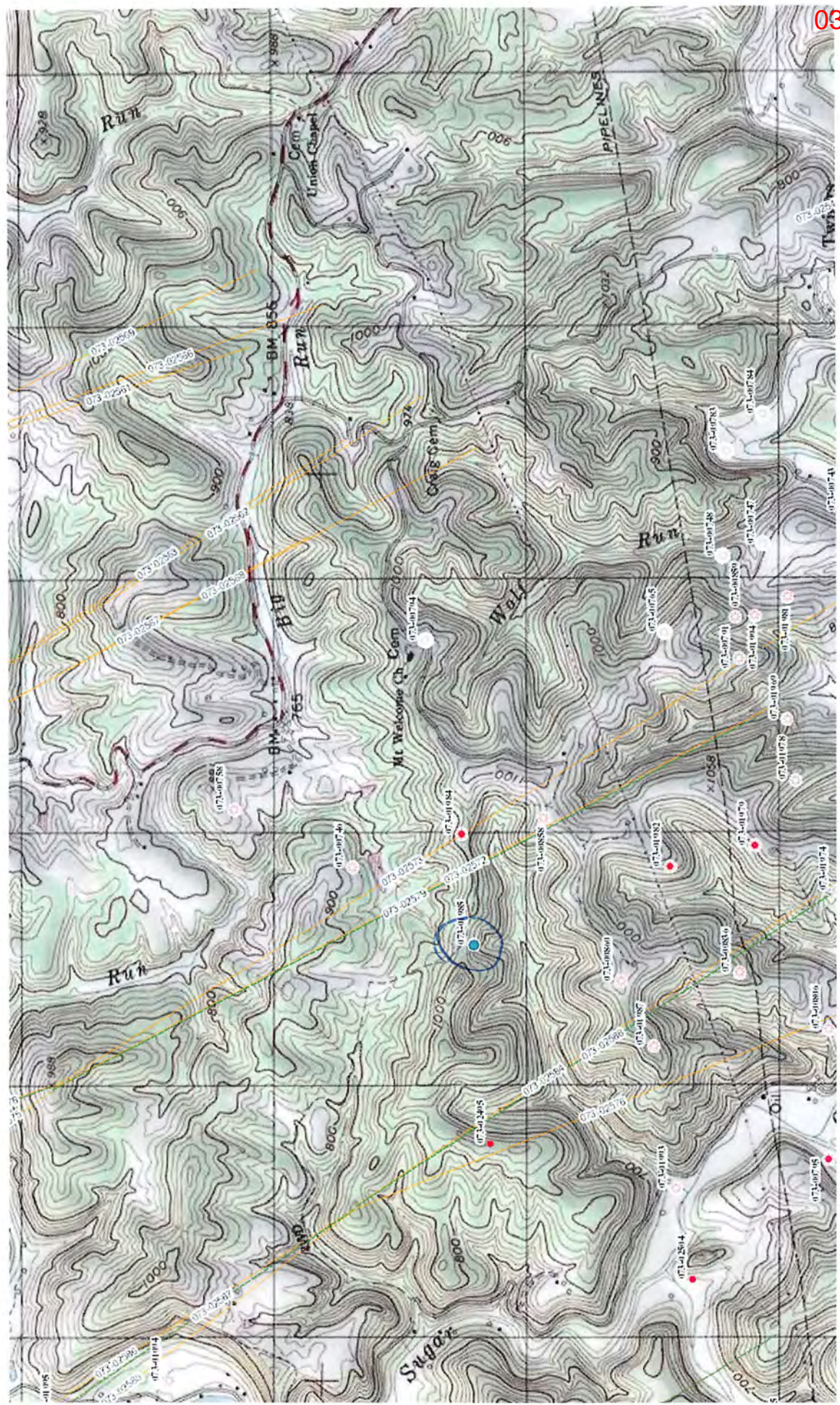
Title: Oil and Gas Inspector

Date: 1/3/2019

Field Reviewed? (  ) Yes (  ) No



7





WW-7  
8-30-06



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
WELL LOCATION FORM: GPS

API: 47-073-01985 WELL NO.: #6

FARM NAME: Jim Powell

RESPONSIBLE PARTY NAME: Jay-Bee Oil & Gas, Inc.

COUNTY: Pleasants DISTRICT: Union

QUADRANGLE: Bens Run 7.5'

SURFACE OWNER: James A. Powell, Jason M. Powell, Jeffrey W. Powell & Joseph P. Powell

ROYALTY OWNER: Same

UTM GPS NORTHING: 4362415

UTM GPS EASTING: 494576.7 GPS ELEVATION: 979'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS  : Post Processed Differential

Real-Time Differential

Mapping Grade GPS  : Post Processed Differential

Real-Time Differential

4. Letter size copy of the topography map showing the well location.

I, the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

  
Signature

Designated Agent President  
Title

12-12-2018  
Date

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