

09/28/2018



west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, September 26, 2018
WELL WORK PLUGGING PERMIT
Vertical Plugging

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


UNION, NJ 070830000

Re: Permit approval for 7
47-073-01201-00-00

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: 7
Farm Name: RENNER
U.S. WELL NUMBER: 47-073-01201-00-00
Vertical Plugging
Date Issued: 9/26/2018

Promoting a healthy environment.

H

47-073-01201P
09/28/2018

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.

CONDITIONS

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 August 27th 09/28/2018
- 2) Operator's
Well No. Howard A. Renner #7
- 3) API Well No. 47-073 -01201

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 ___ / Gas ___ / Liquid injection ___ / Waste disposal ___ /
(If "Gas, Production ___ or Underground storage ___) Deep ___ / Shallow ___
- 5) Location: Elevation 905' Watershed Middle Island Creek
District Union County Pleasants Quadrangle Bens Run 7.5
- 6) Well Operator Jay-Bee Oil & Gas, Inc. 7) Designated Agent Shane Dowell
Address 3570 Shields Hill Rd Address 3570 Shields Hill Rd
Cairo, WV 26337 Cairo, WV 26337
- 8) Oil and Gas Inspector to be notified
Name Cragin Blevins
Address 1407 19th Street
Vienna, WV 26105
- 9) Plugging Contractor
Name Patchwork Oil & Gas, LLC
Address PO Box 168
Davisville, WV 26142

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

Plugging procedures to follow

RECEIVED
Office of Oil and Gas

SEP 5 2018

WV Department of
Environmental Protection

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 8/30/2018

09/28/2018

Work Order Attachment

47-109-01462

Howard A. Renner #7

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 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. Verify total depth of 4966'.
9. Attempt to clean out well bore, pull rods and tubing, if necessary.
10. Run gel
11. Run tubing to 50' below the bottom of the 1st set of perforations (4871'-4875') set first plug with Class A cement with no more than 3% CaCl₂ and no other additives from 4925' to 4821'.
12. Pull tubing back, wait 8 hours.
13. Run in and tag plug, add additional cement if needed.
14. Run 6% Bentonite gel
15. Run tubing to 50' below the bottom of the 2nd set of perforations (4533-4665') set second plug with Class A cement with no more than 3% CaCl₂ and no other additives from 4715' to 4483'.
16. Pull tubing back, wait 8 hours.
17. Run in and tag plug, add cement if needed.
20. Begin looking for free point.

RECEIVED
Office of Oil and Gas

SEP 5 2018

WV Department of
Environmental Protection

★ APPROXIMATE FREEPOINT OF 4 1/2" APPEARS TO BE 2100' - 2400'
FROM SURFACE. THIS WILL LEAVE - GAS & WATER IN BIG INJUN
EXPOSED AT 1760' - 1950' AND COAL @ 1190', 1288' & 1455'.

*
SEE BELOW

21. Cut and remove casing and place the third 100' plug across the casing cut using Class A cement with no more than 3% CaCl₂ and no other additives.

22. Pull tubing back, wait 8 hours.

23. Run in and tag plug, add cement if needed.

* ~~24. Pull tubing to 50' below the bottom of the 8 5/8 set fourth plug with Class A cement with no more than 3% CaCl₂ and no other additives covering the 8 5/8 casing shoe and elevation from 1085' to 855'.~~

25. Pull tubing back, wait 8 hours.

26. Run in and tag plug, add cement if needed.

27. Pull tubing back to 100' and place a surface plug and remove plugging string.

28. Set 3' high x 7" casing with concrete; add API for identification.

29. RDMO

30. Reclaim location.

31. Prepare WR-34 & WR-35 for permit release

* 2A SET CLASS A CEMENT PLUG WITH NO MORE THAN 3% CaCl₂ AND NO OTHER ADDITIVES FROM 50' BELOW CASING CUT 2150' (IF CUT IS 2100') TO 2050'. IF CASING CUT IS ABOVE 1600', THEN THE PLUG REFERRED TO IN LINE 21. SHALL BE SET FROM 1500' TO 850' TO COVER COAL AT 1190', 1288', & 1455', ALONG WITH ELEVATION AT 905'. THIS PLUG SHALL BE CLASS A CEMENT WITH NO MORE THAN 3% CaCl₂ AND NO OTHER ADDITIVES.

NOTE: COALS MUST BE COVERED W/ CLASS A CEMENT PLUG, NO MATTER IF THEY ARE BEHIND CASING OR NOT

RECEIVED
Office of Oil and Gas

SEP 5 2018

WV Department of
Environmental Protection

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Bens Run
Permit No. 47-073-1201

Rotary X Oil _____
Cable _____ Gas _____
Recycling _____ Comb. X
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company B.K.K. Prospecting, LTD
Address 45 North Road, Niles, Ohio 44446
Farm Howard A Renner Acres 134.17
Location (waters) Middle Island Creek
Well No. 7 Elev. 905'
District Union County Pleasants
The surface of tract is owned in fee by Howard A. Renner
Address Bens Run, WV
Mineral rights are owned by Same
Address _____
Drilling Commenced 5/17/81
Drilling Completed 5/24/81
Initial open flow 20 cu. ft. 0 bbl.
Final production Testing cu. ft. per day Testing bbl.
Well open 2 hrs. before test 1425 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Skts.) |
|-------------------|------------------|--------------|--------------------------------|
| Size 20-16 | | | |
| Cond. 13-10" | | | |
| 9 5/8 | | | |
| 8 5/8 | 1035 | 1035 | Cem. to surf. |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | | 4966' | 500 sks |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details: Attach copy of cementing record.
Perforated 4533 - 4665 shots 4871 - 4875 - 3 shots. Fractured with 60,000# Sand
540 MCF Nitrogen 260 BBL Water

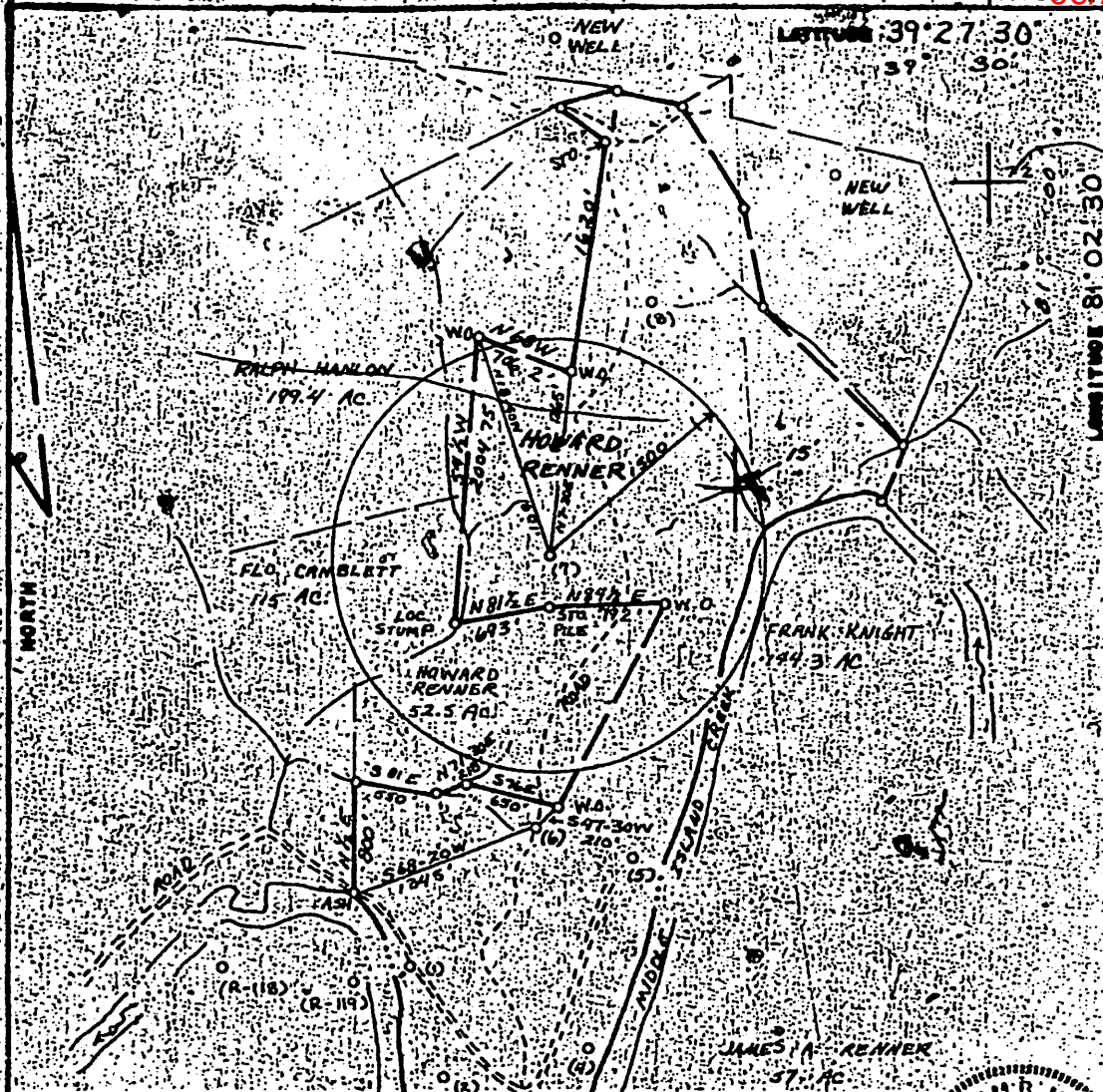
Coal was encountered at 1190, 1288, 1455 Feet 120 Inches
Fresh water 90 Feet 0 Salt Water Feet
Producing Sand Devonian Shale Depth 3200'-4400'

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | Remarks |
|--------------|-------|--------------|----------|-------------|-------------------|-----------------------|
| Soil | Brown | Soft | 0 | 3 | | |
| Sand & Shale | | Hard | 3 | 1000 | | |
| Shale | Gray | " | 1000 | 1150 | | |
| Sandstone | Gray | " | 1150 | 1180 | | |
| Shale | Gray | " | 1180 | 1330 | | |
| Sandstone | Gray | " | 1330 | 1550 | | |
| Shale | Gray | " | 1550 | 1640 | | |
| Sandstone | Gray | " | 1640 | 1690 | | |
| Limestone | White | " | 1690 | 1760 | | |
| Sandstone | | " | 1760 | 1950 | | Gas & Water Big Injun |
| Shale | | " | 1950 | 2724 | | Gordon |
| Sandstone | | " | 2724 | 2740 | | Oil & Gas |
| Shale | | " | 2740 | 5130 | | Dev. Shale |

RECEIVED
Office of Oil and Gas
SEP 5 2018
WV Department of Environmental Protection

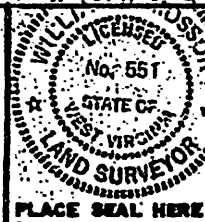
(over)
Indicates Electric Log tops in the remarks section.

68/28/2018



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION Bridge BH 636

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. Rosson*
 R.P.E. _____ L.L.S. 551



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

DATE 8 April 19 80
 OPERATOR'S WELL NO. 7
 API WELL NO. 47-073-1201
 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 905 WATER SHED Middle Island Creek
 DISTRICT Union COUNTY Pleasants
 QUADRANGLE Bens Run W.Va. 7th Quad.
 SURFACE OWNER Howard A. Renner ACREAGE 134.7
 OIL & GAS ROYALTY OWNER Howard A. Renner LEASE ACREAGE 300
 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 Oil shale ESTIMATED DEPTH 4750
 WELL OPERATOR Lauderman O+G DESIGNATED AGENT Phillip Morgan
 ADDRESS Box 266 ADDRESS 311 4th Ave.
 Paden City, W.Va. 26159 Paden City, W.Va. 26159

RECEIVED
 Office of Oil and Gas
 SEP 5 2018
 WV Department of Environmental Protection



Select County: (073) Pleasants Select datatypes: (Check All)

Enter Permit #: 01201

Location Production Plugging
 Owner/Completion Stratigraphy Sample
 Pay/Show/Water Logs Btm Hole Loc

Get Data Reset

[Table Descriptions](#)
[County Code Translations](#)
[Permit-Numbering Series](#)
[Usage Notes](#)
[Contact Information](#)
[Disclaimer](#)
[WVGES Main](#)
["Pipeline-Plus" New](#)

WV Geological & Economic Survey:

Well: County = 73 Permit = 01201

Report Time: Monday, September 24, 2018 7:56:16 AM

Location Information: [View Map](#)

| API | COUNTY | PERMIT | TAX_DISTRICT | QUAD_75 | QUAD_15 | LAT_DD | LON_DD | UTME | UTMN |
|------------|-----------|--------|--------------|----------|-----------|-----------|------------|----------|-----------|
| 4707301201 | Pleasants | 1201 | Union | Bens Run | St. Marys | 39.451739 | -81.047485 | 495914.5 | 4366909.5 |

There is no Bottom Hole Location data for this well

Owner Information:

| API | CMP_DT | SUFFIX | STATUS | SURFACE_OWNER | WELL_NUM | CO_NUM | LEASE | LEASE_NUM | MINERAL_OWN | OPERATOR_AT_COMPLETION | PROP_VD | PROP_TRGT_FM | TFM_EST_PR |
|------------|-----------|--------|--------------|---------------|-----------------|--------|-------|-----------|-------------|------------------------------|---------|--------------|------------|
| 4707301201 | 5/24/1981 | | Original Loc | Completed | Howard A Renner | 7 | | | | Lauderman Oil & Gas Drilling | | | |

Completion Information:

| API | CMP_DT | SPUD_DT | ELEV DATUM | FIELD | DEEPEST_FM | DEEPEST_FMT | INITIAL_CLASS | FINAL_CLASS | TYPE | RIG | CMP_MTHD | TVD | TMD | NEW_FTG | KOD | G_BEF | G_AFT |
|------------|-----------|-----------|------------------|----------------|---------------|---------------|------------------|--------------|-----------------|--------|-----------|------|-----|---------|-----|-------|-------|
| 4707301201 | 5/24/1981 | 5/17/1981 | 905 Ground Level | Shloh-Wck Area | Angola Sh Mbr | Angola Sh Mbr | Development Well | Unsuccessful | Dry w/ O&G Show | Rotary | Fractured | 5130 | | 5130 | | 0 | |

Pay/Show/Water Information:

| API | CMP_DT | ACTIVITY | PRODUCT | SECTION | DEPTH_TOP | FM_TOP | DEPTH_BOT | FM_BOT | G_BEF | G_AFT | O_BEF | O_AFT | WATER_QNTY |
|------------|-----------|----------|-------------|----------|-----------|-------------|-----------|---------|-------|-------|-------|-------|------------|
| 4707301201 | 5/24/1981 | Water | Fresh Water | Vertical | | | 90 | | | | | | 0 |
| 4707301201 | 5/24/1981 | Water | Fresh Water | Vertical | | | 120 | | | | | | 0 |
| 4707301201 | 5/24/1981 | Show | Gas | Vertical | 4533 | Lower Huron | 4875 | Java Fm | 0 | 0 | | | |

Production Gas Information: (Volumes in Mcf)

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_GAS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|-----------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4707301201 | BKK Prospecting, Ltd. | 1981 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 21 |
| 4707301201 | BKK Prospecting, Ltd. | 1982 | 370 | 0 | 0 | 0 | 0 | 370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4707301201 | BKK Prospecting, Ltd. | 1983 | 668 | 0 | 0 | 0 | 0 | 93 | 48 | 7 | 73 | 49 | 359 | 24 | 14 |
| 4707301201 | BKK Prospecting, Ltd. | 1984 | 317 | 0 | 31 | 53 | 36 | 35 | 57 | 48 | 32 | 25 | 0 | 0 | 0 |
| 4707301201 | BKK Prospecting, Ltd. | 1991 | 60 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Production Oil Information: (Volumes in Bbl) ** some operators may have reported NGL under Oil

| API | PRODUCING_OPERATOR | PRD_YEAR | ANN_OIL | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DCM |
|------------|-----------------------|----------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4707301201 | BKK Prospecting, Ltd. | 1981 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| 4707301201 | BKK Prospecting, Ltd. | 1982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 |
| 4707301201 | BKK Prospecting, Ltd. | 1983 | 413 | 0 | 0 | 172 | 83 | 0 | 0 | 73 | 0 | 0 | 0 | 85 | 0 |
| 4707301201 | BKK Prospecting, Ltd. | 1984 | 164 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 0 | 78 | 0 | 0 |
| 4707301201 | BKK Prospecting, Ltd. | 1991 | | | | | | | | | | | | | |

There is no Production NGL data for this well ** some operators may have reported NGL under Oil

There is no Production Water data for this well

Stratigraphy Information:

| API | SUFFIX | FM | FM_QUALITY | DEPTH_TOP | DEPTH_QUALITY | THICKNESS | THICKNESS_QUALITY | ELEV DATUM |
|------------|--------------|----------------------|--------------|-----------|---------------|-----------|-------------------|-------------------|
| 4707301201 | Original Loc | Blue Monday | Well Record | 1640 | Reasonable | 50 | Reasonable | 905 Ground Level |
| 4707301201 | Original Loc | Greenbrier Group | Well Record | 1690 | Reasonable | 70 | Reasonable | 905 Ground Level |
| 4707301201 | Original Loc | Big Lime | Well Record | 1690 | Reasonable | 70 | Reasonable | 905 Ground Level |
| 4707301201 | Original Loc | Big Injun (undiff) | Well Record | 1760 | Reasonable | 190 | Reasonable | 905 Ground Level |
| 4707301201 | Original Loc | Base of Greenbrier | Electric Log | 1773 | Reasonable | 0 | Reasonable | 915 Kelly Bushing |
| 4707301201 | Original Loc | UDev undf.Ber/LoHURN | Electric Log | 2314 | Reasonable | 1214 | Reasonable | 915 Kelly Bushing |
| 4707301201 | Original Loc | Gordon | Well Record | 2724 | Reasonable | 16 | Reasonable | 905 Ground Level |
| 4707301201 | Original Loc | Lower Huron | Electric Log | 3528 | Reasonable | 1145 | Reasonable | 915 Kelly Bushing |
| 4707301201 | Original Loc | Java Fm | Electric Log | 4673 | Reasonable | 221 | Reasonable | 915 Kelly Bushing |
| 4707301201 | Original Loc | Angola Sh Mbr | Electric Log | 4894 | Reasonable | 0 | Reasonable | 915 Kelly Bushing |

Wireline (E-Log) Information:

| API | LOG_TOP | LOG_BOT | DEEPEST_FML | LOGS_AVAIL | SCAN | DIGITIZED | GR_TOP | GR_BOT | D_TOP | D_BOT | N_TOP | N_BOT | L_TOP | L_BOT | T_TOP | T_BOT | S_TOP | S_BOT | O_TOP | O_BOT | INCH2 | INCH5 |
|------------|---------|---------|-------------|------------|------|-----------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 4707301201 | 1000 | 5129 | | G,D,N,C | Y | N | 1000 | 5122 | 1000 | 5129 | 1000 | 5120 | | | | | | | 1000 | 5129 | N | Y |

Comment: *logs: caliper

Downloadable Log Images: We advise you to save the log image file to your PC for viewing. To do so, right-click the .tif image of interest and select the save option. Then you can direct the file to a location of your choice. Please note these images vary in size and some may take several minutes to download, especially if using a 56k or slower dialup connection.

Quick Reference Guide for Log File Names For more info about WVGES scanned logs click [here](#)

geologic log types:

- d density (includes bulk density, compensated density, density, density porosity, grain density, matrix density, etc.)
- e photoelectric adsorption (PE or Pe, etc.)
- g gamma ray
- i induction (includes dual induction, medium induction, deep induction, etc.)
- j laterolog
- m dipmeter
- n neutron (includes neutron porosity, sidewall neutron-SWN, etc.)
- o other¹
- s sonic or velocity
- t temperature (includes borehole temperature, BHT, differential temperature, etc.)
- z spontaneous potential or potential

mechanical log types:

- b cement bond
- c caliper
- o other¹
- p perforation depth control or perforate

¹other logs may include, but are not limited to, such curves as audio, bit size, CCL--casing collar locator, continuous meter, directional survey, gas detector, guard, NCTL--Nuclear Cement Top Locator, radioactive tracer, tension

There is no Plugging data for this well

There is no Sample data for this well

★ CALIPER LOG INDICATES PRODUCTION
HOLE WAS DRILLED W/ 7 7/8" BIT.

JMM

WW-4A
Revised 6-07

1) Date: August 27th, 2018
2) Operator's Well Number
Howard A. Renner #7
3) API Well No.: 47 - 073 - 01201

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 Jay Renner | Name n/a |
| Address 2578 Cedar Run Rd Friendly, WV 26146 | Address |
| (b) Name | (b) Coal Owner(s) with Declaration |
| Address | Name n/a |
| | Address |
| (c) Name | Name |
| Address | Address |
| 6) Inspector Cragin Blevins | (c) Coal Lessee with Declaration |
| Address 1407 19th Street Vienna, WV 26105 | Name n/a |
| Telephone 304-382-5933 | Address |

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: [Signature]
 Its: Designated Agent
 Address 3570 Shields Hill Rd
 Cairo, WV 26337
 Telephone (304) 628-3111

RECEIVED
Office of Oil and Gas
SEP 5 2018
WV Department of
Environmental Protection

Subscribed and sworn before me this 28th day of August 2018
Teresa R. Hall Notary Public
My Commission Expires Oct 08 2019

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 depprivacyofficer@wv.gov.

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

7035 0640 0001 4626 0132

OFFICIAL USE

FRIENDLY, WV 26146

0763
05

Postmark
Here

| | |
|--|---------------|
| Certified Mail Fee | \$3.45 |
| Extra Services & Fees (check box, add fees as appropriate) | \$2.75 |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$0.00 |
| <input type="checkbox"/> Return Receipt (electronic) | \$0.00 |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$0.00 |
| <input type="checkbox"/> Adult Signature Required | \$0.00 |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$0.00 |
| Postage | \$1.42 |
| Total Postage and Fees | \$7.62 |

Sent To: Jay Renner

Street and Apt. No., or PO Box No.: 2578 Cedar Run Rd

City, State, ZIP+4®: Friendly, WV 26146

PS Form 3800, April 2013 PSN 7530-02-000-9047 See Reverse for Instructions

08/29/2018

RECEIVED
 Office of Oil and Gas
 SEP 5 2018
 WV Department of
 Environmental Protection

WW-9
(5/16)

API Number 47 - 073 - 01201
Operator's Well No. Howard A. Renner 7

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) Middle Island 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, no pit will be used.)

JCS
8/30/2018

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

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

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

Additives to be used in drilling medium?

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

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

-Landfill or offsite name/permit number?

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 *[Signature]*

Company Official (Typed Name) Shane Dowell

Company Official Title Designated Agent

RECEIVED
Office of Oil and Gas

SEP 5 2018

WV Department of Environmental Protection

Subscribed and sworn before me this 28th day of August, 20 18

Teresa R. Hall

Notary Public

My commission expires Oct 9th 2019



Proposed Revegetation Treatment: Acres Disturbed 3.2 Prevegetation pH 6.67

Lime 2 Tons/acre or to correct to pH 6.5

Fertilizer type 10-10-20 equivalent

Fertilizer amount 500 lbs/acre

Mulch Straw Tons/acre

Seed Mixtures

Temporary

Permanent

Seed Type lbs/acre

Seed Type lbs/acre

Tall Fescue 40

Ladino Clover 5

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: _____

RECEIVED
Office of Oil and Gas

SEP 5 2018

WV Department of
Environmental Protection

Title: Oil and Gas Inspector Date: 8/30/2018

Field Reviewed? () Yes () No

WW-7
8-30-06



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

API: 47-073-01201 WELL NO.: #7

FARM NAME: Howard A. Renner

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

COUNTY: Pleasants DISTRICT: Union

QUADRANGLE: Bens Run 7.5

SURFACE OWNER: Jay Renner

ROYALTY OWNER: Jay Renner

UTM GPS NORTHING: 4366909.5

UTM GPS EASTING: 495914.5 GPS ELEVATION: 905'

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.

Designated Agent

Title

5-28-18

Date

RECEIVED
Office of Oil and Gas

SEP 5 2018

WV Department of
Environmental Protection