



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

February 27, 2014

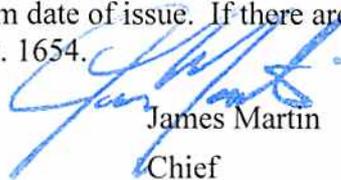
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8507620, 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.

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. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalties being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.



James Martin
Chief

Operator's Well No: DAVIS 1 (1629)
Farm Name: IRELAND, LYNWOOD KAY
API Well Number: 47-8507620
Permit Type: Plugging
Date Issued: 02/27/2014

Promoting a healthy environment.

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.

1) Date _____, 20____
2) Operator's
Well No. Davis 1 (1629)
3) API Well No. 47-085 - 07620

8507620 P

CK 431323
10000

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 X / Gas _____ / Liquid injection _____ / Waste disposal _____ /
(If "Gas, Production _____ or Underground storage _____) Deep _____ / Shallow X

5) Location: Elevation 761' Watershed Hughes River, South Fork
District Union 04 County Ritchie 85 Quadrangle Pullman 7.5' 562

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

8) Oil and Gas Inspector to be notified Name David Cowan 9) Plugging Contractor Name Jay-Bee Oil & Gas, Inc
Address 1597 Devil Hole Road Address 3570 Shields Hill Rd
Harrisville, WV 26362-7543 Cairo, WV 26337

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

Pull Inner Casing Strings as Required:

- ^{1700'} 1789'-1300' 6% Gel, ^{1700'-1500' CEMENT} 1300'-1200' Cement
- ^{1500'} 1200'-900' 6% Gel, 900'-800' Cement
- 800'-405' 6% Gel, 405'-300' Cement
- 300'-100' 6% Gel, 100'-0' Cement

gwm First CEMENT PLUG SHOULD BE JUST ABOVE SHOT (~ 20').

Monument 3' above ground with a welded API

RECEIVED
Office of Oil and Gas

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

FEB 2 0 2014

Work order approved by inspector



WV Department of Environmental Protection
2-18-14

0857620

8507620P

LEASE NO. 710 ACRES 53 FARM NAME Perry Davis

| | | | | |
|---------------------|-------------------|----------------|----------------|-----------|
| N. 20 E. W. 17 | Location | Made | Purchased From | P. O. No. |
| City Danes | Union | Rig Completed | Date Purchased | 3-2-01 |
| County Ritchie | Dr's Core started | 10-21-01 | Sold To | |
| State U. Va. | Dr's Completed | 11-13-01 | Date Sold | |
| Oil Rights Owned By | Dr's Contractor | Kelly Drg. Co. | Date Abandoned | |

FORMATION

| Kind | Top | Bottom | Set Log | Top |
|---------------|------|--------|---------|-----|
| Pgh. Coal | 295 | 400 | | |
| Red Rock Cavo | 420 | 900 | | |
| Coal Run Ist. | 900 | 900 | | |
| 1st. Galt | 1300 | 1285 | | |
| Water | 1715 | | | |
| Lower | 1180 | 1620 | | |
| Big Line | 1440 | 1744 | | |
| Big Injun | 1744 | 1775 | | |
| Oil | 1747 | 1757 | | |
| Total Depth | | 1789 | | |

CASING RECORD

| Size | Bottom Casing | Top of Well | Total | Case |
|---------|---------------|-------------|-------|------|
| 10" | | 130 | 130 | Oil |
| 8" | | 90 | 90 | Seal |
| 6-5/8" | | 1685 | | Top |
| 5-3/16" | | 1042 | | Top |
| 5-3/16" | | 1772 | | |

PACKERS AND SHOES

| Kind | Size | Depth Set | Use |
|-----------------|---------------|-----------|-------|
| Disco Wall Pkr. | 6-5/8x5-3/16" | 1042 | 10-11 |

TOURNEO RECORD

| Date | No. Qts | Size Shell | Top Size | Bottom | Use |
|----------|---------|------------|----------|--------|-----|
| 12-30-01 | 5 | | | | |
| 3-19-02 | 5 | | | | |
| 9-12-02 | 10 | | | | |
| 6-13-03 | 15 | | | | |
| 6-15-04 | 30 | | | | |
| 7-20-06 | 60 | | | | |
| 11-2-15 | 20 | | | | |
| 11-22-15 | 60 | | | | |
| 8-27-09 | 30 | | | | |

DRILLING DECKER

| Commenced | Completed | General | Part | Use |
|-----------|-----------|---------|------|-----|
| | | | | |

ABANDONMENT RECORD

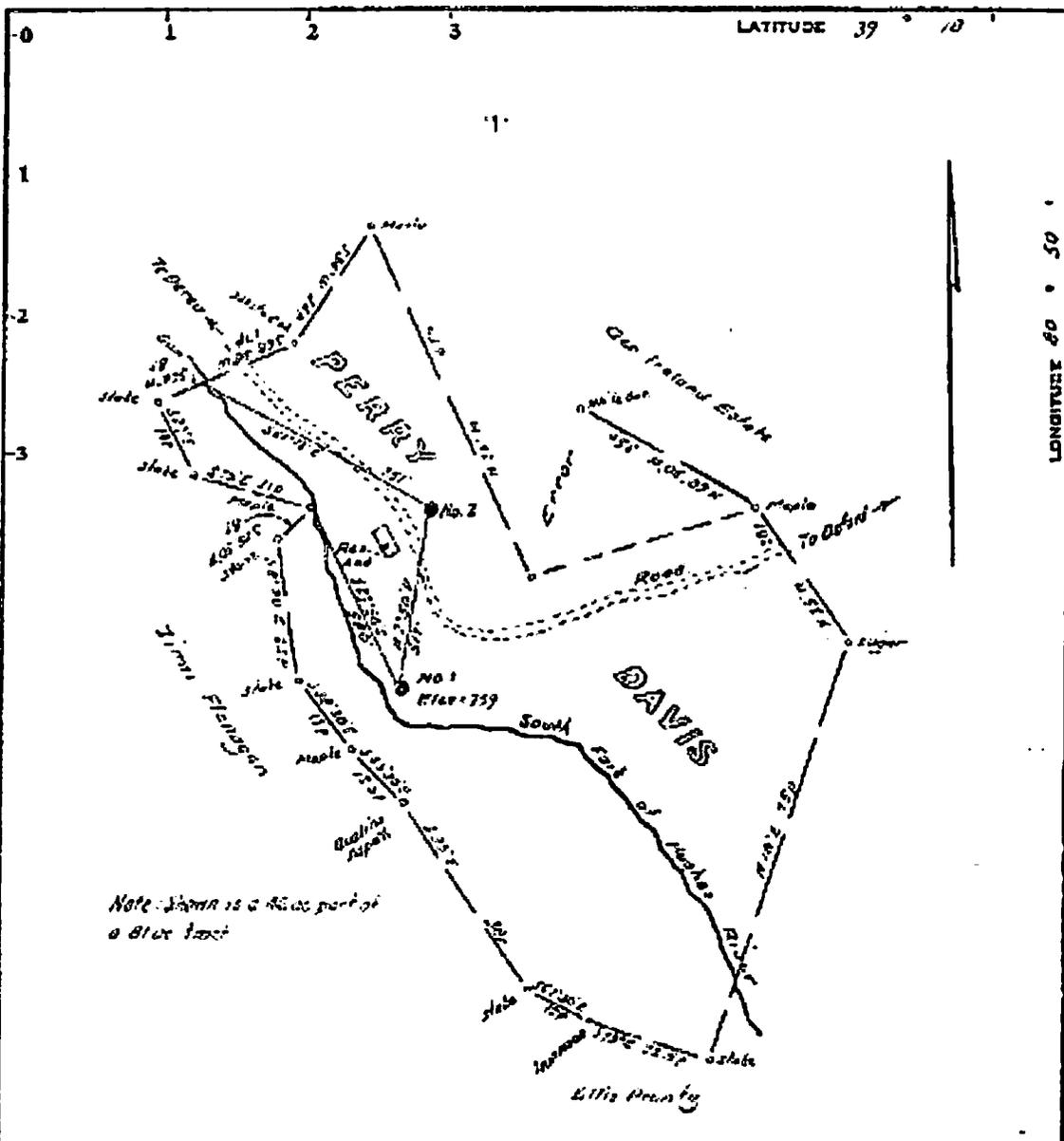
| Filled With | From | To | Use |
|-------------|------|----|-----|
| | | | |

SOUTHERN ENERGY SERVICES

| Well No. | Kind | A. R. Contractor | Dr. Use After |
|----------|-------|------------------|---------------|
| Oil | Injun | 71-061. | |

APPROVED

✓



Note: Shaded is a 4000 foot part of a Blue tract

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. B.M. at mouth of White Oak
 Crack 775

- Fracture
- New Location
- Drill Deeper
- Abandonment

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: W. H. H. H.
 Squares: N S E W

Company Ray Supply Co
 Address 5102 Eldemill Ave. Lakewood, California
 Farm Perry Davis
 Tract Acres 51 Lease No. _____
 Well (Farm) No. One Serial No. _____
 Elevation (Spirit Level) 759
 Quadrangle Halt Brook
 County Ditchie District Union
 Engineer W. H. H. H.
 Engineer's Registration No. 1337
 File No. _____ Drawing No. _____
 Date Oct. 16, 1928 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 085-7620

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Davis 1 (1629) _____

3) API Well No.: 47 - 085 - 07620

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 <u>Lynwood Kay Ireland</u> | Name <u>N/A</u> |
| Address <u>342 Ireland Rd</u> | Address _____ |
| <u>Pullman, WC 26421</u> | _____ |
| (b) Name _____ | (b) Coal Owner(s) with Declaration |
| Address _____ | Name <u>N/A</u> |
| _____ | Address _____ |
| (c) Name _____ | Name <u>N/A</u> |
| Address _____ | Address _____ |
| _____ | _____ |
| 6) Inspector <u>David Cowan</u> | (c) Coal Lessee with Declaration |
| Address <u>1597 Devil Hole Road</u> | Name <u>N/A</u> |
| <u>Harrisville WV 26362-7543</u> | Address _____ |
| Telephone <u>304-389-3509</u> | _____ |

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.

| | | |
|---|---------------|---|
|  <p>OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC Ashley N Meeks 669 Baker St Harrisville, WV 26362 My Commission Expires July 23, 2023</p> | Well Operator | <u>Jay-Bee Oil & Gas, Inc</u> |
| | By: | <u>Shane Dowell</u> |
| | As: | <u>Office Manager</u> |
| | Address | <u>3570 Shields Hill Rd</u> |
| | Telephone | <u>Cairo, WV 26337</u> <u>304-628-3111</u> |

Subscribed and sworn before me this 18th day of Feb 2014
[Signature] Notary Public
My Commission Expires July 23, 2023

RECEIVED
Office of Oil and Gas
FEB 20 2014

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

WV Department of
Environmental Protection

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| Certified Fee | 3.30 |
| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ 5.54 |

Postmark Here

Sent To: James White Jr.
 Street, Apt. No. or PO Box No.: R+1 Box 137-1
 City, State, ZIP+4: Painsboro WV 26415

PS Form 3800, August 2006 See Reverse for Instructions



8507620 P

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| Postage | \$ 1.40 |
| Certified Fee | 3.30 |
| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ 4.70 |

Postmark Here

Sent To: Lynwood Kay Ireland ✓
 Street, Apt. No. or PO Box No.: 342 Ireland Rd
 City, State, ZIP+4: Pullman WV 26421

PS Form 3800, August 2006 See Reverse for Instruction



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| Total Postage & Fees | \$ 5.54 |

Postmark Here

Sent To: Neil Brown Giffins Trust
 Street, Apt. No. or PO Box No.: PO Box 127 J
 City, State, ZIP+4: Acme PA 15610

PS Form 3800, August 2006 See Reverse for Instruction



RECEIVED
 Office of Oil and Gas
 FEB 20 2014
 WV Department of
 Environmental Protection

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 South Fork Hughes River Quadrangle Pullman 7.5'

Elevation 761' County Ritchie District Union

Description of anticipated Pit Waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes 20 MIL.

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection (UIC Permit Number 47-085-09721)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain _____)

Proposed Work For Which Pit Will Be Used:

- Drilling
- Workover
- Other (Explain _____)
- Swabbing
- Plugging

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

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

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

Subscribed and sworn before me this 18th day of Feb, 2014

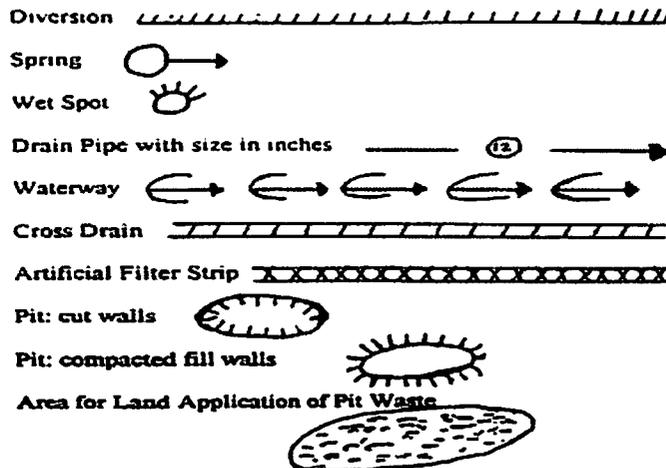
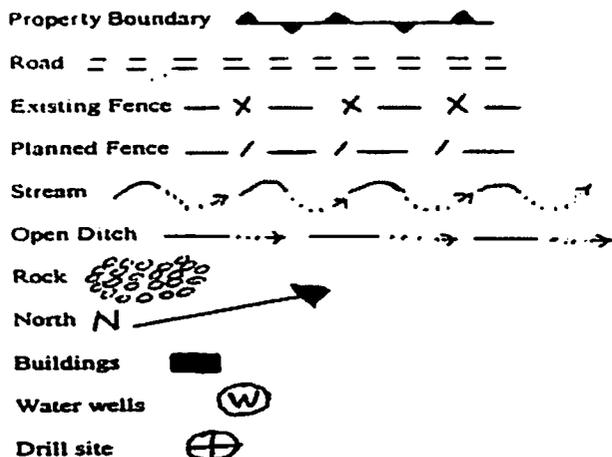
[Signature]

My commission expires July 23, 2023

Notary Public



LEGEND



Proposed Revegetation Treatment: Acres Disturbed < 1 Prevegetation pH _____

Lime 3 Tons/acre or to correct to pH 6.5

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

Mulch hay / 2 Tons/acre

Seed Mixtures

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

Title: *oil & gas inspector* Date: 2-18-14

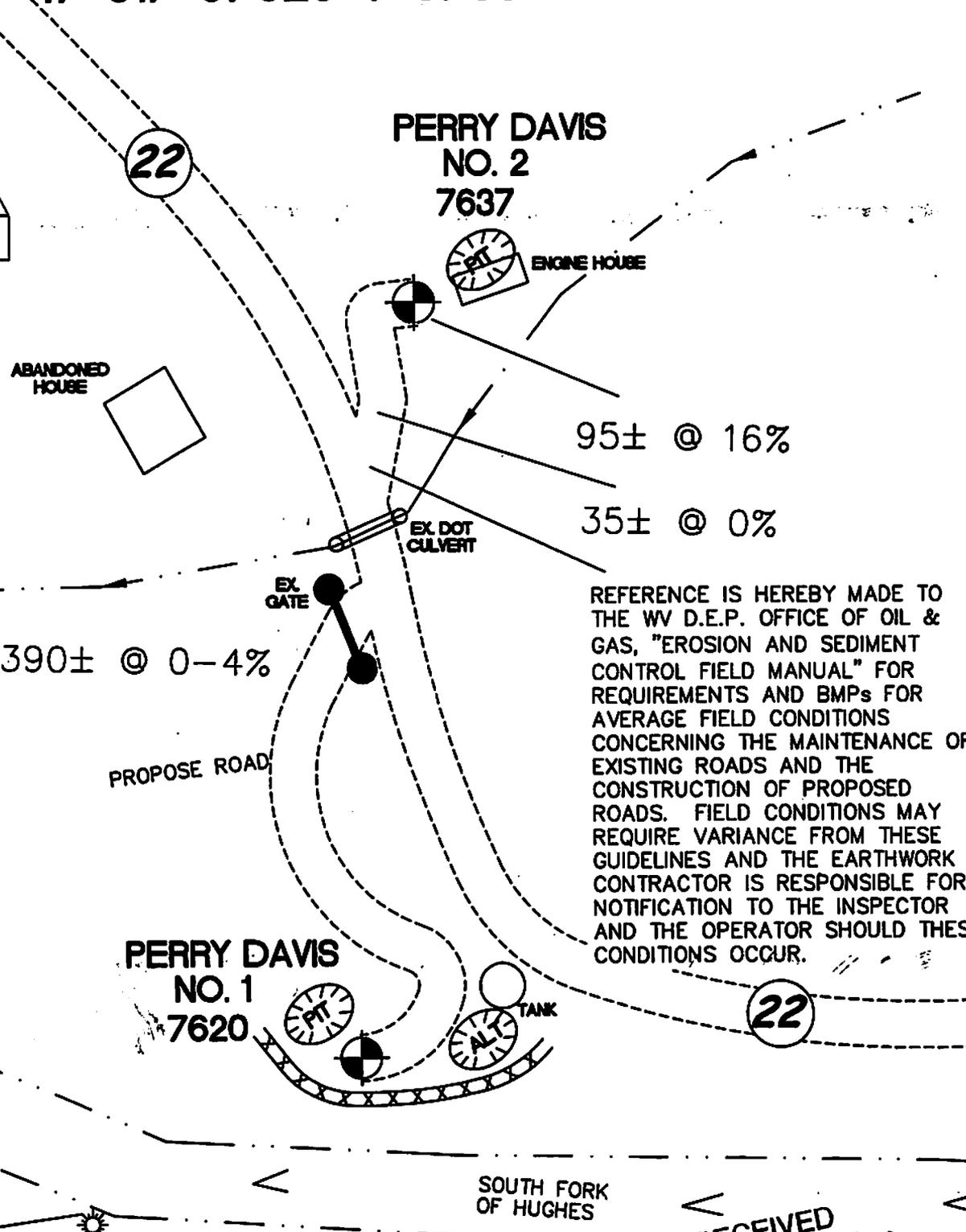
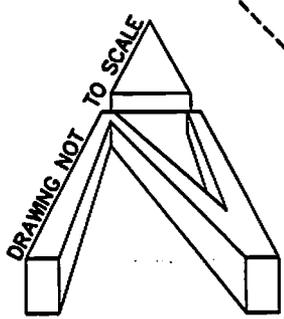
Field Reviewed? Yes No

WW9

PERRY DAVIS NO. 1 + 2

47-017-07620 + 07637

PAGE OF



REFERENCE IS HEREBY MADE TO THE WV D.E.P. OFFICE OF OIL & GAS, "EROSION AND SEDIMENT CONTROL FIELD MANUAL" FOR REQUIREMENTS AND BMPs FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION TO THE INSPECTOR AND THE OPERATOR SHOULD THESE CONDITIONS OCCUR.

ANGLE RIGHT
LAND SURVEYING, LLC.
P.O. BOX 681
GRANTSVILLE, WV 26147
(304) 354-0065 (304) 354-9464
angleright@frontiernet.net

09/17/13
130603

ENTRANCES ONTO PUBLIC ROADS SHALL BE CONSTRUCTED OR MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. ADDITIONAL PERMITS MAY BE REQUIRED.

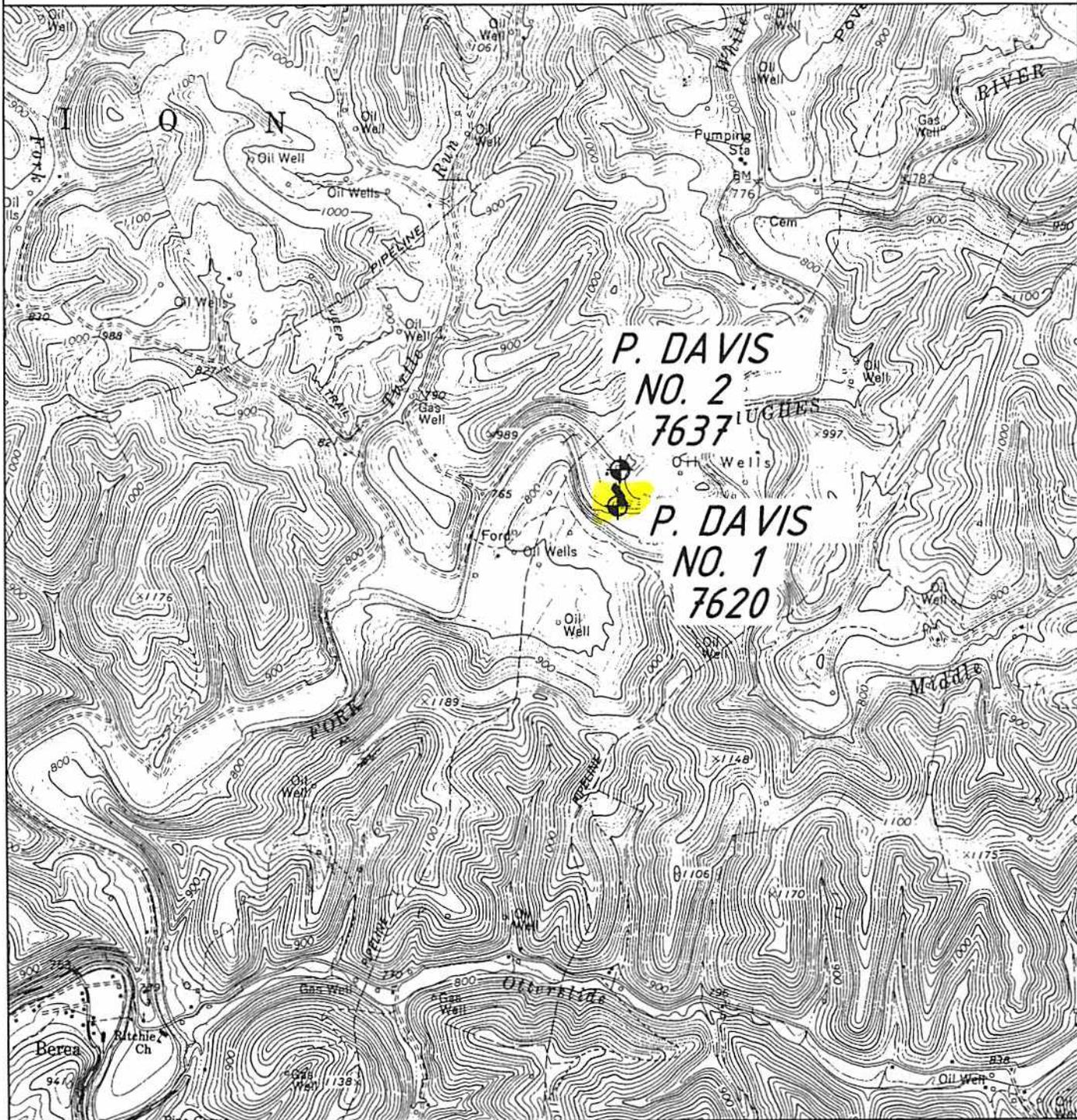
RECEIVED
Office of Oil and Gas
FEB 27 2014
UTILITIES ARE APPROXIMATE, EXACT LOCATION TO BE VERIFIED PRIOR TO CONSTRUCTION
WV Department of Environmental Protection

guc

WW9

PERRY DAVIS LEASE WELLS 1,2 API NOS. 7620, 7637

PAGE OF



| | | | |
|--|--|------------------------------------|--|
| ANGLE RIGHT LAND SURVEYING, LLC PO BOX 681 GRANTSVILLE, WV 26147 (304) 354-0065 130604 | OPERATOR | TOPO SECTION | WELL NAME |
| | JAY-BEE PRODUCTION CO. 1720 RT. 22 EAST EAST UNION, NJ 07083 | PULLMAN 7.5' SCALE: 1"=2000' | PERRY DAVIS NOS. 1 AND 2 DATE: 09/17/2013 |

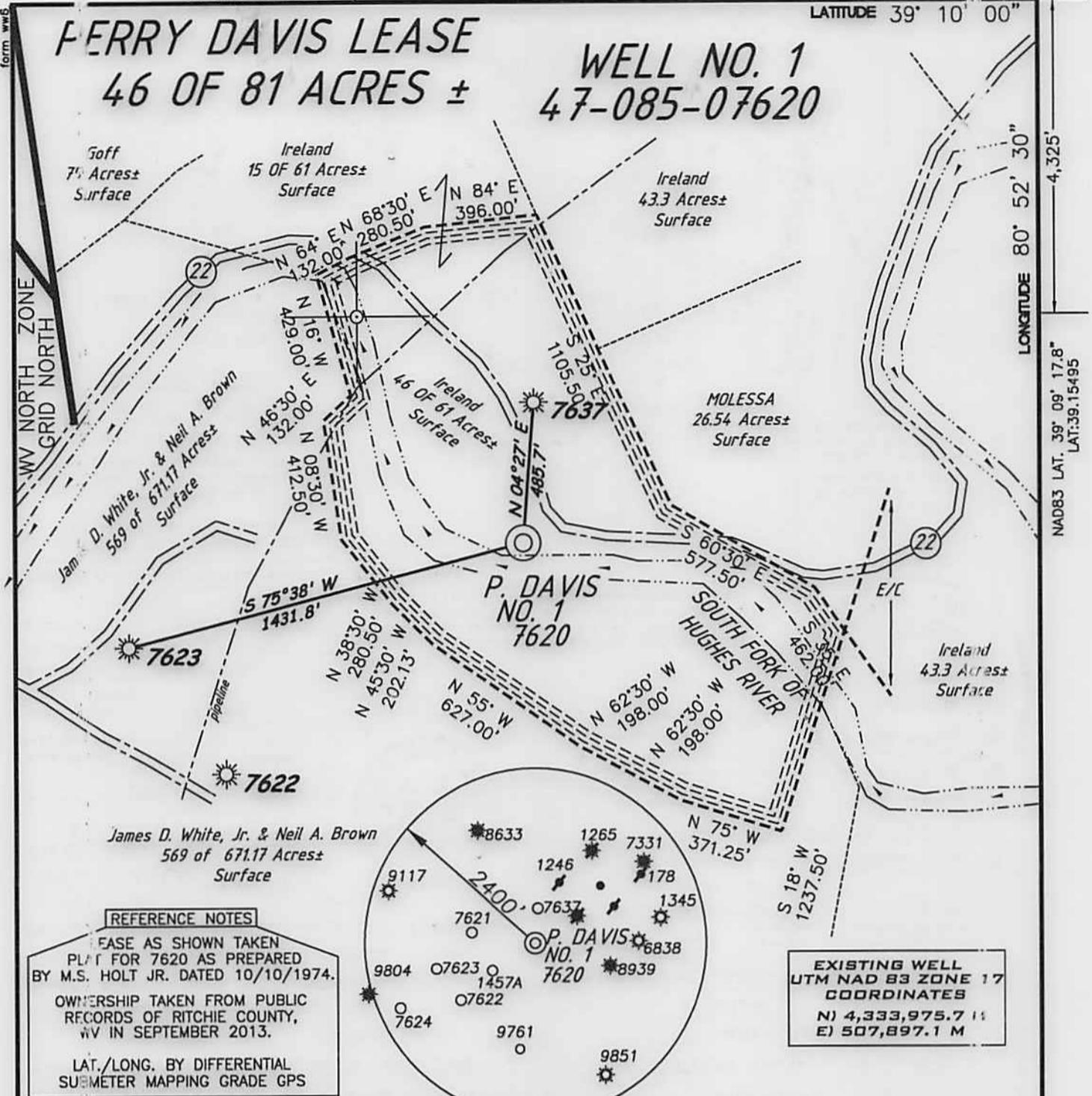
NAD83 LONG.: 80° 54' 31.0"
DECIMAL: 80.90860

9,565'

LATITUDE 39° 10' 00"

FERRY DAVIS LEASE 46 OF 81 ACRES ±

WELL NO. 1 47-085-07620



REFERENCE NOTES

LEASE AS SHOWN TAKEN
PLAT FOR 7620 AS PREPARED
BY M.S. HOLT JR. DATED 10/10/1974.
OWNERSHIP TAKEN FROM PUBLIC
RECORDS OF RITCHIE COUNTY,
WV IN SEPTEMBER 2013.
LAT./LONG. BY DIFFERENTIAL
SUBMETER MAPPING GRADE GPS

EXISTING WELL
UTM NAD 83 ZONE 17
COORDINATES
N) 4,333,975.7 M
E) 507,897.1 M

(H) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER 130603
DRAWING NUMBER WP10(W20-69)
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS.

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 ENVIRONMENTAL PROTECTION

P.S. 1006

Terry A. Shreve



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

DATE: SEPTEMBER 17, 2013
OPERATORS WELL NO. WV PERRY DAVIS NO. 1
API WELL NO. 47-085-07620 P
STATE WV COUNTY WV PERMIT P

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF 'GAS') PRODUCTION STORAGE DEEP SHALLOW
LOCATION ELEVATION 761' WATERSHED SOUTH FORK OF HUGHES RIVER
DISTRICT UNION COUNTY RITCHIE
QUADRANGLE PULLMAN 7.5' LEASE NUMBER _____
SURFACE OWNER LYNWOD KAY IRELAND ACREAGE ASSESSED 46 OF 61±
OIL & GAS ROYALTY OWNER PERRY DAVIS HEIRS & ASSIGNS LEASE ACREAGE 81±
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____ PLUG & ABANDON
PLUG & ABANDON CLEAN OUT & REPLUG _____
TARGET FORMATION BIG INJUN ESTIMATED DEPTH 1,789'
WELL OPERATOR JAY-BEE PRODUCTION CO. DESIGNATED AGENT RANDY BRODA
ADDRESS 1720 ROUTE 22 EAST UNION, NJ 07083 ADDRESS RT.1 BOX 5 CAIRO, WV 26337

form wv6
A.R.L.S.

LONGITUDE 80° 52' 30"
NAD83 LAT. 39° 09' 17.8"
LAT: 39.15495