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**west virginia** department of environmental protection

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

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

February 27, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-8507625, 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: FLANAGAN 18  
Farm Name: WHITE, JAMES JR. & BROWN, N  
**API Well Number: 47-8507625**  
**Permit Type: Plugging**  
Date Issued: 02/27/2014

**Promoting a healthy environment.**

**02/28/2014**

## 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

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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.

1) Date \_\_\_\_\_, 20\_\_\_\_  
2) Operator's  
Well No. Flanagan 18  
3) API Well No. 47-085 - 07625

*ek 43132  
1000*

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

5) Location: Elevation 1112' Watershed South Fork Hughes River  
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  
Address 1597 Devil Hole Road  
Harrisville, WV 26362-7543  
9) Plugging Contractor Name Jay-Bee Oil & Gas, Inc  
Address 3570 Shields Hill Rd  
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: *HOLD FILLETS TO 2038', PRODUCING MAXIMUM 2 BIG LIME.*

2148'-1845' Gel, 1845'-1745' Cement  
1745'-1220' Gel, 1220'-<sup>1062'</sup>~~1120'~~ Cement *ACROSS ELEVATION OF 1112'.*  
1120'-730' Gel, 730'-630' Cement *ALL CEMENT IS CLASS A W/ NO MORE THAN 3% CL.*  
630'-100' Gel, 100'-0' Cement

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

Monument 3' above ground with a welded API

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

Work order approved by inspector *David Cowan* Date 2-18-14



085-07625P

LEASE NO. 727

ACRES 850

FARM NAME Z. Flanagan

H. No. 3334  
WELL NO.

N. S. 21 E. W. 17 Location Made 10-20-25 Purchased From H.C.P.R.  
 Civil District Union Rig Completed Date Purchased 3-1-43  
 County Ritchie Dr'g Commenced 12-7-25 Sold To  
 State W.Va. Dr'g Completed 1-14-26 Date Sold  
 GAS Oil Rights Owned By Dr'g Contractor H.Drg. Dept. Date Abandoned

FORMATION

CASING RECORD

Kind	Top	Bottom	Steel Line Meas	Tests	Size	Bottom Casing Steel Line	Put in Well Tally Meas.	Pulled Tally Meas.	Comments
Pgh. Coal	720	725			10"		150	490	Date
Little Dunkard	1020	1030			8 1/2"		960		Size Cas.
Big Dunkard	1160	1200			6-5/8"		1294		Top "
Gas Sand	1220	1270			5-3/16"	1855	N/A 1865		Bot. "
1st. Salt	1320	1374			2" Tbg.		2038		
2nd. Salt	1458	1658							
Maxon	1845								
Oil & Gas	1900	1906							

DRILLED DEEPER 12-27-38  
 Commenced Drilling 1909  
 Slate 1915 1953  
 Little Lime 1953 1958  
 Pencil Cave 1958 1966  
 Blue Monday 1994 1998  
 Big Line 2000 2073  
 Injun 2073 2084  
 Oil 2013 2016  
 Break 2084 2093  
 Squaw 2092 2128  
 Break 2128 2148

FILLED UP TO

2038

PACKERS AND SHOES

Kind	Size	Depth Set	Date
H.W. Packor	5-3/16" x 6-5/8" x 16"	1855	9-17-

TORPEDO RECORD

Date	No. Qts.	Size Shell	Top Shot	Bottom

DRILLING DEEPER

Commenced	Completed	Original Depth	Final Depth	Comments

ABANDONMENT RECORD

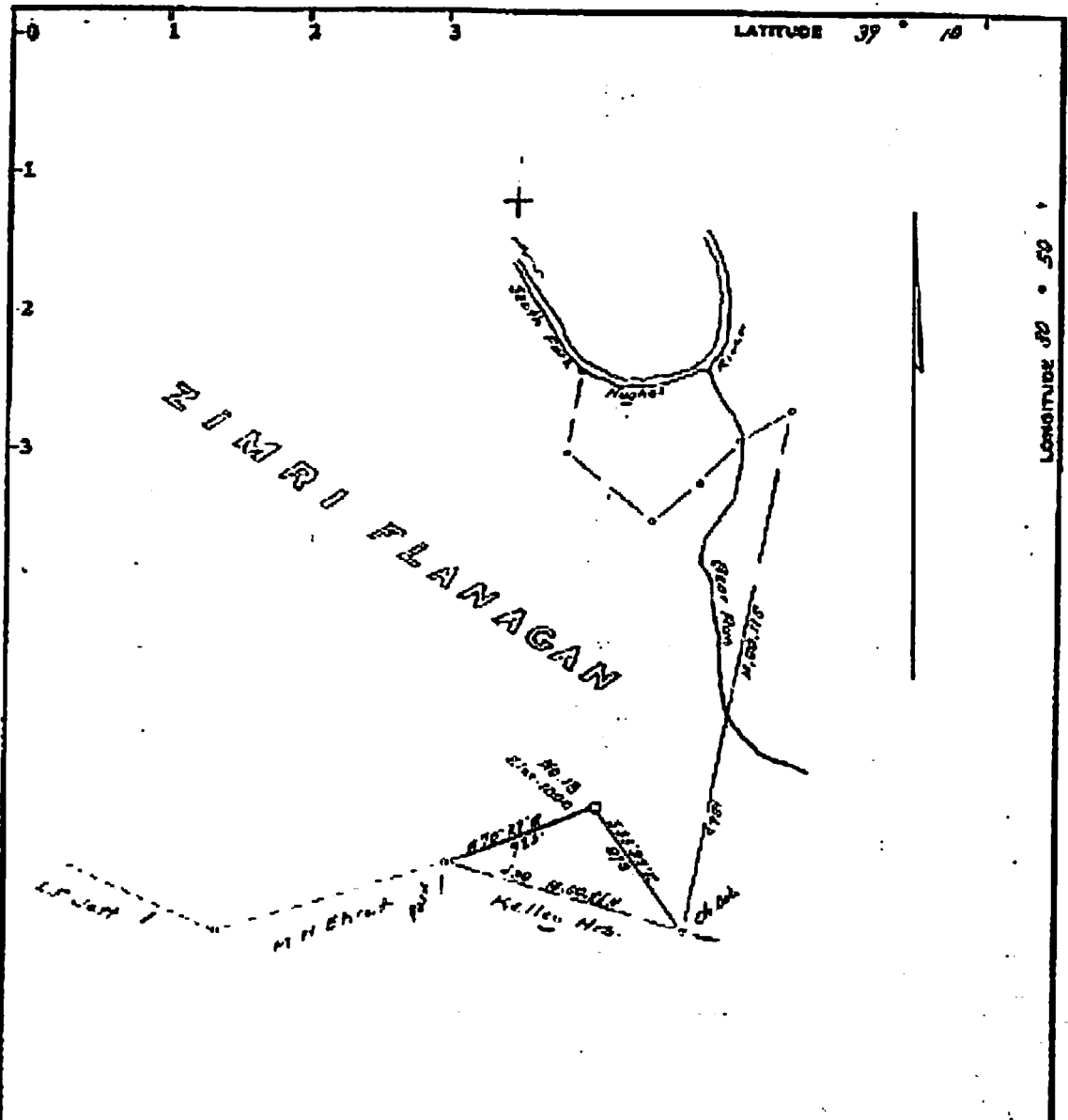
Filled With	From	To	PLUG	
			Size	Kind

SOUTH FERN OIL CO

Initial Prod.	Prod.	* At Completion	* 10 Days After	*
Oil	Maxon & Big Lime			
Gas				

APPROVED

02/28/2014



Minimum Error of Closure 1 in 200'  
 Source of Elevation USGS B.M. at mouth of White Oak Cr. T16

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. H.  
 Squares: N S E W

Map No. \_\_\_\_\_

Company Ray Supply Company  
 Address 2102 Elterbark Ave. Richmond, California  
 Farm Zimri Flanagan  
 Tract \_\_\_\_\_ Acres 5.70 Lease No. \_\_\_\_\_  
 Well (Farm) No. Explosive Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) \_\_\_\_\_  
 Quadrangle Holbrook  
 County Ritchie District Union  
 Engineer W. H. H. H. H.  
 Engineer's Registration No. 1777  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date October 14, 1951 Scale \_\_\_\_\_

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

**WELL LOCATION MAP**

FILE NO. 085-7625

+ 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 of original tracing.

RECEIVED  
 Office of Oil and Gas  
 SEP 20 2014  
 WV Department of Environmental Protection  
 02/28/2014



WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
Flanagan 18 \_\_\_\_\_  
3) API Well No.: 47 - 085 - 07625

**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>James Daniel White Jr</u> ✓	Name <u>N/A</u>
Address <u>Rt 1 Box 137-I</u>	Address _____
<u>Pennsboro, WV 26415</u>	_____
(b) Name <u>Neil A. Brown Gifting Trust</u> ✓	(b) Coal Owner(s) with Declaration
Address <u>PO Box 127</u>	Name <u>N/A</u>
<u>Acme, PA 15610</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-1B, 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.

	OFFICIAL SEAL STATE OF WEST VIRGINIA NOTARY PUBLIC Ashley N Meeks 669 Baker St Harrisville, WV 26362 My Commission Expires July 23, 2023	Well Operator <u>Jay-Bee Oil &amp; 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

**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](mailto:depprivacyofficer@wv.gov).

8507625P

7013 2250 0001 1765 1638

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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

7013 2250 0001 1765 1638

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Restricted Delivery Fee (Endorsement Required)	
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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 Instructions

7013 2250 0001 1765 1638

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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: Neil Brown Giftings Trust ✓  
 Street, Apt. No. or PO Box No.: Po Box 127 ✓  
 City, State, ZIP+4: Acme PA 15610

PS Form 3800, August 2006 See Reverse for Instructions

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

02/28/2014



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 1112' 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

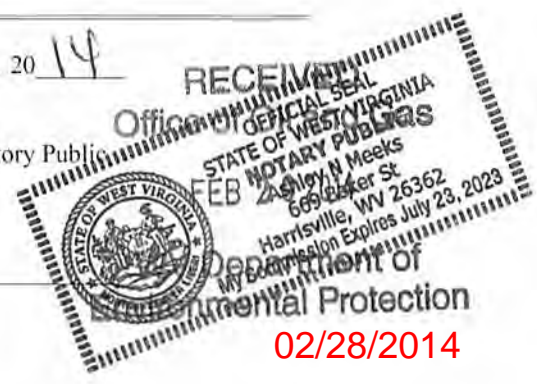
Company Official Title Office Manager

Subscribed and sworn before me this 19th day of Feb, 2014

*[Signature]*

My commission expires July 23, 2023

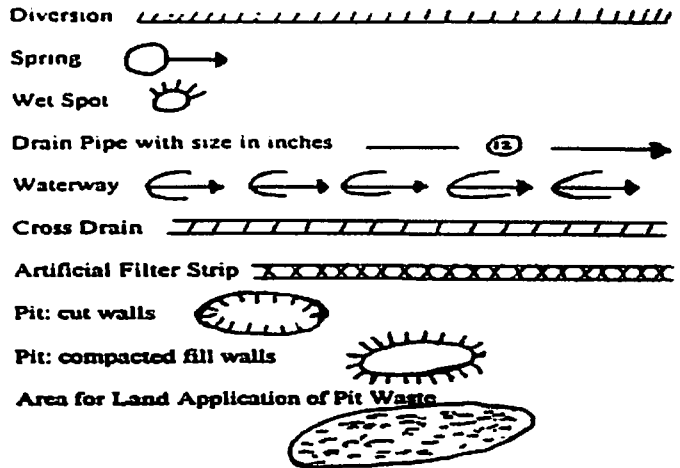
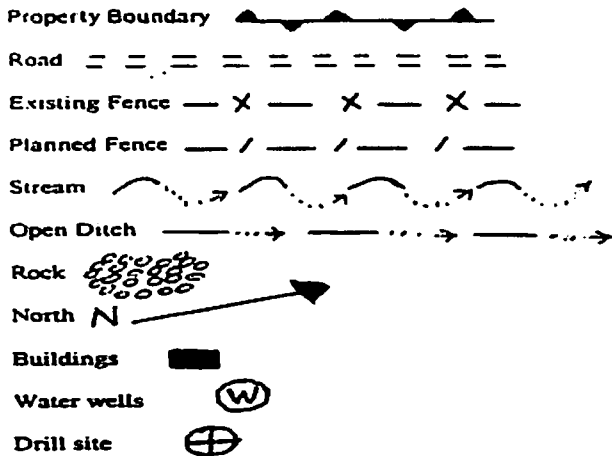
Notary Public



02/28/2014



**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**

Area I		Area II	
Seed Type	lbs/acre	Seed Type	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.

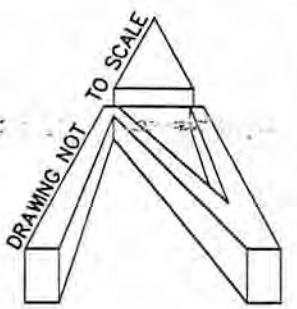
Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *Dan DeC...*

Comments: *well 07625*

Title: *well gas inspector* Date: *2-18-14*

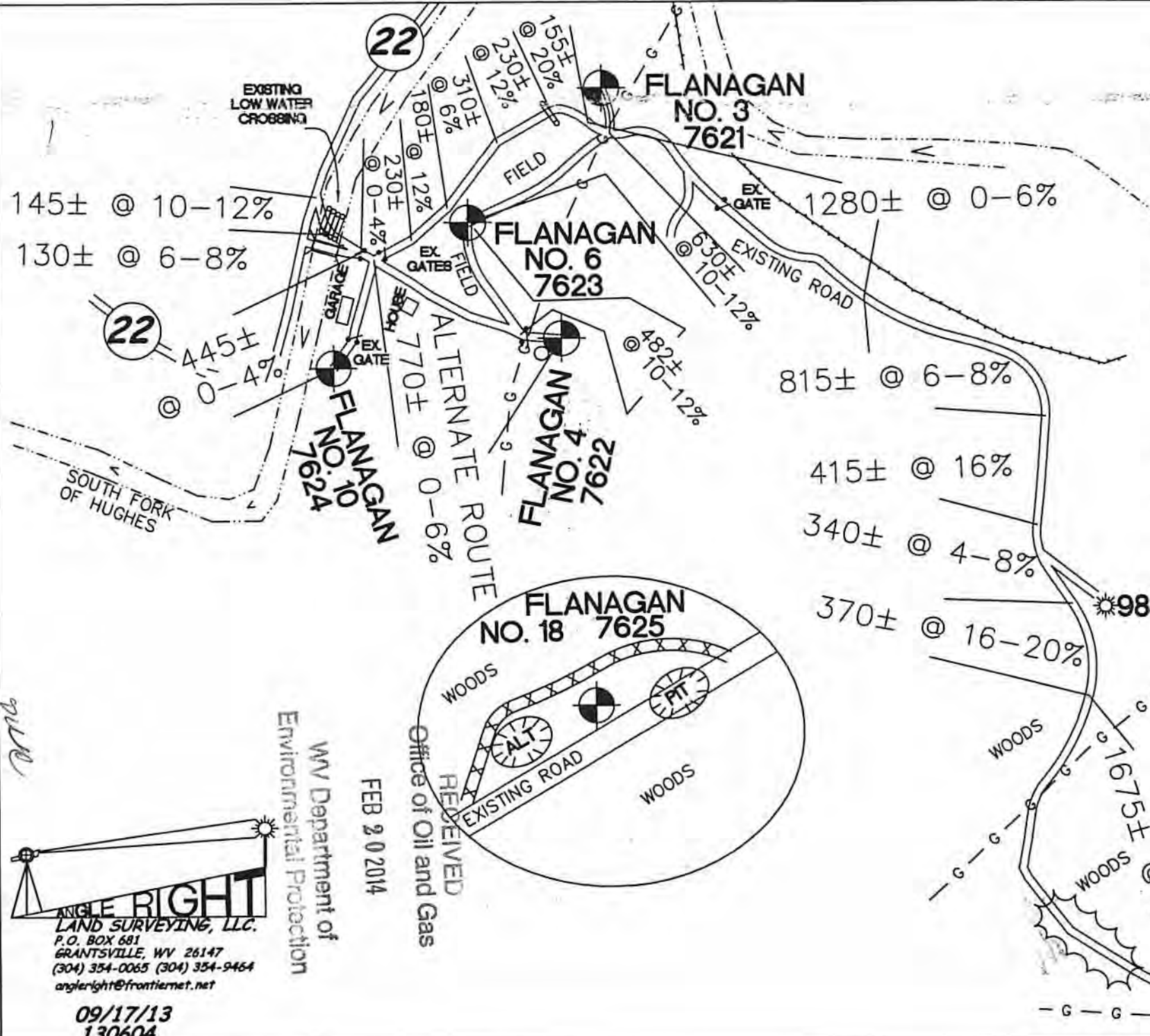
Field Reviewed?  Yes  No



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.

UTILITIES ARE APPROXIMATE, EXACT LOCATION TO BE VERIFIED PRIOR TO CONSTRUCTION

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 20 2014

WV Department of  
Environmental Protection

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

09/17/13  
130604



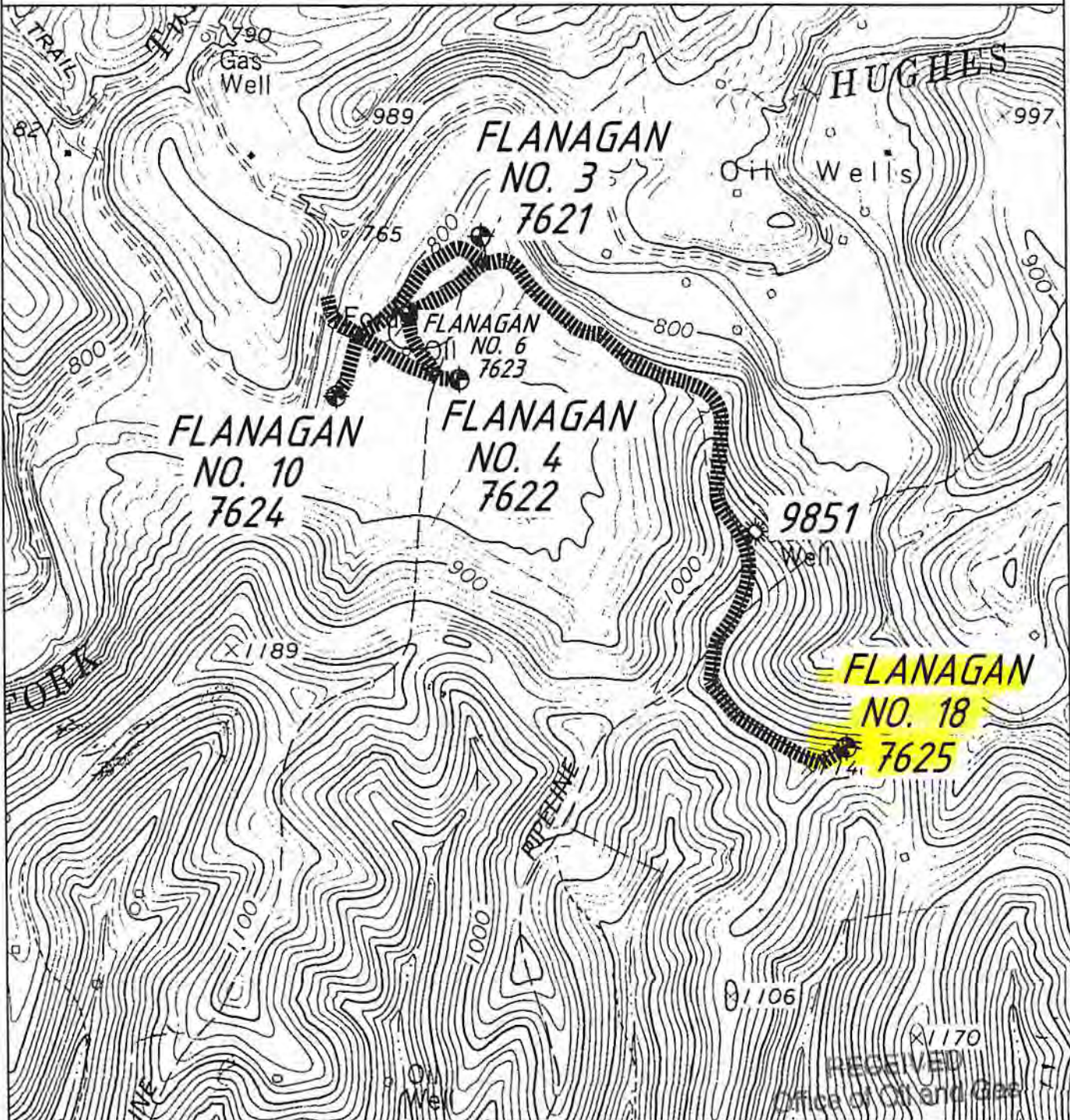
WW9

# Z. FLANAGAN LEASE

## WELLS 3, 4, 6, 10, 18

### API NOS. 7621, 7622, 7623, 7624, 7625

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'	Z. FLANAGAN NO. 3, 4, 6, 10, 18
		SCALE: 1"=1000'	DATE: 09/17/2013

02/28/2014



NAD83 LONG.: 80° 54' 10.1"  
DECIMAL: 80.90281

7,920'

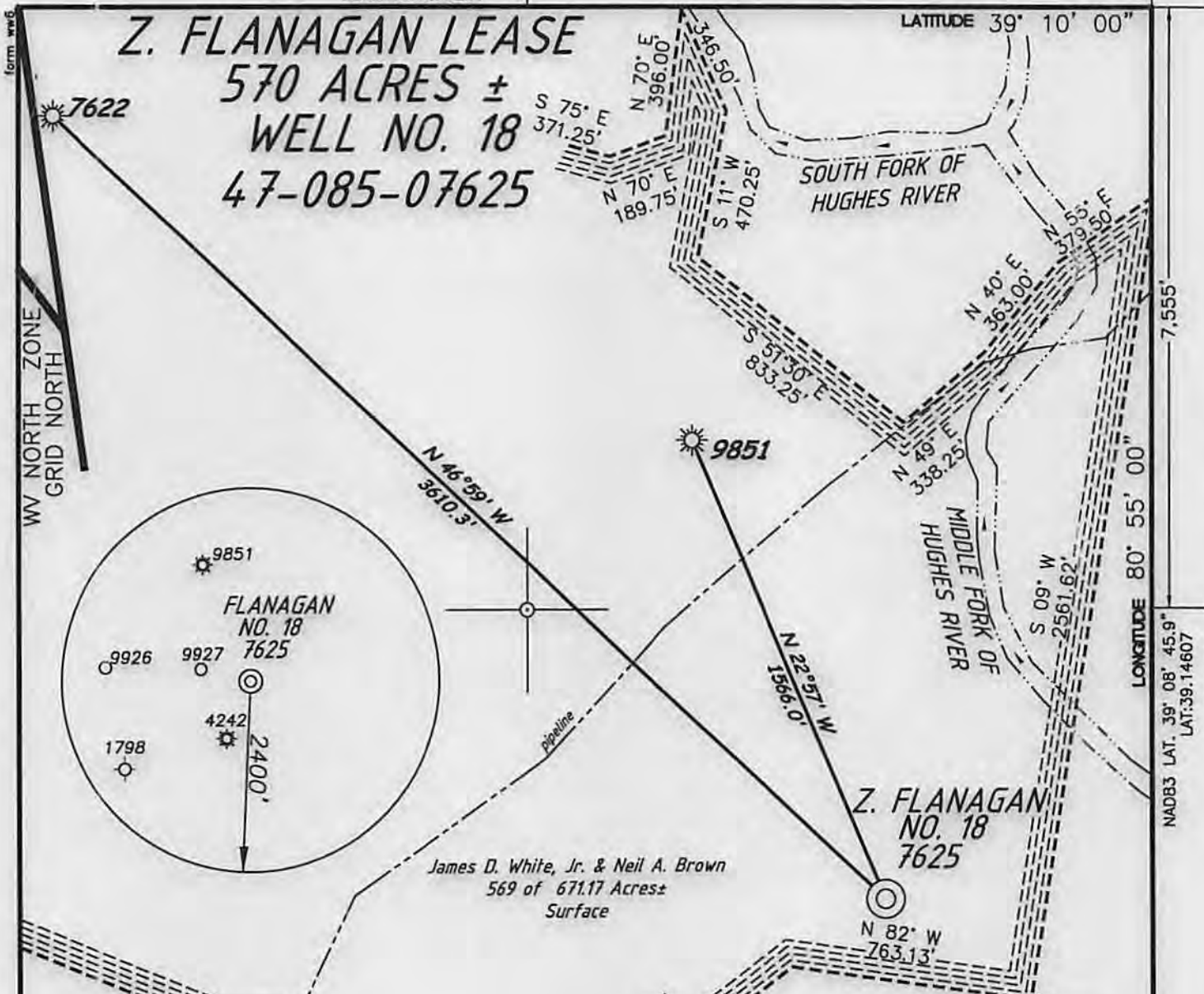
LATITUDE 39° 10' 00"

# Z. FLANAGAN LEASE

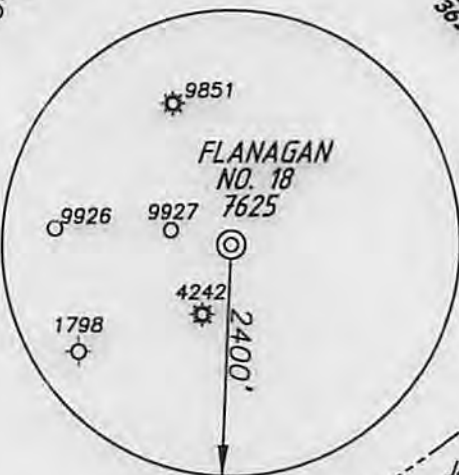
## 570 ACRES ±

### WELL NO. 18

#### 47-085-07625



LONGITUDE 80° 55' 00"  
NAD83 LAT. 39° 08' 45.9"  
LAT: 39.14607



James D. White, Jr. & Neil A. Brown  
569 of 671.17 Acres  
Surface

EXISTING WELL  
UTM NAD 83 ZONE 17  
COORDINATES  
N) 4,332,990.9 M  
E) 508,398.8 M

#### REFERENCE NOTES

LEASE AS SHOWN TAKEN  
PLAT FOR 9927 AS PREPARED  
BY STEPHEN LOSH DATED 01/03/2011.  
OWNERSHIP TAKEN FROM PUBLIC  
RECORDS OF RITCHIE COUNTY,  
WV IN SEPTEMBER 2013.  
LAT./LONG. BY DIFFERENTIAL  
SUBMETER MAPPING GRADE GPS

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER	130604
DRAWING NUMBER	WP18(W20-68)
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. FLANAGAN NO. 18  
API WELL NO. 47-085  
STATE COUNTY PERMIT 07625P

WELL TYPE: OIL \_\_\_ GAS \_\_\_ LIQUID INJECTION  WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW

LOCATION ELEVATION 1,112' WATERSHED SOUTH FORK OF HUGHES RIVER  
DISTRICT UNION COUNTY RITCHIE  
QUADRANGLE PULLMAN 7.5' LEASE NUMBER

SURFACE OWNER JAMES DANIEL WHITE, JR. & NEIL A. BROWN ACREAGE ABSTRACTED 569 OF 671.17  
OIL & GAS ROYALTY OWNER Z. FLANAGAN HEIRS & ASSIGNS LEASE ACREAGE 570±

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

TARGET FORMATION INJUN SAND ESTIMATED DEPTH 2,038'

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

02/28/2014

ARLS