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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](http://www.dep.wv.gov)

February 27, 2014

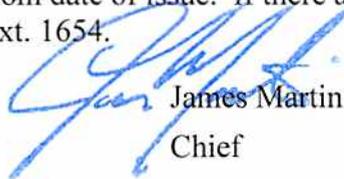
**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-8507621, 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 3  
Farm Name: FLANAGAN, ZIMRI  
**API Well Number: 47-8507621**  
**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

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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.

CK 43132  
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 858' Watershed South Fork Hughes River  
District Union County Ritchie Quadrangle Pullman 7.5'

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:

FIRST CEMENT PLUG SHOULD BE ~ 20' ABOVE SHOT HOLE.

- ~~1870'-1670' 6% Gel, 1670'-1570' Cement~~ <sup>1760'</sup> 1760'-1570' CLASS A CEMENT
- ~~1570'-935' 6% Gel, 935'-835' Cement~~ <sup>1435'</sup> 1435'-1335' CLASS A CEMENT ACROSS PULLED 7" CASING SEAT.
- ~~835'-467' 6% Gel, 467'-367' Cement~~ <sup>1335'-908'</sup> 908'-808' CLASS A CEMENT ACROSS ELEVATION
- ~~367'-100' 6% Gel, 100'-0' Cement~~ <sup>808'-200'</sup> 200'-0' CLASS A SURFACE PLUG.

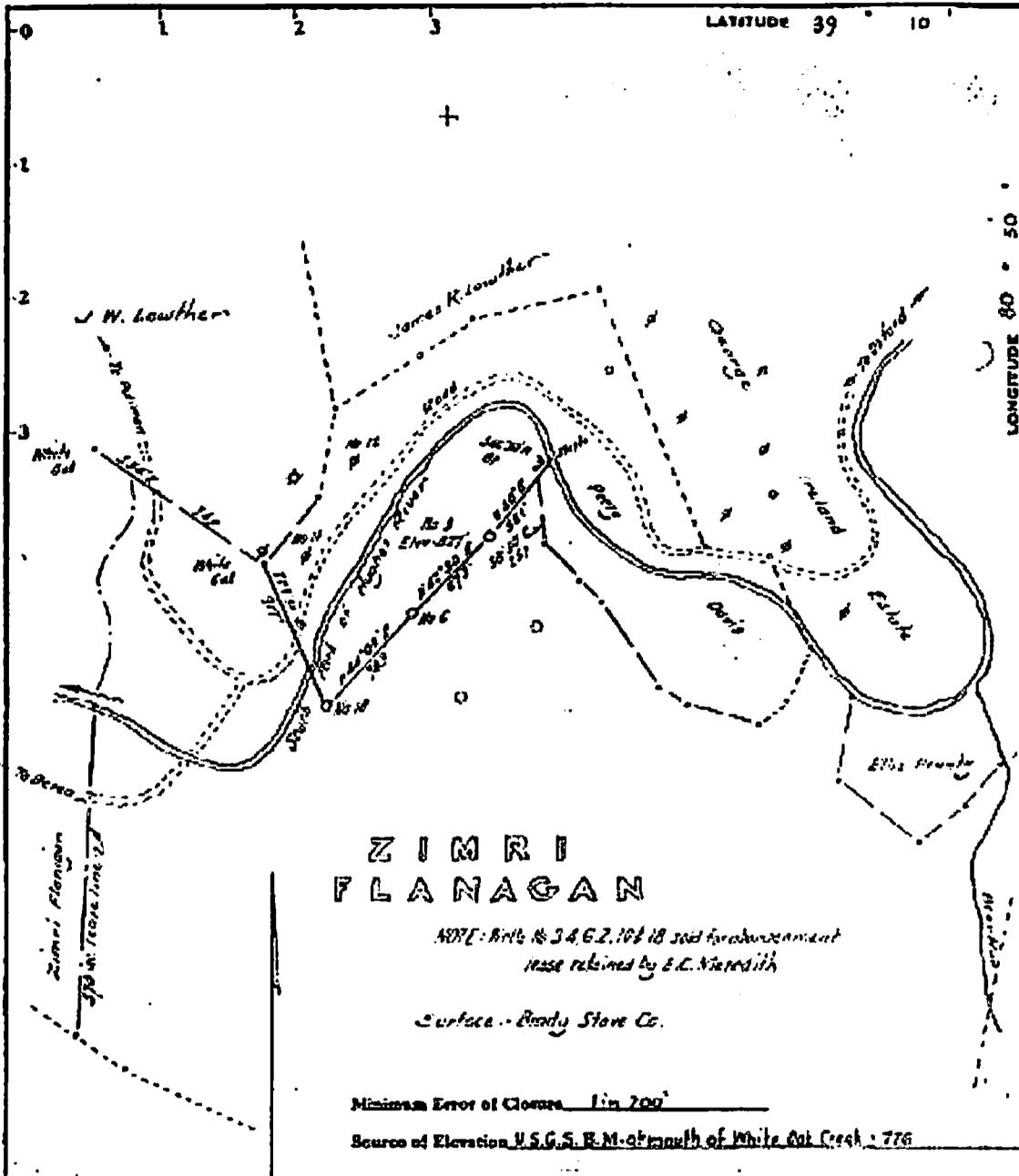
Monument 3' above ground with a welded API

ALL CEMENT PLUGS MUST BE A MINIMUM OF 100' CLASS A CEMENT WITH NO MORE THAN 3% CaCl<sub>2</sub> AND NO OTHER ADDITIVES.

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Office of Oil and Gas  
FEB 20 2014  
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 David Cowan Date 2-18-14



**ZIMRI FLANAGAN**

NOTE: Brts. No. 3 & 6, 2, 10 & 18 said for advancement  
 were retained by E.C. Nierosith

Surface - Bundy Stone Co.

Minimum Error of Closure 1 in 200'

Source of Elevation U.S.G.S. B.M. at mouth of White Oak Creek - 776

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: *[Signature]*  
 Squares: N S E W

- Fracture
- New Location
- Drill Deeper
- Abandonment

Company BAY SUPPLY COMPANY  
 Address 5102 Elderhall Ave, Lakewood, California  
 Farm Zimri Flanagan  
 Tract \_\_\_\_\_ Acres 510 Lease No. \_\_\_\_\_  
 Well (Farm) No. Three Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 837  
 Quadrangle Holbrook  
 County Ritchie District Union  
 Engineer [Signature]  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date October 9 1974 Scale 1" = 500'

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

WELL LOCATION MAP  
 FILE NO. 105-7621

+ 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 original tracing.

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

WELL NO. 3

NAME *Flanaghan, J.*

LEASE NO. *1111*

ACRES *850*

N. *S. 20* E.

W. *17* DISTRICT

District or Twp. *Union*  
 County *Ritchie*  
 State *W. Va.*  
 Commenced *10-17-01*  
 Completed *11-15-01*  
 Contractor *Devoy Bros.* \$ *.90* Per Foot  
 Purchased From *East. Oil Co.*  
 Date Purchased *Jan. 1-1905*  
 Date Connected  
 Sold To *Smith Union Natural Gas Co.*  
 Date Sold *March 1, 1943.*  
 Date Plugged  
 Date Abandoned

RECORD

Elevation at Mouth of Well							
Formation	Top	Bottom	Thickness	Oil at	Gas at	Water at	Thickness of Pay
Pittsburgh Coal	467	477	10				
Red Rock Cave	790	815	25				
Cow Run (First)	935	995	60				
Cow Run (Second)							
Salt Sand (Upper)	1080	1110	30				
Salt Sand (Middle)	1270	1350	80			1290	
Salt Sand (Lower)	1360	1385	25				
Maxon	1670	1703	33				
Little Lime							
Pencil Cave							
Big Lime	1770	1830	60				
Keener Sand							
Injun Sand	1830	1860	30	1833			81
Squaw Sand							
Weir Sand							
Berea Sand							
Gantz Sand							
Fifty Foot Sand							
Thirty Foot Sand							
Gordon Stray							
Gordon Sand							
Fourth Sand							
Fifth Sand							
Corniferous Lime							
Niagara Lime							
Cave							
Clinton							
Medina Shale							
Trenton							
Total Depth		1870					

085-7621

P

CASING AND TUBING

Size	Put in Well	Left in Well	Pulled
13 in. Casing			
10 in. Casing	215		215
8 1/2 in. Casing	935		935
6 3/4 in. Casing	1385	1385	
6 1/4 in. Casing	1707		
5 1/2 in. Casing	1774	1774	1774
4 7/8 in. Casing			
2 in. Tubing	1860		1860
1 in. Tubing	1879		
in. Tubing			

SHOOTING

Date	Qts.	Sand	Depth	Test	
				Before	After
5-30-02	4				Good
5-25-02	5				Good
1-21-04					Good
3-6-06	30				
10-31-07	50				

Remarks

PACKERS

Size	Make	Set at

Initial Oil Production *62 Bbls.*

8507621P

WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
Flanagan 3

3) API Well No.: 47 - 085 - 07621

**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-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	<u>Jay-Bee Oil &amp; Gas, Inc</u>
	By	<u>Shane Dowell</u> <i>[Signature]</i>
	Its	<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 [depprivacyoffier@wv.gov](mailto:depprivacyoffier@wv.gov).

8507621P

7013 2250 0001 1765 1621

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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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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

7013 2250 0001 1765 1614

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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 Giffins 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 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 858' County Ritchie District Union

Description of anticipated Pit Waste: Formation Fluids

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

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

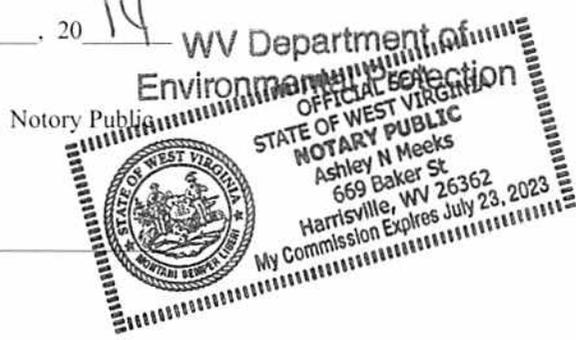
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Office of Oil and Gas

FEB 20 2014

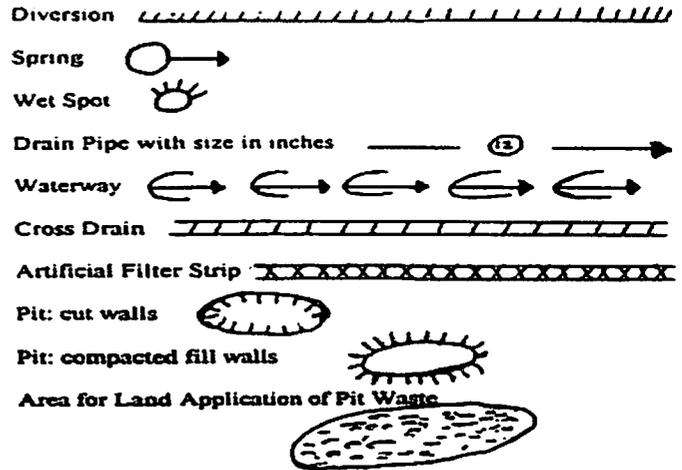
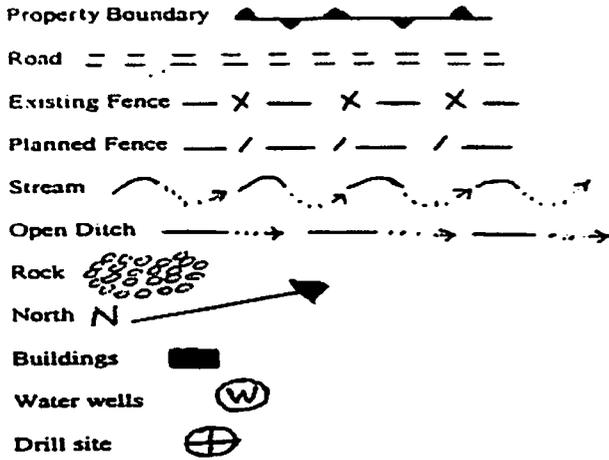
Subscribed and sworn before me this 18th day of Feb, 2014

*[Signature]*

My commission expires July 23, 2023



**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.

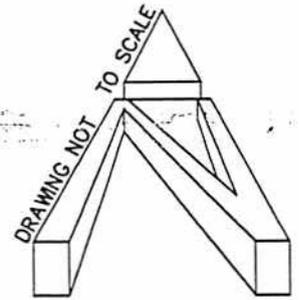
Plan Approved by: *Daniel Wilson*

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

Title: *oil/gas inspector* Date: *2-18-13*

Field Reviewed?  Yes  No

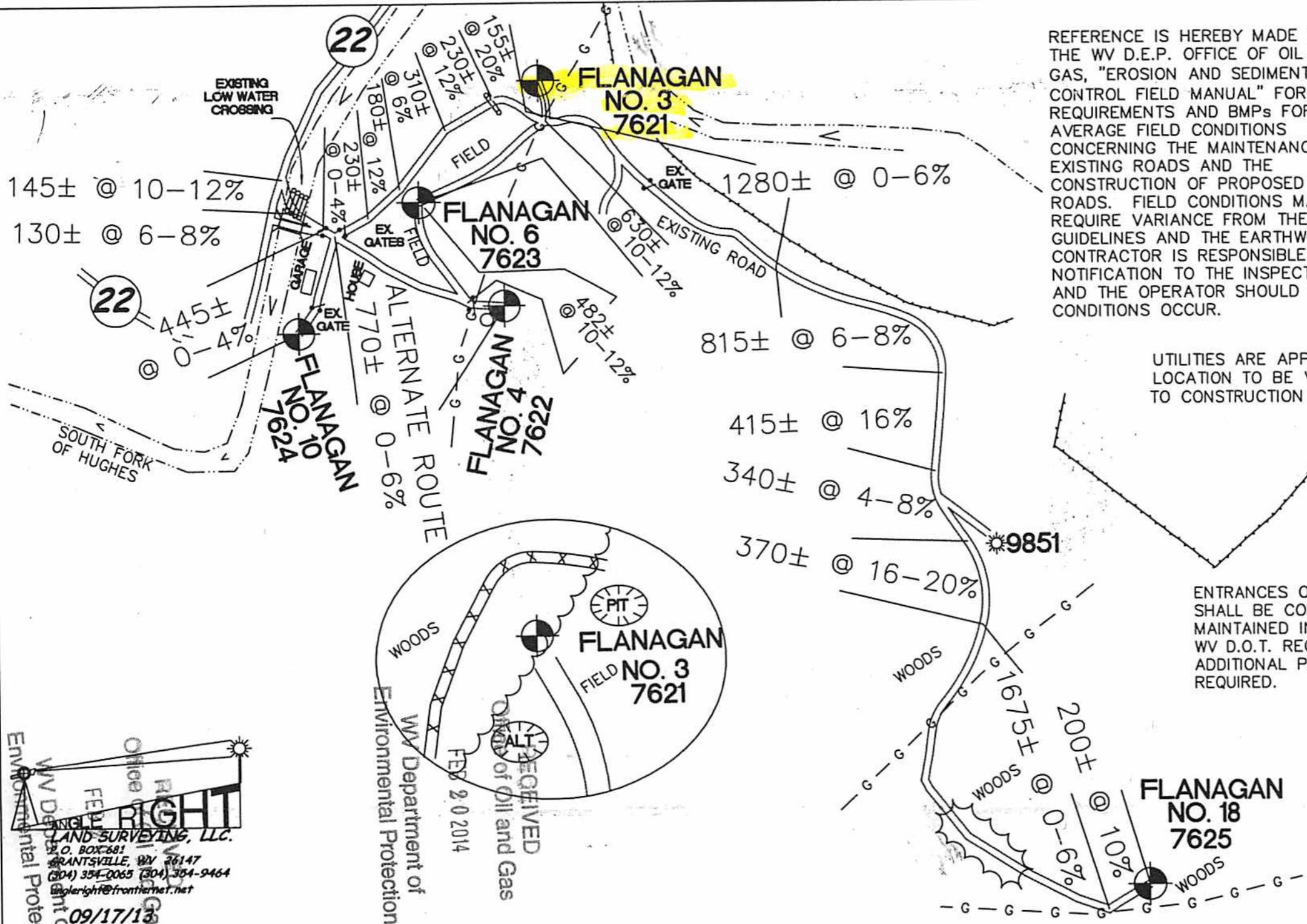
4507621P



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.



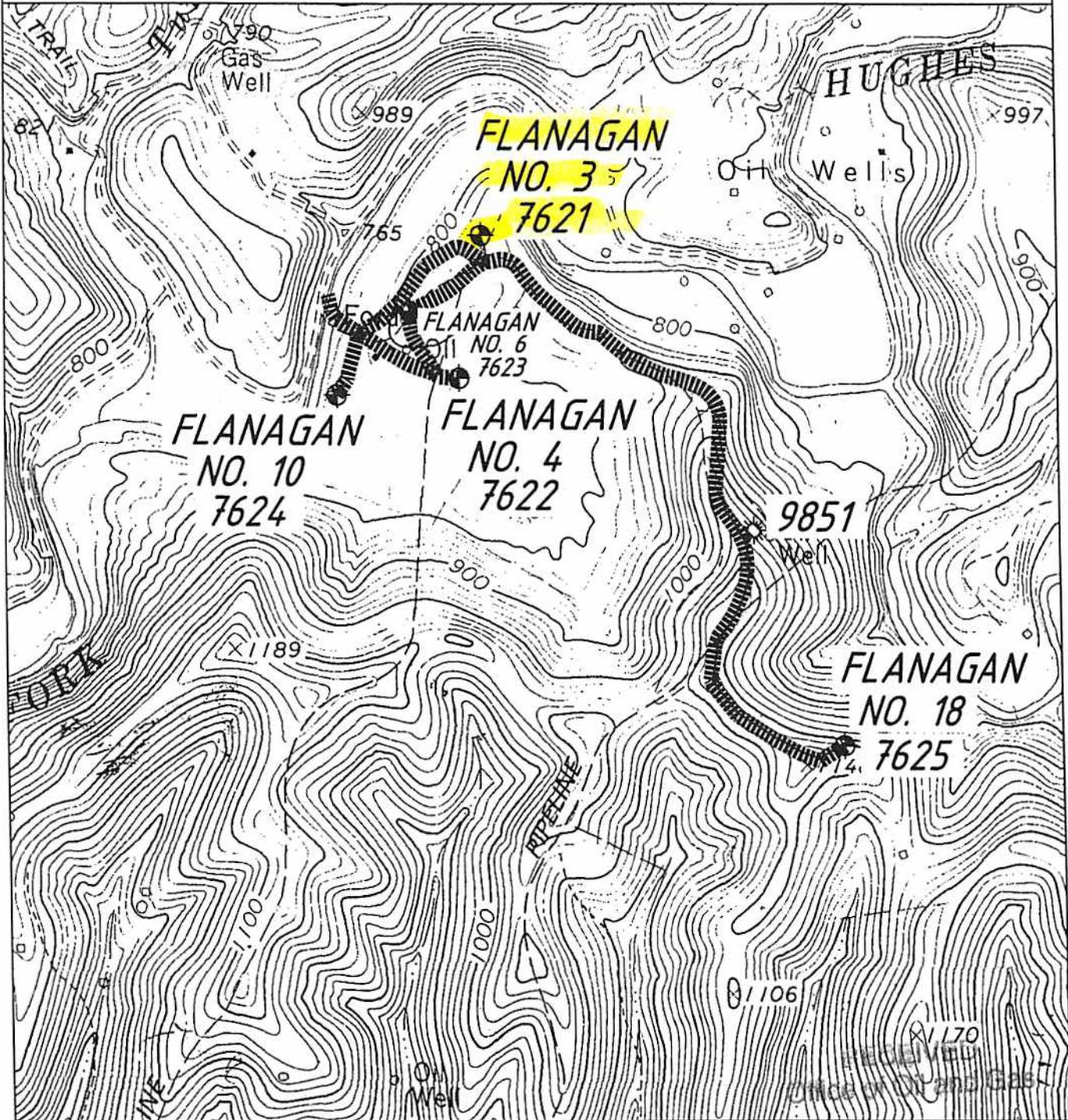
RIGHT  
LAND SURVEYING, LLC.  
P.O. BOX 681  
GRANTSVILLE, WV 26147  
(304) 354-2065 (304) 354-9464  
angleright@frontiernet.net  
09/17/13  
130604

Office of  
WV Department of  
Environmental Protection

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:	DATE:
		1"=1000'	09/17/2013

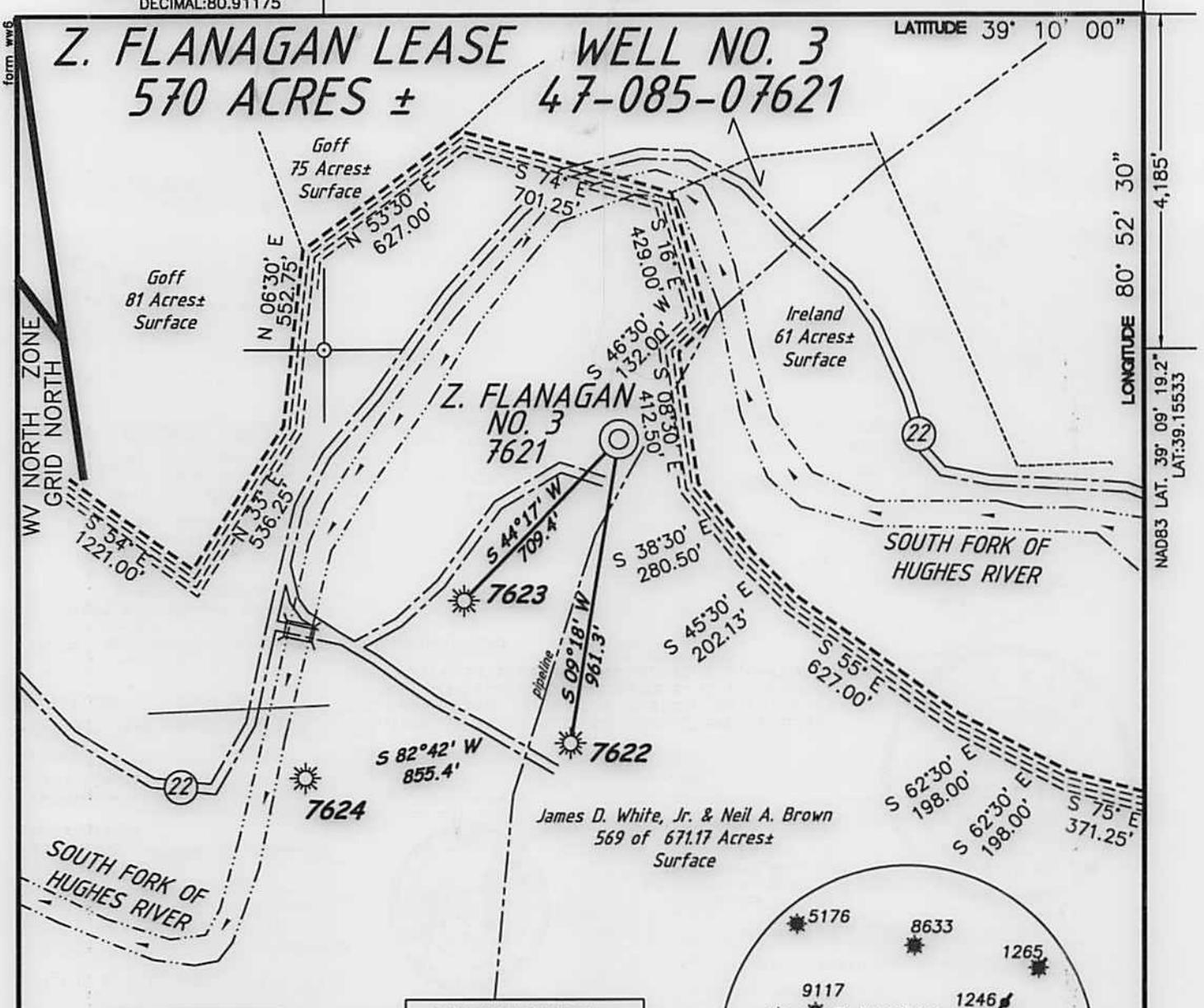
REC'D  
Office of Oil and Gas  
WV Department of  
Environmental Protection

NAD83 LONG.: 80° 54' 42.3"  
DECIMAL: 80.91175

10,460'

LATITUDE 39° 10' 00"

# Z. FLANAGAN LEASE WELL NO. 3 570 ACRES ± 47-085-07621

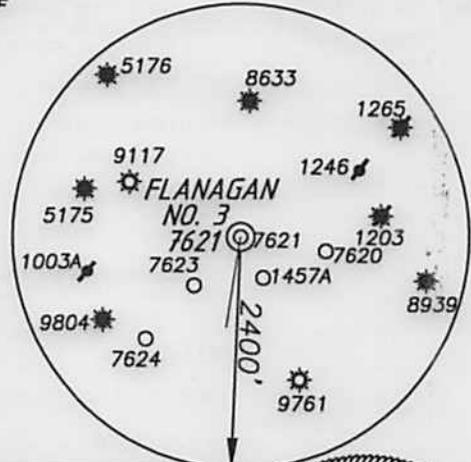


LONGITUDE 80° 52' 30"  
NAD83 LAT. 39° 09' 19.2"  
LAT: 39.15533

**REFERENCE NOTES**

LEASE AS SHOWN TAKEN  
PLAT FOR 7624 AS PREPARED  
BY M.S. HOLT JR. DATED 10/09/1974.  
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) 4,334,017.6 M  
E) 507,624.6 M



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER 130604  
DRAWING NUMBER WP3(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. 3  
API WELL NO. 47-085 07621  
STATE WV COUNTY RTCHIE PERMIT 07621

WELL TYPE: OIL    GAS X LIQUID INJECTION    WASTE DISPOSAL     
(IF 'GAS') PRODUCTION X STORAGE    DEEP    SHALLOW X  
LOCATION ELEVATION 858' 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 ACRESSES 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     
   PLUG & ABANDON X CLEAN OUT & REPLUG     
TARGET FORMATION INJUN SAND ESTIMATED DEPTH 1,870'  
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

COUNTY NAME  
PERMIT

ARLS