



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

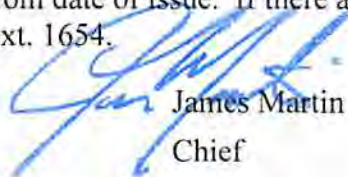
WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8507623, 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 6
Farm Name: FLANAGAN, ZIMRI
API Well Number: 47-8507623
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

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 6
3) API Well No. 47-085 - 07623

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

5) Location: Elevation 833' 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:

^{1770'} 1850'-1632' 6% Gel, ^{1770'-1670'} 1632'-1532' Cement
^{1670'-1391'} 1532'-960' 6% Gel, ^{1391'-1291'} 960'-860' Cement
^{1291'-883'} 860'-470' 6% Gel, ^{883'-783'} 470'-370' Cement
^{783'-481'} 370'-100' 6% Gel, ^{481'-381'} 100'-0' Cement (cont.)
^{381'-100'} 381'-100' 6% Gel, 100'-0' Cement

FIRST PLUG NEEDS TO BE
~ 20 FEET ABOVE SHOT HOLE.
ALL CEMENT PLUGS MUST BE
GREATER THAN 100' THICK
CLASS A CEMENT WITH NO
MORE THAN 3% CaCl₂
AND NO OTHER ADITIVES.

Monument 3' above ground with a welded API

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Office of Oil and Gas
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WV Department of
Environmental Protection
WV Department of
Environmental Protection
Date 2-18-14

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

WELL NO. 6 NAME Flanaghan, J. LEASE NO. 464 ACRES 850 N. S. 20 E. W. 17 DISTRICT Southern

District or Twp. Union
 County Ritchie
 State W. Va.
 Commenced 12-6-01
 Completed 1-8-02
 Contractor Deane Bros
 Purchased From Deane Oil Co.
 Date Purchased Jan. 1-1946
 Date Connected Jan. 1-1946
 Sold to Deane Natural Gas Co
 Date Sold March 1, 1943.
 Date Plugged
 Date Abandoned

\$.90
Per Foot

RECORD

Elevation at Mouth of Well							
Formation	Top	Bottom	Thickness	Oil at	Gas at	Water at	Thickness of Pay
Pittsburgh Coal	452	461	9				
Red Rock Cave	570	685	115				
Cow Run (First)	960	995	35				
Cow Run (Second)							
Salt Sand (Upper)	1255	1376	121				
Salt Sand (Middle)							1275
Salt Sand (Lower)							
Maxon	1632	1688	56				
Little Lime							
Pencil Cave							
Big Lime	1734	1810	76				
Keener Sand							
Injun Sand	1810	1840	30	1820	1810		10'
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	1850						

085-07623 P

CASING AND TUBING

Size	Put In Well	Left In Well	Pulled
13 In. Casing			
10 In. Casing			
8 1/2 In. Casing	964		964
6 3/4 In. Casing	1341		
6 In. Casing			
5 1/2 In. Casing	1734		
4 1/2 In. Casing			
2 In. Tubing	1840		1840
1 In. Tubing	186		
in. Tubing			

SHOOTING

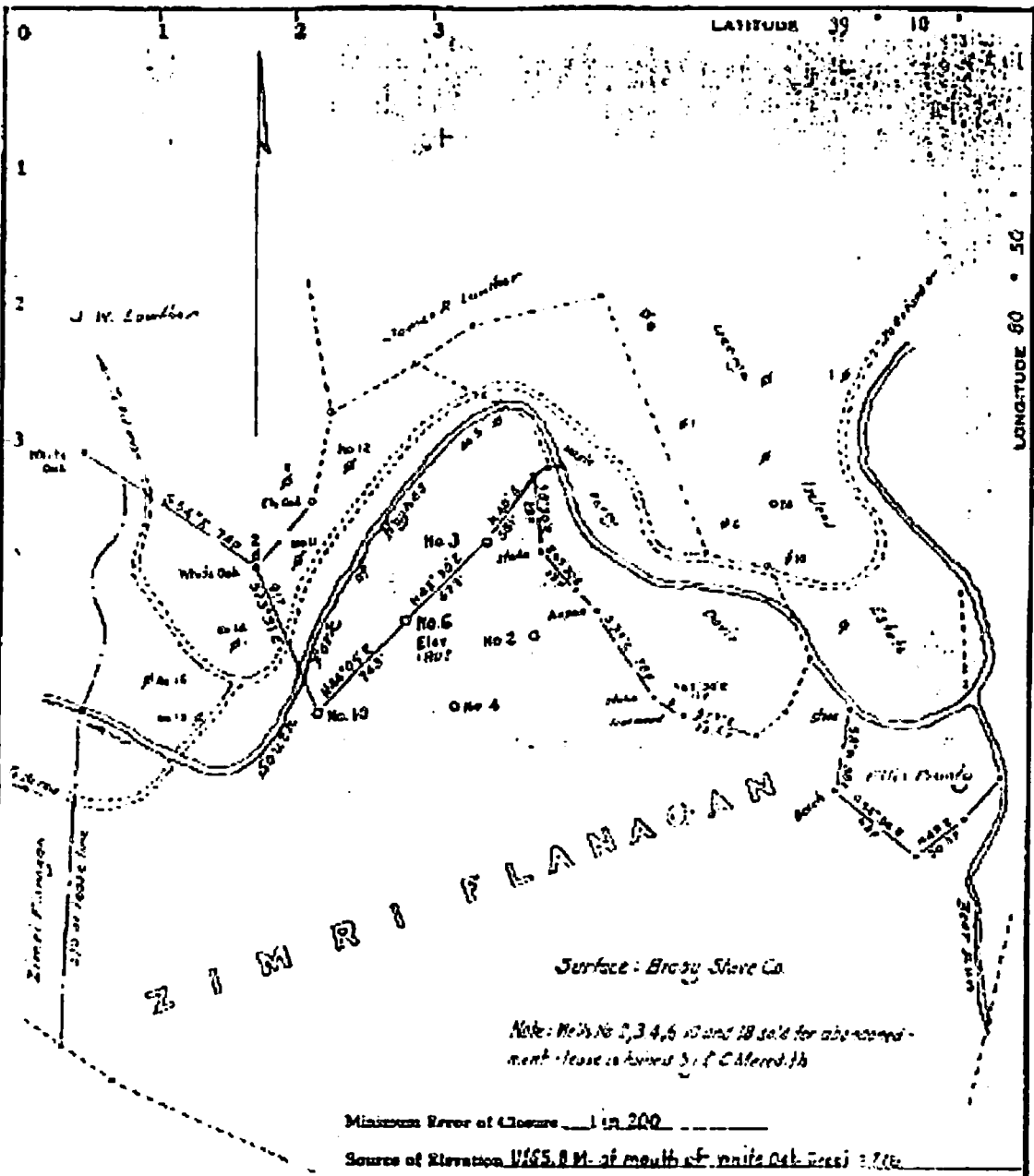
Date	Qts.	Sand	Depth	Test Before	Test After
8-20-02	10				Good
12-23-02	10				"
3-11-04	20				"
2-19-06	30				"
8-22-07	20				"
6-14-13	40				"
13-17-15	16				"

Flanaghan, J.
Remarks

Initial Oil Production 90 Bbls.

PACKERS

Size	Make	Set at
2 1/2	1 1/2	



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.

Map No. _____ Signed: Richard J. [Signature]

Squares: N S E W

Company BAY SUPPLY COMPANY

Address 5102 Elderbell Avenue, Lakewood, California

Farm Zimri Flanagan

Tract Acres 570 Lease No.

Well (Farm) No. 514 Serial No.

Elevation (Spirit Level) 491

Quadrangle Hallycok

County Richie District WV1003

Engineer [Signature]

Engineer's Registration No. 1227

File No. Drawing No.

Date Oct 10 1974 Scale 1" = 200'

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

WELL LOCATION MAP

FILE NO. 085-723 RECEIVED
Office of Oil and Gas

+ 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.

WV Department of Environmental Protection

02/28/2014

WW-4A
Revised 6-07

1) Date: _____
2) Operator's Well Number
Flanagan 6

3) API Well No.: 47 - 085 - 07623

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.

	Well Operator <u>Jay-Bee Oil & Gas, Inc</u>
	By <u>Shane Dowell</u>
	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 depprivacyofficer@wv.gov.

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

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 Pensboro WV 26415

PS Form 3800, August 2006 See Reverse for Instructions

8507623P

7013 2250 0001 1765 1636

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.70

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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 Instruction

7013 2250 0001 1765 1614

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.54

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Sent To Neil Brown Giftings 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

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 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 833' County Ritchie District Union

Description of anticipated Pit Waste: Formation Fluids

Will a synthetic liner be used in the pit? Yes

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

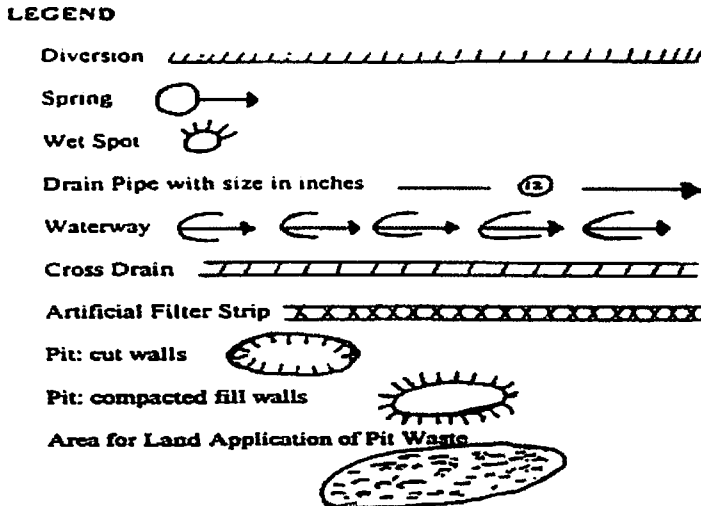
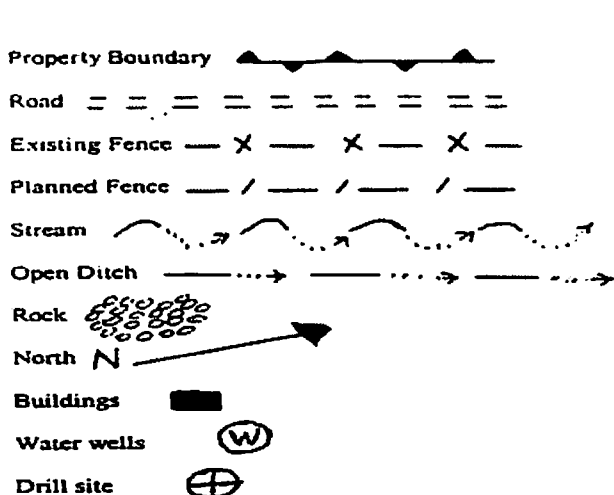
Subscribed and sworn before me this 18th day of Feb, 20 14

[Signature] Notary Public

My commission expires July 23, 2023

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Office of Oil and Gas





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		

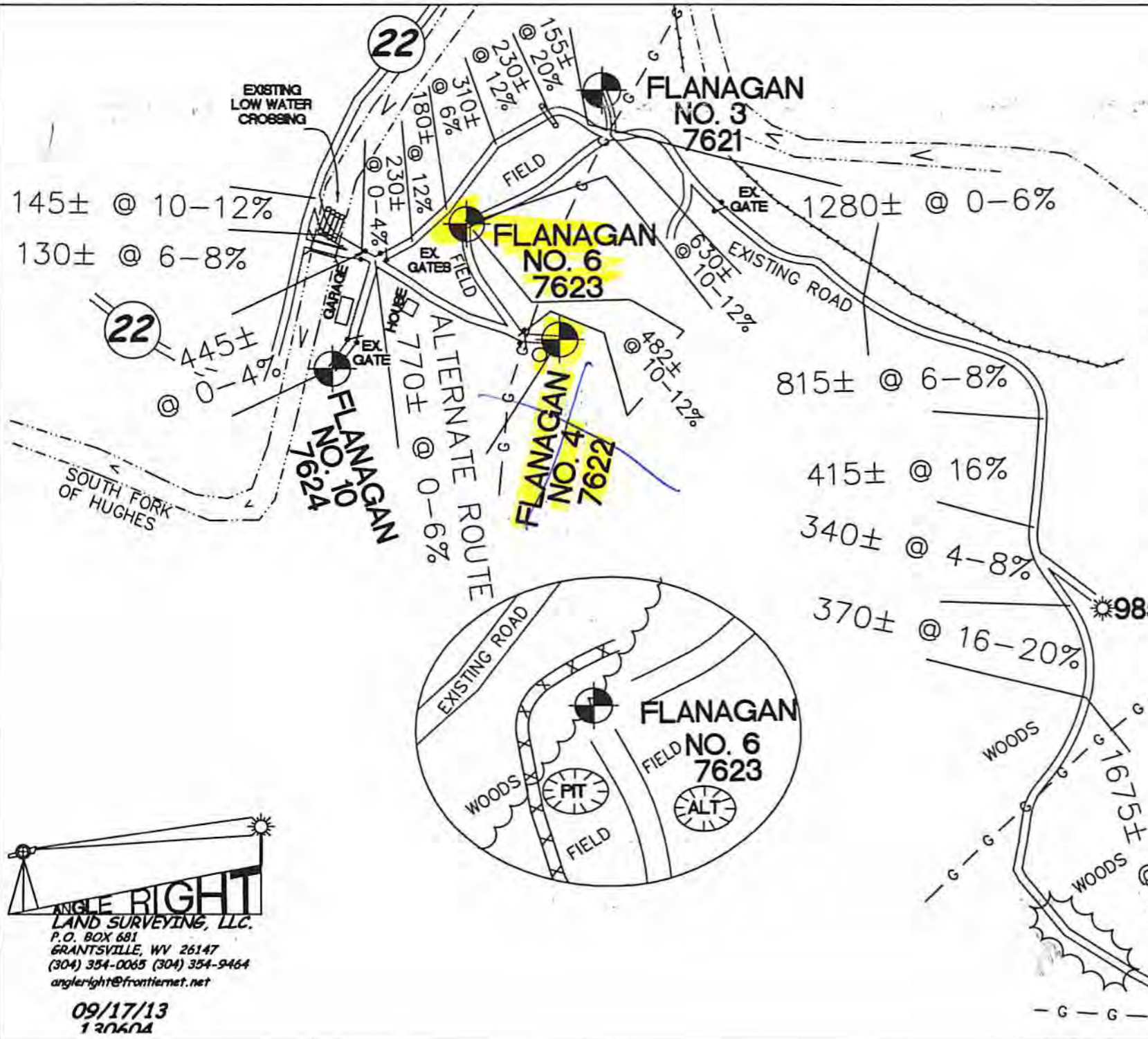
Attach:
 Drawing(s) of road, location, pit and proposed area for land application.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: *David M. Chen*
 Comments: *Plug well*

Title: *oil & 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.

DRAWING NOT REGENERATED
Office of Oil and Gas
FEB 2 0 2014
WV Department of Environmental Protection

WWW
Z. FLANAGAN 6
47-085-07623

PAGE OF

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

8507623P

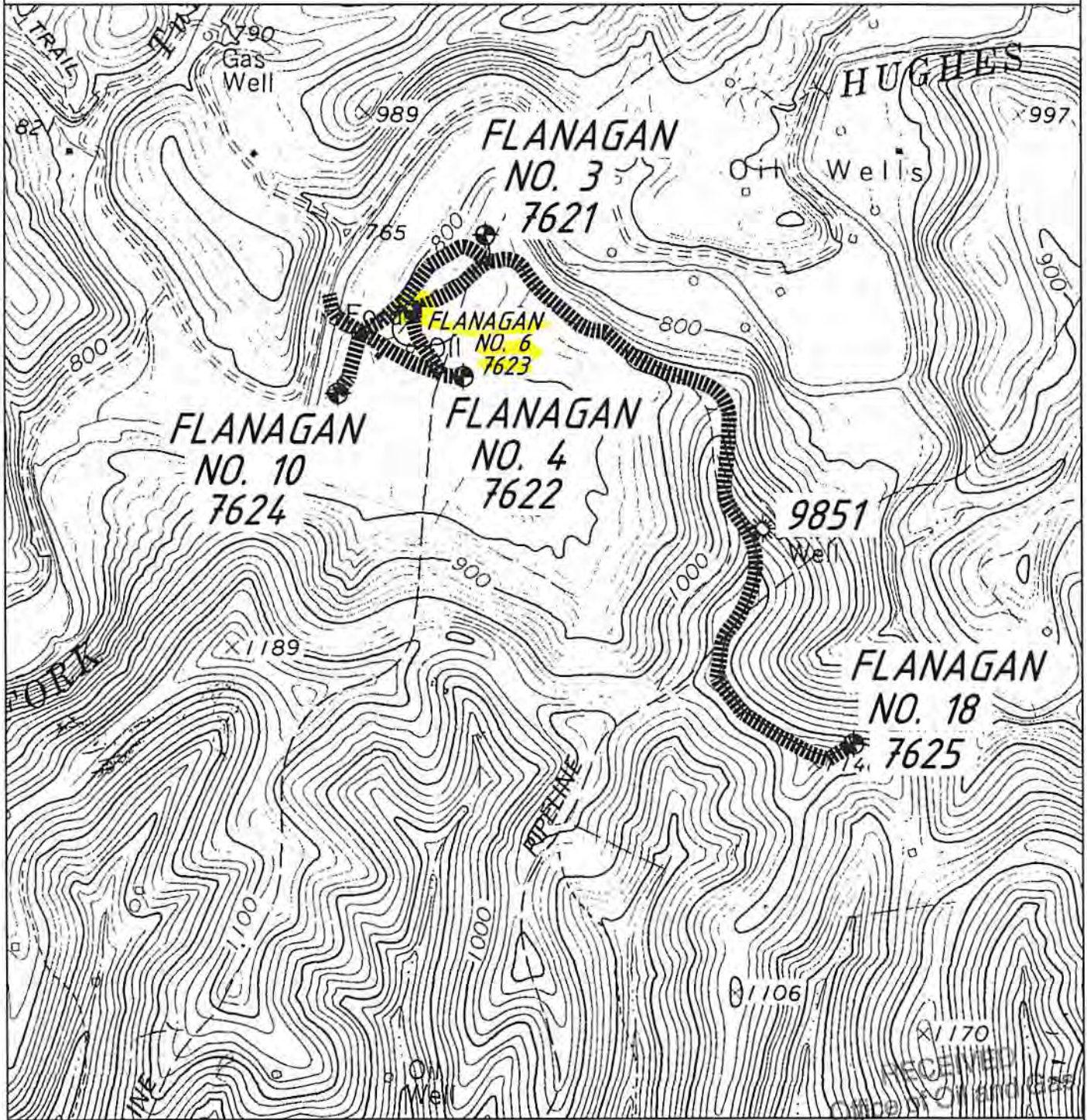
WW9

Z. FLANAGAN LEASE

PAGE OF

WELLS 3, 4, 6, 10, 18

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



ANGLE RIGHT LAND SURVEYING, LLC PO BOX 681 GRANTSVILLE, WV 26147 (304) 354-0065 130604	OPERATOR JAY-BEE PRODUCTION CO. 1720 RT. 22 EAST EAST UNION, NJ 07083	TOPO SECTION PULLMAN 7.5'	WELL NAME 2014 Z. FLANAGAN NO. 3,4,6,10,18
		SCALE: 1"=1000'	DATE 09/17/2013 RECEIVED Department of Environmental Protection

02/28/2014

Sub

NAD83 LONG.: 80° 54' 48.5"
DECIMAL: 80.913472

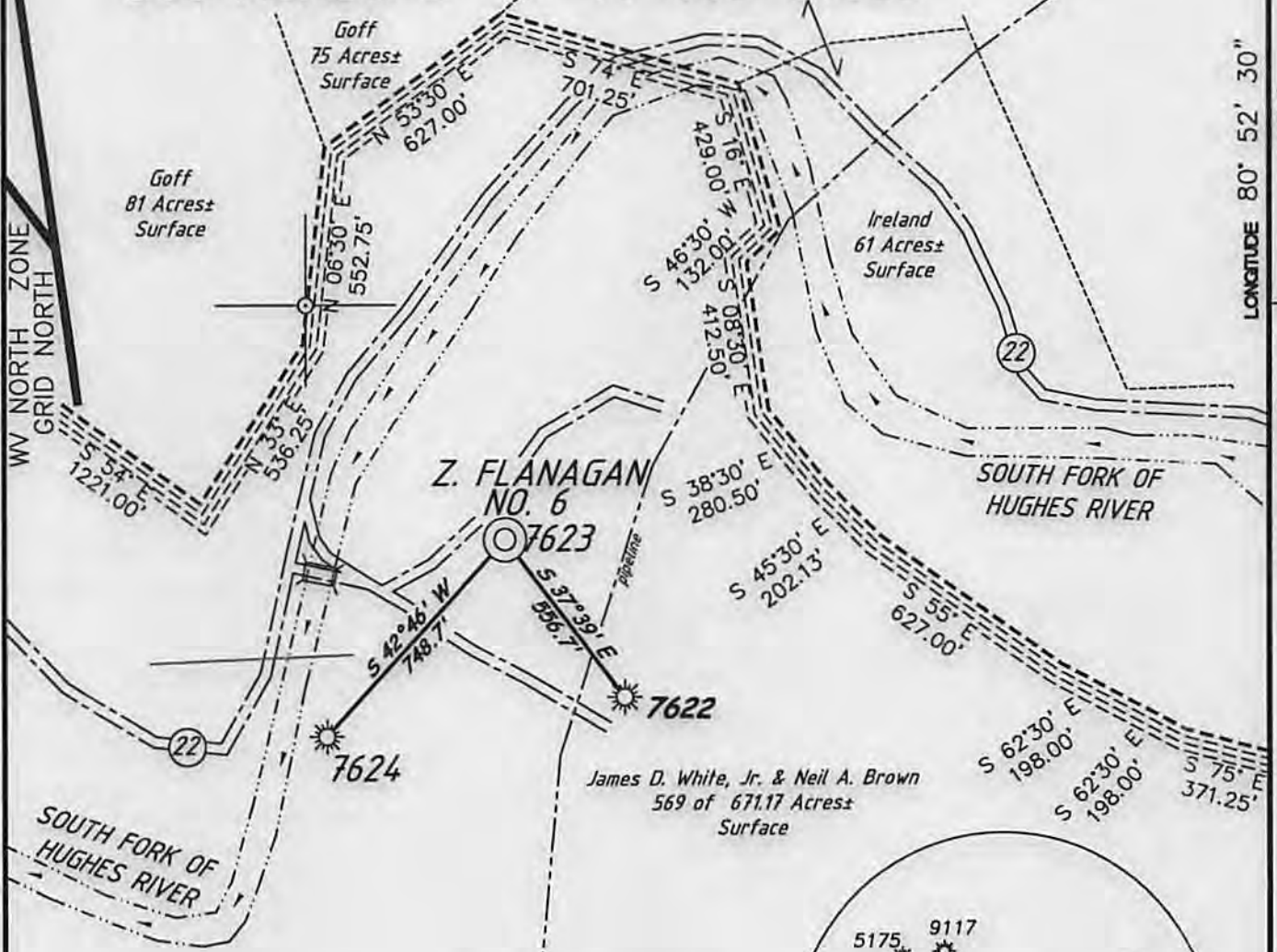
10,950'

LATITUDE 39° 10' 00"

Z. FLANAGAN LEASE WELL NO. 6 570 ACRES ± 47-085-07623

LONGITUDE 80° 52' 30"

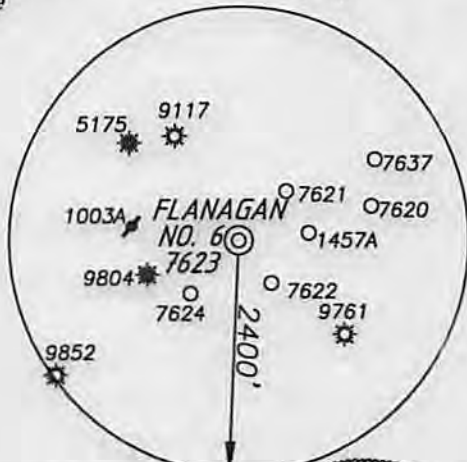
NAD83 LAT. 39° 09' 14.1"
LAT: 39.15391



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) 4,333,860.4 M
E) 507,476.3 M



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER	130604
DRAWING NUMBER	WP6(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. 6
API WELL NO. 47-085
STATE COUNTY PERMIT 07623P

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

LOCATION ELEVATION 833' 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 ASSESSED 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 CLEAN OUT & REPLUG

TARGET FORMATION INJUN SAND ESTIMATED DEPTH 1,850'

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

form wp6
A.R.L.S.