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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

October 28, 2014

**WELL WORK PLUGGING PERMIT**

**Plugging**

This permit, API Well Number: 47-8501270, 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: R-9B  
Farm Name: RINEHART, H. N. - HEIRS  
**API Well Number: 47-8501270**  
**Permit Type: Plugging**  
Date Issued: 10/28/2014

## 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.
4. This well is under a consent order and must be plugged under the terms of that agreement.

1) Date \_\_\_\_\_, 20\_\_\_\_  
2) Operator's  
Well No. Rinehart 9  
3) API Well No. 47-085 - 01270

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 968' Watershed Sheep Run  
District Grant County Ritchie Quadrangle Cairo 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 Patchwork Oil & Gas, LLC  
Address 1597 Devil Hole Road Address 8165 Elizabeth Pike  
Harrisville, WV 26362-7543 Elizabeth, WV 26143

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

Pull Inner Casing Strings as Required: =>

*g.w.m. 10/27/14*

- 14' OF 18" 1/2 400' OF 8 1/4" PULL 1260' OF 5"*
- GEL HOLE TO 1200'*
- CEMENT PLUG 1 FROM 1716' - 1610'*
- GEL HOLE TO 400'*
- SET CEMENT PLUG 2 FROM 1168' - 1068' WATER*
- SET CEMENT PLUG 3 FROM 450' - 350'*
- SET CEMENT PLUG 4 FROM 100' - SURFACE*

- ~~1751'-1716' 6% Gel, 1716'-1610' Cement~~
- ~~1610'-1068' 6% Gel, 1068'-968' Cement~~
- ~~968'-100' 6% Gel, 100'-0' Cement~~

(All plugs will be a minimum of 100' Class A Cement, with no more than 3% CaCL and no other additives)

Monument 3' above ground with a welded API

*6% GEL BETWEEN ALL PLUGS.*

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

Work order approved by inspector David W. Cowan Date 9-12-14

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
WELL RECORD

Permit No. Rit 1270  
Harrisville Quad.  
Company  
Address  
Farm  
Location  
Well No.  
District  
Surface  
Mineral  
Commenced  
Completed  
Date shot  
  
Oil  
Fresh Water

H.N. Rinehart  
Cairo, W.Va.  
H.N. Rinehart A 75  
Sheep Run  
9 Elev. 973.2  
Ritchie ? Ritchie County  
H.N. Rinehart , Cairo, W.Va.  
Same  
Nov. 20, 1948  
Dec. 27, 1948  
Jan. 6, 1949 Depth 1736 to 1746  
with 30 qts.  
6 bbls. 1st 24 hrs.  
1068'

Oil Well  
CASING & TUBING

18 14  
8 1/2 400  
5 1260

Sand	Wh	H	980	1020	
Sand	Wh	H	1055	1085	
Lime	Wh	H	1260	1275	
Sand	Wh	H	1345	1398	
Sand	Wh	H	1425	1485	
Sand	Wh	H	1500	1520	
Sand	Wh	H	1708	1748	
Lime	Bl	H	1748	1750	
Lime	Wh	H	1750	1751	Total depth 1751

Oil 1736-1746

WW-4A  
Revised 6-07

1) Date: \_\_\_\_\_  
2) Operator's Well Number  
Rinehart 9

3) API Well No.: 47 - 085 - 01270

**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 Kenneth & Melissa McPherson	Name N/A
Address 43 Forsythia Ave ✓	Address _____
Davisville, WV 26142	_____
(b) Name _____	(b) Coal Owner(s) with Declaration
Address _____	Name N/A
_____	Address _____
(c) Name _____	Name N/A
Address _____	Address _____
_____	_____
6) Inspector David Cowan	(c) Coal Lessee with Declaration
Address 1597 Devil Hole Road	Name N/A
Harrisville WV 26362-7543	Address _____
Telephone 304-389-3509	_____

**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: Shane Dowell  
 Its: Office Manager  
 Address 3570 Shields Hill Rd  
 Cairo, WV 26337  
 Telephone 304-628-3111

Subscribed and sworn before me this 9<sup>th</sup> day of September, 2014  
Theresa K. Ritter Notary Public  
 My Commission Expires May 12, 2033

**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).

8501270P

U.S. Postal Service™  
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OFFICIAL USE

0921 2521 1000 2250 0001 1757 7260  
7013 2250 0001 1757 7260

Postage	\$ 1.11
Certified Fee	3.30
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$



Sent To	Kenneth & Melissa McPherson
Street, Apt. No., or PO Box No.	43 Forsythia Ave
City, State, ZIP+4	Davisville WV 26042

PS Form 3800, August 2005

See Reverse for Instructions

10/31/2014

WV Department of Environmental Protection  
Office of Oil and Gas  
RECEIVED  
SEP 15 2014  
WW-9 Rev. 5/08

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

OK#  
44325  
100

Operator Name Jay-Bee Oil & Gas, Inc OP Code 24610

Watershed Sheep Run Quadrangle Cairo 7.5'

Elevation 968' County Ritchie District Grant

Description of anticipated Pit Waste: Formation Fluids

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

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 [Signature]

Company Official (Typed Name) Shane Dowell

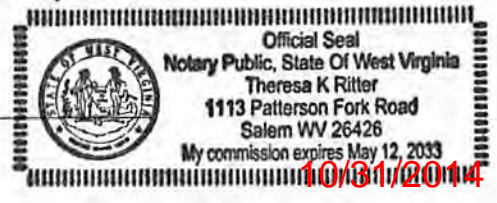
Company Official Title Office Manager

Subscribed and sworn before me this 9<sup>th</sup> day of September, 2014

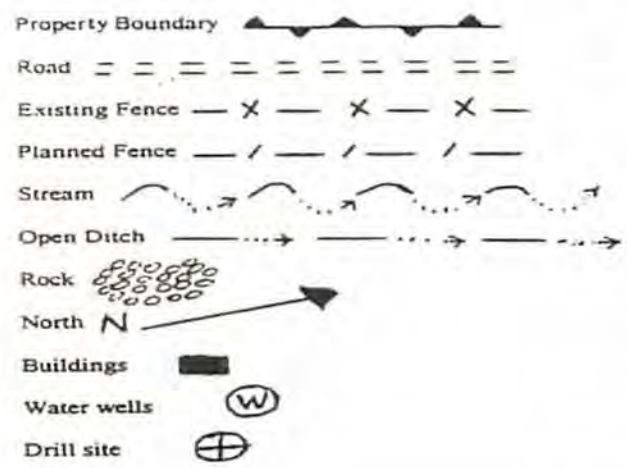
Theresa K. Ritter

Notary Public

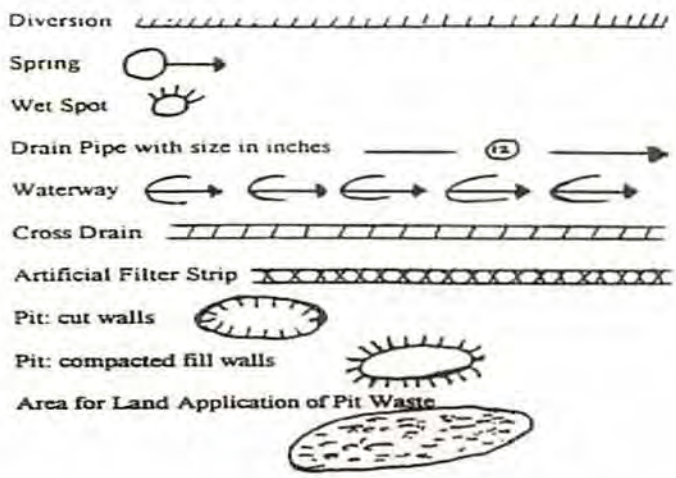
My commission expires May 12, 2033



10/8/2014



LEGEND



Proposed Revegetation Treatment: Acres Disturbed < 1 Prevegetation pH 6.0

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: David W. Loren

Comments: retain & seed mulch

Title: oil & gas inspector Date: 9-12-14

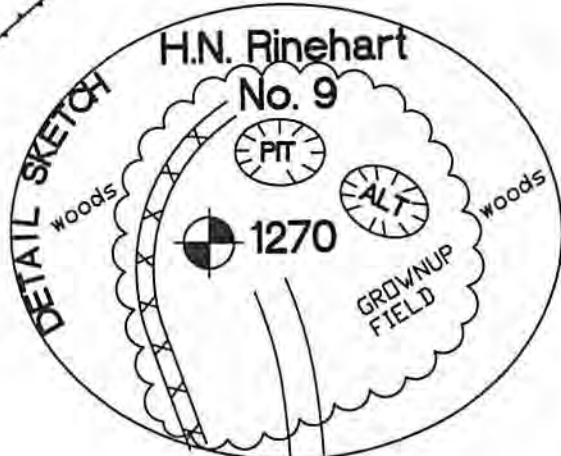
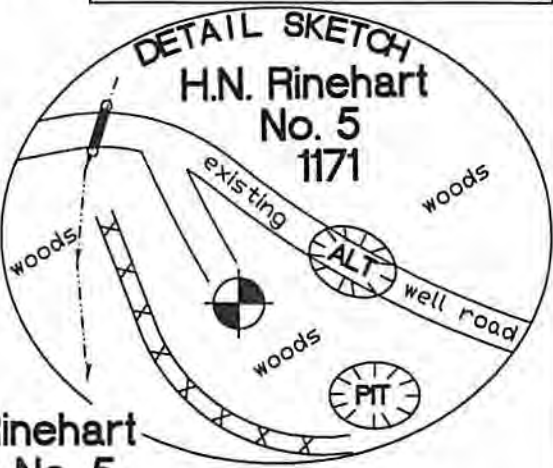
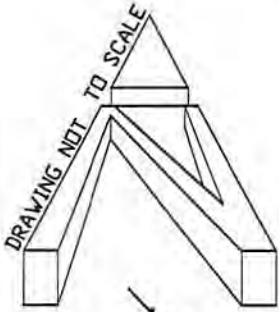
Field Reviewed? (  ) Yes (  ) No



WW9

# H.N. RINEHART 5 AND 9 47-085-1171 AND 1270

PAGE OF



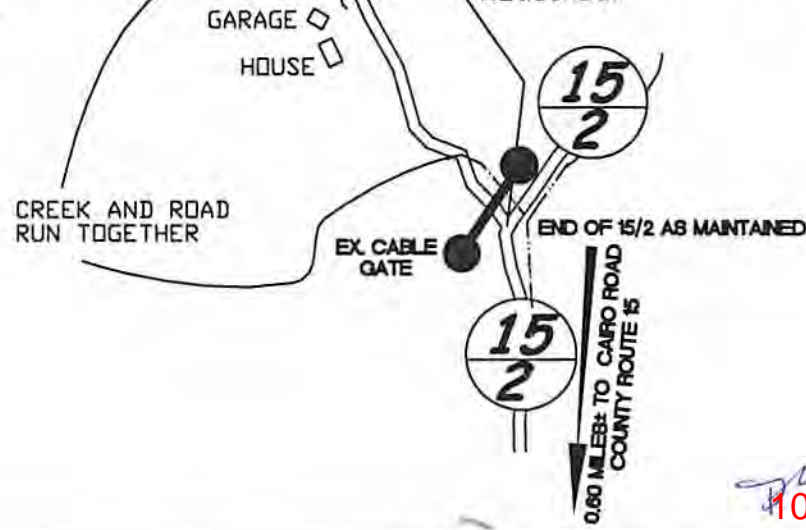
REFERENCE IS HEREBY MADE TO THE WV D.E.P. OFFICE OF OIL & GAS, 'EROSION AND SEDIMENT CONTROL FIELD MANUAL' FOR REQUIREMENTS AND BMPs FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES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

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.

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

08/27/14  
140611

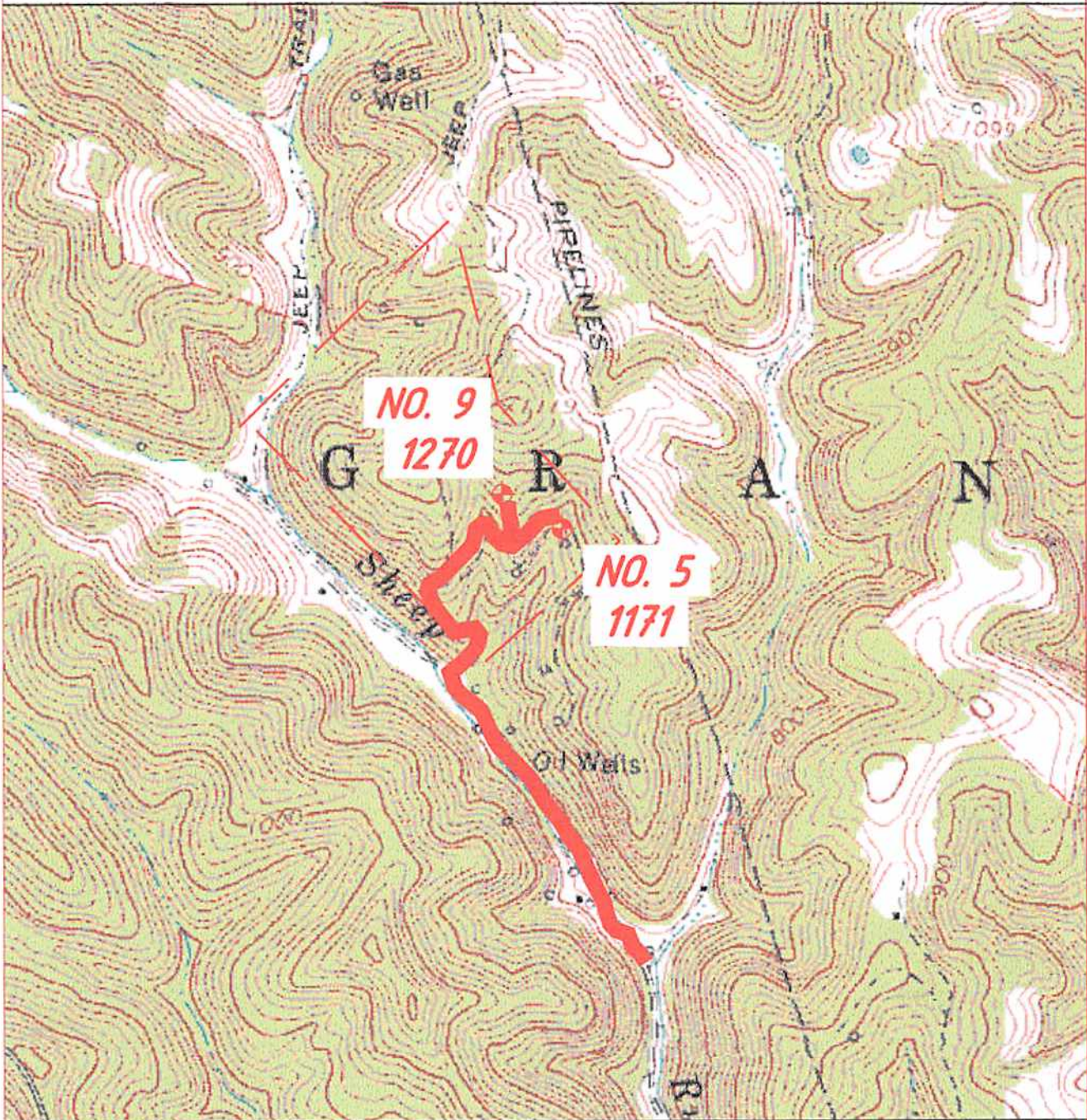


*[Signature]*  
10/31/2014

WW9

# H. N. RINEHART LEASE WELLS 5 AND 9 API NOS. 1171, 1270

PAGE 0F



ANGLE RIGHT LAND SURVEYING, LLC PO BOX 681 GRANTSVILLE, WV 26147 (304) 354-0065 140611	OPERATOR	TOPO SECTION	WELL NAME
	JAY-BEE PRODUCTION CO. 1720 RT. 22 EAST EAST UNION, NJ 07083	CAIRO 7.5'	H.N. RINEHART WELLS 5 AND 9
		SCALE:	DATE:
		1"=1000'	08/27/2014

*Deed*  
9-12-14  
10/31/2014

NAD83 LONG.: 81° 11' 36.7"  
DECIMAL: 81.19352

7,650'

LATITUDE 39° 12' 30"

# H. N. RINEHART LEASE

## 75 ACRES ±

### WELL NO. 9

### 47-085-01270

LONGITUDE 81° 10' 00"

7,255'

NAD83 LAT. 39° 11' 18.6"  
LAT: 39.18850

Heartwood  
Forestland Fund  
IV LP  
90 Acres±  
Surface

Vincent  
65 Acres±  
Surface

McPherson  
169 Acres±  
Surface

EXISTING WELL  
UTM NAD 83 ZONE 17  
COORDINATES  
N) 4,337,713.0 M  
E) 483,287.2 M

H. N. Rinehart  
NO. 9

McPherson  
67 Acres±  
Surface

Groah  
15 Acres±  
Surface

Hendricks  
132.75 Acres±  
Surface

**REFERENCE NOTES**

LEASE AS SHOWN TAKEN  
PLAT FOR 7154 AS PREPARED  
BY GREG SMITH DATED 9/21/1983.  
OWNERSHIP TAKEN FROM PUBLIC  
RECORDS OF RITCHIE COUNTY,  
WV IN AUGUST 2014.  
LAT./LONG. BY DIFFERENTIAL  
SUBMETER MAPPING GRADE GPS

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

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

FILE NUMBER 140611  
DRAWING NUMBER WP9PLUG(W19-8)  
SCALE 1"=400'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING  
GRADE GPS.

P.S.  
1006



LAND SURVEYING, LLC  
GRANTSVILLE, WV 26147  
(304) 354-0065



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

DATE: AUGUST 27, 2014  
OPERATORS WELL NO. H. N. RINEHART NO. 9  
API WELL NO. 47-085 01270P  
STATE COUNTY PERMIT

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

LOCATION ELEVATION 968' WATERSHED SHEEP RUN  
DISTRICT GRANT COUNTY RITCHIE  
QUADRANGLE CAIRO 7.5' LEASE NUMBER

SURFACE OWNER KENNETH L. AND MELISSA A. McPHERSON ACREAGE ASSESSED 169±  
OIL & GAS ROYALTY OWNER H. N. RINEHART HEIRS & ASSIGNS LEASE ACREAGE 75±

10/31/2014

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 LIME ESTIMATED DEPTH 1,751'

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 wwf

AR.LS