



1) Date: October 14, 1985

2) Operator's Well No. JK-1244

3) API Well No. 47 - 095 - 1119  
State County Permit

**RECEIVED**  
OCT 28 1985

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: Gas  / Oil  / Other   
B (If "Gas", Production  / Underground storage  / Deep  / Shallow )
- 5) LOCATION: Elevation: 1109' / Watershed: Big Run  
District: Centerville / County: Tyler / Quadrangle: West Union 7.5' 670
- 6) WELL OPERATOR J&J Enterprises, Inc. CODE: 24150 7) DESIGNATED AGENT Richard M. Reddecliff  
Address P.O. Box 48 / Address P.O. Box 48  
Buckhannon, WV 26201 / Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther  
Address General Delivery  
Middlebourne, WV 26419
- 9) DRILLING CONTRACTOR: Name S.W. Jack Drilling Co.  
Address P.O. Box 48  
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate  /  
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Rhine Street
- 12) Estimated depth of completed well, 5995' feet
- 13) Approximate trata depths: Fresh, 125' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes  / No  /

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	11 3/4	H-40	42	X		<u>250-30'</u>	<u>2500'</u>	<u>0 Sacks</u> <i>by rule 15-01</i>
Fresh water	8 5/8	ERW	23	X		<u>1709'</u>	<u>1709'</u>	<u>To Surface</u>
Coal	8 5/8	ERW	23	X		<u>1709'</u>	<u>1709'</u>	<u>To Surface</u> Sizes
Intermediate								
Production Tubing	<u>4 1/2</u>	<u>J-55</u>	<u>10.5</u>	<u>X</u>		<u>5995'</u>	<u>5945'</u>	<u>300 Sacks</u> or <u>as required by Rule 15-01</u> Depths set
Lin.								Perforations: Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-095-1119

October 28, 1985  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires October 28, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>MMU 2096</u>	Casing Fee	WPCP <input checked="" type="checkbox"/>	S&E <input checked="" type="checkbox"/>	Other
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Margaret J. Dasse  
Director, Division of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

05/03/2024 File

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) PROPOSED WELL WORK: [REVERSED]

2) LOCATION: [REVERSED]

3) OPERATOR: [REVERSED]

4) ADDRESS: [REVERSED]

5) CITY: [REVERSED]

6) COUNTY: [REVERSED]

7) STATE: [REVERSED]

8) ZIP: [REVERSED]

9) PHONE: [REVERSED]

10) OTHER INFORMATION: [REVERSED]

11) GEOLOGICAL TARGET FORMATION: [REVERSED]

12) ESTIMATED DEPTH OF CONFINED WELL: [REVERSED]

13) ESTIMATED DEPTH OF UNCONFINED WELL: [REVERSED]

14) ESTIMATED DEPTH OF WATER TABLE: [REVERSED]

15) CASING AND TUBING PROGRAM: [REVERSED]

DEPTH (FEET)	FORMATION	PERMEABILITY	REMARKS
1700'	MA	X	To Surface
1700'	MA	X	To Surface
1700'	MA	X	To Surface

OFFICE USE ONLY

This part of Form WW-2(B) is to record the dates of certain occurrences and any follow-up inspections.

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	" "
Completion of the drilling process	" "
Well Record received	" "
Reclamation completed	" "
OTHER INSPECTIONS	

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_

*Handwritten signature: M. M. M...*

1) Date: October 14, 1985  
Operator's  
2) Well No. JK-1244  
3) API Well No. 47-095--1119  
State County Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

5 (i) COAL OPERATOR N/A

Address \_\_\_\_\_

(i) Name Roy A. Meredith  
Address Rt. 1 Box 233  
Washington, WV 26181

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N/A

(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_

Address \_\_\_\_\_

(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

5 (iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A

Address \_\_\_\_\_

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form WW-2(B) which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form WW-6, and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION WW-2(B) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, with respect to a well at the location described on attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan 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 Director of the Division of Oil and Gas.

RECEIVED  
OCT 28 1985  
DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22B-1-8(c)(1) through (4). (see reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes  No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form WW-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Richard M. Reddecliff

this 14th day of October, 1985,  
My commission expires 12/7, 1992.

Notary Public, Gilmer County,  
State of WV

WELL OPERATOR J&J Enterprises, Inc.

By Richard M. Reddecliff  
Its Designated Agent  
Address P.O. Box 48  
Buckhannon, WV 26201  
Telephone 472-9403

05/03/2024

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division of Oil & gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code §22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code §22B-1-36.
- 6) See Code §22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11 (d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code §22B-1-6 and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22B-1-9, 22-B-1-13 and 22B-1-14.

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INFORMATION SUPPLIED UNDER CODE §22B-1-8(d)  
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book page</u>
------------------------------	------------------------------	----------------	------------------

( See attached sheet)

05/03/2024

Field Review #2519



RECEIVED  
OCT 28 1985

WW-9

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

State of West Virginia  
Department of ENERGY  
Oil and Gas Division

DATE October 11, 1985  
WELL NO. JK-1244  
API NO. 47 - 095 - 1119

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc. DESIGNATED AGENT Richard Reddecliff  
Address P.O. Box 48 - Buckhannon, WV 26201 Address P.O. Box 48 - Buckhannon, WV 26201  
Telephone 472-9403 Telephone 472-9403  
LANDOWNER Roy A. Meredith SOIL CONS. DISTRICT Upper Ohio  
Revegetation to be carried out by J&J Enterprises, Inc. (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan: 10-15-85 (Date)

Lloyd Justice  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>Inside Rd. Cuts</u>	Material <u>Earthen</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Road Culvert</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>8"-16" as required</u>	Material <u>Logs &amp;/or Stone</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>2-16</u>
Structure _____ (C)	Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed\* KY-31 30 lbs/acre  
Annual Rye 10 lbs/acre  
Red Clover 5 lbs/acre

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6.5  
Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)  
Mulch Hay 2 Tons/acre  
Seed\* Orchard Grass 30 lbs/acre  
Ladino Clover 5 lbs/acre  
Red Clover 5 lbs/acre

\*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY Smith Land Survey 05/08/2024

ADDRESS 111 South Street  
Glenville, WV 263351  
PHONE NO. 304-462-5634

NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

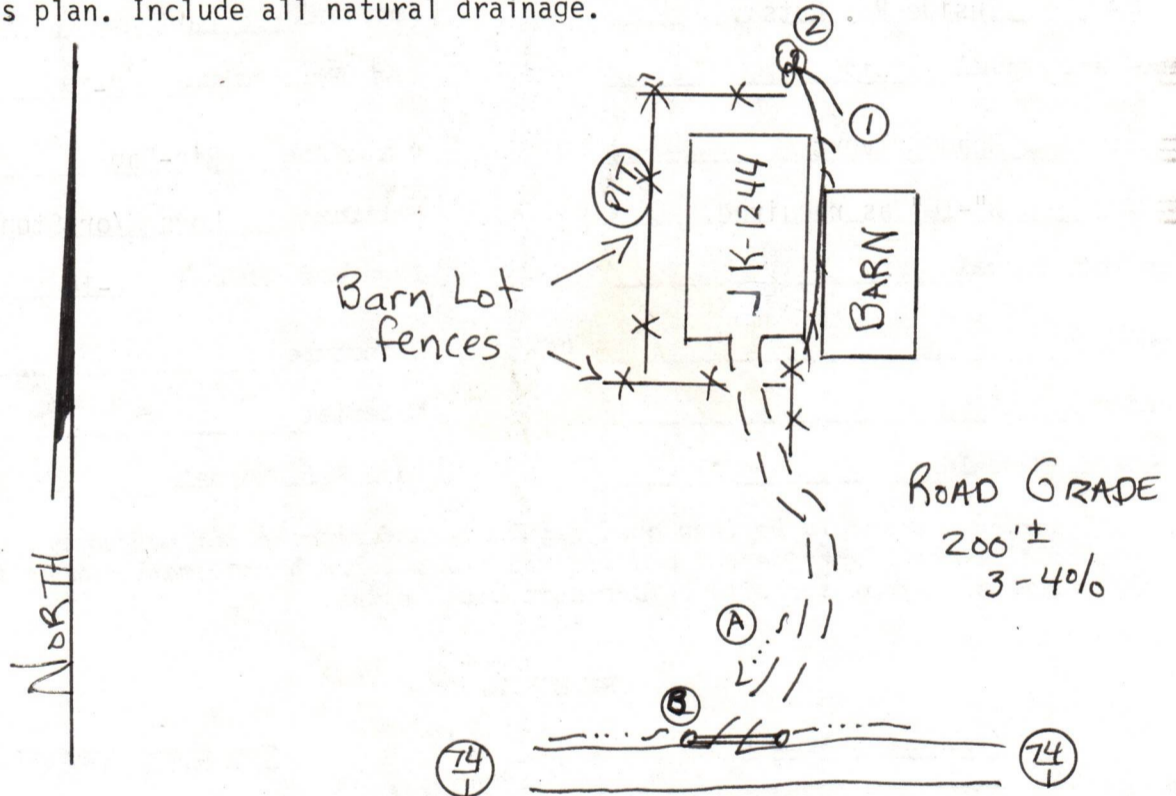
ATTACH OR PHOTOCOPY SECTION  
OF INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE West Union 7.5'

LEGEND  
WELL SITE ⊕ ACCESS ROAD ———



WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well-site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.



Drilling pit may vary in location other than that shown on this plan and/or other pits may be added due to soil type, newly discovered water systems, and the encounter of rock when building location.

Access road subject to change between company and land owner, or aquirement of right-of-way. If change is made , a revised reclamation plan will be submitted. All cuts 2:1 slope. All topsoil to be stockpiled and used in reclamation. All grades for roads and locations as well as sediment structures shown on drawing.

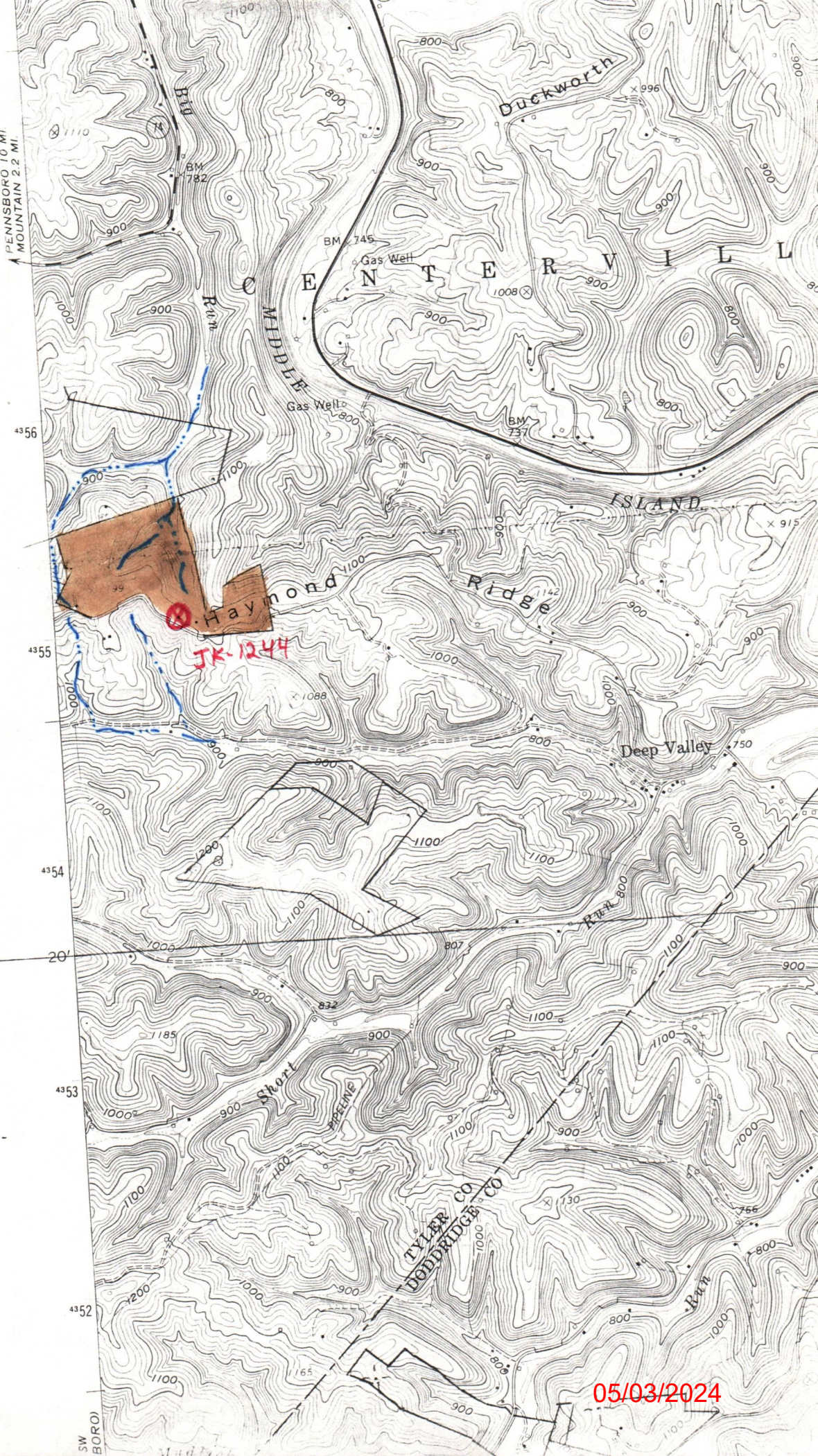
LEGEND

- DRAIN PIPE —○→○→
- ROAD ———
- DIVERSION
- WATERWAY
- STREAM
- OPEN DITCH —→—→

- PROPERTY BOUNDARY 05/03/2024
- EXISTING FENCE —x—x—x—
- PLANNED FENCE —/—/—/—
- BUILDING
- WET SPOT
- SPRING

**SLS**  
SMITH LAND SURVEYING CO.  
111 SOUTH ST.  
GLENVILLE, WV. 26351

PENNSBORO 10 MI  
MOUNTAIN 2.2 MI



4356

4355

4354

20'

4353

4352

SW BORO

05/03/2024

INFORMATION SUPPLIED UNDER CODE § 22B-1-8(d)

<u>Grantor, lessor, etc.</u>	<u>Grantee, lessee, etc.</u>	<u>Royalty</u>	<u>Book page</u>
* Roy A. Meredith	J&J Enterprises, Inc.	6/28 of 59.39 Ac.	257/527
		1/4 of 10.92 Ac.	" "
		1/4 of 5.81 Ac.	" "
		1/4 of 4.75 Ac.	" "

\* Leasing rights

59.39 Ac.

Roy A. Meredith	6/28
Ralph J. Washburn	9/28
Caroline Hill	2/28
Mary J. Gregg	2/28
Zelpha Doak	2/28
W.M. Ash	7/28

10.92 Ac.

Roy A. Meredith	1/4
Ralph J. Washburn	1/2
W.M. Ash	1/4

5.81 Ac.

Roy A. Meredith	1/4
Ralph J. Washburn	1/2
W.M. Ash	1/4

4.75 Ac.

Roy A. Meredith	1/4
Ralph J. Washburn	1/2
W.M. Ash	1/4





1) Date: October 14, 19 85  
 2) Operator's Well No. JK-1244  
 3) API Well No. 47 - 095 - 1119  
 State \_\_\_\_\_ County \_\_\_\_\_ Permit \_\_\_\_\_

**RECEIVED**  
OCT 28 1985

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

**APPLICATION FOR A WELL WORK PERMIT**

- DIVISION OF OIL & GAS
- 4) WELL TYPE: ON ENERGY / Gas  /  
 B (If "Gas", Production  / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow  /)
- 5) LOCATION: Elevation: 1109' Watershed: Big Run  
 District: Centerville County: Tyler Quadrangle: West Union 7.5'
- 6) WELL OPERATOR: J&J Enterprises, Inc. CODE: 24150 7) DESIGNATED AGENT: Richard M. Reddecliff  
 Address: P.O. Box 48 Address: P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Robert Lowther  
 Address: General Delivery  
Middlebourne, WV 26419
- 9) DRILLING CONTRACTOR: Name: S.W. Jack Drilling Co.  
 Address: P.O. Box 48  
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate   
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION: Rhine Street
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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
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Fresh water	8 5/8	ERW	23	X		1709'	1709'	To Surface	
Coal	8 5/8	ERW	23	X		1709'	1709'	To Surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5995'	5945'	300 Sacks or as required	Depths set by Rule 15-01
Tubing									Perforations:
Liners									Top Bottom

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

47-095-1119 VOLUNTARY STATEMENT OF NO OBJECTION October 28 85

I hereby state that I have read the instructions to surface owners on the reverse side of this Application, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form WW-2(A), (2) an Application for a Well Work Permit on Form WW-2(B), (3) a survey plat on Form WW-6, and (4) a Construction and Reclamation Plan on Form WW-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.) (For execution by natural persons)

NAME: [Signature]  
 By [Signature] Date 05/03/2024  
 Its \_\_\_\_\_ Date \_\_\_\_\_  
 (Signature) \_\_\_\_\_ Date \_\_\_\_\_

INSTRUCTIONS TO SURFACE OWNERS  
AND  
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT  
ON OIL AND GAS WELL WORK PERMIT

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22B, Article 1 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Director of the Division of Oil and Gas in the West Virginia Department of Energy immediately.

NOTE : YOU ARE NOT REQUIRED TO FILE ANY COMMENT AT ALL.

WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION :

Director, Division of Oil and Gas  
West Virginia Department of Energy  
1615 Washington Street, East  
Charleston, West Virginia 25311-2192  
(304) - 348 - 3500

Who may file comments? If you wish to file comments, you must be an owner of record of (1) and interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract over the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have FIFTEEN (15) DAYS after the filing date to file your comments as provided in METHODS FOR FILING COMMENTS below. You may call the Director's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Director's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Director for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Director.

List of Water Testing Laboratories. The Director maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Director's office or an Oil and Gas Inspector to obtain a copy of the list.

05/03/2024

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

RECEIVED OCT 28 1985

STATE OF West Virginia
COUNTY OF Wood

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Site and Drilling Pit Registration Application X

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) X / Form WW-3(A) / Form WW-4(A) /
(2) Application on Form WW-2(B) / Form WW-3(B) / Form WW-4(B) /
(3) Plat showing the well location on Form WW-6, and
(4) Construction and Reclamation Plan on Form WW-9 (unless the application is to plug a well)

--all with respect to operator's Well No. JK-1244 located in Centerville District, Tyler County, West Virginia, upon the person or organization named--

Roy A. Meredith

--by delivering the same in Wood County, State of West Virginia on the 25th day of October, 19 85 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- [x] Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.
[] Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

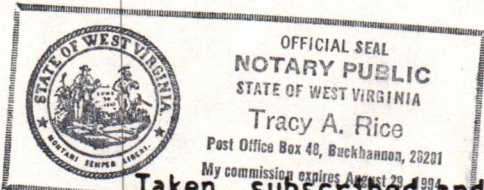
- [] Handing it to, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

- [] Handing it to the general partner, named, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

- [] Handing it to the corporation's employee / officer / director / attorney in fact / named.



Edward D. Smullin
(Signature of person executing service)

Taken, subscribed and sworn before me this 25 day of Oct, 19 85. My commission expires

Tracy Rice
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

SITE REGISTRATION APPLICATION FORM  
STATE OF WEST VIRGINIA/NPDES GENERAL PERMIT FOR OIL AND GAS  
DRILLING PIT WASTE DISCHARGE

Company Name J & J ENTERPRISES, INC.

Mailing Address P. O. BOX 48, BUCKHANNON, WV 26201  
street city state zip

Telephone 472-9403 4. Well Name JK-1244

Latitude 39-22-30 Longitude 80-50-00

NPDES # WV0073343 7. Dept. Oil & Gas Permit NO. 47-095-1119

County Tyler 9. Nearest Town Deep Valley

Nearest Stream Big Run 11. Tributary of Middle Island Creek

Will Discharge be Contracted Out? yes  no

If Yes, Proposed Contractor PKC  
 Address 44 Baltimore Street, Westover, WV 26505  
 Telephone 304-291-5960

Proposed Disposal Method: UIC \_\_\_\_\_ Land application   
 Off Site Disposal \_\_\_\_\_ Reuse \_\_\_\_\_ Centralized Treatment \_\_\_\_\_  
 Thermal Evaporation \_\_\_\_\_ Other \_\_\_\_\_

Attach to this application a topographic map (a duplicate of the one submitted to the Office of Oil and Gas) showing the outline of the facility, location of wells, springs, rivers and other surface water bodies, and drinking water wells known to the applicant in the area of the lease that may be impacted by any land application.

Nothing in the general permit shall be deemed in any way to new, or enlarge existing, rights of riparian owners or others. It does not do anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the provisions of W. Va. Code S22-4-1 et seq. The issuance of the general permit does not convey any property rights of any sort. Nor shall the issuance of the general permit give rise to any presumptions of law or facts of fact inuring to or for the benefit of persons other than the State of West Virginia.

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5283-99

Gas: Initial open flow 1,302 Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Combined Time of open flow between initial and final tests 4 hours

Static rock pressure 1600 psig (surface measurement) after 96 hours shut in  
 (If applicable due to multiple completion--)

Second producing formation Benson & Riley Pay zone depth 4985-86

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d

Time of open flow between initial and final tests \_\_\_\_\_ hours

Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

05/03/2024  
4585-4616

(Continue on reverse)

**DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.**

Alexander: Perforations: 5283-85 ( 7 holes) 5297-99 ( 7 holes)  
 Fracturing: 400 sks. 20/40 sand: 529 Bbls. fluid.  
 Benson: Perforations: 4985-86 ( 8 holes)  
 Fracturing: 400 sks. 20/40 sand:500 gal. acid: 574 Bbls. fluid.  
 Riley: Perforations: 4585-86 ( 4 holes) 4587-88 ( 4 holes) 4604-06 ( 3 holes) 4614-16(8 holes)  
 Fracturing: 430 sks. 20/ 40 sand:500 gal. acid: 510 Bbls. fluid: Foam frac.

BOTTOM HOLE PRESSURE Pf=Pwe<sup>XGLS</sup>

$$t=60+(5414 \times 0.0075)+459.7=560.3 \quad X=53.34T \frac{1}{53.34(560.3)} \frac{1}{29886} =0.0000334 \quad Pf=(1600)(2.72)$$

$$(0.0000334)(.661)(4942)(0.9) \quad Pf=(1600)(2.72)(0.0982) = (1600)(1.10)$$

Pf=1760 psi

**WELL LOG**

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil			0	8	
Sand & sandy shale			8	215	1/2" stream @ 681'
Sand, sandy shale & red rock			215	620	
Sand & sandy shale			620	995	1" stream @ 1565
Sandy shale & sand			995	1225	
Sand & sandy shale			1225	1375	1" stream @ 2227
Sandy shale & sand			1375	1860	
Sand & Sandy shale			1860	1925	-Gas ck @ 3501 0-20/10-1" w/water
Little lime			1925	1950	40.83 cu.ft.
Sandy shale			1950	1960	
Big Lime			1960	2030	Gas ck @ 5078 6/10-2" w/water
Sand & sandy shale			2030	2325	103,000 cu.ft.
Sand & sandy shale			2325	3485	
Sandy shale			3485	4585	Gas ck @ collars 10/10-2" w/water
Riley			4585	4616	133,000 cu.ft.
Sandy shale			4616	4985	
Benson			4985	4986	
Sandy shale			4986	5283	
Alexander			5283	5299	
Sandy shale			5299	5976	
				T.D.	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

05/03/2024

Well Operator

By: Daniel F. Stark

Date: 12/9/85 Daniel F. Stark - Asst/Geologist

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic  
 detailed geological record of all formations, including  
 and encountered in the drilling of a well."

IR-26  
Obverse

INSPECTOR'S PERMIT SUMMARY FORM

10-28-85

JUN 17 1986

WELL TYPE \_\_\_\_\_  
ELEVATION \_\_\_\_\_  
DISTRICT Centerville  
QUADRANGLE \_\_\_\_\_  
COUNTY Tyler

API# 47-095 - 1119  
OPERATOR J & J Enterprises  
TELEPHONE \_\_\_\_\_  
FARM Meredith  
WELL # JH 1244

SURFACE OWNER \_\_\_\_\_ COMMENTS \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
TARGET FORMATION \_\_\_\_\_ DATE APPLICATION RECEIVED \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
LOCATION \_\_\_\_\_ NOTIFIED \_\_\_\_\_ DRILLING COMMENCED \_\_\_\_\_

WATER DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
COAL DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

CASING

Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up

TD \_\_\_\_\_ feet on \_\_\_\_\_

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: \_\_\_\_\_ Type \_\_\_\_\_

Field analysis                      ph \_\_\_\_\_                      fe \_\_\_\_\_                      cl \_\_\_\_\_

Well Record received \_\_\_\_\_

Date Released June 13, 1986

R. A. Lowther  
Inspector's signature

05/03/2024

API# 47 \_\_\_\_\_ - \_\_\_\_\_

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

FERC-121

1.0 API well number: (If not available, leave blank. 11 digits.)	47-095-1119			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	103 Section of NGPA	N/A Category Code		
3.0 Depth of the deepest completion in casing (Only enter field numbers 103 or 107 in 2.0 above.)	5299 feet			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	J & J Enterprises, Inc.		009480	
	P.O. Box 697		Section Code	
	Street	Indiana,	Pa.	15701
	City	State	Zip Code	
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Centerville			
	Field Name	Tyler		WV
	County	State		
(b) For OCS wells	N/A			
	Area Name	Block Number		
	Date of Lease:			
	Mo.	Day	Yr.	
	OCS Lease Number			
(c) Name and identification number of this well (35 letters and digits maximum.)	JK-1244			
(d) If code 4 or 5 in 2.0 above, name of the reservoir (25 letters maximum.)	N/A			
6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)	Purchaser not yet designated			
	Name			Section Code
(b) Date of the contract.	Mo. Day Yr.			
(c) Estimated annual production:	MMcf			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price (As of filing date. Complete (a) through (c).)	3 0 5 6	2 7 8	---	3 3 3 0
8.0 Maximum level rate (As of filing date. Complete (a) through (c).)	3 0 5 6	2 7 8	---	3 3 3 0
9.0 Person responsible for the application	J. H. McElwain			
Agency Use Only	Name			Title
Date received by State Agency	<i>James H. McElwain</i>			Exec. V. President
Date received by FERC	12-10-85			(612) 349-6000
Date of completion of application	Date of completion of application			File # Number 05703/2024

DEC 11 1985

05703/2024



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

35912-69

DEC 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Dec 10, 1985 24150

AGENCY USE ONLY

Applicant's Name: J & J ENTERPRISES, INC.

WELL DETERMINATION FILE NUMBER  
851211 - 1030 - 095 - 1119  
Use Above File Number on all  
Communications Relating to This Well

Address: P.O. Box 697

Indiana, PA. 15701

Gas Purchaser Contract No. \_\_\_\_\_

Date of Contract \_\_\_\_\_  
(Month, day and year)

First Purchaser: Purchaser not yet designated P 629

Designated Agent: Richard Rockcliff

Address: \_\_\_\_\_  
(Street or P.O. Box)

Address: P.O. Box 4R  
Buckhannon, WVA 26201

FERC Seller Code 009480 (City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip Code) \_\_\_\_\_

FERC Buyer Code \_\_\_\_\_

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Vicki Vanderberg (Print) \_\_\_\_\_ (Title) \_\_\_\_\_

Signature: Vicki Vanderberg

Address: P.O. Box 697  
(Street or P.O. Box)  
Indiana, PA. 15701

Telephone: 412 349-6800  
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 02 New Natural Gas
  - 102-2 2.5 Mile Test
  - 102-3 1000 Foot Deeper Test
  - 102-4 New Onshore Reservoir
- 03 New Onshore Production Well
  - 103 New Onshore Production Well
- 07 High Cost Natural Gas
  - 107-0 Deep (more than 15,000 feet)
  - 107-1 Geopressured Brine
  - 107-2 Coal Seams
  - 107-3 Devonian Shale
  - 107-5 Production enhancement
  - 107-6 New Tight Formation
  - 107-7 Recompletion Tight Formation

- 108 Stripper Well Natural Gas
  - 108- Stripper Well
  - 108-1 Seasonally Affected
  - 108-2 Enhanced Recovery
  - 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

**QUALIFIED**  
05/03/2024

RECEIVED  
DEC 11 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

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

Date Dec 10 1985

Operator's Well No. JK-1244

API Well No. 47 - 095 - 1119  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT James R. Willett  
ADDRESS S.W. Jack Drilling Company  
Box 48 Buckhannon, W. VA. 26201

WELL OPERATOR J & J Enterprises, Inc.  
ADDRESS P. O. Box 697  
Indiana, PA 15701

LOCATION: Elevation 409  
Watershed Big Run  
Centerville County Tyler Quad W Union

GAS PURCHASER Purchaser not yet designated

Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

ADDRESS \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: November 4, 1985

Indicate the bottom hole pressure of the well and explain how this was calculated:

Rock Pressure: Well was shut in several days after treatment and pressure was measured

BOTTOM HOLE PRESSURE Pf=Pwe<sup>XGLS</sup>

$$t=60+(5414 \times 0.0075)+459.7=560.3 \quad X=53.34T = 53.34(560.3)=29886 = 0.0000334 \quad Pf=(1600)(2.72)$$

$$(0.0000334)(.661)(4942)(0.9) \quad Pf=(1600)(2.72)(0.0982) = (1600)(1.10)$$

Pf=1760 psi

AFFIDAVIT

I, James H. McElwain, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

James H. McElwain

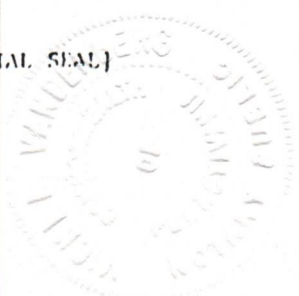
STATE OF WEST VIRGINIA, PA  
COUNTY OF Indiana, TO WIT:

I, Vicki Vanderberg a Notary Public in and for the state and county aforesaid, do certify that J.H. McElwain, whose name is signed to the writing above, bearing date the 10 day of Dec, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 10 day of Dec, 1985  
My ~~XXXXXXXXXXXX~~ expires on the 23 day of January, 1988  
Commission

Vicki L. Vanderberg 05/03/2024  
Notary Public

[NOTARIAL SEAL]



VICKI L. VANDERBERG, NOTARY PUBLIC  
INDIANA BOROUGH, INDIANA COUNTY  
MY COMMISSION EXPIRES JAN. 23, 1988  
Member, Pennsylvania Association of Notaries

WOMANLY VARIETY SHOP  
1000 W. 10TH ST. - 1ST FLOOR  
WYOMING COUNTY  
MY PERMISSION EXPIRES JAN. 23 1988  
Harrisburg, Pennsylvania - Division of Hospitals



05/03/2024

FERC-121

1.0 API well number: (If not available, leave blank. 11 digits.)	47-095-1119			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	107 <u>Section of NGPA</u>	N/A <u>Category Code</u>		
3.0 Depth of the deepest completion location (Only use field numbers 103 or 107 in 2.0 above.)	5299 feet			
4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)	J & J Enterprises, Inc. <u>Name</u> P.O. Box 697 <u>Street</u> Indiana, Pa. 15701 <u>City</u> <u>State</u> <u>Zip Code</u>		009480 <u>Section Code</u>	
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Centerville <u>Field Name</u> Tyler WV <u>County</u> <u>State</u>			
(b) For OCS wells:	N/A <u>Area Name</u>		<u>Block Number</u>	
	Date of Lease: Mo. Day Yr.		<u>OCS Lease Number</u>	
(c) Name and identification number of this well (35 letters and digits maximum.)	JK-1244			
(d) If code 4 or 5 in 2.0 above, name of the lessee(s) (35 letters maximum.)	N/A			
6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)	Purchaser not yet designated <u>Name</u> <u>Section Code</u>			
(b) Date of the contract.	Mo. Day Yr.			
(c) Estimated annual production:	<u>MMcf</u>			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate + or -.)	(d) Total of (a), (b) and (c)
7.0 Contract price (Last filing date - Complete (a) decimal places.)	6 1 1 2 -----	2 7 8 -----	-----	6 3 9 0 -----
8.0 Maximum lease rate (Last filing date - Complete (a) decimal places.)	6 1 1 2 -----	2 7 8 -----	-----	6 3 9 0 -----
9.0 Person responsible for this application	J. H. McElwain <u>Exec. V. President</u> <u>Name</u> <u>Title</u> <i>James H. McElwain</i> <u>Signature</u> 12-10-85 (412) 349-6300 <u>Date registration is completed</u> <u>File # Number</u>			

DEC 11 1985

05/03/2024

STATE OF WEST VIRGINIA  
35912-69  
DEPARTMENT OF MINES, OIL AND GAS DIVISION

DEC 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Dec 10, 1985 24150

AGENCY USE ONLY

Applicant's Name: J & J ENTERPRISES, INC.

WELL DETERMINATION FILE NUMBER  
851211-1073-095-1119  
Use Above File Number on all  
Communications Relating to This Well

Address: P.O. Box 697

Indiana, PA. 15701

Gas Purchaser Contract No. \_\_\_\_\_

Date of Contract \_\_\_\_\_  
(Month, day and year)

First Purchaser: Purchaser not yet designated

Designated Agent: Richard Rodcliff

Address: \_\_\_\_\_  
(Street or P.O. Box)

Address: P.O. Box 48

Buckhannon, WVA 26201

(City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip Code) \_\_\_\_\_

FERC Seller Code 009480

FERC Buyer Code \_\_\_\_\_

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL  
BE ADDRESSED:

Name: Vicki Vanderberg

(Print) \_\_\_\_\_ (Title) \_\_\_\_\_

Signature: *Vicki Vanderberg*

Address: P.O. Box 697

(Street or P.O. Box)  
Indiana, PA. 15701

(City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip Code) \_\_\_\_\_

Telephone: 412 349-6800  
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 02 New Natural Gas
- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

- 108 Stripper Well Natural Gas
- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

- 03 New Onshore Production Well
- 103 New Onshore Production Well

- 07 High Cost Natural Gas
- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

AGENCY USE ONLY

**QUALIFIED**  
  
**05/03/2024**

RECEIVED  
DEC 11 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

DEVONIAN SHALE GAMMA RAY LOG ANALYSIS  
APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT

Operator: J & J Enterprises, Inc. Agent: Richard Reddecliff  
 Type Determination being sought - 107 (Devonian Shale)  
 API Well No.: 47-095-1119 Well Name: Meredith (JK-1244)  
 West Virginia Office of Oil and Gas County: Tyler  
 References: SJA File No.

Vol. \_\_\_\_\_ Page \_\_\_\_\_ Line \_\_\_\_\_

I. NOTE: A Gamma Ray Log has been marked with the (a) Shale Base Line, (b) a line representing 0.7 x (Shale Base Line), (c) intervals with Gamma Ray units less than 0.7 x (Shale Base Line) and that log is included with this analysis.

II. Gamma Ray elevation indices:

A. Shale Base Line (API Units)

1. GR Value at Base Line =  $\frac{170}{100} * \text{API Units}$
2. Remarks: Fluid level caused a shift in the GR Value from 170 API Units to 100 API Units @5578'

B. Gamma Ray Log Value at 0.7 x Value at Base Line

1. GR Value =  $\frac{119}{70} * \text{API Units}$
2. Calculation:  $\frac{0.7 (\text{GR Value at Base Line})}{0.7 (\frac{170}{100} *)} = \frac{119}{70} \text{ API Units}$

III. Intervals with GR index less than 0.7 x (Value at Base Line):

Interval		Thickness of Interval Feet	Feet of less than* 0.7 (Shale Base Line) Feet
From**	To***		
2503'	5578'	3075'	110'
5578'	5945'	367'	4'

Total Devonian Interval 3442'

Total Less Than 0.7 (Shale Base)

114'

% Less Than 0.7 (Shale Base Line) =  $\frac{0.0331}{1} \times 100 = \underline{3.31} \%$  05/03/2024

\*Marked on log included with analysis.

\*\*Top of Devonian Section Recorded on First Interval in this Column.

\*\*\*Lesser of TD or Bottom of Devonian Section Recorded as last Interval in this Column.

WELL CLASSIFICATION FORM  
HIGH COST GAS WELL - DEVONIAN SHALE  
NGPA Section 107

DESIGNATED AGENT Richard Reddecliff

ADDRESS P.O. Box 48  
Buckhannon, West Virginia, 26201

LOCATION Elevation 1107

Watershed Big Run  
Centerville  
Dist. \_\_\_\_\_ County Tyler Quad 10 Umc.

Gas Purchase Contract No. \_\_\_\_\_

Meter Chart Code \_\_\_\_\_

Date of Contract \_\_\_\_\_

WELL OPERATOR J & J Enterprises, Inc.

ADDRESS P.O. Box 697  
Indiana, PA 15701

GAS PURCHASER Not Yet Designated

ADDRESS \_\_\_\_\_

\* \* \* \* \*

Date surface drilling began: November 4, 1985

Indicate the bottom hole pressure of the well and explain how this was calculated.

BOTTOM HOLE PRESSURE Pf=Pwe<sup>XGLS</sup>

$$t=60+(5414 \times 0.0075)+459.7=560.3 \quad X=53.34T = 53.34(560.3)=29886 = 0.0000334 \quad Pf=(1600)(2.72) \\ (0.0000334)(.661)(4942)(0.9) \quad Pf=(1600)(2.72)(0.0982) = (1600)(1.10)$$

Pf=1760 psi

AFFIDAVIT

I, James H. McElwain, having been first sworn according to law, state that I have calculated the percentage of footage of the producing interval which is not Devonian Shale as indicated by a Gamma Ray index of less than 0.7 if a Gamma Ray log described in subparagraph (3)(1) or (3)(11)(A) has been filed, or as indicated by the report described in subparagraph (3)(11)(B); I have demonstrated that the percentage of potentially disqualifying non-shale footage is equal to or less than five (5) percent of the gross Devonian age interval; and I have no knowledge of any information not described in the application which is inconsistent with a conclusion that the well qualifies as a high-cost natural gas well.

James H. McElwain

STATE OF ~~WEST VIRGINIA~~ PA

COUNTY OF Indiana, TO-WIT:

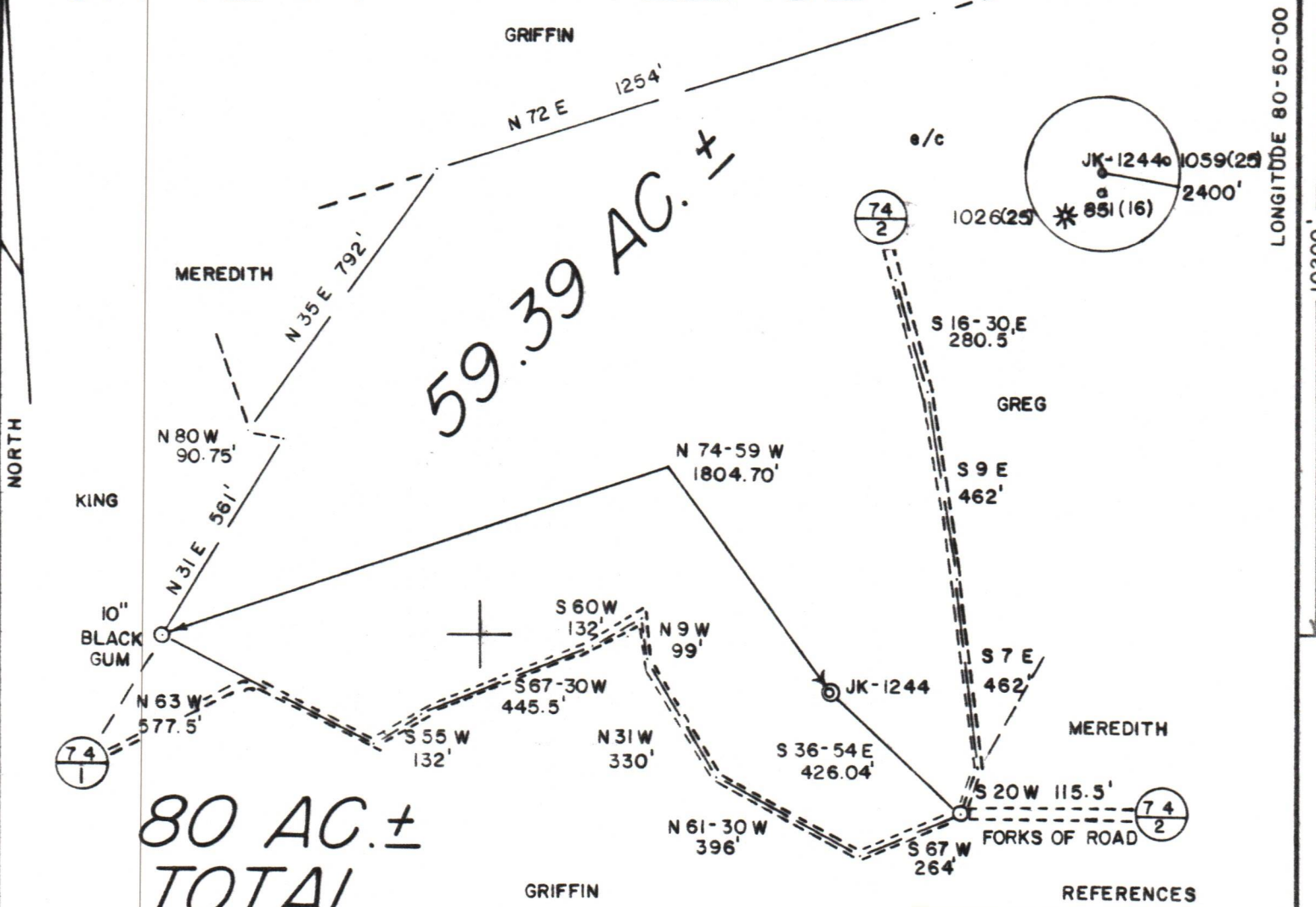
I, Vicki L. Vanderberg, a Notary Public in and for the state and county aforesaid, do certify that James H. McElwain, whose name is signed to the writing above, bearing date the 10 day of Dec, 1985, has acknowledged the same before me, in my county aforesaid. 05/03/2024

Given under my hand and official seal this 10 day of Dec, 1985.  
My term of office expires on the 23 day of January, 1988.

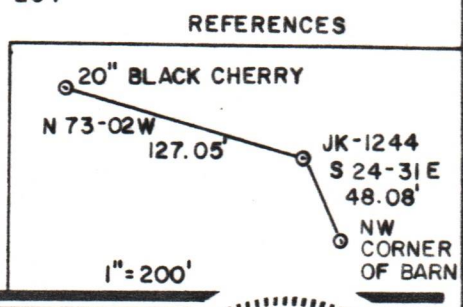
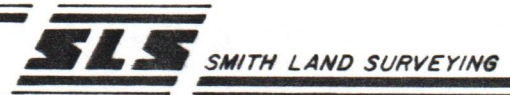
(NOTARIAL SEAL)

Vicki L. Vanderberg  
VICKI L. VANDERBERG, Notary Public  
Notary Public  
MY COMMISSION EXPIRES  
Member, Pennsylvania Notaries

# WELL NO. JK-1244 MEREDITH LEASE



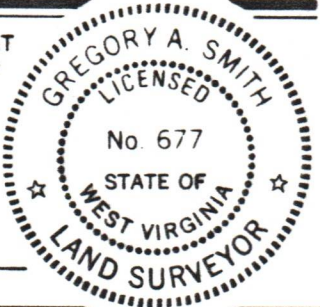
## 80 AC.± TOTAL



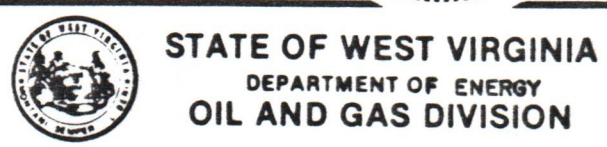
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 DATE OCT. 18, 1985  
 OPERATORS WELL NO. JK-1244  
 API WELL NO. 47-095-1119  
 STATE COUNTY PERMIT

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 ENERGY.

L.L.S. 677 *Gregory A. Smith*



MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 17-73  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. 1199' SCALE 1" = 400'



WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1109' WATERSHED BIG RUN  
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5'  
 SURFACE OWNER ROY A. MEREDITH ACREAGE 59.39  
 OIL & GAS ROYALTY OWNER ROY A. MEREDITH, et. al. LEASE ACREAGE 59.39 of 80

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF  
 OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION RHINE STREET  
 ESTIMATED DEPTH 5995'

WELL OPERATOR J&J ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF  
 ADDRESS P.O. BOX 48 BUCKHANNON, WV 26101 ADDRESS P.O. BOX 48 BUCKHANNON, WV 26101

00-05-08 80-00-00

1020'

COUNTY NAME

PERMIT

05/03/2024





By completing and submitting this application, I have reviewed, understand, and agree to the terms and conditions of the general permit issued on July 10, 1985. I understand that provisions of the permit are enforceable by law. Violations of any term and 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 and that, based on my inquiry of those individuals immediately responsible for obtaining the information. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

COMPANY OFFICIAL SIGNATURE Edward G. Summerfield DATE 8-29-85

Please attached \$50.00 permit application fee required by Series III, Section 7, of the West Virginia Administrative regulations of the State Water Resources Board.

All spills or accidental discharges are required to be reported immediately to the Emergency Response Spill Alert System toll free telephone number 1-800-642-3074.

LANDOWNER ADMINISTRATIVE REVIEW RIGHTS

The conditions in the general NPDES permit for pit waste treatment and discharge have been developed so that they are applicable to general conditions found throughout the state. There may be particular sets of circumstances at specific sites that require modification of established procedures. You as a land owner, if you feel the site on your property requires such consideration for water quality/general permit compliance related matters, may request an administrative review of that site. If there are valid water quality concerns, the Division of Water Resources will address them by either not allowing the pit construction and subsequent discharge, or by altering the standard operating procedures to deal with the particular unique nature of this site. Such requests should be forwarded in writing to:

Chief, Division of Water Resources  
Department of Natural Resources  
1201 Greenbrier St.  
Charleston, West Virginia 25311.

To ensure prompt review of your site it is suggested that you also call the Field Operations Branch (348-2745) and verbally make the request.

WAIVER

I, Roy Meredith landowner, have no objections to the disposal of the Pit Waste Water on my property for Well # JK-1244.

SIGNED Roy A. Meredith

DATE 10-25-85

SIGNED Carol Ann Meredith

05/03/2024

**RECEIVED**  
DEC 10 1985



Date December 9, 1985  
Operator's  
Well No. JK-1244  
Farm Roy Meredith  
API No. 47 - 095 - 1119

DIVISION OF OIL & GAS  
DEPT. OF ENERGY

State of West Virginia  
Department of Mines  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil  / Gas  / Liquid Injection  / Waste Disposal  /  
(If "Gas," Production  / Underground Storage  / Deep  / Shallow  /)

LOCATION: Elevation: 1109 Watershed Big Run  
District: Centerville County Tyler Quadrangle West Union 7.5

COMPANY J&J Enterprises, Inc.  
ADDRESS P.O. Box 48, Buckhannon, WV 26201  
DESIGNATED AGENT Richard Reddecliff  
ADDRESS P.O. Box 48, Buckhannon, WV 26201  
SURFACE OWNER Roy A. Meredith  
ADDRESS Rt. # 1, Box 233, Washington, WV 26181  
MINERAL RIGHTS OWNER Same as surface  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Robert  
Lowther ADDRESS Middlebourne, WV 26419  
PERMIT ISSUED 10/28/85  
DRILLING COMMENCED 11/4/85  
DRILLING COMPLETED 11/13/85

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"	12.60	12.60	0 sks.
9 5/8			
8 5/8	1263.75	1263.75	270 sks.
7			
5 1/2			
4 1/2	5413.87	5413.87	380 sks.
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Rhine Street Depth \_\_\_\_\_ feet  
Depth of completed well 5976 feet Rotary  / Cable Tools \_\_\_\_\_  
1565  
Water strata depth: Fresh 445,681 feet; Salt 0 feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Alexander Pay zone depth 5283-99 feet  
Gas: Initial open flow 1,302 Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Final open flow \_\_\_\_\_ Bbl/d  
Combined  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1600 psig (surface measurement) after 96 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation Benson & Riley Pay zone depth 4585-4616 feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Alexander: Perforations: 5283-85 ( 7 holes) 5297-99 ( 7 holes)  
 Fracturing: 400 sks. 20/40 sand: 529 Bbls. fluid.  
 Benson: Perforations: 4985-86 ( 8 holes)  
 Fracturing: 400 sks. 20/40 sand:500 gal. acid: 574 Bbls. fluid.  
 Riley: Perforations: 4585-86 ( 4 holes) 4587-88 ( 4 holes) 4604-06 ( 3 holes)4614-16(8 holes)  
 Fracturing: 430 sks. 20/ 40 sand:500 gal. acid: 510 Bbls. fluid: Foam frac.

BOTTOM HOLE PRESSURE Pf=Pwe<sup>XGLS</sup>

$$t=60+(5414 \times 0.0075)+459.7=560.3 \quad X=53.34T =53.34(560.3)=29886 =0.0000334 \quad Pf=(1600)(2.72)$$

$$(0.0000334)(.661)(4942)(0.9) \quad Pf=(1600)(2.72)(0.0982) = (1600)(1.10)$$

Pf=1760 psi

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all free and salt water, coal, oil and gas
Top Soil			0	8	
Sand & sandy shale			8	215	1/2" stream @ 681'
Sand, sandy shale & red rock			215	620	
Sand & sandy shale			620	995	1" stream @ 1565
Sandy shale & sand			995	1225	
Sand & sandy shale			1225	1375	1" stream @ 2227
Sandy shale & sand			1375	1860	
Sand & Sandy shale			1860	1925	Gas ck @ 3501 0-20/10-1" w/water
Little lime			1925	1950	40.83 cu.ft.
Sandy shale			1950	1960	
Big Lime			1960	2030	Gas ck @ 5078 6/10-2" w/water
Sand & sandy shale			2030	2325	103,000 cu.ft.
Sand & sandy shale			2325	3485	
Sandy shale			3485	4585	Gas ck @ collars 10/10-2" w/water
Riley			4585	4616	133,000 cu.ft.
Sandy shale			4616	4985	
Benson			4985	4986	
Sandy shale			4986	5283	
Alexander			5283	5299	
Sandy shale			5299	5976	
					T.D.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By: Daniel F. Stark

05/03/2024

Date: 12/9/85

Daniel F. Stark - Asst/Geologist

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including sand, encountered in the drilling of a well."