

7/85



1) Date: August 19, 19 85
 2) Operator's Well No. ~~JXXXXXX~~ JK-1186
 3) API Well No. 47 -017-3468
 State _____ County _____ Permit _____

RECEIVED
AUG 23 1985

STATE OF WEST VIRGINIA

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1140' Watershed: Yeager Run
 District: Central / County: Doddridge Quadrangle: Pennsboro 7.5' 38
- 6) WELL OPERATOR J & J Enterprises, CMC: 24150 7) DESIGNATED AGENT Richard Reddecliff
 Address P.O. Box 48 Address P.O. Box 48
Buckahnon, WV 26201 Buckahnon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Mike Underwood Name S.W. Jack Drilling Co.
 Address Rt. 2 Box 114 Address P.O. Box 48
Salem, WV 26426 Buckahnon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 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, 115' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes _____ / No X /
- 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		
Conductor	11 3/4	H-40	42	X		30'	0'	0 Sacks	Kinds
Fresh water	8 5/8	ERW	23	X		1740'	1740'	To Surface	
Coal	8 5/8	ERW	23	X		1740'	1740'	To Surface	Sizes
Intermediate									
Production Tubing	4 1/2	J-55	10.5	X		5995'	5995'	300 Sacks	Depths set
Liners								or as required by rule 15-01	Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-017-3468

September 11 19 85
 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 September 11, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: _____	Agent: <u>ALB</u>	Plat: <u>Quti</u>	Casing: <u>Quti</u>	Fee: <u>2062</u>	WPCP: <u>Quti</u>	S&E: <u>Quti</u>	Other: _____
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NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
 Director, Division of Oil and Gas

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

11/10/2023 File

OFFICE USE ONLY

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

1) APPROXIMATE CLOSURE DATE: _____
 2) APPROXIMATE DATE OF COMPLETION: _____
 3) APPROXIMATE DATE OF START: _____
 4) APPROXIMATE DATE OF RESUMPTION: _____
 5) APPROXIMATE DATE OF CLOSURE: _____
 6) APPROXIMATE DATE OF RE-ENTRY: _____
 7) APPROXIMATE DATE OF RE-ENTRY: _____
 8) APPROXIMATE DATE OF RE-ENTRY: _____
 9) APPROXIMATE DATE OF RE-ENTRY: _____
 10) APPROXIMATE DATE OF RE-ENTRY: _____
 11) APPROXIMATE DATE OF RE-ENTRY: _____
 12) APPROXIMATE DATE OF RE-ENTRY: _____
 13) APPROXIMATE DATE OF RE-ENTRY: _____
 14) APPROXIMATE DATE OF RE-ENTRY: _____
 15) APPROXIMATE DATE OF RE-ENTRY: _____

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____
 Reason: _____

1) Date: August 19, 1985
 Operator's
 2) Well No. JK-1186
 3) API Well No. 47 - 017 - 3468
 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 Address N/A
 (i) Name Robert E. Rasey
 Address 560 Channing Ave
 Polo Alto, California 94301
 5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
 Name N/A

(ii) Name _____
 Address _____
 (iii) Name _____
 Address _____

P 682 431 567
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to	Robert E. Rasey
Street and No.	560 Channing Ave.
P.O., State and ZIP Code	Polo Alto, Cal. 94301
Postage	\$ 90
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	70
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 2.35
Postmark or Date	GREENVILLE WV AUG 20 1985

DECLARATION ON RECORD:
 N/A

Following documents:

at the parties
 its location
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ING THE APPLICATION
 THE APPLICATION
 N AT ALL.

signed well op-
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 hed Form WW-6.
 Reclamation Plan
 e person(s) named
 mailing or delivery

DEPARTMENT OF OIL & GAS
 DIVISION OF ENERGY
 AUG 23 1985

RECEIVED
 AUG 23 1985

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 WW-2(B) DESIGNAT

Take notice
 erator proposes
 for a Well Work
 well at the loca
 Copies of this
 have been mailed
 above (or by pu
 to the Director

6) EXTRACTION
 Check and p
 Include
 hold
 The req

7) ROYALTY PRO
 Is the righ
 or other co
 for compensation to the owner of the oil or gas
 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 Reddecliff
 his 19 day of August, 1985,
 My commission expires 12/7, 1992.
 Gregory A. Smith
 Notary Public, Gilmer County,
 State of West Virginia

WELL OPERATOR J & J Enterprises, Inc.
 By Richard M. Reddecliff
 Its Designated Agent
 Address P.O. Box 48
 Buckhannon WV 26201
 Telephone 472-9403

11/10/2023

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, iv) 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.

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:

Grantor, lessor, etc.

Grantee, lessee, etc.

Royalty

Book page

see attached sheet

11/10/2023



WW-9

DATE April 26, 1985

WELL NO. JK-1186

API NO. 47-017-3468

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AUG 23 1985

State of West Virginia
Department of Energy
Oil and Gas Division

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
Address P.O. BOX 48, BUCKHANNON, WV 26201 Address P.O. BOX 48, BUCKHANNON, WV 26201
Telephone 472 - 9403 Telephone 472 - 9403
LANDOWNER Robert E. Rasey et. ux. SOIL CONS. DISTRICT West Fork
Revegetation to be carried out by J & J ENTERPRISES, INC. (Agent)

This plan has been reviewed by West Fork SCD. All corrections
and additions become a part of this plan: 5/15/85
(Data)
Kenneth E. Knight ON SITE REVIEW
(SCD Agent) 5/10/85

ACCESS ROAD	LOCATION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>along inside road 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>accord. to O&G Manual (at natural drains)</u> <u>one 16" with riprapped outlet</u>	Material <u>Logs &/or Brush &/or Stone</u>
Page Ref. Manual <u>2-1</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Cross Relief Drains</u> (C)	Structure _____ (3)
Spacing <u>as per table 1 in manual (2-4)</u> <u>with riprapped outlet</u>	Material _____
Page Ref. Manual <u>2-1</u>	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	Treatment Area II
*Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u>	*Lime <u>3</u> Tons/acre or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)
Mulch Hay <u>2</u> Tons/acre	Mulch Hay <u>3</u> Tons/acre
Seed* <u>Orchardgrass</u> <u>10</u> lbs/acre	Seed* <u>Orchardgrass</u> <u>10</u> lbs/acre
<u>Red clover</u> <u>12</u> lbs/acre	<u>Red clover</u> <u>12</u> lbs/acre
<u>Alsike clover</u> <u>4</u> lbs/acre	<u>Alsike clover</u> <u>4</u> lbs/acre



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

*Lime according to pH test. PLAN PREPARED BY Smith Land Surveying Co. 11/10/2023

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

ADDRESS 111 South Street
Glenville, WV 26351
PHONE NO. 462 - 5634

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

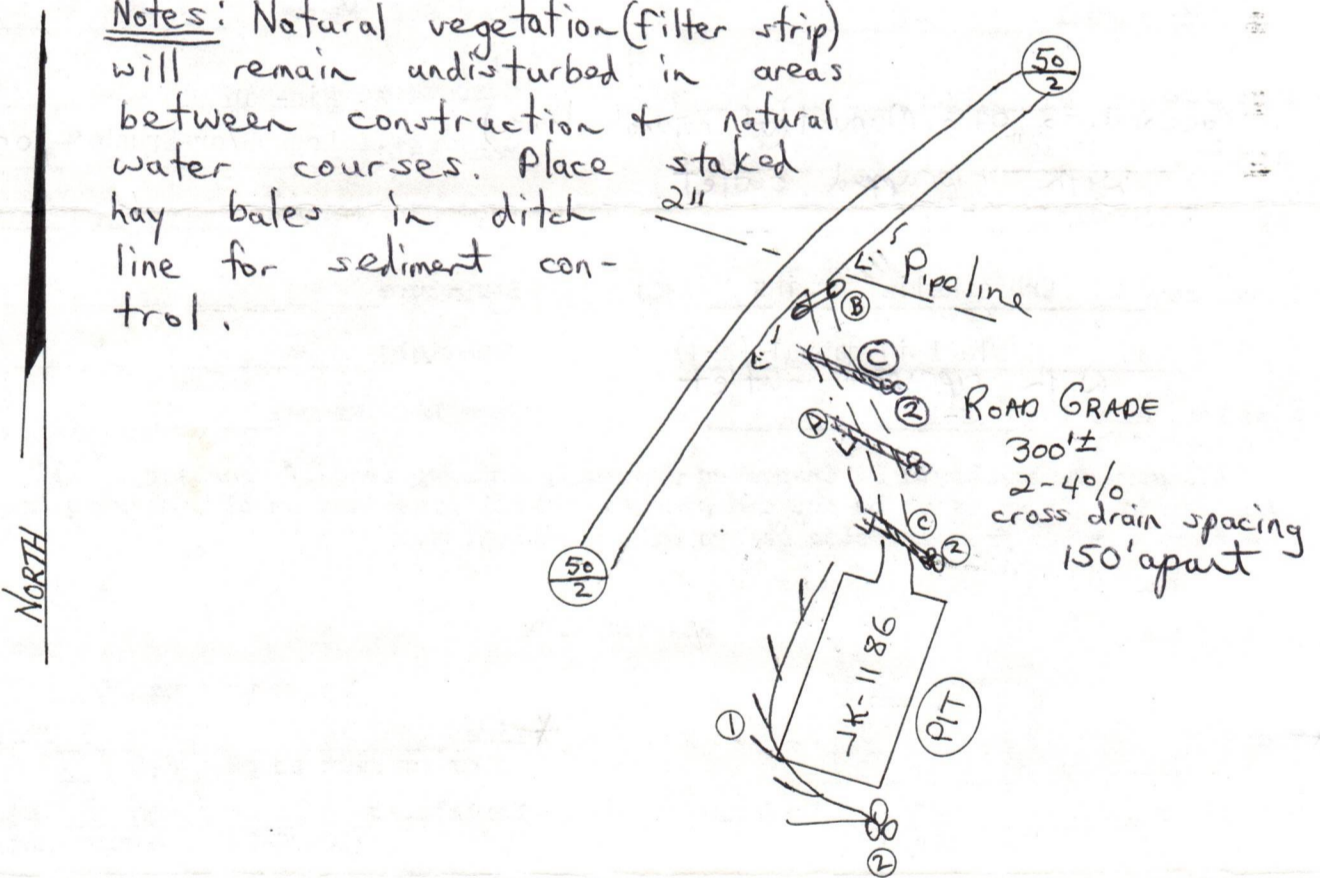
LEGEND
WELL SITE  ACCESS ROAD 



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.

Notes: Natural vegetation (filter strip) will remain undisturbed in areas between construction & natural water courses. Place staked hay bales in ditch line for sediment control.


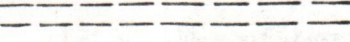
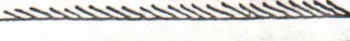







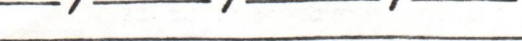



Drilling pit may vary in location other than that shown on this plan and/or other pits may be added due to soil type, newly discovered water systems, and the encounter of rock when building location.

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

11/10/2023

- DRAIN PIPE 
- ROAD 
- DIVERSION 
- WATERWAY 
- STREAM 
- OPEN DITCH 

- PROPERTY BOUNDARY 
- EXISTING FENCE 
- PLANNED FENCE 
- BUILDING 
- WET SPOT 
- SPRING 

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

WAIVER

RECEIVED
SEP 6 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

I, Robert E. Rasey et ux landowner, have no objections to the disposal of the Pit Waste Water on my property for Well #JK1186.

SIGNED Robert E. Rasey

SIGNED Geraldine M. Rasey

DATE 9/3/85

WAIVER

RECEIVED
AUG 23 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

I, Ralph Ash
Randall Ash
Ronald Ash landowner, have no objections to the disposal of the Pit Waste Water on my property for Well # JK-1211.

SIGNED Ralph Ash

SIGNED Randall Ash
Ronald Ash

DATE 8-19-85

[Handwritten initials]

U.S. DEPARTMENT OF JUSTICE
DIVISION OF INVESTIGATION
AUG 23 1962

W/118

DIVISION OF INVESTIGATION
DEPARTMENT OF JUSTICE

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SEARCHED _____
SERIALIZED _____
INDEXED _____
FILED _____
AUG 23 1962
FBI - [illegible]

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>
Robert Rasey		1/2	
Clyde Doak, Jr.		1/6	
Carl Doak		1/9	
Marshall Doak		1/9	
Opal Hodge	C.E. Young & L.C. Young	1/9	69/347
C.E. Young & L.C. Young	to W. Leslie Rogers		90/135
W. Leslie Rogers	to J & J Enterprises, Inc.		139/570

RECEIVED
 SEP 6 1985



1) Date: August 19, 19 85
 2) Operator's Well No. JHX1125v JK-1186
 3) API Well No. 47 State _____ County _____ Permit _____

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

APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil _____ / Gas X /
 B (If "Gas", Production X / Underground storage _____ / Deep _____ / Shallow X /)
- 5) LOCATION: Elevation: 1140' Watershed: Yeager Run
 District: Central County: Doddridge Quadrangle: Pennsboro 7.5'
- 6) WELL OPERATOR J & J Enterprises, Inc. CODE: 24150 7) DESIGNATED AGENT Richard Reddecliff
 Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Mike Underwood Name S.W. Jack Drilling Co.
 Address Rt. 2 Box 114 Address P.O. Box 48
Salem, WV 26426 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper _____ / Redrill _____ / Stimulate X /
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
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CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
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Coal	5/8	ERW	23	X		1740'	1740'	To Surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		5995'	5995'	300 Sacks	Depths set
Tubing								or as required by rule 15-01	
Liners									Perforations:
									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.

VOLUNTARY STATEMENT OF NO OBJECTION

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: _____

X Robert E. Rasey
 (Signature) Date 9/3/85

By _____

Geraldine M. Rasey
 (Signature) 11/10/2023

Its _____ Date _____

Date 9-3-85

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.

11/10/2023

RECEIVED
AUG 23 1985

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

1. Company Name J & J ENTERPRISES, INC.
2. Mailing Address P. O. BOX 48, BUCKHANNON, WV 26201
street city state zip
3. Telephone 472-9403
4. Well Name Doak Lease JK-1186
5. Latitude 39-17-30 Longitude 80-52-30
6. NPDES # WV0073343
7. Dept. Oil & Gas Permit NO. 47-017-3468
8. County Doddridge
9. Nearest Town Greenwood
10. Nearest Stream Yeager Run
11. Tributary of Dotson Run
12. Will Discharge be Contracted Out? yes no
13. If Yes, Proposed Contractor PKC
Address 44 Baltimore Street, Westover, WV 26505
Telephone 304-291-5960
14. Proposed Disposal Method: UIC _____ Land application
Off Site Disposal _____ Reuse _____ Centralized Treatment _____
Thermal Evaporation _____ Other _____
15. 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 create new, or enlarge existing, rights of riparian owners or others. Neither does anything in the general permit create new, or enlarge existing, obligations or duties of an operator pursuant to the requirements 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 findings of fact inuring to or for the benefit of persons other than the State of West Virginia.

11/10/2023

389 88 004

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 A. Summers DATE _____

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.

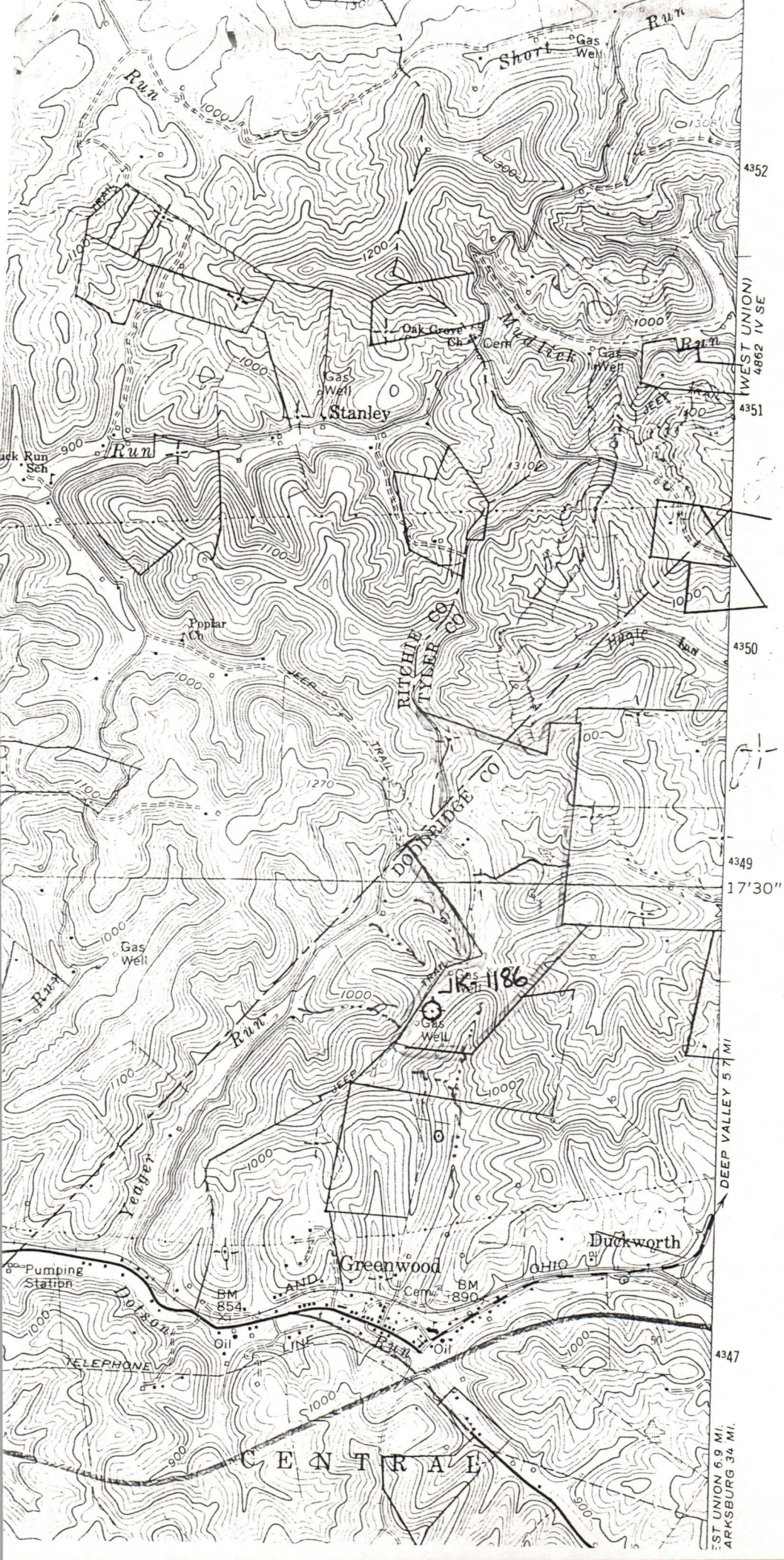
LANDOWNER ADMINISTRATIVE REVIEW RIGHTS

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.

11/10/2023



11/10/2023



IV-35
(Rev 8-81)

Date October 15, 1985
Operator's Well No. JKS-1186
Farm Rasey
API No. 47 - 017 - 3468

RECEIVED
OCT 17 1985

State of West Virginia
Department of Mines
Oil and Gas Division

DIVISION OF OIL & GAS
DEPT. OF ENERGY

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1140 Watershed Yeager Run
District: Central County Doddridge Quadrangle Pennsboro 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 Robert Rasey

ADDRESS 1033 Yorktown Dr., Sunnyvale, CA 94087

MINERAL RIGHTS OWNER Same as surface

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Mike
Underwood ADDRESS Rt. # 2, Box 114
Salem, WV 26426

PERMIT ISSUED 9/11/85

DRILLING COMMENCED 9/23/85

DRILLING COMPLETED 9/29/85

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	210.95	210.95	100 sks.
9 5/8			
8 5/8	1724	1724	125 sks.
7			
5 1/2			
4 1/2	5396.35	5396.35	275 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Rhine St. Depth feet

Depth of completed well 5524 feet Rotary x / Cable Tools

Water strata depth: Fresh 1520 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 5272-86 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d

Combined Final open flow 1,008 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1425 psig (surface measurement) after 96 hours shut in
(If applicable due to multiple completion--)

Second producing formation Benson & Rely Pay zone depth 4589-4602 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)

DODDRIDGE
3468

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

Riley: Perforations: 4589-93 (8 holes) 4600-02(8 holes)
Fracturing: 400 sks. 20/40 sand: 500 gal. acid: 468 Bbls. fluid.

Benson: Perforations: 4984-86 (8 holes)
Fracturing: 350 sks. 20/40 sand: 500 gal. acid: 434 Bbls. fluid.

BOTTOM HOLE PRESSURE $P_f = P_{we}^{XGLS}$

$$t=60+(0.0075 \times 5396) + 459.7=560 \quad X=53.35 \times 560 = 29876 \quad = \frac{1}{29876} = 0.000033 \quad P_f=1425 \times 2.72^{(0.000033)}$$

$$(0.661)(4788)(0.9) = 1425 \times 2.72^{0.9} = 1425 \times 1.09$$

Pf=1553 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 & Clay			0	10	
White sand			10	60	Damp @ 1520'
Red rock, sand & shale			60	95	
Sand, shale & white sand			95	130	Gas ck @ 2143 90/10-1" w/water
Red rock, sand & shale			130	655	99.99 cu.ft.
Sand & shale			655	900	
Red rock, sand & shale			900	1399	Gas ck @ 2546 36/10-1" w/water
Red rock & shale			1399	1510	63.23 cu.ft.
Sand			1510	1515	
Sand & shale			1515	1780	Gas ck @ 3509 10/10-1" w/water
Shale & sand			1780	1990	33.33 cu.ft.
Big Lime			1990	2060	
Big Injun			2060	2130	Gas ck @ 4658 30/10-1" w/water
Shale & sand			2130	2220	140,000 cu.ft.
Sand & shale			2220	2330	
Sand & shale			2330	4589	Gas ck @ 5000 20/10-1" w/water
Riley			4589	4602	114,000 cu.ft.
Sand & shale			4602	4984	
Benson			4984	4986	Gas ck @ 5338 16/10-1" w/water
Sand & shale			4986	5524	102,000 cu.ft.
				T.D.	

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By:

Date: 10/15/85

11/10/2023

Robert Dahlin - 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 coal, encountered in the drilling of a well."

INSPECTOR'S PERMIT SUMMARY FORM

9-11-85

WELL TYPE Shallow - GAS
ELEVATION 1140'
DISTRICT Central
QUADRANGLE Pennsylv
COUNTY DeWitt

API# 47-017-3468-
OPERATOR JSS
TELEPHONE _____
FARM Robert Ramsey
WELL # JK-1186

RECEIVED
DEPARTMENT OF
OIL AND GAS

JUN 3 1986

SURFACE OWNER _____ COMMENTS _____ TELEPHONE _____
TARGET FORMATION _____ DATE APPLICATION RECEIVED _____
DATE STARTED _____
LOCATION 9-16-85 NOTIFIED yes DRILLING COMMENCED 9-23-85

WATER DEPTHS _____, _____, _____, _____
COAL DEPTHS 1510'-60", _____, _____

CASING

Ran 210 feet of 11 3/4 "pipe on 9-24-85 with 100-5 fill up H. B.
Ran 1739' feet of 8 5/8 "pipe on 9-25-85 with 125-5 fill up H. B.
Ran 5396' feet of 4 1/2 "pipe on _____ with 275-5 fill up H. B.
Ran _____ feet of _____ "pipe on _____ with _____ fill up _____
TD 5524' feet on 9-30-85

PLUGGING

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____
Field analysis ph _____ fe _____ cl _____
Well Record received _____

Date Released 5-29-85

[Signature] 11/10/2023
Inspector's signature

X

API# 47 017 - 3454.

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1	9-16-85			Called-in - Started Location -
2	9-20-85			Talked to Dan Stark + have to
3				Run 200' plus of 11 ³ / ₄ -
4	9-23-85	7:00 Shift		Moved on R.J -
5	9-24-85	7:00 A.M		Visit R.J for Surface Job
6	9-27-85			Visit R.J - 2515' Dist J.
7	9-30-85			T.O. Report
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes

O.K To BRL

<p>1.0 API well number: (If not available, leave blank. 14 digits.)</p>	<p>47-017-3468</p>			
<p>2.0 Type of determination being sought (Use the codes found on the front of this form.)</p>	<p>103 Section of NGPA</p>	<p>N/A Category Code</p>		
<p>3.0 Depth of the deepest completion location (Only one of sections 103 or 107 in 2.0 above.)</p>	<p>5286 feet</p>			
<p>4.0 Name, address and code number of applicant (35 letters per line maximum. If code number not available, leave blank.)</p>	<p>J & J Enterprises, Inc. P.O. Box 697</p>		<p>009480 Section Code</p>	
	<p>Street Indiana Pa. 15701</p>			
	<p>City State Zip Code</p>			
<p>5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)</p>	<p>Central Field Name Doddridge WV County State</p>			
<p>(b) For OCS wells:</p>	<p>N/A Area Name</p>		<p>Block Number</p>	
	<p>Date of Lease: Mo. Day Yr.</p>			
<p>(c) Name and identification number of this well (35 letters and digits maximum.)</p>	<p>JKS-1186</p>			
<p>(d) If code 4 or 5 in 2.0 above, name of the operator (35 letters maximum.)</p>	<p>N/A</p>			
<p>6.0 (a) Name and code number of the purchaser (35 letters and digits maximum. If code number not available, leave blank.)</p>	<p>Purchaser not yet designated</p>			
<p>(b) Date of the contract.</p>	<p>Mo. Day Yr.</p>			
<p>(c) Estimated annual production:</p>	<p>MMbbl</p>			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
<p>7.0 Commodity Price (For oil listing state Commodity Code) (Specify prices.)</p>	<p>3.565</p>	<p>.278</p>	<p>---</p>	<p>3.843</p>
<p>8.0 Investment Level (For oil listing state Commodity Code) (Specify prices.)</p>	<p>3.565</p>	<p>.278</p>	<p>---</p>	<p>3.843</p>
<p>9.0 Person responsible for this application</p>	<p>Richard J. Kline Secretary</p>			
<p>Name</p>	<p><i>Richard J. Kline</i></p>			
<p>Title</p>	<p>Secretary</p>			
<p>Date Application is Completed</p>	<p>10-17-85 (412) 349-6800</p>			
<p>File Number</p>	<p>---</p>			

Agency Use Only

Date this form was filed: **OCT 18 1985**

Date this application was filed:

DEPARTMENT OF MINES, OIL AND GAS DIVISION

NOV 15 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Oct 17, 1985

24150

AGENCY USE ONLY

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

WELL DETERMINATION FILE NUMBER

Address: P.O. Box 697

851018-1030-017-3468

Indiana, PA. 15701

Use Above File Number on all
Communications Relating to This Well

Gas Purchaser Contract No. _____

Date of Contract _____
(Month, day and year)

P629

First Purchaser: Purchaser not yet designated

Designated Agent: Richard Reddecliff

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

Signature: *Vicki Vanderberg* (Print) (Title)

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

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

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 102 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

- 103 New Onshore Production Well
- X 103 New Onshore Production Well

- 107 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

RECEIVED
OCT 18 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

QUALIFIED 11/10/2023

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

Date Oct 17, 1985

Operator's Well No. JKS-1186

API Well No. 47 - 017 - 3468
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 1140
Watershed Yeager Run
Dist. Central County Adair Quad Pennsboro

GAS PURCHASER Purchaser not yet designated
ADDRESS _____

Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling was begun: Sept. 23, 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 with a spring gauge.

BOTTOM HOLE PRESSURE $P_f = P_{we} \times GLS$
 $t = 60 + (0.0075 \times 5396) + 459.7 = 560$ $X = 53.35 \times 560 = 29876$ $= 0.000033$ $P_f = 1425 \times 2.72^{(0.000033)}$
 $(0.661) (4788) (0.9) = 1425 \times 2.72^{0.9} = 1425 \times 1.09$
Pf=1553 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
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 17 day of Oct, 1985, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 17 day of Oct, 1985
My ~~XXXXXX~~ Commission expires on the 23 day of January, 1988
Commission

[NOTARIAL SEAL]

Vicki Vanderberg
Notary Public 11/10/2023

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

RECEIVED
NOV 12 1985
DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

1.0 API well number: (If not available, leave blank. 11 digits.)	47-017-3468			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	107 Section of NCPA	n/a Category Code		
3.0 Depth of the deepest formation location. (Only show last portions 103 or 107 in 2.0 above.)	5286 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. P.O. Box 697 Indiana Pa. 15701 City State Zip Code		009480 Sales Code	
5.0 Location of this well. (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Central Area Name Doddridge WV County State			
(b) For OCS wells:	N/A Area Name		Block Number	
(c) Name and identification number of this well. (35 letters and digits maximum.)	JKS-1186			
(d) If code 4 or 5 in 2.0 above, name of the reservoir. (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 Name Sales 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 in 3 decimal places.)	6.094	278		6.372
8.0 Maximum lease rate (As of filing date. Complete in 3 decimal places.)	6.094	278		6.372
9.0 Person responsible for this application	J. H. McElwain Name James H. McElwain Title Exec. V. President			
Agency Use Only Date filed with the Joint Agency NOV 12 1985 Checked by: _____	11-5-85 Date application is completed		(412) 349-6800 File Number	

11/10/2023

NOV 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

AGENCY USE ONLY

Date: Oct 5, 1985 24150

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

Address: P.O. Box 697
Indiana, PA. 15701

Gas Purchaser Contract No. _____

Date of Contract _____
(Month, day and year)

First Purchaser: 629
Purchaser not yet designated

Address: _____
(Street or P.O. Box)

(City) (State) (Zip Code)

FERC Seller Code 009480

WELL DETERMINATION FILE NUMBER
851112 -1073-017-3468
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Richard Reddick-Liff

Address: P.O. Box 48
Buckhannon, WA 26201

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

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

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

AGENCY USE ONLY

QUALIFIED
11/10/2023

RECEIVED
NOV 12 1985

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

Date Received

Determination Date

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 Reddecliffe

Type Determination being sought - 107 (Devonian Shale)

API Well No.: 47-017-3468 Well Name: Williamson (JKS-1186)

West Virginia Office of Oil and Gas County: Doddridge
 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 = 145 * API Units
2. Remarks:

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

1. GR Value = 101.5 * API Units
2. Calculation: $0.7 \text{ (GR Value at Base Line)}$
 $0.7 \text{ (145 *)} = \underline{101.5}$ 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***		
2520'	5526'	3006'	96.5'

Total Devonian Interval 3006'

Total Less Than 0.7 (Shale Base) 96.5'

% Less Than 0.7 (Shale Base Line) = $\frac{0.0321}{100} \times 100 = \underline{3.21} \%$ 11/10/2023

*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.

Date Nov. 5, 1985

Operator's Well No. JKS-1184

API Well No.

47 - 017 - 3468
State County Permit

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

DESIGNATED AGENT James R. Willett

ADDRESS PO Box 48
Buckhannon, West Virginia 26201

LOCATION Elevation 1140

Watershed Yeager Run

Dist. Central County Doddridge Quad. Pennsboro

Gas Purchase Contract No. _____

Meter Chart Code _____

Date of Contract _____

WELL OPERATOR J & J Enterprises, Inc.

ADDRESS PO Box 697
Indiana, PA 15701

GAS PURCHASER Purchaser not

ADDRESS yet designated

* * * * *

Date surface drilling began: September 23, 1985

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

BOTTOM HOLE PRESSURE $P_f = P_{we}^{XGLS}$
 $t = 60 + (0.0075 \times 5396) + 459.7 = 560$ $x = 53.35 \times 560 = 29876$ $= 0.000033$ $P_f = 1425 \times 2.72^{(0.000033)}$
 $(0.661)(4788)(0.9) = 1425 \times 2.72^{0.9} = 1425 \times 1.09$
Pf=1553 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)(i) or (3)(ii)(A) has been filed, or as indicated by the report described in subparagraph (3)(ii)(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

Executive Vice President

STATE OF ~~WEST VIRGINIA~~ Pennsylvania

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 5th day of Nov, 1985, has acknowledged the same before me, in my county aforesaid.

11/10/2023

Given under my hand and official seal this 5th day of Nov, 1985.

My term of office expires on the 23 day of Jan, 1988.

(NOTARIAL SEAL)

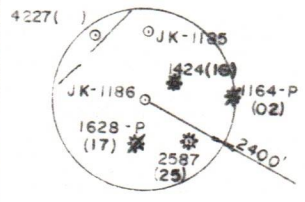
Notary Public
VICKI L. VANDERBERG, NOTARY PUBLIC
INDIANA BOROUGH, INDIANA COUNTY
MY COMMISSION EXPIRES JAN. 23, 1988

DO AK
LEASE

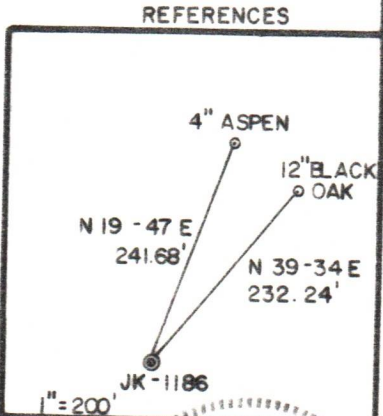
WELL NO.
JK-1186

176
ACRES ±

NORTH

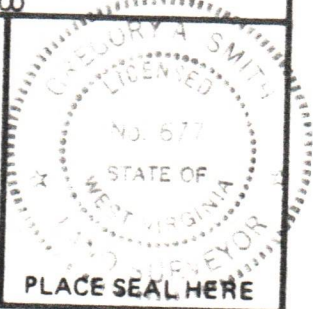


SMITH LAND SURVEYING



FILE NO. 18-4
 DRAWING NO. M.P.
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV.=1175'

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.
 (SIGNED) Gregory A. Smith
 R.P.E. _____ L.L.S. 677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

DATE FEBRUARY 28, 19 85
 OPERATOR'S WELL NO. JK-1186
 API WELL NO. 47-017-3468
 STATE WEST VIRGINIA COUNTY DODDRIDGE PERMIT 176

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1140' WATER SHED YEAGER RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE
 QUADRANGLE PENNSBORO 7.5'
 SURFACE OWNER ROBERT E RASEY, et. ux. ACREAGE 75.13
 OIL & GAS ROYALTY OWNER ROBERT E. RASEY, et. al LEASE ACREAGE 176
 LEASE NO. JK-355
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION RHINE STREET ESTIMATED DEPTH 5995'
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. BOX 48 ADDRESS P.O. BOX 48
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

11/10/2023