



1) Date: March 22, 19 84
 2) Operator's Well No. J-917
 3) API Well No. 47 - 001 - 2040
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
 5) LOCATION: Elevation: 1780 Watershed: Teter Mill Run
 District: Cove County: Barbour Quadrangle: Nestorville
 6) WELL OPERATOR J&J Enterprises, Inc. 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 Phillip Tracy Name S.W. Jack Drilling Company
 Address Forest Festival Terrace Apt 24 Address P.O. Box 48
Elkins, WV 26241 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, Fox
 12) Estimated depth of completed well, 5600 feet
 13) Approximate trata depths: Fresh, 25 feet; salt, 0 feet.
 14) Approximate coal seam depths: 234 Is coal being mined in the area? Yes

RECEIVED
 MAR 21 1984
 OIL & GAS DIVISION
 No. _____
 DEPT. OF MINES

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		30	0	0 sks. Kinds
Fresh water	8 5/8	ERW	23	x		1000	1000	To surface NEAT
Coal	8 5/8	ERW	23	x		1000	1000	To surface Sizes
Intermediate								
Production	4 1/2	J-55	10.5	x		5550	5550	450 sks. Depths set
Tubing								<i>or as req. by rule 15.0</i>
Liners								Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2040 Date May 2, 19 84

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 May 2, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing <u>[Signature]</u>	Fee <u>1489</u>
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[Signature]
 Administrator, Office of Oil and Gas



OFFICE USE ONLY

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

1) WELL OPERATOR: W. W. JACK DRILLING COMPANY
 Address: P.O. Box 43, F.O. Box 43, Beckley, WV 26201

2) DRILLING CONTRACTOR: W. W. JACK DRILLING COMPANY
 Name: W. W. JACK
 Address: P.O. Box 43, F.O. Box 43, Beckley, WV 26201

3) DESIGNATED AGENT: W. W. JACK DRILLING COMPANY
 Address: P.O. Box 43, F.O. Box 43, Beckley, WV 26201

4) LOCATION: Beckley, WV
 District: Beckley
 County: Beckley
 Elevation: 1700
 Wellhead: Top of Well
 Production: None
 B (Oil/Gas): None
 Depth: Shallow

OFFICE USE ONLY

This part of Form IV-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: _____

1) Date: March 22, 1984
 2) Operator's Well No. J- 917
 3) API Well No. 47 - 001 - 2040
 State County Perme

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS
 NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name Arthur Marsh
 Address Rt. # 2, Box 662
Philippi, WV 26416
 (ii) Name _____
 Address _____
 (iii) Name _____
 Address _____

5(i) COAL OPERATOR
 Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
 Name Sarah Mellon Scaife Foundation
 Address Chas. Nat'l Bank Trustee/P.O.Box 1113
C/O Richard Larry P.O.Box 268
Pittsburgh, Pa. 15230
 Name Eastern Associated Coal Corp.
 Address Barbara Hively
Koppers Building
Pittsburgh, Pa. 15219

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
 Name _____
 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 IV-2(B) (or Form IV-4 if the well is to be plugged, 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 IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-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.

RECEIVED
 MAR 24 1984

OIL & GAS DIVISION
 DEPT. OF MINES

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 (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 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 Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-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 Administrator.

6) DURATION 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 22-4-1-(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 IV-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

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

Richard Reddecliff,
 this 22 day of March, 1984.
 My commission expires 10/16, 1989.

Sinda S. Carfulid
 Notary Public, Upshur County,
 State of West Virginia

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 Office 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 § 22-4-1b(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 § 22-4-20.
- 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 § 22-4-1k 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-9a 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 §§ 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(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</u>	<u>Page</u>
Arthur W. & Velma R. Marsh	J&J Enterprises, Inc.	Allof1/8-100%	97	511



1) Date: March 22, 19 84
 2) Operator's Well No. J-917
 3) API Well No. 47 001
 State County Permit

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil Gas
 B (If "Gas", Production Underground storage Deep Shallow)
- 5) LOCATION: Elevation: 1780 Watershed: Peter Mill Run
 District: Cove County: Barbour Quadrangle: Nestorville
- 6) WELL OPERATOR J&J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddick
 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 Phillip Tracy Name S.W. Jack Drilling Company
 Address Forest Festival Terrace Apt 24 Address P.O. Box 48
Elkins, WV 26241 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, _____
- 12) Estimated depth of completed well, 5600 feet
- 13) Approximate strata depths: Fresh, 25 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 234 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	Left in well		
Conductor	13/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	5/8	ERW	23	x		1000	1000	To surface	
Coal	5/8	ERW	23	x		1000	1000	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5550	5550	450 sks.	Depths set
Tubing									
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 for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-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: _____
 By _____
 Its _____ Date _____

Arthur W. Marsh Date: 4-30-84
 (Signature)
Velma Rosalie Marsh Date: 4-30-84
 (Signature)

**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 22, Article 4 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 Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

NOTE: You are not required to file any comment at all.

Where to file comments and obtain additional information:

Administrator of the Office of Oil and Gas
West Virginia Department of Mines
1615 Washington Street East
Charleston, West Virginia 25311
(304) 348-2057

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an 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 under 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 Administrator'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 Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator 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 Administrator.

List of Water Testing Laboratories. The Administrator 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 Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF W. Va.
COUNTY OF Barbours :

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

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

--all with respect to operator's Well No. J-917 located in Cove District, Barbours County, West Virginia, upon the person or organization named--

Arthur W. Marsh and Velma Rosalie Marsh (his wife)

--by delivering the same in Barbours County, State of W. Va. on the 30 day of April, 1984 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

- 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 M. Somerville
(Signature of person executing service)

Taken, subscribed and sworn before me this 30th day of April, 1984
My commission expires October 16, 1989.

Gilda S. Casfield
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)



1) Date: March 22, 19 84
 2) Operator's Well No. J-917
 3) API Well No. 47 001
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

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 B (If "Gas", Production / Underground storage / Deep / Shallow /)
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- 6) WELL OPERATOR J&J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff
 Address P.O. Box 48 Address P.O. Box 48
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 Name Phillip Tracy Name S.W. Jack Drilling Company
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Elkins, WV 26241 Buckhannon, WV 26201
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 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
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- 15) CASING AND TUBING PROGRAM

RECEIVED
 MAR 27 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
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Intermediate									
Production	4 1/2	J-55	10.5	x		5550	5550	450 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of the filing of the Application.

WAIVER

The undersigned coal operator _____ / owner X / lessee _____ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: Mar 26, 19 84

By Michael D. Early Jr
 Its Manager at Properties

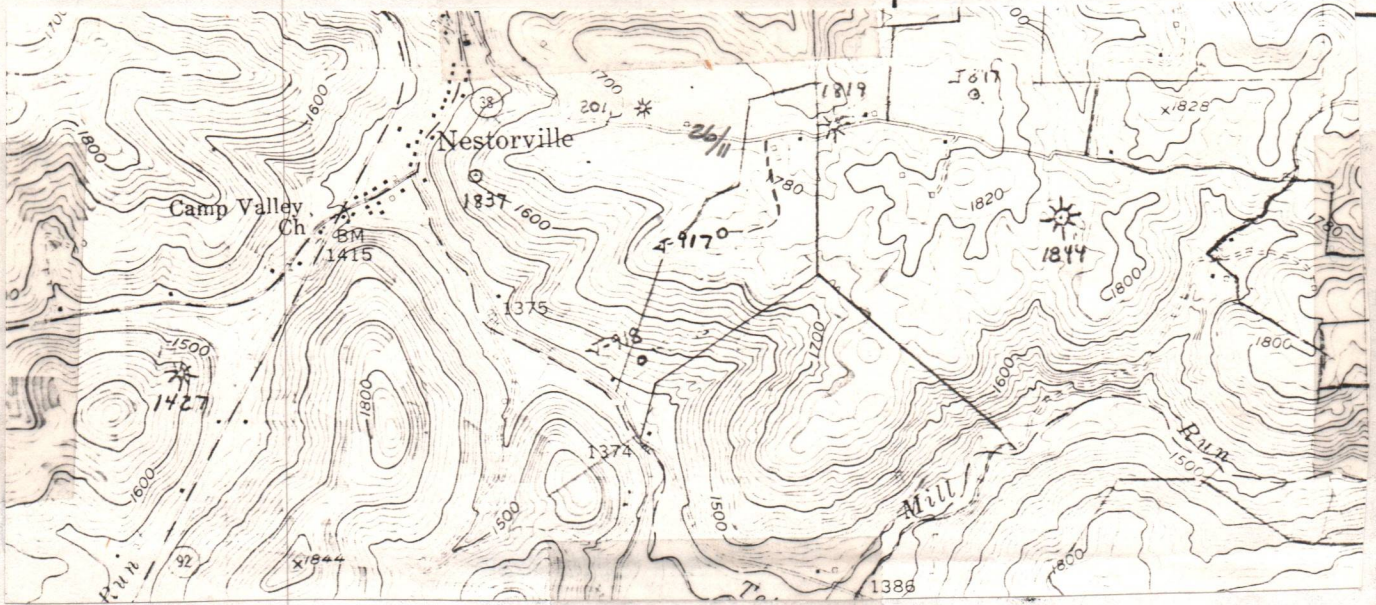
ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE NESTORVILLE 7.5'

LEGEND

Well Site ⊕

Access Road ———



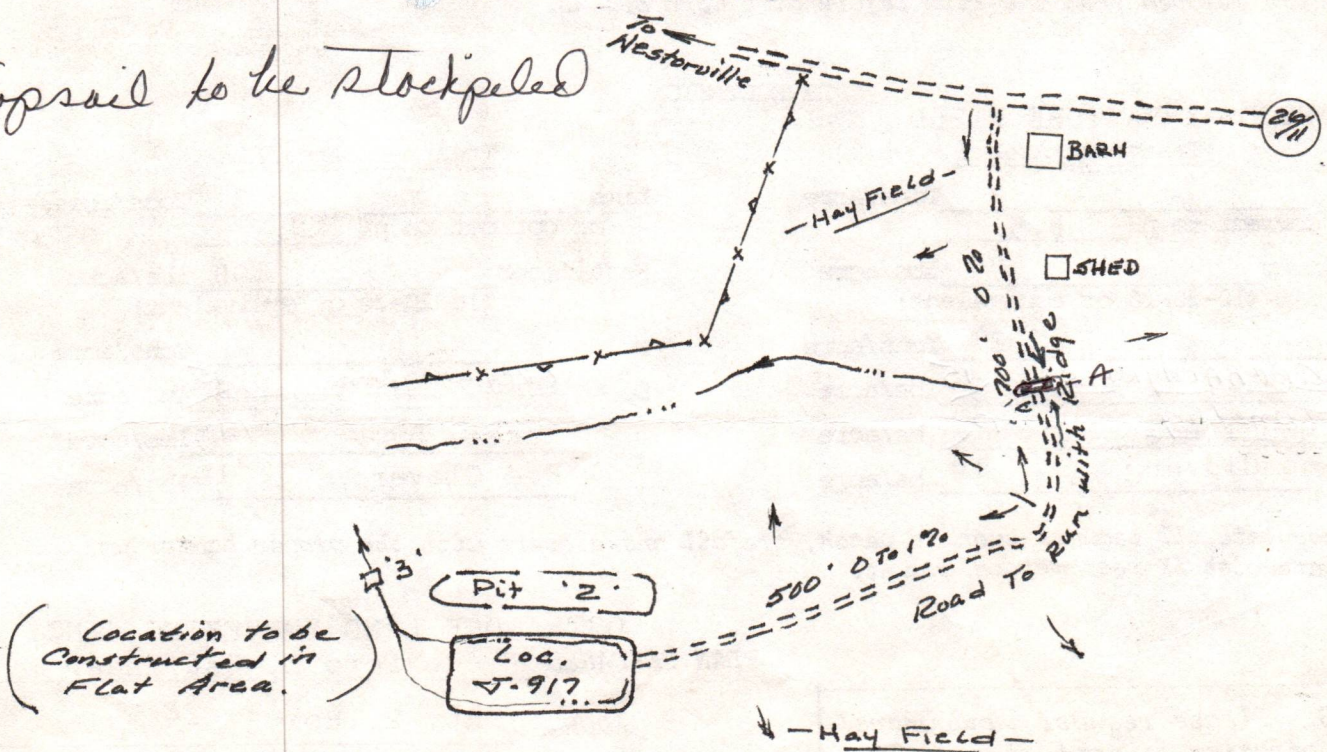
Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

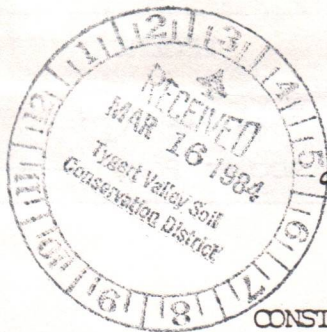
LEGEND

Property boundary ———▲———	Diversion ———/———
Road = = = = =	Spring ○→
Existing fence —X—X—	Wet spot ♀
Planned fence —/—/—	Building ■
Stream ~~~~~	Drain pipe —○→○→
Open ditch ———→———	Waterway <= = = =

- All cuts to be on a 2:1 slope unless in rock.
- Drainage to be maintained after completion of well and seeding to commence within 6 months after completion of well.

Topsail to be stockpiled





DATE 3 March, 1984
WELL NO. V-917
API NO. 47 - 001 - 2040

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J&J Enterprises, Inc.
Address PO Box 48
Buckhannon, WV 26201
Telephone 304-472-9404

DESIGNATED AGENT Richard Reddicliff
Address PO Box 48
Buckhannon, WV 26201
Telephone 304-472-9404

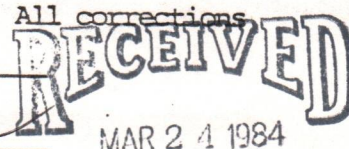
LANDOWNER Arthur Marsh Rt. 2 Box 662
Philippi, WV 26416

SOIL CONS. DISTRICT Tygart Valley

Revegetation to be carried out by J&J Enterprises, Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections
and additions become a part of this plan. 3/20/84
(Date)

Jean Freeman
(SCD Agent)



OIL & GAS DIVISION
DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure Culverts (A)
Spacing AS Shown and As Needed
(15" min. when leaving a state road.)
Page Ref. Manual 2-7

Structure Diversion Ditch (1)
Material Soil (2% max. slope)
Page Ref. Manual 2-12

Structure Drainage Ditch (B)
Spacing To be constructed along
the access road.
Page Ref. Manual 2-12

Structure Drilling Pit (2)
Material Soil
Page Ref. Manual -----

Structure Cross Drains (C)
Spacing 5%-135' 15%-60'
10%- 80' 20%-45'
Page Ref. Manual 2-4

Structure Sediment Trap (3)
Material Soil
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

WOODS & PASTURE FIELD
Treatment Area I

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch 2 Tons/acre
Seed* Orchardgrass 15 lbs/acre
Timothy 12.5 lbs/acre
Annual Rye 10 lbs/acre
Red Clover 10 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 2 Tons/acre
Seed* Orchardgrass 15 lbs/acre
Timothy 12.5 lbs/acre
Red Clover 10 lbs/acre

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

OSTRANDER LAND SURVEYING, INC.
PLAN PREPARED BY Rexford L. Ostrander

ADDRESS Rt. 2, Box 375-6
Buckhannon, WV 26201

PHONE NO. 304-472-0817

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

A-10
J. BLACKBURN WARE (1947)
PAUL B. WARE (1978)
JAMES H. WARE
MARK D. NIGH

WARE & NIGH
ATTORNEYS AT LAW
P. O. BOX 358
PHILIPPI, WEST VIRGINIA 26416

PHONES: 457-3661
HOME: 457-4097
457-2427

April 10, 1984

West Virginia Department of Mines
Oil and Gas Division
Charleston, WV 25301

RECEIVED
APR 13 1984
OIL & GAS DIVISION
DEPT. OF MINES

RE: Surface Owner: Arthur Marsh
Operator: J & J Enterprises, Inc.
Well No. J-917
API Well No. State 47, County 001
Location: Cove District of Barbour
County, West Virginia
Designated Agent: Richard Reddecliff
P.O. Box 48
Buckhannon, WV 26201

Gentlemen:

Mr. Arthur Marsh has contacted this office with regard to his receipt of an application for a well work permit, dated March 22, 1984.

Mr. Marsh has employed this office to represent his interest with regard to the location of this well.

Mr. Marsh does, in fact, object to the location of the proposed well because it was not located with his consent and participation, as more specifically set out in the leasehold documents.

The leasehold document, between Mr. Marsh and the original lessee, Beckler Energy, Inc., dated November 9, 1983, specifically provides as follows:

"(1) The lessee and lessor will mutually agree on all well(s), location(s), pipeline(s) and right of way(s)."

Please treat this letter as a formal objection on the part of the landowner, Arthur Marsh and Velma R. Marsh.

Your acknowledgement of the receipt of this letter would be most appreciated.

Respectfully,


James H. Ware

JHW/kw

cc: Mr. and Mrs. Arthur Marsh
J & J Enterprises

A-11
WEST VIRGINIA DEPARTMENT OF MINES

CHARLESTON, WEST VIRGINIA

INTER - OFFICE MEMORANDUM

TO- Phillip Tracy

DATE- April 13, 1984

FROM- Margaret Hasse

SUBJECT- J&J Enterprises, Inc.

Well Work Permit Application #J-917
Surface Owner Objection

See attached letter and Well Work Permit Application. Please investigate, and send report to my attention.

Thanks.

Margaret

copies to: James H. Ware, Attorney at Law

Mr. & Mrs. Arthur Marsh, surface owners

J & J Enterprises, Inc.

P 471 414 363
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse) 0-118 0-917

Sent to *Barth M Allen Scout Executive*
40 Mr Richard Harvey

Street and No.

P.O. Box 268

P.O., State and ZIP Code

Pittsburgh, PA 15330

Postage \$ 37

Certified Fee 75

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing to whom and Date Delivered .60

Return Receipt Showing to whom, Date, and Address of Delivery

TOTAL POSTAGE AND FEES \$ 112

Postmark of Date 09

J & J ENTERPRISES, INC
P.O. Box 48

BUCKHANNON WV 26209

262

A-12

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

Haverty: Perforations: 5369-70 (2 holes) 5377-78 (2 holes) 5384-86(5 holes) 5406-08(2 holes)
 5422-23 (3 holes) 5504-06 (3 holes)
 Fracturing: 105 sks. 80/100 sand: 600 Bbls. fluid.
 4th ELk: Perforations: 4228-30 (4 holes) 4862-63(3 holes) 5040-48 (10 holes)
 Fracturing: 400 sks. 20/40 sand: 500 gal. acid: 330 Bbls. fluid.
 1st. Elk: Perforations: 4355-61 (8 holes) 4377-81 (8 holes)
 Fracturing: 235 sks. 20/40 sand: 500 gal. acid: 380 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe XGLS

$$t=60 + (0.0075 \times 5510) + 459.7 = 561 \quad X = \frac{1}{53.35} \times 561 = \frac{1}{29931} = 0.000033 \quad Pf=1400 \times 2.72^{(0.000033)}$$

$$(0.65)(4889)(0.9) = 1400 \times 2.72^{0.9} = 1400 \times 1.09$$

Pf=1532 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 & sand			0	45	
Shale & red rock			45	130	1" stream @ 77'
Sand & shale			130	256	
Coal			256	260	1½" stream @ 305'
Sandy shale & sand			260	315	
Coal			315	318	2½" stream @ 1880
Sandy shale & sand			318	461	
Coal			461	465	Gas ck @ 2601 No show
Sandy shale & white sand			465	780	
Sandy shale, sand & red rock			780	1070	Gas ck @ 4118 No show
Sand, red rock & sandy shale			1070	1310	
Sand & Little Lime			1310	1480	Gas ck @ 4273 No show
Shale			1480	1495	
Big Lime			1495	1630	Gas ck @ 5478 No show
Sand & shale			1630	1805	
Sandy shale & sand			1805	3910	
Sand & sandy shale			3910	4355	
4th ELk			4228	4230	
Sand & sandy shale			4230	4355	
1st Elk			4355	4381	
Sand & sandy shale			4381	4862	
ELk			4862	5048	
Sand & sandy shale			5048	5369	
Haverty			5369	5423	
Sand & sandy shale			5423	5817	
					T.D.

(Attach separate sheets as necessary)

J & J Enterprises, Inc.

Well Operator

By: B. D. Dahi

Date: 7/17/84

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."

IV-35
(Rev 8-81)

RECEIVED

JUL 18 1984



State of West Virginia

OIL & GAS DIVISION
DEPT. OF MINES

Department of Mines
Oil and Gas Division

Date July 17, 1984
Operator's Well No. J-917
Farm A. Marsh
API No. 47 - 001 - 2040

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: 1780 Watershed Teter Mill Run
District: Cove County Barbour Quadrangle Nestorville

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 Arthur Marsh

ADDRESS Rt. # 2, Box 662, Philippi, WV 26416

MINERAL RIGHTS OWNER Same as surface

ADDRESS

OIL AND GAS INSPECTOR FOR THIS WORK Phillip

Tracy ADDRESS Forrest Festival Terrace Apt. 24, ELkins, WV 26241

PERMIT ISSUED 5/2/84

DRILLING COMMENCED 5/8/84

DRILLING COMPLETED 5/16/84

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"	31	0	0 sks.
9 5/8			
8 5/8	1933.15	1933.15	400 sks.
7			
5 1/2			
4 1/2	5509.60	5509.60	600 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fox Depth feet

Depth of completed well 5817 feet Rotary x / Cable Tools

Water strata depth: Fresh 77,305 feet; Salt 0 feet

Coal seam depths: 256-60, 315-18, 461-65 Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5369-5506 feet

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

Combined Final open flow 377 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1400 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Second producing formation Elks Pay zone depth 4355-81 4228-5048 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)

BAR 2040

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

RECEIVED
MAY 16 1934

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2040

Oil or Gas Well _____
(KIND)

Company J + J Enterprises
 Address _____
 Farm Arthur Muss
 Well No. J 917
 District Conne County Berhar
 Drilling commenced _____
 Drilling completed _____ Total depth 1980
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4	<u>193B</u>	<u>193B</u>	<u>440 Skant</u>
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

5-11-34
DATE

Phillip Long
DISTRICT WELL INSPECTOR

Form 20
2/16/82

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

RECEIVED
DISTRICT WELL INSPECTOR
OIL AND GAS DIVISION
STATE OF WEST VIRGINIA

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR

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

RECEIVED

MAY 23 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2040

Oil or Gas Well _____
(KIND)

Company J & J Enterprises
 Address _____
 Farm Maske
 Well No. J 917
 District Case County Barbour
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: J D well 5900

5-16-84
DATE

Phillip Lacy
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____ Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE I hereby certify I visited the above well on this date.

DISTRICT WELL INSPECTOR



RECEIVED
JUN 4 - 1985

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
August 16, 1984

COMPANY J & J Enterprises, Inc.
P. O. Box 48
Buckhannon, West Virginia 26201

PERMIT NO 001-2040 (5-02-84)
FARM & WELL NO Arthur Marsh #J-917
DIST. & COUNTY Cove/Barbour

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<u>C</u>	<u>_____</u>
25.04	Prepared before Drilling to Prevent Waste	<u>✓</u>	<u>_____</u>
25.03	High-Pressure Drilling	<u>✓</u>	<u>_____</u>
16.01	Required Permits at Wellsite	<u>✓</u>	<u>_____</u>
15.03	Adequate Fresh Water Casing	<u>✓</u>	<u>_____</u>
15.02	Adequate Coal Casing	<u>✓</u>	<u>_____</u>
15.01	Adequate Production Casing	<u>✓</u>	<u>_____</u>
15.04	Adequate Cement Strength	<u>✓</u>	<u>_____</u>
15.05	Cement Type	<u>✓</u>	<u>_____</u>
23.02	Maintained Access Roads	<u>✓</u>	<u>_____</u>
25.01	Necessary Equipment to Prevent Waste	<u>✓</u>	<u>_____</u>
23.04	Reclaimed Drilling Pits	<u>✓</u>	<u>_____</u>
23.05	No Surface or Underground Pollution	<u>✓</u>	<u>_____</u>
23.07	Requirements for Production & Gathering Pipelines	<u>✓</u>	<u>_____</u>
16.01	Well Records on Site	<u>_____</u>	<u>_____</u>
16.02	Well Records Filed	<u>✓</u>	<u>_____</u>
7.05	Identification Markings	<u>✓</u>	<u>_____</u>

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *Wanda R. Ellis*
DATE 5-30-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator-Oil & Gas Division

June 7, 1985
DATE

TMS/nw

<u>JUL 30 1984</u> Date received by FERC	Signature <u><i>[Signature]</i></u> Date application is Completed <u>7-24-84</u>	Phone Number <u>(412) 349-6800</u>
---	---	------------------------------------

U.S. DEPARTMENT OF ENERGY
 Federal Energy Regulatory Commission
 Washington, D.C. 20426

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
 PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
 (Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

JUL 20 1981

PARTICIPANTS:

DATE: AUG 16 1984

BUYER-SELLER

OPERATOR:

J & J Enterprises, Inc.

FIRST PURCHASER:

Tennessee Gas Pipeline Co.

OTHER:

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

840730-103-001 = 2040

QUALIFIED

Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- NO. 1. FERC -121 _____ Items not completed - Line No. _____
- 2. IV-1 Agent _____
- 3. IV-2 Well Permit _____
- 4. IV-6 Well Plat _____
- 5. IV-35 Well Record _____ Drilling _____ Deepening _____
- 6. IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7. IV-39 Annual Production _____ years
- 8. IV-40 90 day Production _____ Days off line: _____
- 9. IV-48 Application for certification. Complete? _____
- 10. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? _____ Affidavit Sig _____
- 11. Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
Gas Analyses _____
- 12. Date commenced: _____ Date completed _____ Deepened _____
- 13. Production Depth: _____
- 14. Production Formation: _____
- 15. Final Open Flow: _____
- 16. After Frac. R. P. _____
- 17. Other Gas Test: _____
- 18. Avg. Daily Gas from Annual Production: _____
- 19. Avg. Daily Gas from 90-day ending w/1-120 days _____
- 20. Line Pressure _____
- 21. Oil Production _____ From Completion Month _____
- 22. Does lease inventory indicate enhanced recovery being done? _____
- 23. Is affidavit signed? _____ Notarized? _____
- 24. official well record with the Department confirm the submitted information? _____
- 25. Personal information _____ Does computer program confirm? _____
- 26. Information oriented to _____ by whom? _____

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

Date July 24, 1984
Operator's Well No. J-912
API Well No. 47 State 001 County Barbour Permit 2040

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
MCPA Section 103

WELL OPERATOR J & J Enterprises, Inc.
ADDRESS P. O. Box 697
Indiana, PA 15701
GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS P.O. Box 2511
Houston, Texas 77001

DESIGNATED AGENT James R. Willett
ADDRESS S.W. Jack Drilling Company
Box 48 Buckhannon, W. VA. 26201
LOCATION: Elevation 1780
Watershed Teter Mill Run
Disc. Cove County Barbour Quad Nestorville
Gas Purchase Contract No. _____
Meter Chart Code _____
Date of Contract _____

* * * * *
Date surface drilling was begun: May 8, 1984
* * * * *

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.

$$Pf = P_{we} XGLS$$
$$t=60 + (0.0075 \times 5510) + 459.7 = 561 \quad X = 53.35 \times 561 = 29931 \quad = 0.000033 \quad Pf = 1400 \times 2.72^{(0.000033)}$$
$$f=1532 \text{ psi} \quad = 1400 \times 2.72^{0.9} = 1400 \times 1.09$$

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 L. 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 24 day of July, 1984, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 24 day of July, 1984. My ~~XXXXXX~~ expires on the 23 day of January, 1988.
Commission

Vicki L. Vanderberg
Notary Public

[NOTARIAL SEAL]



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

THE UNIVERSITY OF CHICAGO
LIBRARY
540 EAST 57TH STREET
CHICAGO, ILL. 60637



Date July 24, 1984
Operator's Well No. J-9
API Well No. 47 - 001-2
State _____ County _____
Previous File No. _____

STATE APPLICATION FOR WELL CLASSIFICATION

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

DESIGNATED AGENT James R. Willett
ADDRESS S. W. Jack Drilling Co.
Box 48, Buckhannon, W. VA. 26033

Gas Purchase Contract No. _____ and Date _____
(Month, Day and year)

Meter Chart Code _____

Name of First Purchaser Tennessee Gas Pipeline Company
P.O. Box 2511
(Street or P. O. Box)
Houston, Texas 77001
(City) (State) (Zip Code)

FERC Seller Code 009480 FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT: _____ 103 _____ N/A
Category Code

- (1) Initial determination (See FERC Form 121.) Section of NGPA
- (2) Determination that increased production is the result of enhanced recovery technology.
- (3) Determination of a seasonally affected well.

Richard J. Kline Secretary
Name (Print) Title

Richard J. Kline
Signature

P. O. Box 697
Street or P. O. Box
Indiana PA 15701
City State (Zip Code)

412 349-6800
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant purchaser, if known).

The Department of Mines has received a request for certification of the show well as meeting the requirements of Section _____ under the Natural Gas Policy Act (NGPA); for determination that increased production is the result of enhanced recovery under Section 108 of (NGPA); or for determination of a seasonally affected well under Sec _____

All interested parties are hereby notified that on the _____ day of _____ the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is. is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of the and any additional evidence will be made at the time appointed for a public hearing or as so as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen days, a hearing will not be held except on ex parte motion of the department and the matter go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

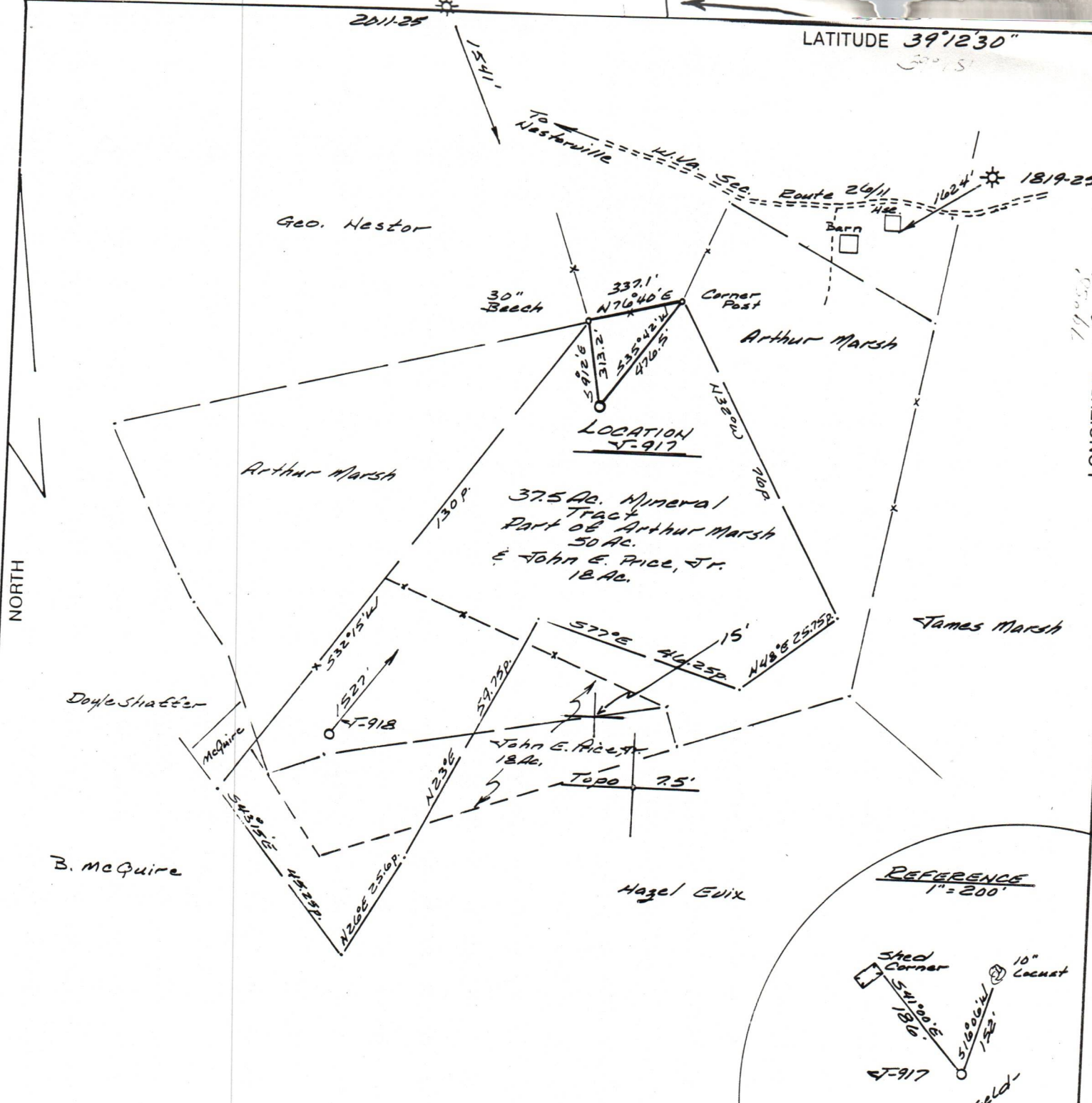
Director

By _____
Title _____

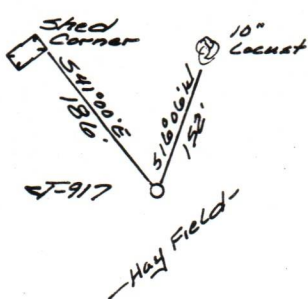
JUL 30 1984

Date received by
Jurisdictional Agency

LATITUDE 39°12'30"



REFERENCE 1" = 200'



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 346.01
 DRAWING NO. 84-21
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM-1375'
SW. of Location.

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 MINES.
 (SIGNED) Richard S. Ostrander
 R.P.E. _____ L.L.S. 555
Buckhannon, WV

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE 3 March, 19 84
 OPERATOR'S WELL NO. 5-917
 API WELL NO. 47-001-2040
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1780' WATER SHED Teter Mill Run
 DISTRICT Cove COUNTY Barbour
 QUADRANGLE Nestorville
 SURFACE OWNER Arthur W. Marsh, et ux
 OIL & GAS ROYALTY OWNER Arthur W. Marsh, et ux ACREAGE 50
 LEASE ACREAGE 50
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 LEASE NO. JJ-1487
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Fox ESTIMATED DEPTH 5600'
 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

COUNTY NAME PERMIT