



1) Date: April 17, 19 84  
 2) Operator's Well No. J-909  
 3) API Well No. 47 001 2054  
 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: 1890 Watershed: Laurel Run  
 District: Philippi County: Barbour Quadrangle: Belington
- 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, 5250 feet
- 13) Approximate trata depths: Fresh, 35,255 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 200, 530, 655 Is coal being mined in the area? Yes  OIL & GAS DIVISION
- 15) CASING AND TUBING PROGRAM

RECEIVED  
 APR 19 1984

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	113/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		900	900	To surface	<u>NEAT</u>
Coal	8 5/8	ERW	23	x		900	900	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5250	5250	350 sks.	Depths set
Tubing									<u>or as req. by rule</u>
Liners									Perforations: <u>15.01</u>
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-001-2054 Date May 11 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 11, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>BLANKET</u>	Agent: <u>[Signature]</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>1512</u>
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[Signature]  
 Administrator, Office of Oil and Gas

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





OFFICE USE ONLY

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

1) WELL LOCATION: B. (If Gas) Production: \_\_\_\_\_ Elevation: \_\_\_\_\_

2) WELL OPERATOR: \_\_\_\_\_ Address: \_\_\_\_\_

3) DESIGNATED AGENT: \_\_\_\_\_ Address: \_\_\_\_\_

4) DRILLING CONTRACTOR: \_\_\_\_\_ Address: \_\_\_\_\_

5) OIL & GAS INSPECTOR TO BE NOTIFIED: \_\_\_\_\_ Address: \_\_\_\_\_

6) PROPOSED WELL WORK: \_\_\_\_\_

7) GEOLOGICAL TARGET FORMATION: \_\_\_\_\_

8) APPROXIMATE COAL STRATA: \_\_\_\_\_

9) CASING AND TUBING PROGRAM: \_\_\_\_\_

RECEIVED APR 10 1984

TUBING OR CASING TYPE	SIZES	DEPTH	SPECIFICATIONS			FOOTAGE INTERVALS	
			Grade	Weight per ft	Use	For drilling	For casing
Conductor	2 7/8	30	10	30	0	30	0
Production	2 3/4	300	10	30	200	200	200
Intermediate	2 1/2	300	10	30	300	300	300

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

OTHER INSPECTIONS

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

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

Bond	Agent	Pit	Casing	Fee
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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OFFICE OF OIL & GAS  
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED  
(i) Name Robert W. Golden  
Address Rt. # 2  
Belington, WV 26250  
(ii) Name  
Address  
(iii) Name  
Address

5(i) COAL OPERATOR  
Address  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Eastern Associated Coal Corp.  
Address 1700 Coppers Building  
Pittsburgh, Pa. 15219  
Name Sarah Mellon Scaife Foundation  
Address P.O. Box 268  
Charleston, WV 25311  
Pittsburgh, Pa. 15230  
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.

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) EXTRACTION RIGHTS

Check and provide one of the following:  
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.  
 The requirement of Code 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 X

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

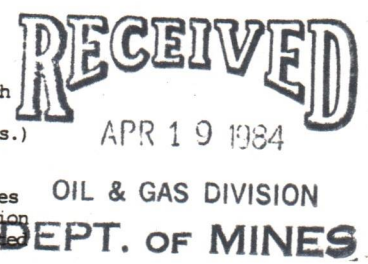
See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

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

Richard Reddecliff  
this 17 day of April, 1984.  
My commission expires 10/16, 1989.

Notary Public, Upshur County,  
State of West Virginia

WELL OPERATOR J&J Enterprises, Inc.  
By [Signature] Designated Agent  
Address P.O. Box 48  
Buckhannon, WV 26201  
Telephone 472-9403



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 § 22-4-8a 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 Page</u>
L.L.Moss & D.Dent Moss	J&J Enterprises, Inc	All of 1/8-100%	





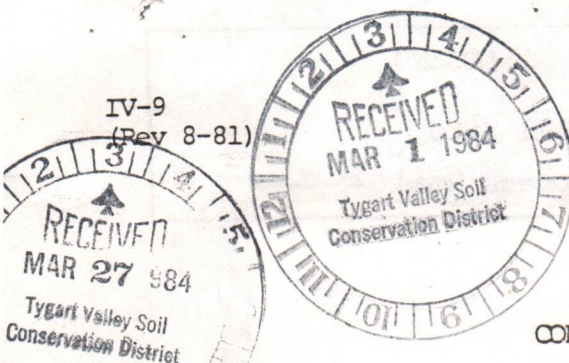




DATE 22 February 1984  
 WELL NO. V-909  
 API NO. 47-001-2054

State of West Virginia  
 Department of Mines  
 Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN



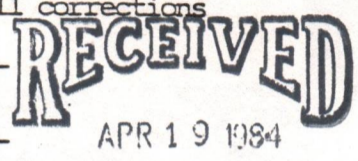
COMPANY NAME J&J Enterprises, Inc.  
 Address PO Box 48  
Buckhannon, WV 26201  
 Telephone 304-472-9404

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

LANDOWNER Robert W. Golden Rt 2, Belington, WV 26250 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: 4-6-84 (Date)

Junio Hylis  
 (SCD Agent)



OIL & GAS DIVISION  
 DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure <u>Culverts</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>AS Shown and As Needed</u> (15" min. when leaving a state road.)	Material <u>Soil (2% max. slope)</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Drainage Ditch</u> (B)	Structure <u>Drilling Pit</u> (2)
Spacing <u>To be constructed along</u> <u>the access road.</u>	Material <u>Soil</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>-----</u>
Structure <u>Cross Drains</u> (C)	Structure <u>Sediment Trap</u> (3)
Spacing <u>5%-135' 15%-60'</u>	Material <u>Soil</u>
Spacing <u>10%- 80' 20%-45'</u>	Page Ref. Manual <u>-----</u>
Page Ref. Manual <u>2-4</u>	

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

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\* Ky-31 Tall Fescue 30 lbs/acre  
Annual Rye 5 lbs/acre  
Red Clover 10 lbs/acre

Lime 3 Tons/acre  
 or correct to pH 6.5  
 Fertilizer 600 lbs/acre  
 (10-20-20 or equivalent)  
 Mulch 2 Tons/acre  
 Seed\* Ky-31 Tall Fescue 30 lbs/acre  
Annual Rye 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.



**RECEIVED**

APR 19 1984

OIL & GAS DIVISION  
DEPT. OF MINES

Box-2054

P 471 414 393  
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse) Q-909

PS Form 3800, Feb. 1982

Sent to	Robert W. Golden
Street and No.	RT. #2
P.O., State and ZIP Code	Belington, WV 26250
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 FEE	\$ 1.72
Postmark Date	APR 17 1984

J & L ENTERPRISES, INC.  
P.O. BOX 48  
BUCINANNON, WV 26201







**RECEIVED**  
 APR 19 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

*Bar-2054*

**P 471 414 391**  
 RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL

*(See Reverse) J-909 J-910 J-911*

PS Form 3800, Feb. 1982

Sent to	
Sarah Mellon Scaife Foundatio	
Street and No.	
P. O. Box 268	
P.O., State and ZIP Code	
Pittsburgh, PA 15230	
Postage	\$ .54
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	\$1.89
Postmark or Date	APR 17 1984

J & J ENTERPRISES, INC.  
 P. O. BOX 48  
 BUCKHANNON, WV 26201  
 262

**P 471 414 389**  
 RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL

*(See Reverse) J-909 J-910 J-911*

PS Form 3800, Feb. 1982

Sent to	
CHARLESTON NATIONAL BANK	
Street and No.	
P.O., State and ZIP Code	
Charleston, WV 25311	
Postage	\$ .54
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	\$1.89
Postmark or Date	APR 17 1984

J & J ENTERPRISES, INC.  
 P. O. BOX 48  
 BUCKHANNON, WV 26201  
 262

**P 471 414 390**  
 RECEIPT FOR CERTIFIED MAIL  
 NO INSURANCE COVERAGE PROVIDED—  
 NOT FOR INTERNATIONAL MAIL

*(See Reverse) J-909 J-910 J-911*

PS Form 3800, Feb. 1982

Sent to	
Eastern Associated Coal Corp	
Street and No.	
1700 Coppers Building	
P.O., State and ZIP Code	
Pittsburgh, PA 15219	
Postage	\$ .54
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	\$1.89
Postmark or Date	APR 17 1984

J & J ENTERPRISES, INC.  
 P. O. BOX 48  
 BUCKHANNON, WV 26201  
 262









IV-35  
(Rev 8-81)

RECEIVED

JUL 8 1984

OIL & GAS DIVISION  
DEPT. OF MINES

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date July 17, 1984  
Operator's Well No. J-909  
Farm L.L. Moss  
API No. 47 - 001 - 2054

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: 1890 Watershed Laurel Run  
District: Philippi County Barbour Quadrangle Belington

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 W. Golden

ADDRESS Rt. # 2, Belington, WV 26241

MINERAL RIGHTS OWNER L.L. Moss

ADDRESS Rt. 2, Buckhannon, WV 26201

OIL AND GAS INSPECTOR FOR THIS WORK Phillip  
Tracy Forrest Festival Terrace  
ADDRESS Apt. 24, Elkins, WV 26241

PERMIT ISSUED 5/11/84

DRILLING COMMENCED 5/24/84

DRILLING COMPLETED 6/1/84

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"	32	32	0
9 5/8			
8 5/8	893	893	260 sks.
7			
5 1/2			
4 1/2	5359.55	5359.55	420 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Fox Depth feet

Depth of completed well 5500 feet Rotary x / Cable Tools

Water strata depth: Fresh 35 feet; Salt 0 feet

Coal seam depths: None Is coal being mined in the area? Mo

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5285-87 5158-86 feet

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

Combined Final open flow 641 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 4 hours

Static rock pressure 1700 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

Second producing formation Elks Pay zone depth 3837-56 4199-4202 4559-4202 feet

Gas: Initial open flow Mcf/d Oil: Initial open flow 4675-4676 4779-88 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 2054



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

Haverty: Perforations: 5158-86(14 holes) 5285-87(3 holes)  
 Fracturing: 150 sks. 80/100 sand:400 sks. 20/40 sand:705 Bbls. fluid.  
 Elk: Perforations: 4675-76 (4 holes) Fracturing: 350 sks. 20/40 sand:500 gal. acid:385 Bbls. fluid.  
 1st Elk: Perforations:4199-4202 (6 holes) 4559-61 (6 holes)  
 Fracturing: 450 sks. 20/40 sand:500 gal. acid: 345 Bbls. fluid.  
 Benson: Perforations: 3837-38 ( 3 holes) 3853-56 (12 holes)  
 Fracturing: 450 sks. 20/40 sand:500 gal. acid:480 Bbls. fluid.

BOTTOM HOLE PRESSURE  $P_f = P_{we} X GLS$

$$t=60 + (0.0075 \times 5360) + 459.7 = 560 \quad X = \frac{1}{53.35} \times \frac{1}{560} = \frac{1}{29871} = 0.000033 \quad P_f = 1700 \times 2.72^{(0.000033)}$$

$$(0.680) (4512) (0.9) = 1700 \times 2.72^{0.09} = 1700 \times 1.09$$

WELL LOG  
 Pf= 1860 psi

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Top Soil			0	25	
Coal			25	28	1/2" stream @ 35'
Sandy shale & sand			28	270	
Coal			270	275	Gas ck @ 2445 No show
Sand			275	376	
Coal			376	380	Gas ck @ 2816 No show
Sandy shale & red rock			380	740	
Sandy shale & red rock			740	875	Gas ck @ 3960 No show
Sandy shale			875	1170	
Little Lime			1170	1185	Gas ck @ 4733 Light No show
Big Lime			1185	1300	
Sandy shale & sand			1300	3160	Gas ck @ 5165 Odor No show
Sand & sandy shale			3160	3853	
Benson			3853	3856	Gas ck @ collars 8/10-1" w/water
Sandy shale & sand			3856	4199	21,300 cu.ft.
1st Elk			4199	4561	
Sandy shale & sand			4561	4675	
2nd Elk			4675	4788	
Sandy shale & sand			4788	5158	
Haverty			5158	5287	
Sandy shale & sand			5287	5500	
				T.D.	

(Attach separate sheets as necessary)

J & J Enterprises, Inc.  
 Well Operator  
 By: B.K. [Signature]  
 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."



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. 001-2054

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company J + J Enterprises

Address \_\_\_\_\_

Farm Moss

Well No. 909

District Phillippi County Barbar

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 3/8			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: Location

5-18-84  
DATE

Phillip Dwyer  
DISTRICT WELL INSPECTOR







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

RECEIVED  
MAY 30 1984

OIL & GAS DIVISION  
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2054

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm Robert Golden  
 Well No. J 909  
 District Phillippi County Berber  
 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 3/4			
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: Moving rig

5-24-84  
DATE

Philip Gray  
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			Packer				
Location			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  
JUN 1 1 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 001-2054

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company J & J Enterprises  
 Address \_\_\_\_\_  
 Farm Robert Golden  
 Well No. J 909  
 District Phillip County Barbour  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 3300  
 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			Size of _____
10			Depth set _____
8 1/4			Perf. top _____
6 3/8			Perf. bottom _____
5 3/16			Perf. top _____
3			Perf. bottom _____
2			
Liners Used			

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: NO Well

May 31, 84  
DATE

Phillip Lory  
DISTRICT WELL INSPECTOR







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

RECEIVED

AUG 23 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES  
Oil or Gas Well  
(KIND)

Permit No. 001-2054

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>J &amp; J</u>	Size			
Address	16			Kind of Packer
Farm <u>GOLDEN</u>	13			
Well No. <u>J-909</u>	10			Size of
District _____ County <u>001</u>	8 1/4			
Drilling commenced	6 3/8			Depth set
Drilling completed _____ Total depth _____	5 3/16			
Date shot _____ Depth of shot _____	3			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top
Volume _____ Cu. Ft.				Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names \_\_\_\_\_

Remarks:

*Check Reclamation - Seeding Thin -  
Pipeline recently laid & no Seeding  
done on it*

8/21/84  
DATE

RG Bead - 501

DISTRICT WELL INSPECTOR







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

INSPECTOR'S WELL REPORT

Permit No. 001-2054

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company J & J  
 Address \_\_\_\_\_  
 Farm GOLDEN  
 Well No. J-909  
 District \_\_\_\_\_ County 001  
 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 _____

**RECEIVED**  
 OCT 9 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

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: Issued final — Fair Cover  
Api NO installed.

10/4/84

DATE

R. C. Peace

DISTRICT WELL INSPECTOR



**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		
CEMENT-THICKNESS		WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST	

Drillers' Names \_\_\_\_\_

Remarks: \_\_\_\_\_

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

\_\_\_\_\_ DISTRICT WELL INSPECTOR



PARTICIPANT:

DATE: AUG 16 1984

BUYER-SELLER

OPERATOR:

J & J Enterprises, Inc.  
Tennessee Gas Pipeline Co.

FIRST PURCHASER:

NUMBER:

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

840731-103-001-2054

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

**QUALIFIED**

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

M. 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? \_\_\_\_\_
- 17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? \_\_\_\_\_ Affidavit Sign \_\_\_\_\_
- 28. Other: Survey \_\_\_\_\_ Logs \_\_\_\_\_ Geological Charts \_\_\_\_\_  
Structure Map \_\_\_\_\_ 1: 4000 Map \_\_\_\_\_ Well Tabulations \_\_\_\_\_  
Gas Analyses \_\_\_\_\_
- (5) Date commenced: \_\_\_\_\_ Date completed \_\_\_\_\_ Deepened \_\_\_\_\_
- (5) Production Depth: \_\_\_\_\_
- (5) Production Formation: \_\_\_\_\_
- (5) Final Open Flow: \_\_\_\_\_
- (5) After Frac. R. P. \_\_\_\_\_
- (6) Other Gas Tests: \_\_\_\_\_
- (7) Avg. Daily Gas from Annual Production: \_\_\_\_\_
- (8) Avg. Daily Gas from 90-day ending well-logs: \_\_\_\_\_
- (9) Line Pressure: \_\_\_\_\_
- (10) C.O. Production: \_\_\_\_\_ From Completion Record: \_\_\_\_\_
- 17. Does lease inventory indicate enhanced recovery being done? \_\_\_\_\_
- 17. Is affidavit signed? \_\_\_\_\_ Notarized? \_\_\_\_\_
- Does official well record with the Department confirm the submitted information? \_\_\_\_\_
- Does additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Inter-lease Owner to \_\_\_\_\_





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

FINAL INSPECTION REPORT  
INSPECTORS COMPLIANCE REPORT  
August 16, 1984

**RECEIVED**  
OCT 9 1984  
OIL & GAS DIVISION  
DEPT. OF MINES

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

PERMIT NO 001-2054  
FARM & WELL NO Robt. Golden #J-909  
DIST. & COUNTY Philippi/Barbour

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

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

SIGNED RG Beall  
DATE 10/4/84

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

December 17, 1984  
DATE



FERC-121

1.0 API well number (If not available, leave blank. 14 digits.)	<u>47-001-2054</u>																			
2.0 Type of determination being sought. (Use the codes found on the front of this form.)	<u>103</u> Section of NGPA	<u>N/A</u> Category Code																		
3.0 Depth of the deepest completion location. (Only needed if sections 103 or 107 in 2.0 above.)	<u>4788</u> feet																			
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	<u>J &amp; J Enterprises, Inc.</u> Name		<u>009480</u> Seller Code																	
	<u>P.O. Box 697</u> Street																			
	<u>Indiana,</u> City	<u>PA</u> State	<u>15701</u> Zip Code																	
5.0 Location of this well. (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	<u>Philippi</u> Field Name																			
	<u>Barbour</u> County	<u>WV</u> State																		
(b) For OCS wells:	<u>N/A</u> Area Name																			
			<u>        </u> Block Number																	
	Date of Lease: <table style="margin: auto; border: none;"> <tr> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> </tr> <tr> <td style="border: none;">Mo.</td> <td style="border: none;">Day</td> <td style="border: none;">Yr.</td> <td colspan="3" style="border: none;">OCS Lease Number</td> <td colspan="2" style="border: none;">_____</td> </tr> </table>												Mo.	Day	Yr.	OCS Lease Number			_____	
Mo.	Day	Yr.	OCS Lease Number			_____														
(c) Name and identification number of this well. (35 letters and digits maximum.)	<u>J-909</u>																			
(d) If code 4 or 5 in 2.0 above, name of the reservoir. (35 letters maximum.)	<u>N/A</u>																			
6.0 (a) Name and code number of the purchaser. (35 letters and digits maximum. If code number not available, leave blank.)	<u>Tennessee Gas Pipeline Company</u> Name																			
	<u>        </u> Buyer Code																			
(b) Date of the contract:	<table style="margin: auto; border: none;"> <tr> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> <td style="border: none;"> </td> </tr> <tr> <td style="border: none;">Mo.</td> <td style="border: none;">Day</td> <td style="border: none;">Yr.</td> <td colspan="4" style="border: none;">        </td> </tr> </table>												Mo.	Day	Yr.					
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 to 3 decimal places.)	<u>2.909</u>	<u>-.278</u>	<u>-.    </u>	<u>3.190</u>																
8.0 Maximum lawful rate (As of filing date. Complete to 3 decimal places.)	<u>2.909</u>	<u>-.278</u>	<u>-.    </u>	<u>3.190</u>																
9.0 Person responsible for this application	<table style="width:100%; border: none;"> <tr> <td style="width:35%; border: none;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; font-size: small;">Agency Use Only</td> </tr> <tr> <td style="text-align: center; font-size: small;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: large; font-weight: bold;">JUL 31 1984</td> </tr> <tr> <td style="text-align: center; font-size: small;">Date Received by FERC</td> </tr> </table> </td> <td style="width:35%; border: none;"> <u>Richard J. Kline</u> Name                 </td> <td style="width:30%; border: none;"> <u>Secretary</u> Title                 </td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">                       _____ Signature                 </td> <td style="border: none;"> <u>7-24-84</u> Date application is Completed                 </td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"> <u>(412) 349-6800</u> Phone Number                 </td> </tr> </table>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; font-size: small;">Agency Use Only</td> </tr> <tr> <td style="text-align: center; font-size: small;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: large; font-weight: bold;">JUL 31 1984</td> </tr> <tr> <td style="text-align: center; font-size: small;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency	JUL 31 1984	Date Received by FERC	<u>Richard J. Kline</u> Name	<u>Secretary</u> Title		 _____ Signature	<u>7-24-84</u> Date application is Completed			<u>(412) 349-6800</u> Phone Number			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; font-size: small;">Agency Use Only</td> </tr> <tr> <td style="text-align: center; font-size: small;">Date Received by Juris. Agency</td> </tr> <tr> <td style="text-align: center; font-size: large; font-weight: bold;">JUL 31 1984</td> </tr> <tr> <td style="text-align: center; font-size: small;">Date Received by FERC</td> </tr> </table>	Agency Use Only	Date Received by Juris. Agency	JUL 31 1984	Date Received by FERC	<u>Richard J. Kline</u> Name	<u>Secretary</u> Title														
Agency Use Only																				
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JUL 31 1984																				
Date Received by FERC																				
	 _____ Signature	<u>7-24-84</u> Date application is Completed																		
		<u>(412) 349-6800</u> Phone Number																		



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:

APR 16 JUL



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

Date July 24, 1984  
Operator's Well No. J-909  
API Well No. 47 - 001 - 2054  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL  
NGPA 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 1890  
Watershed Laurel Run  
District Philippi County Barbour Quad Belington  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: May 24, 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.

BOTTOM HOLE PRESSURE Pf=PweXGLS

$t=60 + (0.0075 \times 5360) + 459.7 = 560$      $X=53.35 \times 560 = 29871$      $=0.000033$      $Pf=1700 \times 2.72 (0.000033)$   
 $(0.680) (4512) (0.9) = 1700 \times 2.72^{0.09} = 1700 \times 1.09$   
Pf= 1860 psi

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







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

Date July 24, 1984  
Operator's Well No. J-909  
API Well No. 47 - 001-2054  
State West Virginia County Putnam  
Previous File No. (12-221)

STATE APPLICATION FOR WELL CERTIFICATION

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. 26201

Gas Purchase Contract No. \_\_\_\_\_ and Date \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_ (Month, Day and year)

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:

- (1) Initial determination (See FERC Form 121.) 103 Section of NGPA N/A Category Code
- (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 and purchaser, if known).

The Department of Mines has received a request  for certification of the above described well as meeting the requirements of Section \_\_\_\_\_ under the Natural Gas Policy Act of 1978, (NGPA);  for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA);  or for determination of a seasonally affected well under Section 108 of (

All interested parties are hereby notified that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may 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 this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

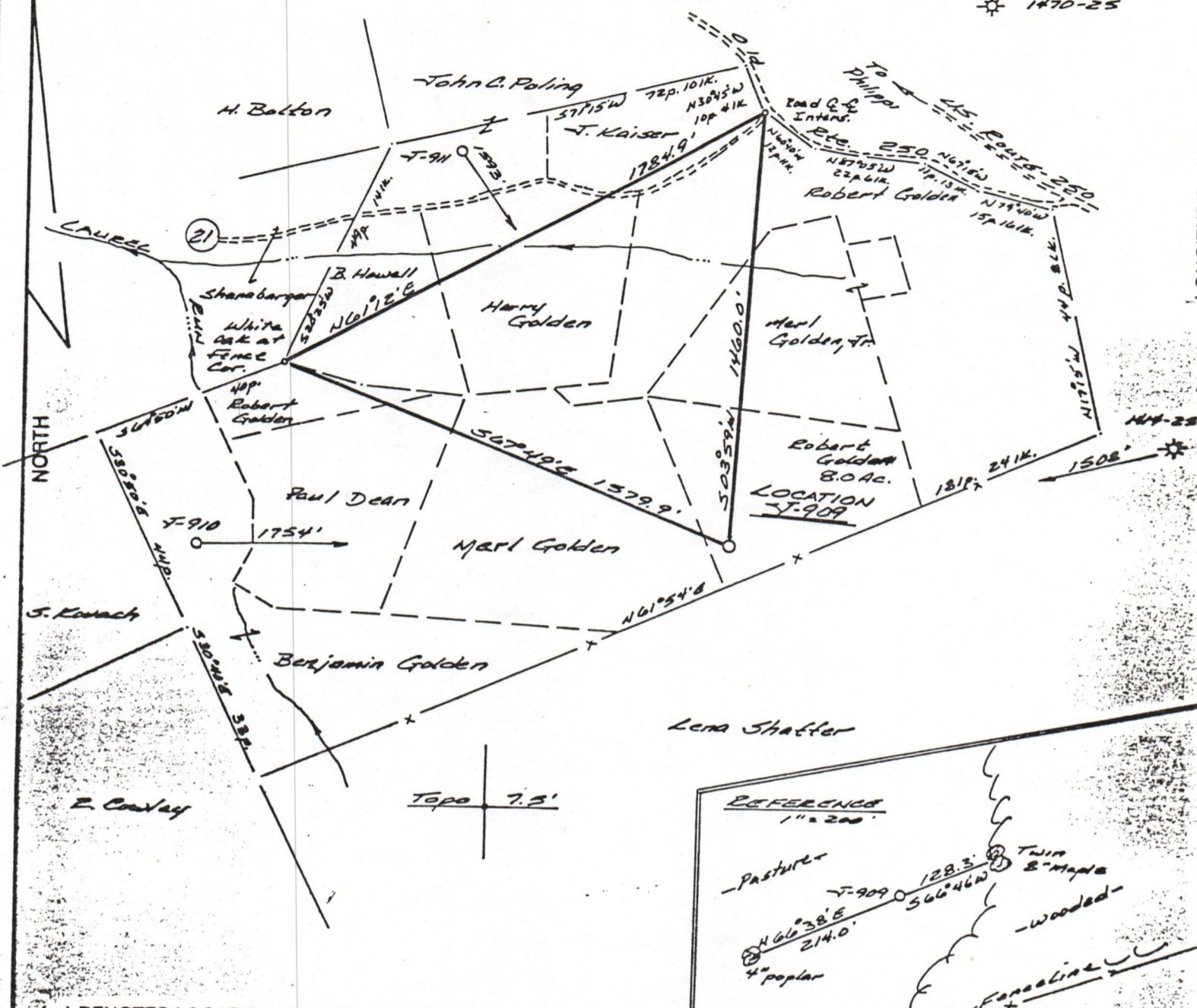
WEST VIRGINIA DEPARTMENT OF MINES

JUL 31 1984

Date received by \_\_\_\_\_  
Jurisdictional Agency

By [Signature] Director  
Title \_\_\_\_\_

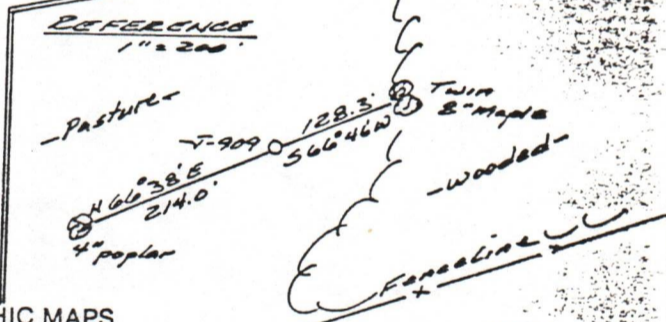
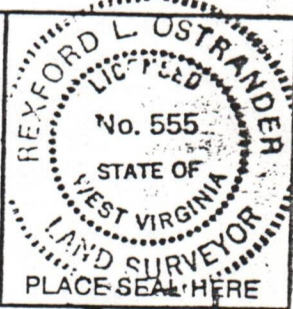




(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 346-01  
 DRAWING NO. 24-17  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Spot Elev. - 1862'  
North 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) Rexford L. Ostrander  
 R.P.E. \_\_\_\_\_ I.L.S. 555  
Buckhannon, WV



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



DATE 24 February, 19 84  
 OPERATOR'S WELL NO. T-909  
 API WELL NO. \_\_\_\_\_

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

LOCATION: ELEVATION 1890' WATER SHED Laura Run  
 DISTRICT Phillippi COUNTY Barbour  
 QUADRANGLE Belington

SURFACE OWNER Robert Golden ACREAGE 8.0  
 OIL & GAS ROYALTY OWNER L.L. Moss & Kent D. Moss LEASE ACREAGE 100

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_

PLUG AN ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Fox ESTIMATED DEPTH 5300'

WELL OPERATOR JET ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDDELIFF  
 ADDRESS P.O. Box 48 ADDRESS PO Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

COUNTY NAME PERMIT