



1) Date: November 15, 19 83
 2) Operator's Well No. JK-836
 3) API Well No. 47 - 001 - 2004
 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: 1710 Watershed: Laurel Creek
 District: Philippi 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 General Delivery Address P.O. Box 48
Ellamore, WV 26267 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, 5400 feet
- 13) Approximate strata depths: Fresh, 55 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 242-44 Is coal being mined in the area? Yes No

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 NOV 18 1983
 OIL & GAS DIVISION
 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	Left in well		
Conductor	113/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	85/8	ERW	23	x		1000	1000	To surface	by rule 15.05
Coal	85/8	ERW	23	x		1000	1000	To surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5350	5350	425 sks.	Depth set by rule 15.05
Tubing									10.81 rule
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-001-2004

December 8, 1983

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 December 8, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent: <u>SP</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1371</u>
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Reason: _____
 Reason: _____
 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) LOCATION: District: _____ County: _____ Township: _____ Quarter: _____
 2) WELL OPERATOR: Name: _____ Address: _____
 3) DESIGNATED AGENT: Name: _____ Address: _____
 4) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: _____ Address: _____
 5) DRILLING CONTRACTOR: Name: _____ Address: _____
 6) PROPOSED WELL WORK: Drill _____ / Drill _____ / Stimulate _____
 7) GEOLOGICAL TARGET FORMATION: _____
 8) Estimated depth of completed well: _____ feet
 9) Approximate true depth: _____ feet
 10) Approximate coal seam depth: _____ feet
 11) Is coal being mined in the area? Yes _____ No _____

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 NOV 18 1983

DEPT. OF MINES
 OIL & GAS DIVISION

Casing or Tubing Type	Size	Grade	SPRICATION		Footage	Cement	Cement	Cement
			Weight per ft.	Per ft.				
Production	2 7/8	API 5L X 52	10.68	10.68	1000	1000	1000	1000
Intermediate	3 1/2	API 5L X 52	15.43	15.43	1000	1000	1000	1000
Flowline	4 1/2	API 5L X 52	21.00	21.00	1000	1000	1000	1000

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: _____

1) Date: November 15, 1983
2) Operator's Well No. JK-836
3) API Well No. 47 - 001 - 2004
State County Permit

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 Marie Baughman
Address P.O. Box 174
Philippi, WV 26416

(ii) Name _____
Address _____

(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Daywood Foundation, Inc.
Address P.O. Box 951
Charleston, WV 25323

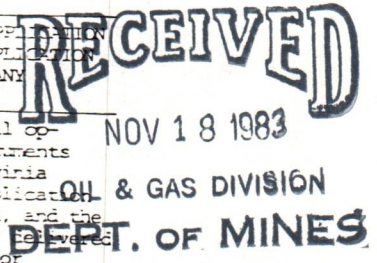
Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name Badger Coal Co.
Address Rt. # 3, Box 197
Buchannon, WV 26201

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 15 day of November, 1983.
My commission expires 10/16, 1989.

Linda S. Corfield
Notary Public, Upshur County,
State of West Virginia

WELL OPERATOR J&J Enterprises, Inc.
By [Signature]
Its Designated Agent
Address P.O. Box 48
Buchannon, 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.

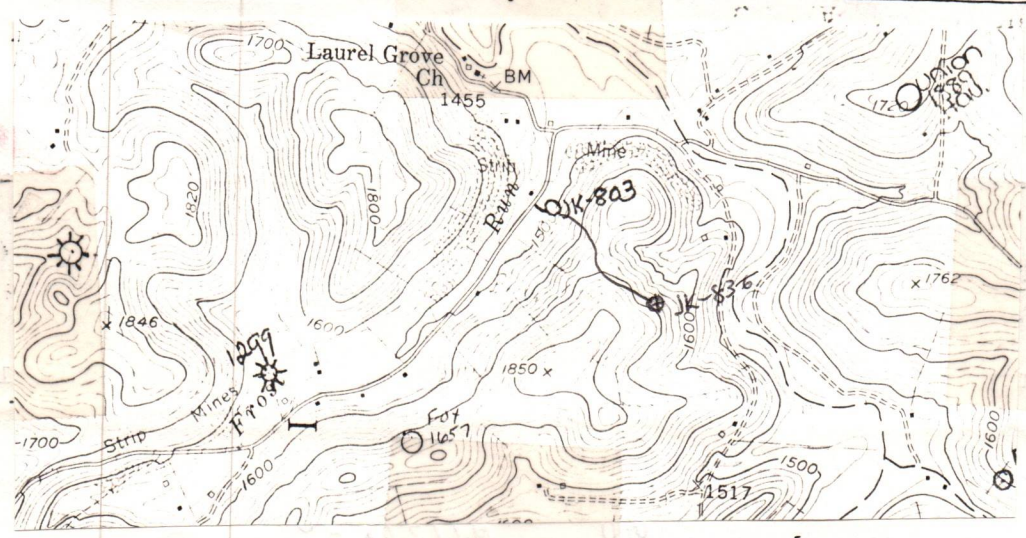
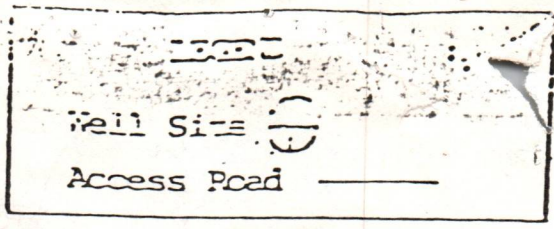
INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

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</u>	<u>Page</u>
Marie Baughman P.O. Box 174 Philippi, WV 26416	J&J Enterprises, Inc.	1/8-100%	93	603



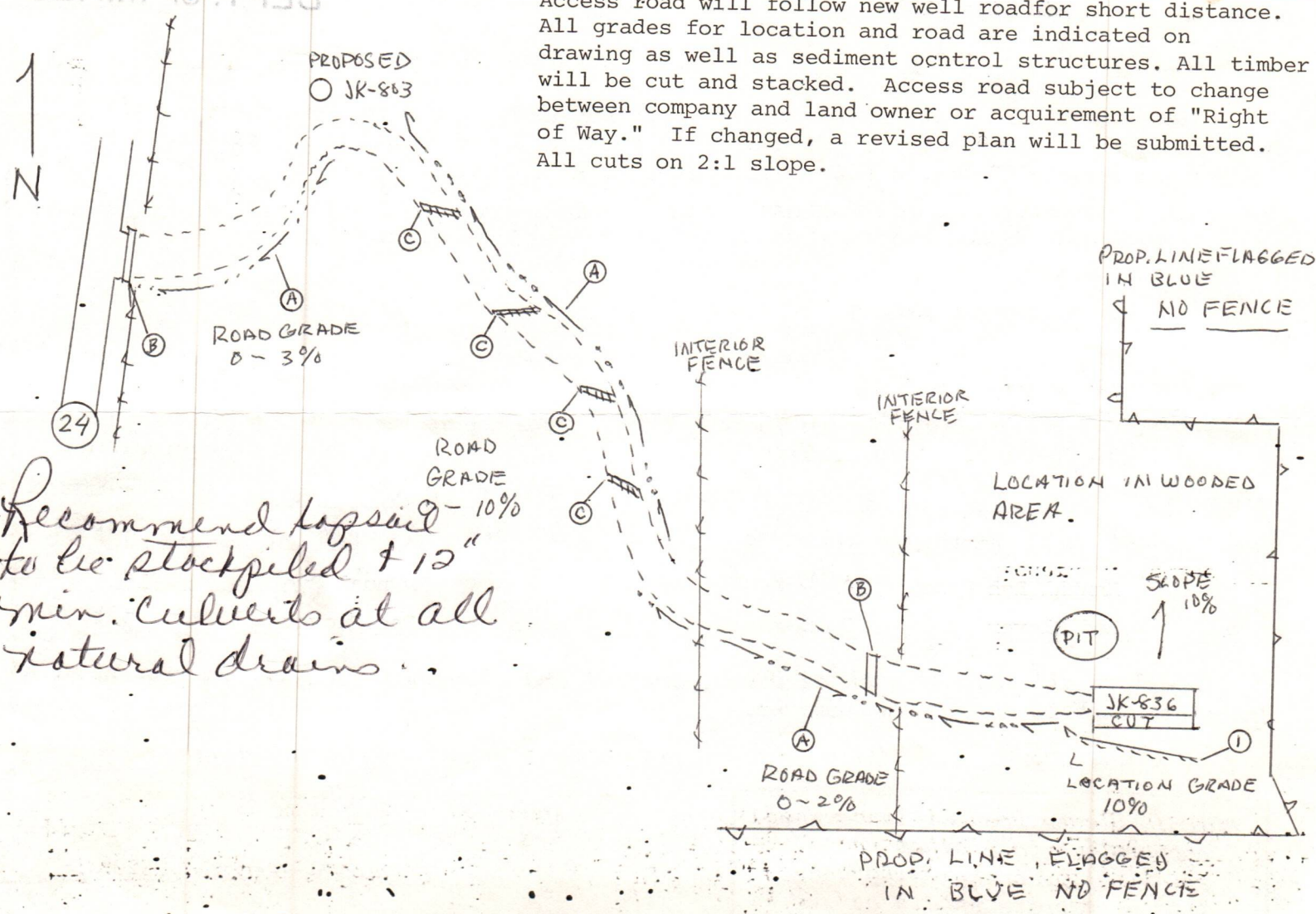
WELL SITE PLAN

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

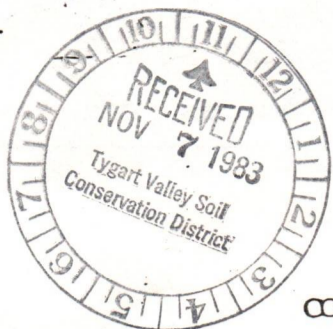
LEGEND

- Property boundary ————
- Road = = = = =
- Existing fence — x — x —
- Planned fence — / — / —
- Stream ~ ~ ~ ~ ~
- Open ditch ————>
- Diversion // // // // //
- Spring (Symbol: circle with arrow)
- Wet spot (Symbol: circle with cross)
- Building (Symbol: rectangle)
- Drain pipe — o —> — o —> —
- Waterway < = = = =

Access road will follow new well road for short distance. All grades for location and road are indicated on drawing as well as sediment control structures. All timber will be cut and stacked. Access road subject to change between company and land owner or acquirement of "Right of Way." If changed, a revised plan will be submitted. All cuts on 2:1 slope.



Recommend topsoil to be stockpiled + 12" min. culverts at all natural drains.



DATE November 7, 1983

WELL NO. JK-836

State of West Virginia

API NO. 47 - 001 - 2004

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc.

DESIGNATED AGENT Richard M. Reddecliff

Address P.O. Box 48

Address P.O. Box 48, Buckhannon, WV

Telephone Buckhannon, WV 26201

Telephone 472-9403

310 Locust Ave.

LANDOWNER Marie Baughman Philippi, WV

SOIL CONS. DISTRICT Tygarts Valley

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

This plan has been reviewed by Tygarts Valley SCD. All corrections and additions become a part of this plan: 11/12/83 (Date)

Jean Freeman (SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)

Structure Diversion Ditch (1)

Spacing To be constructed along road

Material soil

Page Ref. Manual 2-10

Page Ref. Manual 2-12

Structure Cross Relief Drains (C)

Structure

Spacing 40'-80' apart depending on grade

Material

Page Ref. Manual 2:4

Page Ref. Manual

Structure Culverts (B)

Structure OIL & GAS DIVISION

Spacing Min size 15"

Material DEPT. OF MINES

Page Ref. Manual 2:8

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.

Note: Drainage to be maintained after completion of well and seeding to commence within 3 months after completion of well.

REVEGETATION

Treatment Area I

Treatment Area II

Lime 3 Tons/acre or correct to pH 6.5

Lime 3 Tons/acre or correct to pH 6.5

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Fertilizer 600 lbs/acre (10-20-20 or equivalent)

Mulch Hay 2 Tons/acre

Mulch Hay 2 Tons/acre

Seed* Ky-31 Tall Fescue 30 lbs/acre

Seed* Ky-31 Tall Fescue 30 lbs/acre

Annual Rye 10 lbs/acre

Annual Rye 10 lbs/acre

Red Clover 5 lbs/acre

Rec Clover 5 lbs/acre

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

PLAN PREPARED BY Ed Summerfield

ADDRESS P.O. Box 48

Buckhannon, WV 26201

PHONE NO. 472-9403

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

P 471
414 291
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL
(See Reverse) 95-836

Sent to	ms. Marie Baughman	
Street and No.	P.O. Box 174	
P.O. State and ZIP Code	Phillipp, WV 26416	
Postage	\$	37
Certified Fee		.95
Special Delivery Fee		
Restricted Delivery Fee		.60
Return Receipt Showing Date Delivered to whom and Date Delivered		
Return Receipt Showing to whom Date, and Address of Delivery		
TOTAL Postage		1.92

Postmark
J & J ENTERPRISES, INC.
 P.O. BOX 1503
 PHILLIP, WV 26291
BUCKINGHAM
 FEB 15 1982

RECEIVED

NOV 18 1983

OIL & GAS DIVISION
DEPT. OF MINES

P 471 414 292

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

OK-83

Sent to

The Day Wood Foundation

Street and No.

P.O. Box 951

P.O., State and ZIP Code

Charleston, WV 25323

Postage

\$.39

Certified Fee

.75

Special Delivery Fee

Restricted Delivery Fee

Return Receipt Showing
to whom and Date Delivered
Return Receipt Following to whom
Date and Amount

60

RECEIVED

NOV 18 1983

OIL & GAS DIVISION
DEPT. OF MINES

P 471 414 294
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse) **PK-836**

Sent to	Bernard G. Sampson
Street and No.	368
P.O. Box	26554
P.O., State and ZIP Code	Fairmont, WV 26554
Postage	.37
Certified Fee	.75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing	
Return Receipt Date Delivered	.60
Return Receipt Showing to whom	
Return Receipt Date of Delivery	
Date, and	
TOTAL Postage and Fees	\$1.72
Postmark or Date	NOV 18 1983

Form 3800, Feb. 1982

J & W ENTERPRISES, INC.
P.O. BOX 48
BUCHANAN, WV 26201

Form 3800, Feb. 1982

J & J
BUCKHANNON, WV



Return Receipt Showing Date and Address to whom and Date Delivered		Return Receipt Showing to whom	
Date and Address		Date and Address	
Restricted Delivery Fee		Special Delivery Fee	
Certified Fee		Postage	
TOTAL Postage		Certified Fee	
Postmark		Special Delivery Fee	

Sent to
Street and No. **Badger Coal Company**
PO, State and ZIP Code **Rt. #3 Box 197**
Buckhannon, WV 26201

P 471
RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED—
(See Reverse) **JK-836**
414 293

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NOV 13 1983
OIL & GAS DIVISION
DEPT. OF MINES

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

Haverty: Perforations: 5184-5211 (12 holes)
 Fracturing: 100 sks. 80/100 sand: 483 sks. 20/40 sand:540 gal. acid.
 Lower Elk: Perforations: 4800-47 (12 holes)
 Fracturing: 660 sks. 20/40 sand:500 gal. acid.
 Upper Elk: Perforations:4500-4559(12 holes)
 Fracturing: 600 sks. 20/40 sand: 500 gal. acid.
 Benson: Perforations: 3888-91 (12 holes)
 Fracturing: 400 sks. 20/40 sand:500 gal. acid.

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

$$t=60 + (0.0075 \times 5487) + 459.7 = 561 \quad X = \frac{1}{53.35} \times 561 = 10.51 \quad = 29929 \quad = 0.000033 \quad P_f = 1600 \times 2.72^{(0.000033)}$$

$$(0.62) (4547) (0.9) = 1600 \times 2.72^{0.08} = 1600 \times 1.09$$

Pf=1744 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-Conductor			0	19	
Sand			19	70	1/2" stream @ 80'
Coal			70	74	
Sand			74	175	1" stream @ 325'
Coal			175	178	
Sandy shale			178	225	1 3/4" stream @ 953'
Coal			225	229	
Hard sand			229	310	Gas ck @ 1426 No show
Coal			310	314	
Sand & shale			314	606	Gas ck @ 2300 No show
Coal			606	610	
Sandy shale & red rock			610	815	Gas ck @ 3125 No show
Sand & red rock			815	910	
Sand, red rock & shale			910	1120	Gas ck @ 4057 2/10-2" w/water 60,000 cu.ft.
Big Lime			1120	1185	
Sand & shale			1185	2880	
Sand & shale			2880	3888	Gas ck @ 4675 2 1/10-1" w/water 207,000 cuft.
Benson			3888	3891	
Sandy shale			3891	4500	
Upper ELK			4500	4549	Gas ck @ 5290 10/10-1" w/water 133,000 cu.ft.
Sand & shale			4549	4800	
Lower Elk			4800	4847	
Sand & shale			4847	5184	Gas ck @ drill collars 6/10-1" w/water 100,000 cu.ft.
Haverty			5184	5211	
Sandy shale			5211	5665	
					TD.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

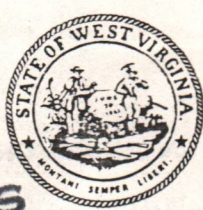
Well Operator

By: B. H. Dabhi

Date: 4/16/84

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."

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APR 17 1984



IV-35
(Rev 8-81)

OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia

Department of Mines
Oil and Gas Division

Date April 16, 1984
Operator's Well No. JK-836
Farm Marie Baughman
API No. 47 - 001 - 2004

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: 1710 Watershed Laurel Creek
District: Philippi 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 Marie Baughman

ADDRESS P.O. Box 174 Philippi, WV 26416

MINERAL RIGHTS OWNER Same as surface

ADDRESS

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

PERMIT ISSUED 12/8/83

DRILLING COMMENCED 3/23/84

DRILLING COMPLETED 3/29/84

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"	20	0	0 sks.
9 5/8			
8 5/8	993.30	993.30	265 sks.
7			
5 1/2			
4 1/2	5486.95	5486.95	660 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Haverty Depth 5184-5211 feet

Depth of completed well 5665 feet Rotary x / Cable Tools

Water strata depth: Fresh ^{80,325,953} feet; Salt ⁰ feet

Coal seam depths: 70-74, 175-78, 225-29, 310-14 Is coal being mined in the area? No
606-10

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 5184-5211 feet

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

Combined Final open flow 907 Mcf/d Final open flow Bbl/d

Time of open flow between initial and final tests 96 hours

Static rock pressure 1600 psig (surface measurement) after 96 hours shut in

(If applicable due to multiple completion--)

4500-49

4800-47

Second producing formation Benson & ELks Pay zone depth 3888-91 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 2004

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

RECEIVED
MAR 29 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 001-2004

Oil or Gas Well _____
(KIND)

Company J & J Enterprise
 Address _____
 Farm Mari Bayhman
 Well No. J.H. 836
 District Phillipi 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 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: Moved rig

3-23-84
DATE

Philip Drey
DISTRICT WELL INSPECTOR

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

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

RECEIVED

JUN 27 1984

OIL & GAS DIVISION
INSPECTOR'S WELL REPORT
DEPT. OF MINES

Permit No. 001-2004

Oil or Gas Well _____
(KIND)

Company J+J

Address _____

Farm Baughman

Well No. JK-836

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 _____

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 Culvert as per plan

6/25/84
DATE

R G Reese
DISTRICT WELL INSPECTOR

Form 26
2/16/82

RECEIVED
 JUN 10 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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: _____

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

_____ DISTRICT WELL INSPECTOR

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

RECEIVED
AUG 17 1984
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 001-2004

Oil or Gas Well _____
(KIND)

Company <u>J+J</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>BAUMAN</u>	16			Kind of Packer _____
Well No. <u>JIC-836</u>	13			
District _____ County <u>001</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: Check Rec: - Growth spotty NO Culvert
NO API 110

8/15/84
DATE

RG Beall 501
DISTRICT WELL INSPECTOR

Form 26
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:

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

DATE

_____ DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

RECEIVED
OCT 9 1984

Permit No. 001-2004

Oil or Gas Well
OIL & GAS DIVISION

		CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Company	<u>J & J</u>	Size			Kind of Packer
Address		16			
Farm		13			
Well No.	<u># J-836</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			
		_____ FEET _____ INCHES FEET _____ INCHES			

Drillers' Names _____

Remarks: Checked Re: - Cover Very Thin - No
Culvert on Ridge -

10/5/84
DATE

RLB
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	
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
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



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

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
April 23, 1984

RECEIVED
JUN 4 - 1985
OIL & GAS DIVISION
DEPT. OF MINES

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

PERMIT NO 001-2004 (12-08-83)
FARM & WELL NO Marie Baughman #JK-836
DIST. & COUNTY Philippi/Barbour

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

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

SIGNED *Paul Bell*

DATE 5-31-85

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

RECEIVED
MAY -1 1984

FERC-121

OIL & GAS DIVISION
DEPT. OF MINE

1.0 API well number: (If not assigned, leave blank. 14 digits.)	47 - 001 - 2004 - 0000				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	N/A Category Code			
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3891 feet				
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	J & J Enterprises, Inc. Name P.O. Box 697 Street Indiana Pa. 15701 City State Zip Code			009480 Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Philippi Field Name Barbour WV County State				
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number				
(c) Name and identification number of this well: (35 letters and digits maximum.)	JK-836				
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	N/A				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Tennessee Gas Pipeline Company Name			Buyer Code	
(b) Date of the contract:	Mo. Day Yr.				
(c) Estimated total annual production from the well:	Million Cubic Feet				
		(a) Base Price	(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.)	S/MMBTU	2.879	.278	---	3.157
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	2.879	.278	---	3.157
9.0 Person responsible for this application:	Richard J. Kline Name Secretary Signature 04-23-84 Date Application is Completed (412) 349-6800 Phone Number				

Agency Use Only
Date Received by Juris. Agency
MAY - 1 1984
Date Received by FERC

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 274.501. 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:

ABU 1 - YAM

DATE: **MAY 30 1984**

BUYER-SELLER CO

PARTICIPANTS:

WELL OPERATOR:

J & J Enterprises, Inc

FIRST PURCHASER:

Tennessee Gas Pipeline Co.

OTHER:

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

840501-103-001-2004

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

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM 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? _____
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? _____ Affidavit Signed _____
- 18-28. 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 Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily _____
- (9) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done _____
- 10-17. Is affidavit signed? _____ Notarized? _____
- Does official well record with the Department confirm the submitted information _____
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

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

Date April 23, 1984
Operator's Well No. JK-836
API Well No. 47 - 001 - 2004
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

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

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

LOCATION: Elevation 1710
Watershed Laurel Creek
District Phillippi County Barbour Quad Pestoville

GAS PURCHASER Tennessee Gas Pipeline Co.
ADDRESS P.O. Box 2511
Houston, Texas 77001

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

* * * * *

Date surface drilling was begun: March 23, 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 $Pf = Pwe^{AGLS}$
 $t = 60 + (0.0075 \times 5487) + 459.7 = 561$ $X = 53.35 \times 561 = 29929$ $= 0.000033$ $Pf = 1600 \times 2.72^{(0.000033)}$
 $(0.62) (4547) (0.9) = 1600 \times 2.72^{0.08} = 1600 \times 1.09$
Pf=1744 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 23 day of April, 1984, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 23 day of April, 1984.
My ~~XXXXXXXXXX~~ expires on the 23 day of January, 1988.
Commission

[NOTARIAL SEAL]

Vicki L. Vanderberg
Notary Public

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



Date April 23, 198

Operator's Well No. JK-836

API Well No. 47 - 001 - 200
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicant)

WELL OPERATOR J & J Enterprises, Inc.

DESIGNATED AGENT James R. Willett

ADDRESS Box 697

ADDRESS S. W. Jack Drilling Co.

Indiana, PA 15701

Box 48, Buckhannon, W. VA. 26201

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

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

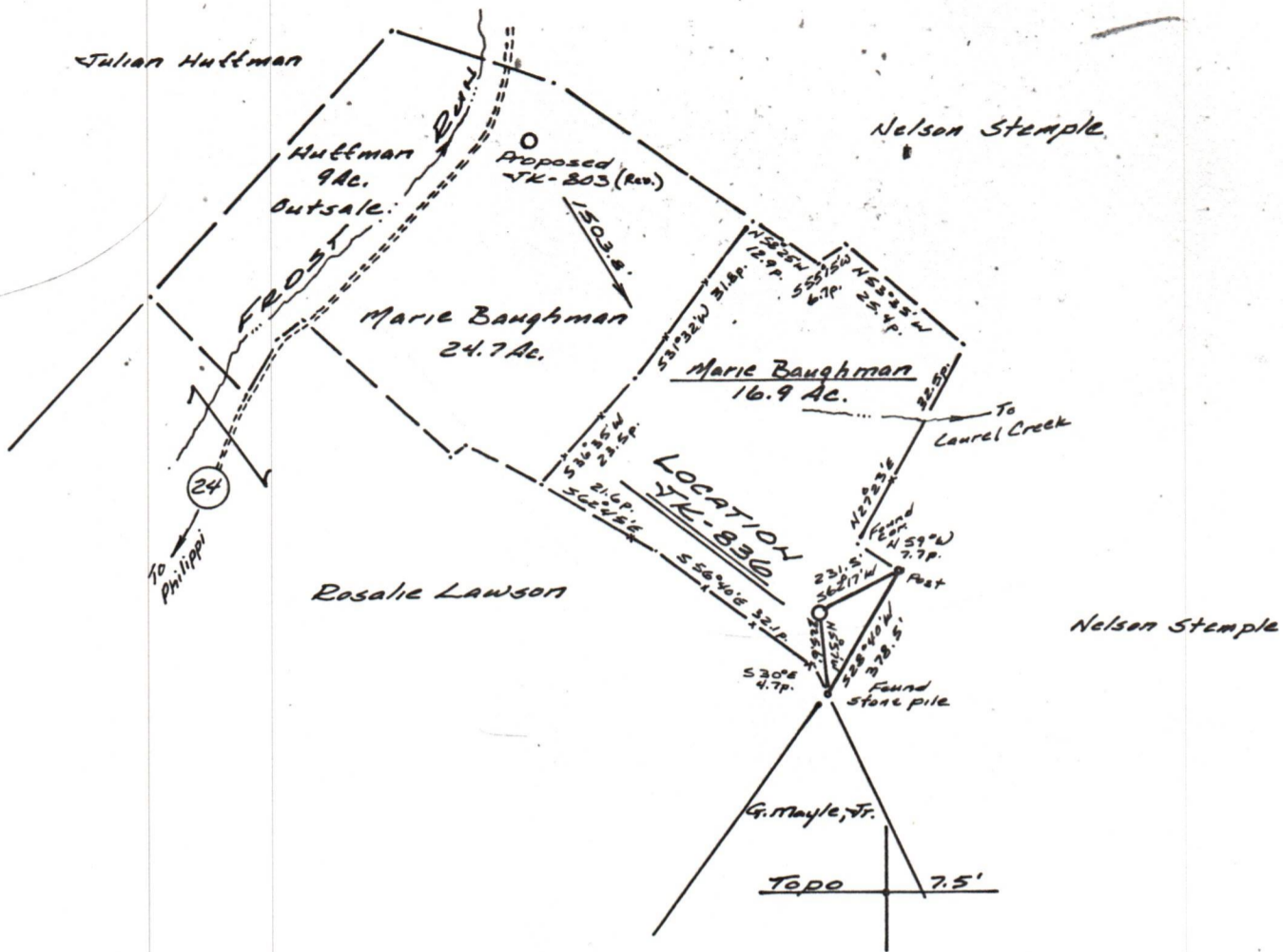
MAY - 1 1984

By [Signature]
Director

Date received by Jurisdictional Agency

Title _____

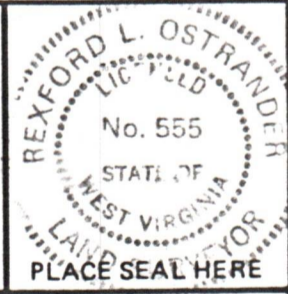
NORTH



FILE NO. 346.01
 DRAWING NO. 83-91
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION BM-1455'
1800' NW 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. Buckhannon L.L.S. 555



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE 4th November, 19 83
 OPERATOR'S WELL NO. YK-836
 API WELL NO. 47-001-2004
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1710' WATER SHED Laurel Creek
 DISTRICT Phillippi COUNTY Barbour
 QUADRANGLE Nestorville
 SURFACE OWNER Marie Baughman ACREAGE 16.9
 OIL & GAS ROYALTY OWNER Marie Baughman LEASE ACREAGE 41.6
 LEASE NO. YK-2

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

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Fox ESTIMATED DEPTH 5400'
 WELL OPERATOR JIT ENTERPRISES INC DESIGNATED AGENT RICHARD REDDECLIFF
 ADDRESS P.O. Box 48 ADDRESS P.O. Box 48
Buckhannon, W.Va. 26201 Buckhannon, W.Va. 26201