

[08-78]

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:  
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Co.  
Address P.O. Box 48  
Buckhannon W.V. 26201

GEOLOGICAL TARGET FORMATION, Haverty

Estimated depth of completed well, 5600 feet Rotary  Cable tools   
Approximate water strata depths: Fresh, 75 feet; salt, 1000 feet.  
Approximate coal seam depths: 200 Is coal being mined in the area: Yes  No

CASING AND TUBING PROGRAM

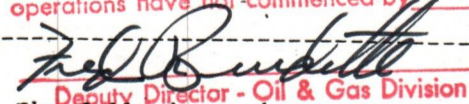
CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	X		30	30	0	Kinds
Fresh water	8 5/8	ERW	23	X		800	800	200sks	
Coal	8 5/8	ERW	23	X		800	800	200sks	Sizes
Intermediate									
Production Tubing	4 1/2	J-55	10.5	X		5550	5550	450sks	Depths set
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

**THIS PERMIT MUST BE POSTED AT THE WELL SITE**

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 11-30-81.

  
Deputy Director - Oil & Gas Division

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 receipt thereof:

W A I V E R

The undersigned coal operator            / owner            / 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:           , 19          

By             
Its

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Bogert #3  
API Well No. 47 - 0011533  
State County Per

WELL TYPE: Oil  / Gas   
(If "Gas", Production  / Underground storage  / Deep  / Shallow )  
LOCATION: Elevation: 1559 Watershed: Fords Run  
District: Philippi County: Barbour Quadrangle: Philippi

WELL OPERATOR J & J Enterprises, Inc.  
Address P.O. Box 48  
Buckhannon, WV 26201

DESIGNATED AGENT Roger Rolston  
Address Box 48  
Buckhannon W.V. 26201

OIL & GAS ROYALTY OWNER Bogert  
Address 17 Fairlawn Drive  
Buckhannon W.V. 26201

COAL OPERATOR Badger Coal Co  
Address Philippi W.V. 26416

ACREAGE 146  
SURFACE OWNER E. Kennedy  
Address Penn Ridge Rd.  
Philippi W.V.  
ACREAGE

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Bogert  
Address 17 Fairlawn Drive  
Buckhannon W.V. 26201

FIELD SALE (IF MADE) TO:  
Name unknown  
Address

RECEIVED  
MAR - 5 1981

COAL LESSEE WITH DECLARATION ON RECORD:  
Badger Coal Co  
Address Philippi W.V.

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Robert Stewart  
Address P.O. Box 345  
Jane Lew, WV 26378

OIL & GAS DIVISION  
DEPT. OF MINES  
RECEIVED  
MAR 24 1981

The undersigned well operator is authorized to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated Feb. 16, 1981, to the undersigned well operator from Sam P. Norris

[If said deed, lease, or other contract has been recorded:]  
Recorded on Feb. 23, 1981, in the office of the Clerk of the County Commission of Barbour County, West Virginia, in Deed Book 288 at page 180. A permit is requested as follows:

PROPOSED WORK; Drill  / Drill deeper  / Redrill  / Fracture or stimulate  /  
Plug off old formation  / Perforate new formation  /  
Other physical change in well (specify) \_\_\_\_\_

--planned as shown on the work order on the reverse side hereof.

The above 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.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO:  
WEST VIRGINIA OIL AND GAS  
CONSERVATION COMMISSION  
1615 WASHINGTON STREET EAST  
CHARLESTON, WV 25311  
TELEPHONE: (304) 348-3092

BLANKET BOND

J&J Enterprises Inc  
Well Operator  
By [Signature]  
Its [Signature]

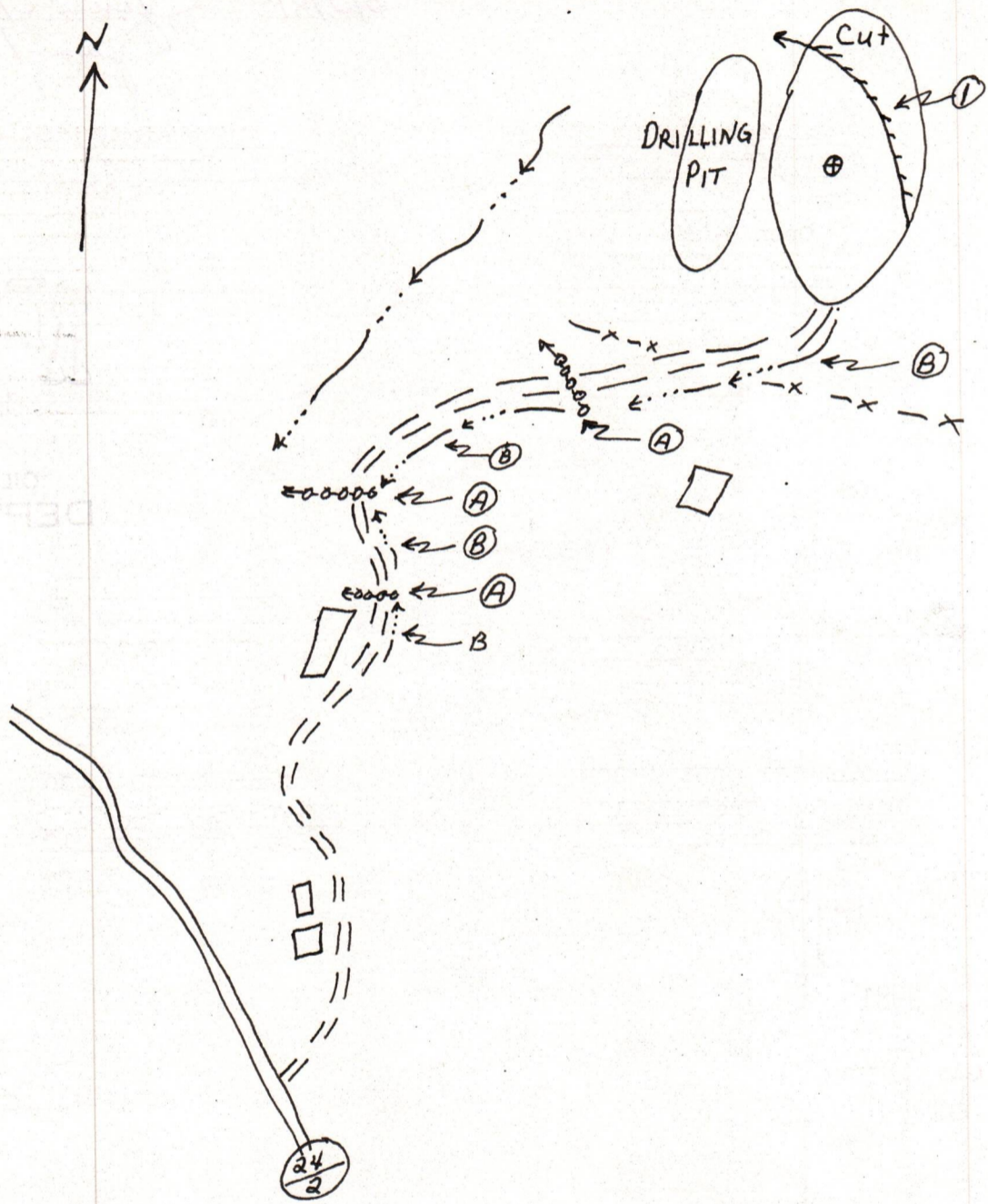
Well Site Plan

Legend:

- Property Boundry
- Road
- Existing Fence
- Planned Fence
- Stream
- Open Ditch

- Diversion
- Spring
- Wet Spot
- Building
- Drain Pipe
- Waterway

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

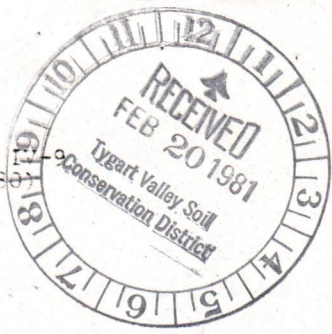


Comments: Cuts on 2:1 slope. Maintain ditches and culverts after completion.  
Road location subject to change. All trees 8" and up cut and stacked.

Signature: *Peter Battles* Box 48, Buckhannon, WV 26201 472-9403  
 Agent Address Phone Number

Peter Battles  
 Please request landowners cooperation to protect new seeding for one growing season.

Form 101-80



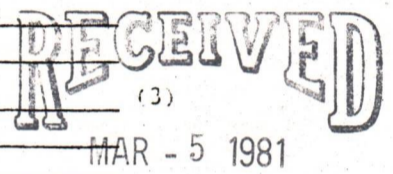
Date February 19 19 81  
Well No. Bogert # 3  
API No. 47 - 001 - 1533  
state County Permit

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name J & J Enterprises, Inc. Designated Agent H.L. Barnett  
Address Box 48, Buckhannon, WV 26201 Address Box 48, Buckhannon, WV 26201  
Telephone 472-9403 Telephone 472-9403  
Landowner E. Kennedy Soil Cons. District Tygarts Valley  
Revegetation to be carried out by Robert Rogers (Agent)

This plan has been reviewed by Tygarts Valley SO. All corrections and additions become a part of this plan. 3/2/81  
*Jean Freeman*  
*Jean Freeman*

Access Road	Location
Structure Culverts (A) Spacing 250' Page Ref. Manual I:8	Structure Diversion Ditch (1) Material Earthen Page Ref. Manual I:10
Structure Open Ditch (B) Spacing Page Ref. Manual	Structure (2) Material Page Ref. Manual
Structure (C) Spacing Page Ref. Manual	Structure (3) Material Page Ref. Manual

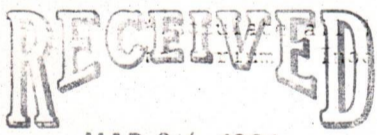


All structures should be inspected regularly and repaired if necessary.

OIL & GAS DIVISION  
DEPT. OF MINES

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 Kentucky 31 30 lbs/acre		Seed Kentucky 31 30 lbs/acre	
Birdsfoot Trefoil 10 lbs/acre		Birdsfoot Trefoil 10 lbs/acre	
Dom. Rye Grass 10 lbs/acre		Dom. Rye Grass 10 lbs/acre	



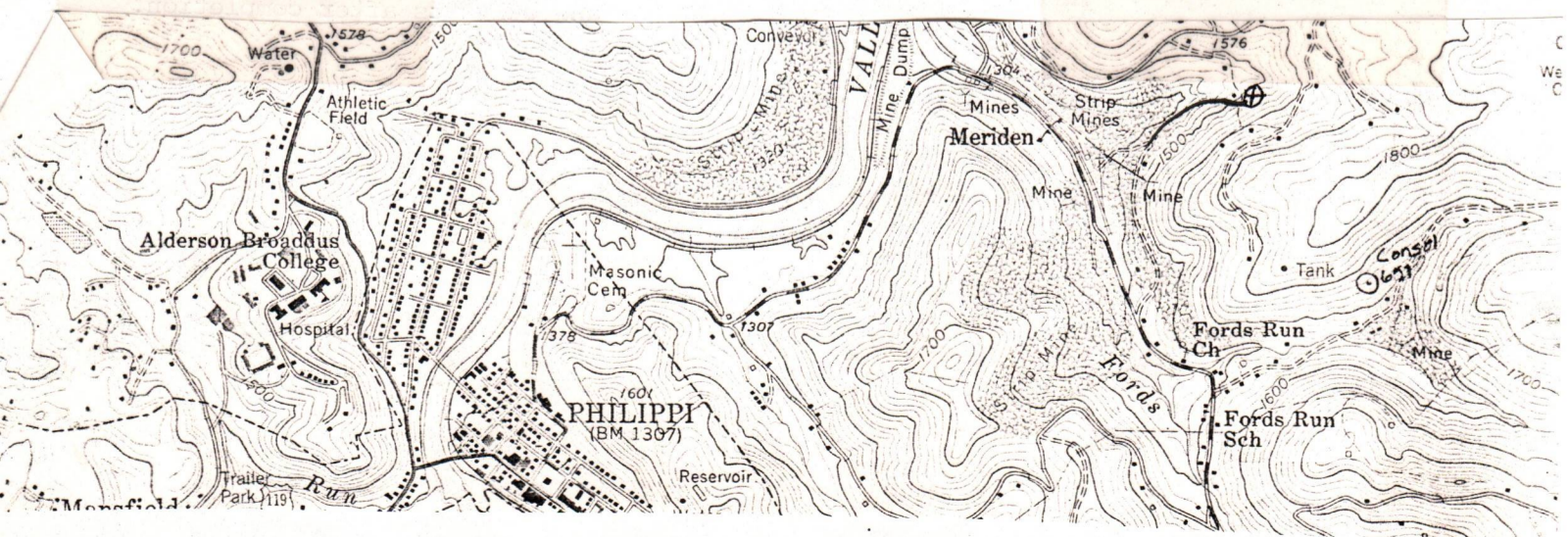
MAR 24 1981

Seeds such as vetch, trefoil and clovers with the proper amount of phosphate with 3X recommended amount.

OIL & GAS DIVISION  
DEPT. OF MINES

Attach a photocopy section of involved Topographic map. Quadrangle Philippi 7.5

Legend: Well Site  
 Access Road



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

Haverty: Perforations: 4813-4832(12 holes)

Fracturing: 100 sks. 80/100 sand: 300 sks. 20/40 sand: 250 gal. acid:350 Bbls. fluid.

Elks: Perforations: 4363-65(3 holes) 4520-4567 (7 holes)

Fracturing: 150 sks. 80/100 sand: 350 sks. 20/40 sand: 250 gal. acid:300 Bbls. fluid

Alexander: Perforations: 3836-3907 (12 holes)

Fracturing: 100 sks. 90/100 sand: 300 sks. 20/40 sand: 250 gal. acid: 352 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Shale			0	50	
Sand, shale & white shale			50	96	
Dark shale & coal			96	108	1/4" stream @ 60'
Sand			108	127	Gas ck @ 1196' No show
Dark shale & coal			127	138	Gas ck @ 1410 15/10-1/2" w/water
Sand & shale			138	310	7,291 cu.ft.
Coal			310	313	
Sand, shale & red rock			313	590	Gas ck @ 2116 10/10-1/2" w/water
Sand, shale & red rock			590	765	5,955 cu.ft.
Coal			765	769	
Sand, shale & red rock			769	960	Gas ck @ 2671 12/10-1/2" w/water
Little lime			960	995	6,521 cu.ft.
Big Lime			995	1140	
Injun			1140	1180	Gas ck @ 3564 13/10-1/2" w/water
Sand & shale			1180	2980	7,944 cu.ft.
Sand & shale			2980	3538	
Riley			3538	3553	Gas ck @ 3809 17/10-1/2" w/water
Shale..			3553	3836	7,997 cu.ft.
Alexander			3836	3907	
Shale			3907	4363	Gas ck @ 4638 17/10-1/2" w/water
Elks			4363	4567	7,997 cu.ft.
Shale & sand			4567	4813	
Haverty			4813	4832	Gas ck @ 5071 15/10-1/2" w/water
Shlae			4832	5348	7,291 cu.ft.
				T.D.	
					Gas ck @ 5348 10/10-1/2" w/water
					5,955 cu.ft.

(Attach separate sheets to complete as necessary.)

J&J Enterprises, Inc.

Well Operator

By

Its

NOTE: Regulation 2.02(d) 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."

# RECEIVED

OCT 25 1983

Date: 10/10, 19 83

Operator's Well No. Bogart # 3

API Well No. 47 - 001 - 1533  
State County Permit

OIL & GAS DIVISION STATE OF WEST VIRGINIA  
DEPT. OF MINES DEPARTMENT OF MINES, OIL AND GAS DIVISION

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: 1559 Watershed: Fords Run  
District: Philippi County: Barbour Quadrangle: Philippi

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

PERMITTED WORK: Drill X / Convert \_\_\_ / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_ /  
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON 3/30, 19 81 OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Robert Stewart  
Address P.O. Box 345  
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Haverty Depth 4813-32 feet  
Depth of completed well, 5348 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, 60 feet; salt, 0 feet.  
Coal seam depths: 96-108, 127-38, 310-13 Is coal being mined in the area? NO  
Coal seam depths: 763-69  
Work was commenced 5/24, 19 81, and completed 6/1, 1981

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.	Winds
Fresh water	85/8	ERW	23	X		818	818	350 sks.	
Coal	85/8	ERW	23	X		818	818	350 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	X		4905	4905	275 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									3836 3907
									4363 4365
									4520 4567
									4813 4832

OPEN FLOW DATA

Producing formation Haverty Pay zone depth 4813-32 feet  
Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Bbl/d  
Combined Final open flow, 40,000 cu. ft. Final open flow, \_\_\_ Bbl/d  
Time of open flow between initial and final tests, 96 hours  
Static rock pressure, 240 psig (surface measurement) after 4 hours shut in  
[If applicable due to multiple completion--] 3836-3907  
4363-4365  
Second producing formation Elks & Alexander Pay zone depth 4520-4567 feet  
Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Bbl/d  
Final open flow, \_\_\_ Mcf/d Final open flow, \_\_\_ Bbl/d  
Time of open flow between initial and final tests, \_\_\_ hours

Bottom Hole Pressure Static rock pressure, \_\_\_ psig (surface measurement) after \_\_\_ hours shut in  
Pf=PweXGLS

$$t=60+(0.0075 \times 4905) + 459.7 = 556 \quad X = 53.35 \times 550 = 29689 \quad = 0.0000337 \quad Pf = 240 \times 2.72 (0.000033) (.061)$$

$$(4334) (0.9) = 240 \times 2.72^{0.08}$$

Pf=240 x 1.08 =260

BAR. 1533

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

INSPECTOR'S WELL REPORT

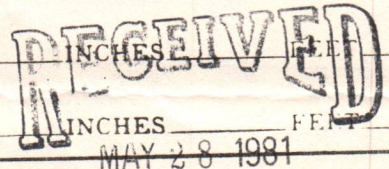
Permit No. 001-1533

Oil or Gas Well GAS

Company J&J Enterprises  
 Address Buck Hannon  
 Owner R. BOBERT  
 Well No. # 3  
 District Phillippi County BARBOUR  
 Drilling commenced 5-24-81  
 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	<u>11 3/4</u>	<u>161</u>	<u>175 SKS</u> Size of
8 1/4			
6 3/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 11 3/4 SIZE 161 No. FT. \_\_\_\_\_ Date 5-25-81  
 NAME OF SERVICE COMPANY HALLIBURTON  
 COAL WAS ENCOUNTERED AT 96 FEET 96 INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 MAY 28 1981



Drillers' Names Siwi Jack Rig-19

OIL & GAS DIVISION  
 DEPT. OF MINES

Remarks: Open mine @ 96-104 Run 11 3/4 BALANCE BOTTOM 80 FT Run BASKET & Fill TO TOP Will Run 8 7/8 & SURFACE cement

5-26-81  
 DATE

Robert Stewart 511  
 DISTRICT WELL INSPECTOR







State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305

June 27, 1985

Barton B. Lay Jr.  
Director

J & J Enterprises, Inc.  
P. O. Box 48  
Buckhannon, West Virginia 26301

Theodore M. Streit  
Administrator

In Re: PERMIT NO: 47-001-1533 ( 3-30-81)

FARM Bogert/ E. Kennedy

WELL NO: 3

DISTRICT: Philippe

COUNTY: Barbour

ISSUED: 3-30-81

Gentlemen;

The FINAL INSPECTION REPORT for the above captined well has been received in this office. Only the column checked below applies:

The well designated by the above permit number has been released under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

Theodore M. Streit, Administrator  
Office of Oil & Gas--Dept. Mines

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
FINAL INSPECTION REQUEST  
INSPECTOR'S COMPLIANCE REPORT

**RECEIVED**  
 JUN 19 1985  
 OIL & GAS DIVISION  
**DEPT. OF MINES**

Permit No. 001-1533  
 Company J & J Enterprises, Inc.  
 Inspector PHILLIP TRACY  
 Date November 1, 1983

County Barbour  
 District Philippi  
 Farm Bogert/E. Kennedy  
 Well No. 3 Issued 3-30-81

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"/>
16.03	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"/>
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"/>
23.03	Reclaimed drilling site	<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"/>
7.05	Identification markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

I have inspected the above well and have found it to be in compliance with the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia, and the well can be released from the permitted work.

SIGNED

*Phillip Tracy*

DATE:

6-12-85

**RECEIVED**

JUN 1 9 1982

DEPT. OF MINES  
OIL & GAS DIVISION

9222222222222222

W. H. Bell  
6-15-82

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:

*[Handwritten signature]*

EBER 1 NOV

FERC-121

1.0 API well number: (If not assigned, leave blank. 14 digits.)	<u>47 - 001 - 1533 - 0000</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>4832</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> Seiler 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>WV</u> State	
	<u>Barbour</u> County			
(b) For OCS wells:	<u>N/A</u> Area Name			
	Date of Lease:		Block Number	
	<u>  </u> Mo.	<u>  </u> Day	<u>  </u> Yr.	<u>  </u> OCS Lease Number
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>Bogart # 3</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>Consolidated Gas Supply Corp.</u> Name		<u>004228</u> <u>00428</u> Buyer Code	
(b) Date of the contract:	<u>  </u> 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 (-).]
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>2.825</u>	<u>.278</u>	<u>  </u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	<u>2.825</u>	<u>.278</u>	<u>3.103</u>
9.0 Person responsible for this application:	<u>Richard J. Kline</u> <u>Secretary</u> Name Title			
Agency Use Only	<u>Richard J. Kline</u> Signature			
Date Received by Juris. Agency	<u>10/31/83</u> Date Application is Completed			
Date Received by FERC	<u>(412) 349-6800</u> Phone Number			

**NOV 7 1983**

PARTICIPANTS:

DATE: FEB 8 1984

BUYER-SELLER CODE

WELL OPERATOR: J + J Enterprises, Inc.

009480

FIRST PURCHASER: Consolidated Gas Supply Corp.

004228

OTHER: \_\_\_\_\_

W. Va. Department of Mines, Oil & Gas Division  
 WELL DETERMINATION FILE NUMBER  
831107-103-001-1533  
 Use Above File Number on all Communications  
 Relating to Determination of this Well

*1500' Radius*

*Qualified*  
**APPROVED**  
 MAR 15 1984

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121  Items not completed - Line No. 7.0 x 8.0 c
- 2. IV-1 Agent James R. Willett
- 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: 5-24-81 Date completed 6-1-81 Deepened —
- (5) Production Depth: 4813-32, 4363-4567, 3836-3907
- (5) Production Formation: Haverty, ELKs \* Alexander
- (5) Final Open Flow: 40 MCF
- (5) After Frac. R. P. 240# 4 hrs.
- (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 Report
- (5) Oil Production: — From Completion Report —
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed?  Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information \_\_\_\_\_ Does computer program confirm? \_\_\_\_\_
- Was Determination Objected to \_\_\_\_\_ By Whom? \_\_\_\_\_

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

Date October 31, 1983

Operator's Well No. Bogart #3

API Well No. 47 - 001 - 1533  
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  
GAS PURCHASER Cons. Gas Supply Corp.  
ADDRESS Box 2450  
Clarksburg, W. VA.

LOCATION: Elevation 1559  
Watershed Fords Run  
Dist Phillippi County Bourbon Quad Phillippi  
Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: 5/24/81

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 static rock pressure, \_\_\_\_\_ psis (surface measurement) after \_\_\_\_\_ hours shut in  
Pf=pweXGLS  
 $t=60+(0.0075 \times 4905)+459.7=556$   $X=53.35 \times 550 = 29689$   $=0.0000337$   $Pf=240 \times 2.72 (0.000033) (.061)$   
Pf=240 x 1.08 =260

AFFIDAVIT

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

James H. McElwain

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

I, Vicki Vanderberg a Notary Public in and for the state and county aforesaid, do certify that J.H. McElwain, whose name is signed to the writing above, bearing date the 31 day of Oct, 1983, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 31 day of Oct, 1983. My ~~XXXXXX~~ expires on the 23 day of January, 1984.  
Commission

Vicki L. Vanderberg  
Notary Public  
VICKI L. VANDERBERG, NOTARY PUBLIC  
INDIANA BOROUG, INDIANA COUNTY  
MY COMMISSION EXPIRES JAN 23, 1984  
Member, Pennsylvania Association of Notaries



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

Date October 31 1983

Operator's Well No. Bogart # 3

API Well No. 47 - 001 - 1533  
State County Permit

STATE APPLICATION FOR WELL CLASSIFICATION

Previous File No. (If Applicable)

WELL OPERATOR J & J Enterprises, Inc.

DESIGNATED AGENT James R. Willett

ADDRESS Box 697  
Indiana, PA 15701

ADDRESS S. W. Jack Drilling Co.  
Box 48, Buckhannon, W. VA. 26201

Gas Purchase Contract No. \_\_\_\_\_ and Date \_\_\_\_\_  
(Month, day and year)

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

Name of First Purchaser Consolidated Gas Supply Corporation  
P. O. Box 2450  
(Street or P. O. Box)  
Clarksburg, W. VA. 26301  
(City) (State) (Zip Code)

FERC Seller Code 009480 FERC Buyer Code 004228

TYPE OF DETERMINATION BEING SOUGHT:

103 N/A

- (1) Initial determination (See FERC Form 121.) Section of NGPA 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 Phone Number  
Code

(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).  or 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 (NGPA).

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.

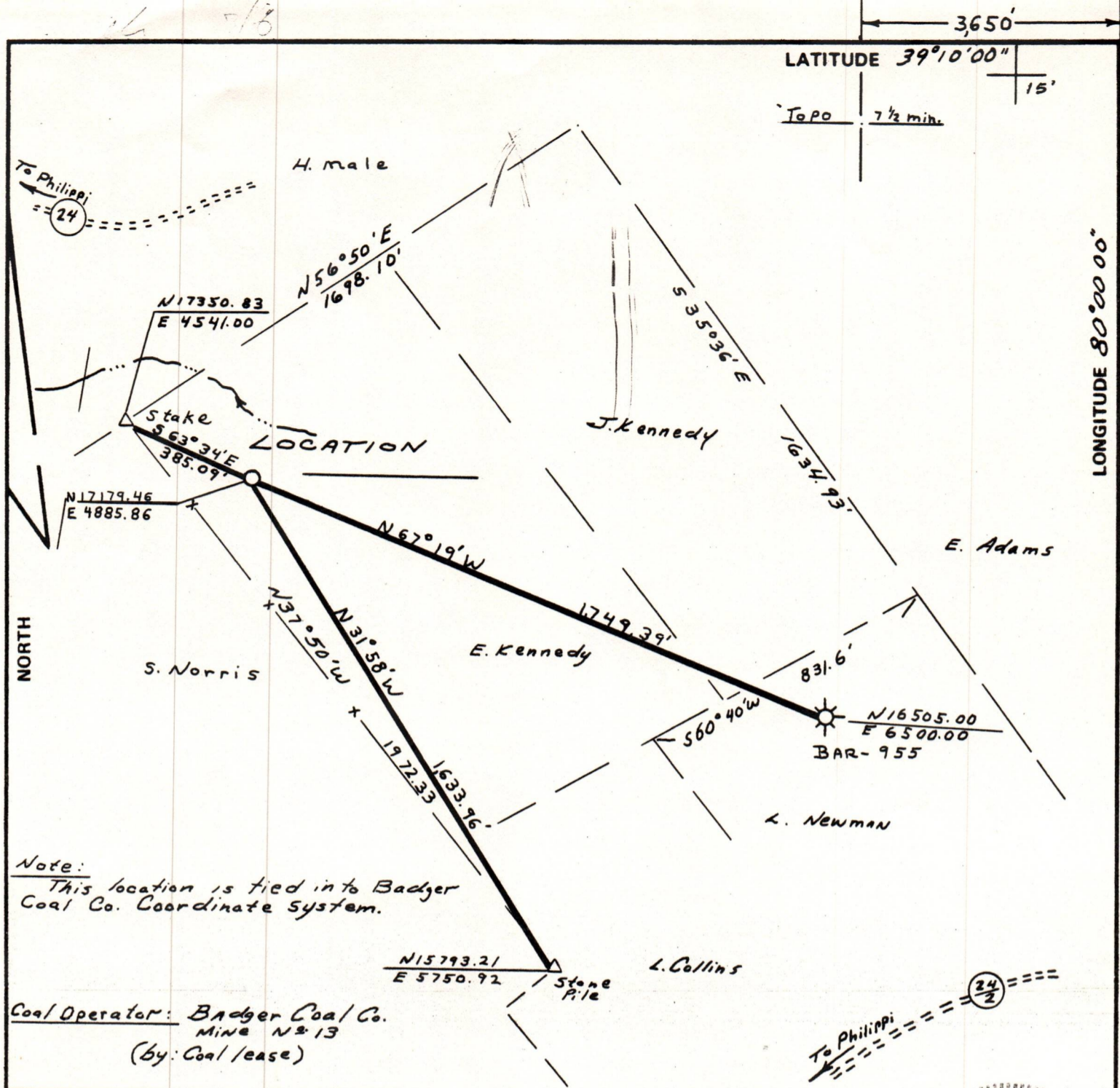
WEST VIRGINIA DEPARTMENT OF MINES

NOV 7 1983

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

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



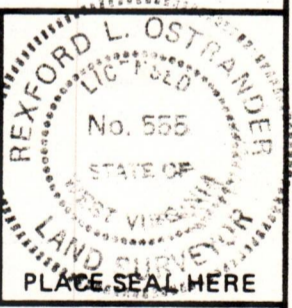


Note:  
This location is tied into Badger Coal Co. Coordinate System.

Coal Operator: Badger Coal Co.  
Mine N#13  
(by: Coal lease)

FILE NO. 346.01  
DRAWING NO. 81-6  
SCALE 1" = 400'  
MINIMUM DEGREE OF ACCURACY 1 in 2500  
PROVEN SOURCE OF ELEVATION Elev. 1792.2 @ Well # Bar-955.

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. \_\_\_\_\_ L.L.S. 555



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



DATE 18 February, 19 81  
OPERATOR'S WELL NO. Bogert #3  
API WELL NO. Kennedy #1  
47 - 001 - 1533  
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
(IF "GAS,") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1559' WATER SHED Fords Run  
DISTRICT Philippi COUNTY Barbour  
QUADRANGLE Philippi  
SURFACE OWNER E. Kennedy ACREAGE \_\_\_\_\_  
OIL & GAS ROYALTY OWNER Bogert LEASE ACREAGE 146 Ac.  
LEASE NO. Bogert #3  
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 Haverty ESTIMATED DEPTH 5600'  
WELL OPERATOR J&J Enterprises Inc. DESIGNATED AGENT Roger Rolston  
ADDRESS P.O. Box 48 ADDRESS P.O. Box 48  
Buckhannon W. Va. 26201 Buckhannon W. Va. 26201