

RECEIVED
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MAR 16 1984



1) Date: December 28, 1983
 2) Operator's Well No. Jordan # 1
 3) API Well No. 47 - 001 - 2052
 State County Permit

OIL & GAS DIVISION
DEPT. OF MINES

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

- 4) WELL TYPE: A Oil / Gas / B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: ~~1500~~ 1575' Watershed: Big Run
 District: Union County: Barbour Quadrangle: Century
- 6) WELL OPERATOR Johnson Energy Company
 Address Box 298
 Buckhannon, WV 26201
- 7) DESIGNATED AGENT Barbara Byrd
 Address Box 298
 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name Phillip Tracy
 Address General Delivery
 Ellamore, WV 26267
- 9) DRILLING CONTRACTOR:
 Name S.W. Jack Drilling Company
 Address P.O. Box 48
 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, Haverly
- 12) Estimated depth of completed well, 5500 feet
- 13) Approximate trata depths: Fresh, 65, 1770 feet; salt, 0 feet.
- 14) Approximate coal seam depths: 200-208 Is coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM

RECEIVED
JAN 18 1984
OIL & GAS DIVISION
DEPT. OF MINES

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1500	1500	To surface	NEAT Sizes
Coal	8 5/8	ERW	23	x		1500	1500	To surface	
Intermediate									
Production	4 1/2	J-55	10.5	x		5450	5450	325 sks.	Depths set
Tubing									OR AS REQ. BY RULE 15.01 Perforations: Top Bottom
Liners									

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-001-2052 Date May 10, 1984

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 10, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: Blawieck	Agent: MH	Plat: MW	Casing: MW	Fee: 300
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[Signature]
Administrator, Office of Oil and Gas

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

File

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



RECEIVED

OFFICE USE ONLY

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

1) Date: _____
 2) Operator's Well No: _____
 3) API Well No: _____ State: _____ County: _____

4) WELL LOCATION: District: _____ County: _____
 Elevation: _____
 B (H) Gas Production: _____
 Underground storage: _____
 Depth: _____

5) WELL OPERATOR: Name: _____ Address: _____
 Designated Agent: _____

6) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: _____ Address: _____
 General Delivery: _____

7) DRILLING CONTRACTOR: Name: _____ Address: _____
 Retail: _____ Stimulate: _____

8) PROPOSED WELL WORK: Drill: _____ deeper
 Plug old formation: _____
 Perform new formation: _____
 Other physical change in well (specify): _____

9) GEOLOGICAL TARGET FORMATION: _____
 Estimated depth of completed well: _____ feet
 Approximate true depth: _____ feet
 Approximate coal seam depth: _____ feet
 Is coal being mined in the area: Yes/No

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: _____

Inspector	Agent	Plat	Casing	Fee
Blair	MA	MA	MA	200

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

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>
John P. & Angelia B. Jordan Rt. # 1, Box 12 Volga, WV 26238	J&J Enterprises, Inc. Box 48 Buckhannon, WV 26201	1/8 of 100%	96	613
<i>J&J Enterprises, Inc.</i>	<i>JOHNSON ENERGY Co.</i>			<i>98 488</i>

1) Date: December 28, 1983
2) Operator's Well No. Jordan # 1
3) API Well No. 47 - 001-2052
State County Permit

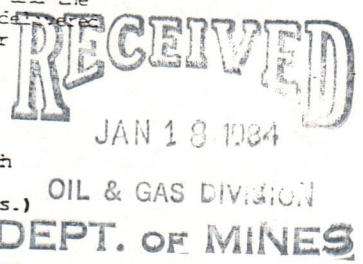
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

1) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name John P. Jordan
Address Rt. # 1, Box 12
Volga, WV 26238
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD
Name Anthony R. Martin
Address 3 Oakwood St.
Buckhannon, WV 26201
Name _____
Address _____
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
Barbara Byrd
this 29 day of December, 1983.
My commission expires 10/16, 1989.
Linda S. Carfield
Notary Public, _____ County,
State of West Virginia

WELL OPERATOR Johnson Energy Company
By x Barbara Byrd
Its Designated Agent
Address Box 298
Buckhannon, WV 26201
Telephone 472-0373



1) Date: December 28, 19 83
 2) Operator's Well No. Jordan # 1
 3) API Well No. 47 001
 State County Permit

FEB 9 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1575' Watershed: _____
 District: 157 County: Big Run Quadrangle: _____
- 6) WELL OPERATOR Johnson Energy Company 7) DESIGNATED AGENT Barbara Byrd
 Address Box 298 Address Box 298
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, _____
 12) Estimated depth of completed well, Haverty feet
 13) Approximate trata depths: Fresh, 5500 feet; salt, _____ feet.
 14) Approximate coal seam depths: 65, 1770 Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM 200-208

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				To surface	NEAT
Coal	8 5/8	ERW	23	x		1500	1500	To surface	
Intermediate						1500	1500		
Production	4 1/2	J-55	10.5	x					Depths set
Tubing						5450	5450	325 sks	229 BY RULE 15.01
Liners									Perforations:
									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

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

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

WAIVER

The undersigned coal operator _____ / owner Blasket / 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: 1-11, 19 84

By Anthony R. Martin
 Its Owner



1) Date: December 28, 1983
 2) Operator's Well No. Jordan # 1
 3) API Well No. 47 001
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1575' Watershed: _____
 District: 1580 County: Big Run Quadrangle: _____
- 6) WELL OPERATOR: Johnson Energy Company
 Address: Box 298
Buckhannon, WV 26201
- 7) DESIGNATED AGENT: Barbara Byrd
 Address: Box 298
Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED:
 Name: Phillip Tracy
 Address: General Delivery
Ellamore, WV 26267
- 9) DRILLING CONTRACTOR:
 Name: S.W. Jack Drilling Company
 Address: P.O. Box 48
Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, _____
- 12) Estimated depth of completed well, Haverty feet
- 13) Approximate strata depths: Fresh, 5500 feet; salt, _____ feet.
- 14) Approximate coal seam depths: 65, 1770 Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	11 3/4	B-40	42	x		30	0	0 sks.	
Fresh water	5 5/8	ERW	23	x		1500	1500	To surface	
Coal	5 5/8	ERW	23	x		1500	1500	To surface	
Intermediate									
Production	4 1/2	J-55	10.5	x		5450	5450	325 sks.	
Tubing									
Liners									

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 OIL & GAS DIVISION
 DEPT. OF MINES

The law requires a comment period for surface owners. However, the permit can be issued in less than 15 days from the filing of the Application if the surface owner(s) of record sign(s) the following "Voluntary Statement of No Objection" on a facsimile of this surface owner's copy of the Application.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.
 I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)
 NAME: _____
 By _____
 Its _____ Date _____

(For execution by natural persons)
John Jordan Date: 3/15/84
 (Signature)
Angela B. Jordan Date: 3/15/84
 (Signature)

**INSTRUCTIONS TO SURFACE OWNERS
AND
EXPLANATION OF METHODS AND TIME LIMITS TO COMMENT
ON OIL AND GAS WELL WORK PERMIT**

The well operator named in the Notice and this Application and the attached materials is applying for a permit from the State to do oil or gas well drilling or other well work. You are being served with these materials because surface owners have the right to file comments before the permit is issued. (NOTE: If the surface tract is owned by more than three persons, in multiple heirship for example, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22, Article 4 of the W. Va. Code. Permits are valid for 24 months.

If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator named in the materials and the Administrator of the Office of Oil and Gas in the West Virginia Department of Mines immediately.

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

Where to file comments and obtain additional information:

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

Who may file comments? If you wish to file comments, you must be an owner of record of (1) an interest in the surface tract on which the well already is or is about to be located, or (2) an interest in any other surface tract under the same oil or gas lease which will be utilized for roads or other land disturbances.

Time limits for comments. The law requires these materials to be delivered on or before the date the operator files his Application. You have **FIFTEEN (15) DAYS** after the filing date to file your comments as provided in **Methods for Filing Comments** below. You may call the Administrator's office at the above telephone number to be sure of the date. However, if you have been contacted by the well operator, and if you have signed a "voluntary statement of no objection" to any of the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number, and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Methods for filing comments. Comments must be filed in person or received in the mail at the Administrator's office by the time stated above. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling.

The Administrator for Oil and Gas has the power to deny or condition a well work permit based on your comments on the following grounds:

- "(1) The proposed well work will constitute a hazard to the safety of persons; or
- "(2) The plan for soil erosion and sediment control is not adequate or effective; or
- "(3) Damage would occur to publicly owned lands or resources; or
- "(4) The proposed well work fails to protect fresh water sources or supplies."

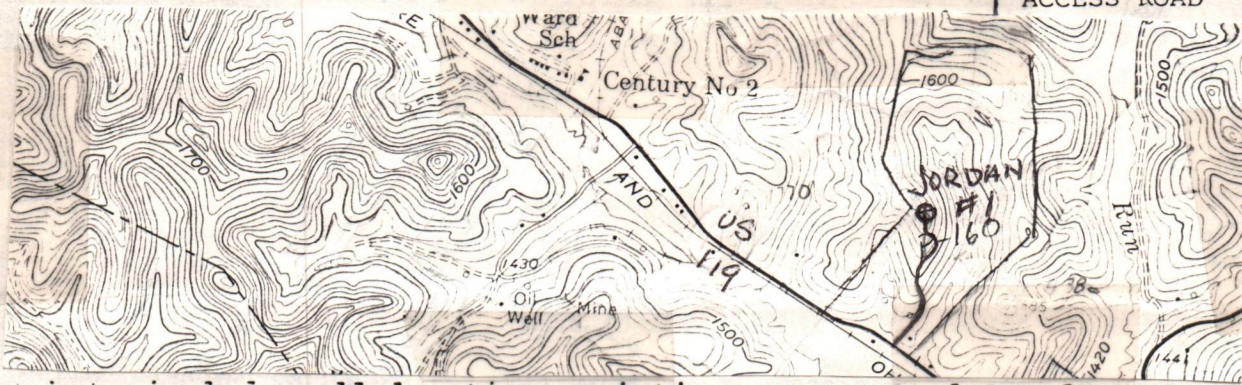
If you want a copy of the permit as it is finally issued, or a copy of the order denying the permit, you should request a copy from the Administrator.

List of Water Testing Laboratories. The Administrator maintains a list of water testing laboratories which you can hire to test your water to establish water quality prior to and after drilling. Contact the Administrator's office or an Oil and Gas Inspector to obtain a copy of the list.

LEGEND


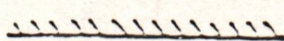


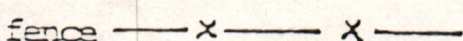

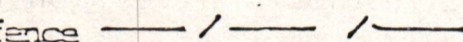

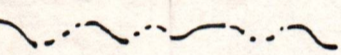
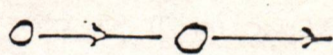

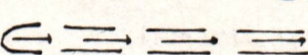
WELL SITE 

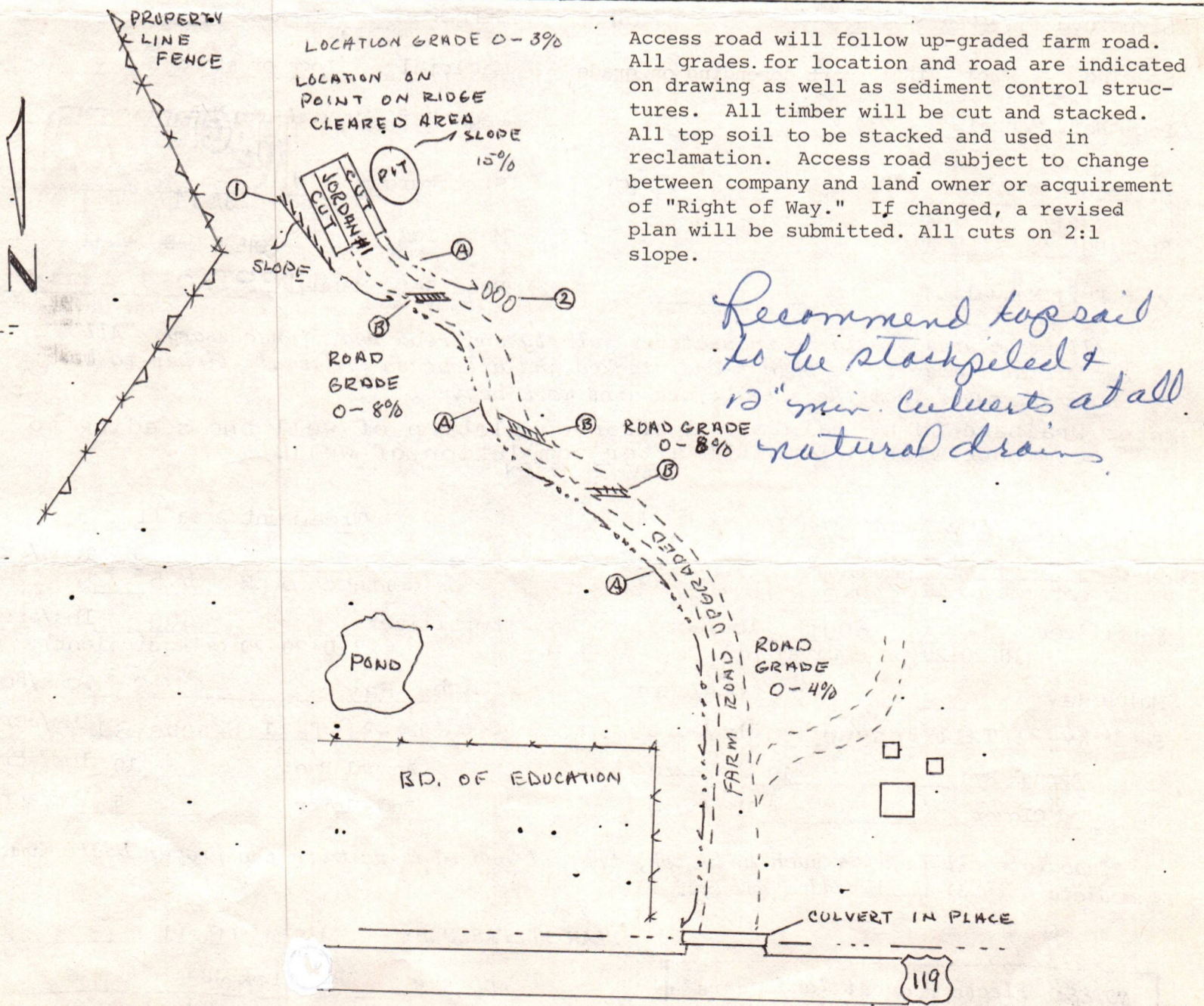
ACCESS ROAD 



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

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



Access road will follow up-graded farm road. All grades for location and road are indicated on drawing as well as sediment control structures. All timber will be cut and stacked. All top soil to be stacked and used in reclamation. 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 top soil to be stockpiled & 12" min. culverts at all natural drains



DATE 12/27/83
WELL NO. Jordan # 1
API NO. 47 - 001 -

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

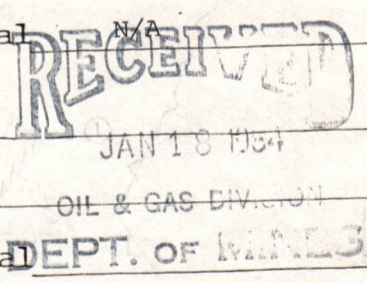
COMPANY NAME Johnson Energy Company
Address Box 298
Telephone Buckhannon, WV 26201
LANDOWNER John P. Jordan Rt. # 1 Box 12
Volga, WV 26238

DESIGNATED AGENT Glenn Johnson
Address P.O. Box 298, Buckhannon, WV
Telephone 472-0373 26201
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: 1/2/84
(Date)
Jean Freeman
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>To be constructed along road</u>	Material <u>soil</u>
Page Ref. Manual <u>2-10</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Cross Relief Drains</u> (B)	Structure <u>Rip-Rap</u>
Spacing <u>40' - 150' apart depending on grade</u>	Material <u>Logs or stone</u>
Page Ref. Manual <u>2:4</u>	Page Ref. Manual <u>N/A</u>
Structure _____ (C)	Structure _____
Spacing _____	Material _____
Page Ref. Manual _____	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

Lime 3 Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch Hay 2 Tons/acre
Seed* Ky-31 Tall Fescue 30 lbs/acre
Annual Rye 10 lbs/acre
Red Clover 5 lbs/acre

Treatment Area II

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

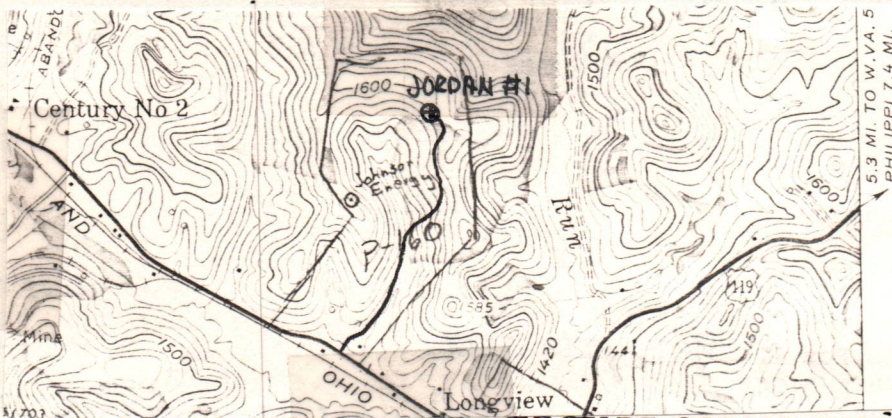
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as...

LEGEND

WELL SITE



ACCESS ROAD



Sketch

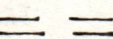
location, existing access road, roads to be constructed, well drilling pits and necessary structures numbered or lettered to correspond with the part of this plan. Include all natural drainage.

LEGEND

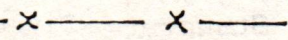
Property boundary



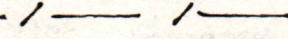
Road



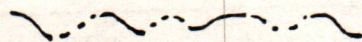
Existing fence



Planned fence



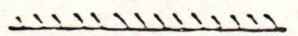
Stream



Open ditch



Diversion



Spring



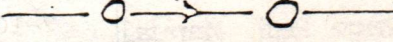
Wet spot



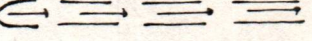
Building



Drain pipe



Waterway



All top soil will be stacked, to be used in reclamation. Access road will follow up-graded existing road to the location. 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.

LOCATION IN BRUSHY AREA

LOCATION ON BENCH

LOCATION GRADE 0-4%

GAS LINE

LINE MARKER FLAGGED

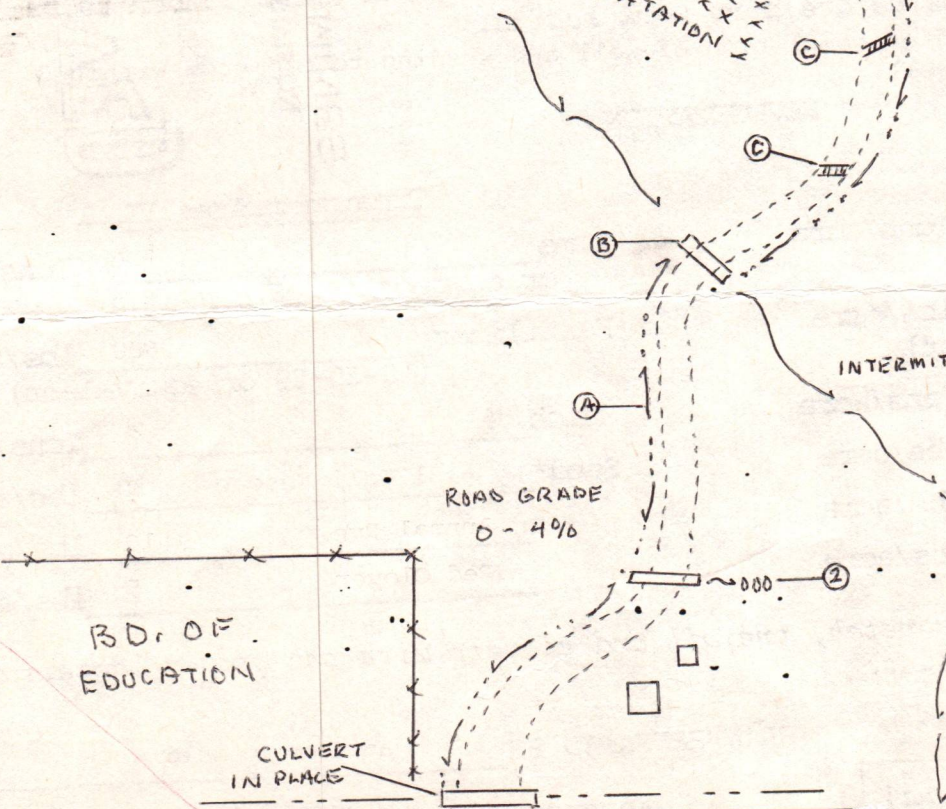
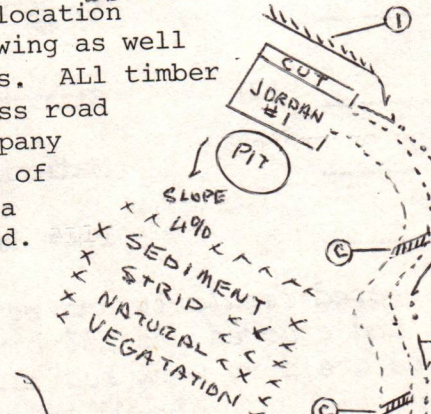
ROAD GRADE 0-10%

INTERMITTENT DRAIN IN HOLLOW

ROAD GRADE 0-4%

BD. OF EDUCATION

CULVERT IN PLACE



State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Johnson Energy Company
Address P.O. Box 298 Buckhannon, WV 26201
Telephone 472-0373
DESIGNATED AGENT Richard Reddecliff
Address P.O. Box 48 Buckhannon, WV
Telephone 472-9403
LANDOWNER John P. Jordan Rt. # 1, Box 12
Volga, WV 26238
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: 3-6-84 (Date)
Junior Redick (SCD Agent)

ACCESS ROAD	LOCATION
Structure Drainage Ditch (A) Spacing To be constructed along road (inside cuts) Page Ref. Manual 2-12	Structure Diversion Ditch (C) Material Soil Page Ref. Manual 2-12
Structure Road Culverts (B) Spacing Min Size 15" Page Ref. Manual 2:8	Structure Rip-Rap Material Logs w/stone Page Ref. Manual N/A
Structure Cross Drains (C) Spacing 40' - 250' apart depending on grade Page Ref. Manual 2:4	Structure Material 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

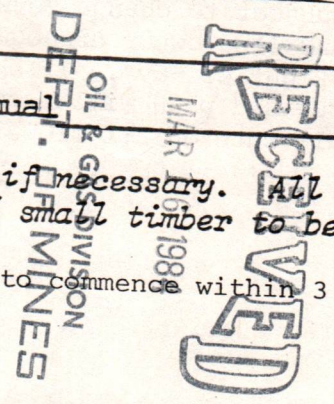
Treatment Area I	
Lime	3 Tons/acre
or correct to pH	6.5
Fertilizer	600 lbs/acre
(10-20-20 or equivalent)	
Mulch HAY	2 Tons/acre
Seed* Ky - 31 Tall Fescue	30 lbs/acre
Annual Rye	10 lbs/acre
Red Clover	5 lbs/acre

Treatment Area II	
Lime	3 Tons/acre
or correct to pH	6.5
Fertilizer	600 lbs/acre
(10-20-20 or equivalent)	
Mulch HAY	2 Tons/acre
Seed* Ky - 31 Tall Fescue	30 lbs/acre
Annual Rye	10 lbs/acre
Red Clover	5 lbs/acre

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

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

PLAN PREPARED BY Ed Summerfield
ADDRESS P.O. Box 48
Buckhannon, WV 26201
PHONE NO. 472-9403



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

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

(i) Name John P. Jordan
 Address Rt. # 1, Box 12
Volga, WV 26238
 (ii) Name _____
 Address _____
 (iii) Name _____
 Address _____

5(i) COAL OPERATOR

Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD

Name Anthony R. Martin
 Address 3 Oakwood St.
Buckhannon, WV 26201

Name _____
 Address _____

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 PERSON 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) DEPORTATION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

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

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

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

Barbara Byrd

this 29 day of December, 1983.

My commission expires 10/16, 1989.

Linda S. Casfield
 Notary Public, Under County,
 State of West Virginia

WELL

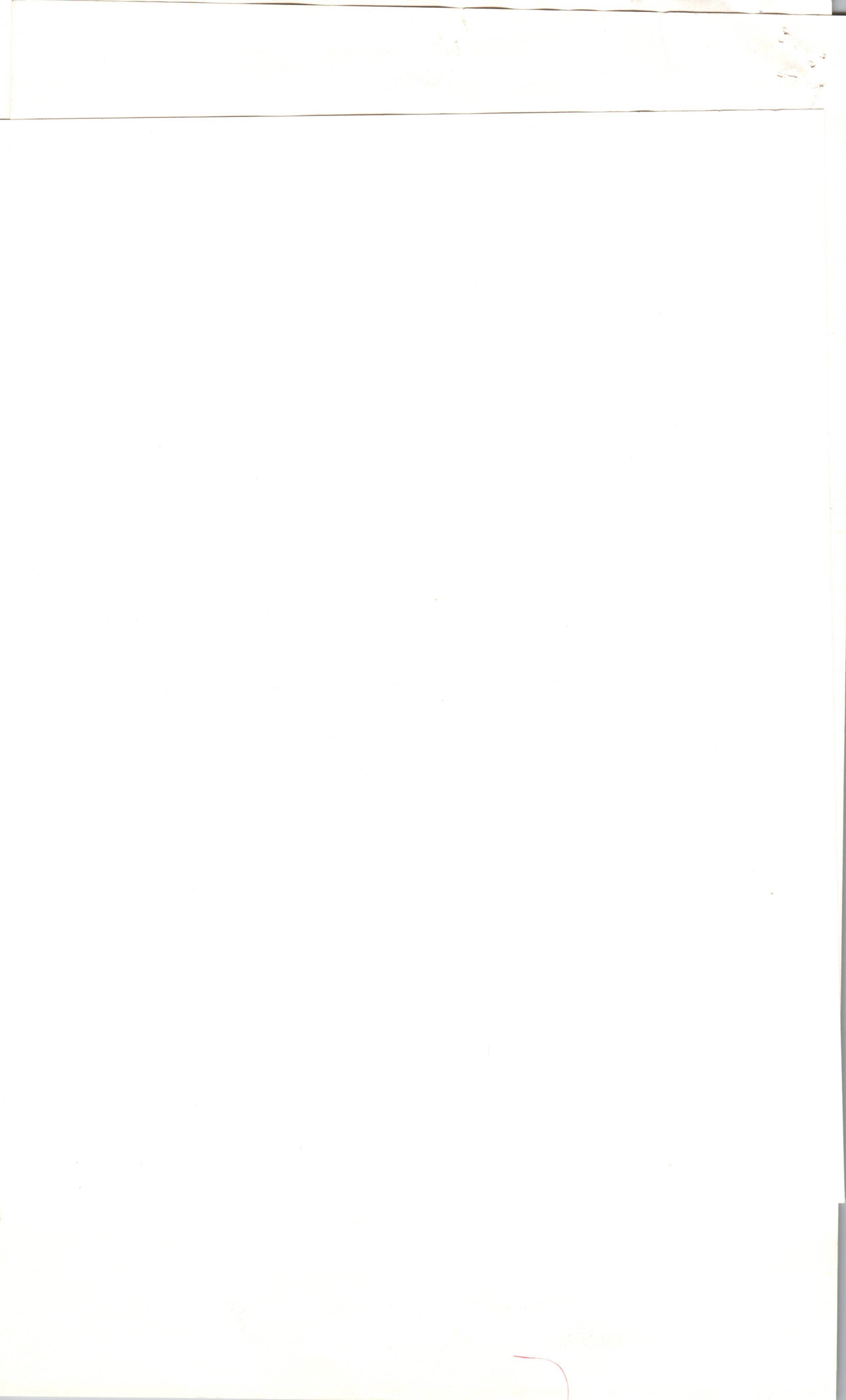
OPERATOR Johnson Energy Company

By x Barbara Byrd

Its Designated Agent

Address Box 298
Buckhannon, WV 26201

Telephone 472-0373



AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF W. Virginia,
COUNTY OF Barbours :

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

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

--all with respect to operator's Well No. Jordan #1 located in Union District, Barbours County, West Virginia, upon the person or organization named--

John Jordan

--by delivering the same in Barbours County, State of W. Va on the 15 day of March, 1984 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[] Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[] Handing it to a member of his or her family above the age of 16 years named _____ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[] Handing it to _____, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[] Handing it to the general partner, named _____, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[] Handing it to the corporation's employee / officer / director / attorney in fact / named _____.

Edward J. Smalls
(Signature of person executing service)

Taken, subscribed and sworn before me this 15th day of March, 1984.
My commission expires October 16, 1989.

Linda S. Corfield
Notary Public

[08-78]

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

June 19, 1984

Water/Frac Stimulation
80/100 Sand) 10,000 Lbs.
20/40 Sand)
W-912 Gel 1450 Lbs.

Shot 5700 - 5704
5374 - 5378
4294 - 4298

Acid 15% 800 Gal.
Hydraulic H. P. Used 1680

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay & Shale			0	3	
Shale			3	15	
Sandy Shale			15	35	
Shale			35	50	
White Sand			50	80	
Sandy Shale			80	140	
Shale and Red Rock			140	170	Hole Wet @ 170' 1/4" Stream Dry up when back in hole with 10 5/8" Bit
Sand & Shale			170	225	
Shale & Red Rock			225	260	
Sand			260	285	
Shale			285	360	
Sandy			360	445	
Shale			445	470	
Sand & Shale			470	500	
Sand			500	535	
Shale			535	550	
Sand			550	585	
Shale			585	645	
Sand			645	685	
Shale			685	716	
998 Coal			716	720	
Shale			720	725	
Sand			725	770	Damp @ 730' - Put soap pump on hole @ 760'
Sandy Shale			770	785	
Sand			785	820	
Sandy Shale			820	845	
Shale			845	910	
Sand & Shale			910	1005	
Shale & Red Rock			1005	1065	
Sand & Shale			1065	1165	
Black Shale			1165	1195	
Sand & Shale			1195	1225	
Sand			1225	1255	

(Attach separate sheets to complete as necessary) (CONTINUED TO SECOND PAGE)

GLENN H. JOHNSON
DBA JOHNSON ENERGY CO.

Well Operator

By Barbara Byers
Its DESIGNATED AGENT

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 DIVISION

Date July 25, 1984

FORM IV-35
(Obverse)

Operator's Well No. Jordan #1

[08-78]

WELL OPERATOR'S REPORT
OF

API Well No. 47 - 001 - 2052
State County Permit

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1575' Watershed: Big Run
District: Union County: Barbour Quadrangle: Century

WELL OPERATOR Glenn H. Johnson DESIGNATED AGENT Barbara Byrd
DBA Johnson Energy Co.
Address P. O. Box 298 Address P. O. Box 298
Buckhannon, WV 26201 Buckhannon, WV 26201

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

PERMIT ISSUED ON May 10, 1984

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Phillip Tracy
Address General Delivery
Ellamore, WV 26267

GEOLOGICAL TARGET FORMATION: Haverty Depth 5500 feet
Depth of completed well, 5926 feet Rotary / Cable Tools
Water strata depth: Fresh, 170 feet; salt, 898 feet.
Coal seam depths: 1800 Is coal being mined in the area? No
Work was commenced June 2, 1984, and completed June 9, 1984

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		
Casing	11 3/4			X		38'	0	Kinds
Casing	8 5/8			X		1958.90'	1958.90'	400 Sacks
Casing	4 1/2		10.5	X		5794'	5794'	200 Sacks
Intermediate								
Production								Depths set
Tubing								
Liners								Perforations:
								Top Bottom

RECEIVED
JUL 26 1984
OIL & GAS DIVISION
DEPT. OF MINES

OPEN FLOW DATA

Producing formation Haverty-Elk-Benson Pay zone depth 5790 feet
Gas: Initial open flow, 250,000 Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 133,000 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, 4 hours
Static rock pressure, 1100 psig (surface measurement) after 24 hours shut in
[If applicable due to multiple completion--]
Second producing formation _____ Pay zone depth _____ 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
Static rock pressure, _____ psig (surface measurement) after _____ hours shut in

Pg. 2

001-2052

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

Johnson Energy Co.
Jordan #1
47-001-2052

WELL LOG

(CONTINUED FROM FIRST PAGE)

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks
					Including indication of all fresh and salt water, coal, oil and gas
Sandy Shale			1255	1315	
Sand			1315	1320	
Shale & Red Rock			1320	1340	
Sand			1340	1345	
Red Rock & Shale			1345	1375	
Sand			1375	1475	
Red Rock			1475	1530	
L. Lime			1530	1545	
Shale & Red Rock			1545	1570	
Big Lime			1570	1715	
Red Rock & Shale			1715	1720	
Liney Sand			1720	1785	
Sandy Shale			1785	1915	
Gantz			1915	1950	
Sandy Shale			1950	1975	
White Sand			1975	2000	
Shale			2000	2050	
Sand			2050	2160	
Sandy Shale			2160	2200	
Shale			2200	2260	
Sand & Shale			2260	2385	
Sand Lt. Brown			2385	2420	
Sand & Shale			2420	2650	Check Gas @ 2643' No Show
Lt. Brown Sand			2650	2705	
Sand & Shale			2705	3725	Check Gas @ 3157' No Show
Sandy			3725	3760	Check Gas @ 3638' No Show
Sand & Shale			3760	3835	
Sand Gray			3835	3920	
Brown Sand			3920	3960	
Sand & Shale			3960	4290	Check Gas @ 4047' No Show
Benson Sand			4290	4310	
Sand			4310	4350	
Sandy Shale			4350	5040	Check Gas @ 4401' No Show
Sandy			5040	5170	Check Gas @ 4911' No Show
Shale			5170	5610	Check Gas @ 5454' No Show
Sandy (Haverly)			5610	5670	
Brown Shale			5670	5926	

T. D.
Check Gas @ 5711 14/10-1" F.M.
w/WaterCheck Gas after Run 4½" Casing
40/10-1" F.M. w/Water

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."

RECEIVED

JUL 26 1984

OIL & GAS DIVISION
DEPT. OF MINES

13 MAR 2052

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
Oil or Gas Well
(KIND)

Permit No. 001-2052

Company Johnson Energy
 Address _____
 Farm John Jordan
 Well No. 1
 District Union County Bohler
 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			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: Moving rig

6-1-84
DATE

Phillip Droy
DISTRICT WELL INSPECTOR

FORM 20
2/16/82

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

INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location			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
MAY 16 1984

INSPECTOR'S WELL REPORT OIL & GAS DIVISION
DEPT. OF MINES
Oil or Gas (KIND)

Permit No. 601-2052

Company Alan Johnson
 Address _____
 Farm _____
 Well No. _____
 District _____ 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: String Soaker

5-11-84
DATE

Philip Long
DISTRICT WELL INSPECTOR

6/8/84
DATE

Russell G. Beard (501)
DISTRICT WELL INSPECTOR

Form 26
2/16/82

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

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



RECEIVED
OCT 19 1984

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

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
August 16, 1984

COMPANY Johnson Energy Company

PERMIT NO 001-2052

P. O. Box 298

FARM & WELL NO John Jordan #1

Buckhannon, West Virginia 26201

DIST. & COUNTY Union/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 James H. Beale

DATE 10/16/84

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. v. B.
Administrator-Oil & Gas Division

DEcember 17, 1984

DATE

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

Date 08.29, 19 84

Operator's Well No. Jordan #1

API Well No. 47 - 001 - 2052
State County Permit

Previous File No. _____
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Glenn H. Johnson
DBA Johnson Energy Co.
ADDRESS P. O. Box 298
Buckhannon, WV 26201

DESIGNATED AGENT Barbara J. Byrd
ADDRESS P. O. Box 298
Buckhannon, WV 26201

Gas Purchase Contract No. GMA1-018 and Date 06 - 26 - 84
(Month, day and year)

Meter Chart Code _____

Name of First Purchaser CNG Development Company
P. O. Box 15746
Pittsburgh, Pa. 15244
(City) (State) (Zip Code)

FERC Seller Code 009787

FERC Buyer Code _____

TYPE OF DETERMINATION BEING SOUGHT

- (1) Initial determination (See FERC Form 121.) Section 103 of NGPA Category Code _____
- (2) Determination that increased production is the result of enhanced recovery technology
- (3) Determination of a seasonally affected well.

Glenn H. Johnson Operator
Name (Print) Title
Glenn H. Johnson
Signature
P. O. Box 298
Street or P. O. Box
Buckhannon WV 26201
City State (Zip Code)
(304) 472-0373
Area Code Phone Number

(Certificate of Proof of Service to Purchaser)

Copy sent 08/29/84

(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 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 of the date of this determination, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

RECORDED
AUG 30 1984

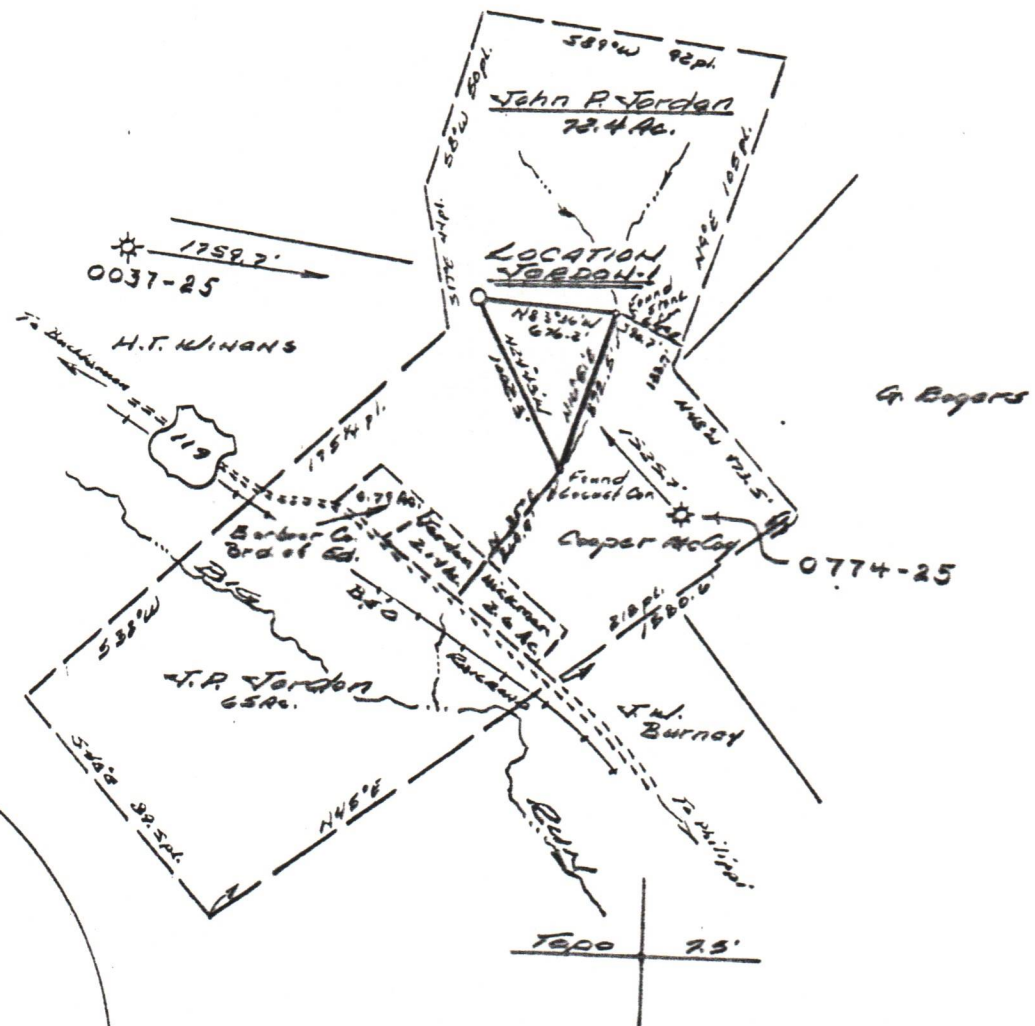
WEST VIRGINIA DEPARTMENT OF MINES

Director

Date 08.29.84
DEPT. OF MINES

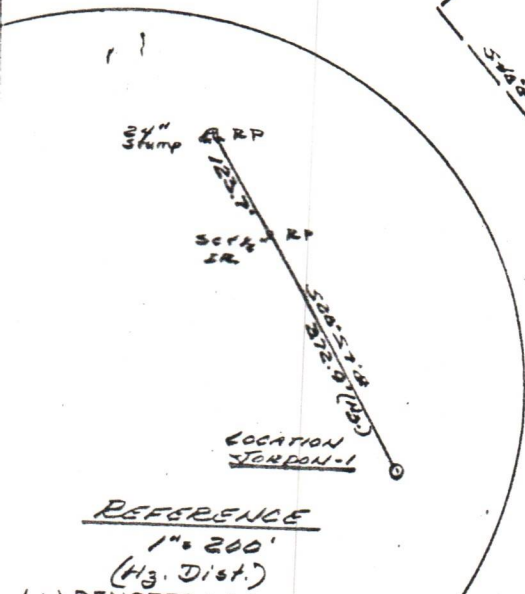
BY [Signature]
Title

Bethlehem Steel Co.



LONGITUDE 80°07'30"

NORTH



FILE NO. 346.01
DRAWING NO. 83-102
SCALE 1"=1000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION B.M. 1403' SE of location along Railroad.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Richard S. Ostrander
R.P.E. Buckhannon, WV L.L.S. 555

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE December 27 19 83
OPERATOR'S WELL NO. Jordan-1
API WELL NO.

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

47 - 001 -
STATE COUNTY PERMIT

LOCATION: ELEVATION 1580' WATERSHED Big Run
DISTRICT Union COUNTY Barbour
QUADRANGLE Century

SURFACE OWNER John R. and Angela B. Jordan
OIL & GAS ROYALTY OWNER John R. & Angela B. Jordan ACREAGE 78.4
LEASE ACREAGE 78.4
LEASE NO. Jordan

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 5500'
WELL OPERATOR Johnson Energy Company DESIGNATED AGENT Glenn Johnson
ADDRESS P.O. Box 298 ADDRESS P.O. Box 298
Buckhannon, West Va. 26201 Buckhannon, West Va. 26201



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

January 20, 1984

Barbara Byrd, Designated Agent
Johnson Energy Company
Box 298
Buckhannon, WV 26201

Re : Your well work permit application, Jordan #1, Union District, Barbour County

Dear Barbara Byrd

Per our telephone conversation this afternoon, I am enclosing your plat with notes for required additions.

I am also enclosing a copy of the letter of comment from the Jordans' attorney. I was unable to obtain a telephone number for the Jordans, and am requesting that our inspector, Mr. Phil Tracy make an inspection to determine the validity of the comment.

If I can be of further assistance, please feel free to call.

Sincerely

Margaret T. Hasse
Margaret T. Hasse
Petroleum Engineering Specialist

enclosures : as noted