



1) Date: April 29, 19 85  
 2) Operator's Well No. J-1194  
 3) API Well No. 47 - 095-1106  
 State County Permit

**RECEIVED**  
MAY 24 1985

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

APPLICATION FOR A WELL WORK PERMIT

OIL & GAS DIVISION

- 4) WELL TYPE: ~~Oil~~ ~~Mines~~ Gas  /  
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow  )
- 5) LOCATION: Elevation: 1177' / Watershed: Short Run 670  
 District: Centerville / County: Tyler / Quadrangle: West Union 7.5'
- 6) WELL OPERATOR J & J Enterprises, Inc. / 7) DESIGNATED AGENT Richard Reddecliff  
 Address P.O. Box 48 24130 / Address P.O. Box 48  
Buckhannon, WV 26201 / Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED / 9) DRILLING CONTRACTOR:  
 Name Robert Lowther / Name S.W. Jack Drilling Co.  
 Address General Delivery / Address P.O. Box 48  
Middlebourne, WV 26149 / Buakhannon, 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, Alexander
- 12) Estimated depth of completed well, 5600' feet
- 13) Approximate trata depths: Fresh, 150' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A 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		
Conductor	11 3/4	H-40	42	X		425' 30"	4250'	0 Sacks <u>TS by rule 15-05</u>
Fresh water	8 5/8	ERW	23	X		1777'	1777'	To Surface
Coal	8 5/8	ERW	23	X		1777'	1777'	To Surface
Intermediate								
Production	4 1/2	J-55	10.5	X		<del>5600'</del>	<del>5550'</del>	300 sacks
Tubing						5600'	5550'	or as required by rule 15-01
Liners								Perforations:
								Top Bottom

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-095-1106 / June 3 19 85  
 Date

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 June 3, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>82</u>	<u>AIB</u>	<u>MH</u>	<u>MH</u>	<u>1974</u>

Margaret J. Hesse  
 Administrator, Office of Oil and Gas

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



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OFFICE USE ONLY

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

Administrative fields for permit details including well location, operator information, contractor details, and proposed well work specifications.

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

Table with 2 columns: Date and Date(s). Rows include: Application received, Well work started, Completion of the drilling process, Well Record received, Reclamation completed.

OTHER INSPECTIONS

Reason:

Reason:

Handwritten table with columns for Name, Case, and Date. Includes handwritten entries like 'A/B' and '4/14/87'.



#2454

IV-9  
(Rev 8-81)

DATE April 17, 1985

WELL NO. J-1194

State of West Virginia  
Department of Mines  
Oil and Gas Division

API NO. 47 - 095 - 1106

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J ENTERPRISES, INC.

DESIGNATED AGENT RICHARD M. REDDECLIFF

Address P.O. BOX 48, BUCKHANNON, WV 26201

Address P.O. BOX 48, BUCKHANNON, WV 26201

Telephone 472 - 9403

Telephone 472 - 9403

LANDOWNER David Glasure

SOIL CONS. DISTRICT Upper Ohio

Revegetation to be carried out by \_\_\_\_\_

J & J ENTERPRISES, INC. (Agent)

This plan has been reviewed by Upper Ohio SCD. All corrections and additions become a part of this plan: 4-26-85 (Date)

Lloyd Rustin  
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>along inside rd. cuts</u>	Material <u>Earthen</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Road Culvert</u> (B)	Structure <u>Rip-Rap</u> (2)
Spacing <u>One 16" + minimum 12" on 18-20' grade (100') per 2-8</u>	Material <u>Logs &amp;/or Brush</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Cross Relief Drains</u> (C)	Structure _____ (3)
Spacing <u>as per table 1 in manual (2-4)</u>	Material _____
Page Ref. Manual <u>2-1</u>	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I

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

Treatment Area II

Lime	<u>3</u> Tons/acre
or correct to pH	<u>6.5</u>
Fertilizer	<u>600</u> lbs/acre
(10-20-20 or equivalent)	
Mulch Hay	<u>3</u> Tons/acre
Seed* Orchard Grass	<u>30</u> lbs/acre
Ladino Clover	<u>5</u> lbs/acre
Red Clover	<u>5</u> lbs/acre

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



PLAN PREPARED BY Smith Land Surveying Co. 12/29/2023

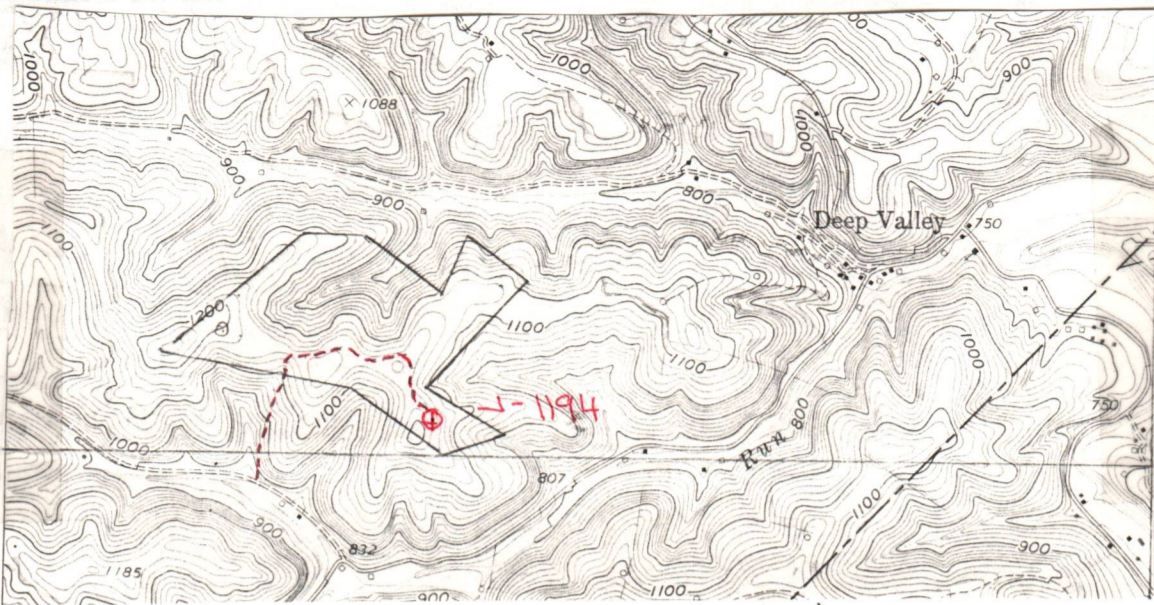
ADDRESS 111 South Street  
Glenville, WV 26351  
PHONE NO. 462 - 5634

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

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MAY 21 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

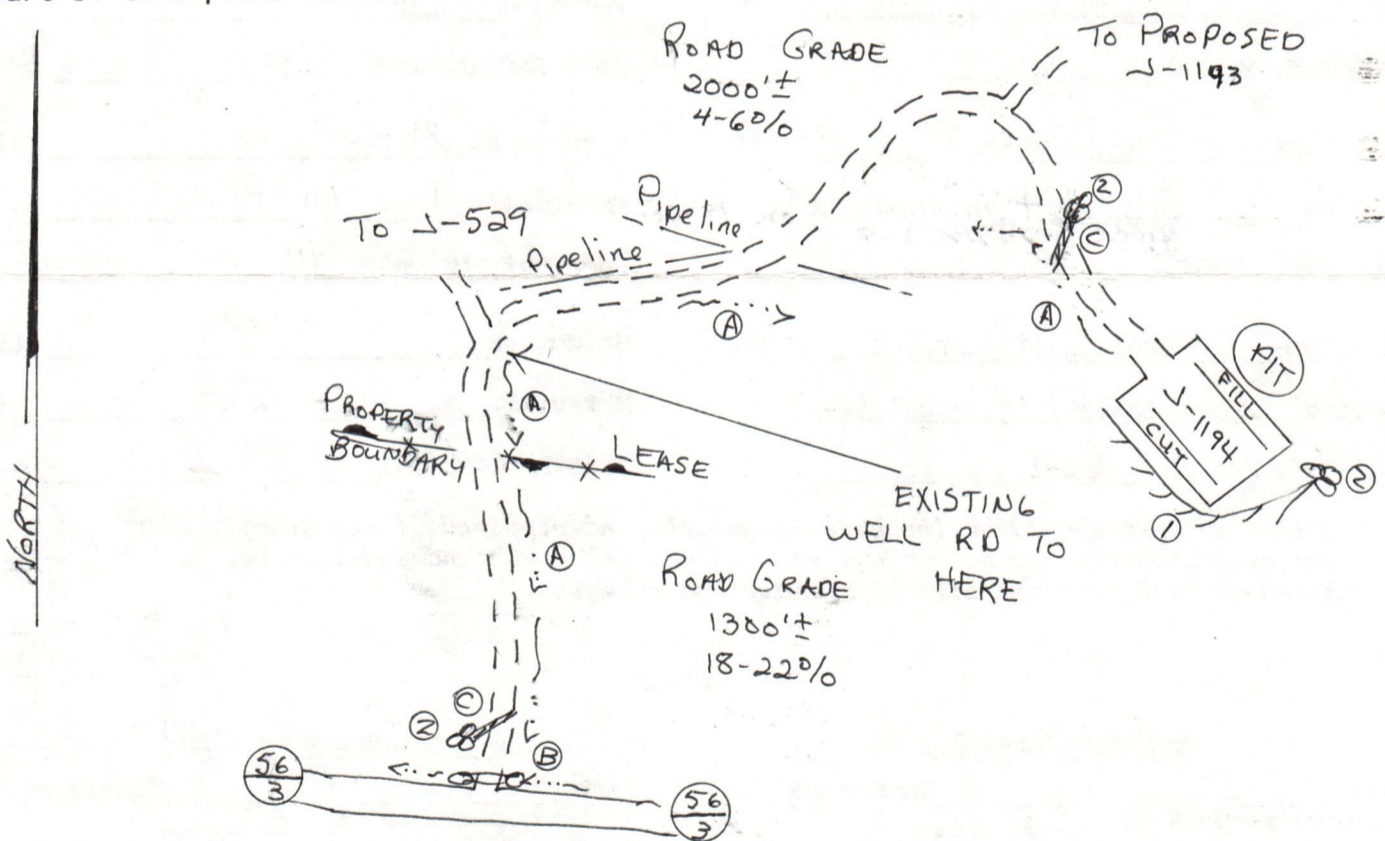
ATTACH OR PHOTOCOPY SECTION  
OF INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE West Union 7.5'

LEGEND  
WELL SITE  ACCESS ROAD 















WELL SITE PLAN

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



Drilling pit may vary in location other than that shown on this plan and/or other pits may be added due to soil type, newly discovered water systems, and the encounter of rock when building location. *with approval of Oil & Gas Inspector.*  
Access road subject to change between company and land owner, or requirement of right-of-way. If change is made, a revised reclamation plan will be submitted. All cuts 2:1 slope. All topsoil to be stockpiled and used in reclamation. All grades for roads and locations as well as sediment structures shown on drawing.

LEGEND		12/29/2023
DRAIN PIPE 	PROPERTY BOUNDARY 	
ROAD 	EXISTING FENCE 	
DIVERSION 	PLANNED FENCE 	
WATERWAY 	BUILDING 	
STREAM 	WET SPOT 	
OPEN DITCH 	SPRING 	

**SLS**  
SMITH LAND SURVEYING CO.  
111 SOUTH ST.  
GLENVILLE, WV. 26351

1) Date: April 29, 19 85  
2) Operator's Well No. J-1194  
3) API Well No. 47-095-1106  
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 David Glasure  
Address Rd. 1  
Mingo Junction, Ohio 43938  
(ii) Name \_\_\_\_\_  
Address \_\_\_\_\_  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR N/A  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name N/A  
Address \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name N/A  
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

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 29 day of April, 1985.  
My Commission expires 12/1/92, 1992.

Gregory A. Smith  
Notary Public, Gilmer County,  
State of West Virginia

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

RECEIVED  
MAY 24 1985

OIL & GAS DIVISION  
DEPT. OF MINES

INSTRUCTIONS TO APPLICANT

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(1) "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.

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.

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:

Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book Page
Flossie Pearl Fleming	Exxon Corp.	1/8	209/290
Exxon Corp.	J & J Enterprises, Inc. W.I.		119/602

Note: W.I. = Working Interest



1) Date: April 29, 19 85  
 2) Operator's Well No. J-1194  
 3) API Well No. 47 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 X /  
 B (If "Gas", Production X / Underground storage \_\_\_\_\_ / Deep \_\_\_\_\_ / Shallow X /)
- 5) LOCATION: Elevation: 1177' Watershed: Short Run  
 District: Centerville County: Tyler Quadrangle: West Union 7.5'
- 6) WELL OPERATOR J & J Enterprises, Inc. 7) DESIGNATED AGENT Richard Reddecliff  
 Address P.O. Box 48 24130 Address P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Robert Lowther Name S.M. Jack Drilling Co.  
 Address General Delivery Address P.O. Box 48  
Middlebourne, WV 26149 Buckhannon, WV 26201
- 10) PROPOSED WELL WORK: Drill X / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate X /  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Alexander
- 12) Estimated depth of completed well, 5600' feet
- 13) Approximate strata depths: Fresh, 150' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes \_\_\_\_\_ No X

**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	H-40	42	X		30'	0'	0 Sacks	Kinds
Fresh water	8 5/8	ERW	23	X		1777'	1777'	To Surface	Sizes
Coal	8 5/8	ERW	23	X		1777'	1777'	To Surface	Depths set
Intermediate									Perforations:
Production	4 1/2	J-55	10.5	X				300 sacks	Top
Tubing						5600'	5550'	or as required	Bottom
Liners									

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

**VOLUNTARY STATEMENT OF NO OBJECTION**

I hereby state that I have read the instructions to surface owners on the reverse side of this Application for a Well Work Permit, and that I have received copies of (1) a Notice of Application for a Well Work Permit on Form IV-2(A), (2) an Application for a Well Work Permit on Form IV-2(B), (3) a survey plat on Form IV-6, and (4) a Construction and Reclamation Plan on Form IV-9, all for proposed well work on my surface land as described therein.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued based on those materials.

(For execution by corporation, partnership, etc.)

(For execution by natural persons)

NAME: \_\_\_\_\_  
 By 82 J 113 \_\_\_\_\_ Date 1979  
 Its \_\_\_\_\_ Date \_\_\_\_\_

x David W. Glasme Date: 5-15-85  
 (Signature) \_\_\_\_\_  
 (Signature) \_\_\_\_\_ Date: \_\_\_\_\_

**12/29/2023**  
 Surface Owner



**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.





IV-35  
(Rev 8-81)

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date September 5, 1985  
Operator's J-1194  
Well No. J-1194  
Farm Glasure  
API No. 47 - 095 - 1106

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: 1177 Watershed Short Run  
District: Centerville County Tyler Quadrangle West Union 7.5

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 David Glasure  
ADDRESS Rt. # 1, Mingo Junction, OH 43938  
MINERAL RIGHTS OWNER Same as surface  
ADDRESS      
OIL AND GAS INSPECTOR FOR THIS WORK Robert Lowther  
ADDRESS Gen. Delivery Middlebourne, WV 26149

PERMIT ISSUED 6/3/85  
DRILLING COMMENCED 7/29/85  
DRILLING COMPLETED 8/4/85

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"	30	0	0 sks.
9 5/8			
8 5/8	1244.70	1244.70	270 sks.
7			
5 1/2			
4 1/2	5156.70	5156.70	220 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5310-40 feet  
Depth of completed well 5651 feet Rotary x / Cable Tools      
Water strata depth: Fresh 110,124 feet; Salt 0 feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA  
Producing formation Benson Pay zone depth 5038-40 feet  
Gas: Initial open flow     Mcf/d Oil: Initial open flow     Bbl/d  
Combined Final open flow 440 Mcf/d Final open flow     Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 1600 psig (surface measurement) after 96 hours shut in  
(If applicable due to multiple completion--)

Second producing formation Riley Pay zone depth 4636-62 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)

12/29/2023

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

Riley: Perforations: 4636-38 (6 holes) 4644-45 (4 holes) 4660-62 (6 holes)  
 Fracturing: 100 sks. 20/40 sand: 500 gal. acid.  
 Benson: Perforations: 5038-40 (8 holes)  
 Fracturing: 400 sks. 20/40 sand: 409 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=Pwe<sup>XGLS</sup>

$$t=60 + (0.0075 \times 5157) + 459.7 = 558 \quad X = \frac{1}{53.35} \times 558 = \frac{1}{29769} = 0.000034 \quad Pf = 1600 \times 2.72^{(0.000034)}$$

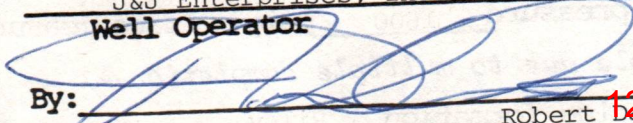
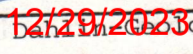
$$(0.684)(4838)(0.9) = 1600 \times 2.72^{0.1} = 1600 \times 1.1$$

Pf= 1760 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
Clay	0	3	
Sandy shale & sand	3	30	
Shale, red rock & sandy shale	30	120	1/4" stream @ 110'
Sand & sandy shale	120	220	
Red rock & shale	220	245	1/4" stream @ 1244'
Sand, shale & red rock	245	395	
Sand, shale & red rock	395	440	Gas ck @ 2292 No show
Sandy shale & red rock	440	785	
Sand & shale	785	970	Gas ck @ Drill collars 14/10-1" w/water
Red rock, shale & sandy shale	970	1200	28,277 cu.ft.
Shale & sandy shale	1200	1600	
Sand & sandy shale	1600	2035	
Big Lime & INjun	2035	2230	
Sandy shale & sand	2230	2485	
Sandy shale	2485	2900	
Shale & sand	2900	3275	
Shale & sandy shale	3275	3595	
Sandy shale & sand	3595	4636	
Riley	4636	4662	
Shale & sandy shale	4662	5038	
Benson	5038	5040	
Sandy shale	5040	5310	
Alexander	5310	5340	
Sandy shale	5340	5651	T.D.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.  
 Well Operator  
 By:   
 Date: 9/5/85  
 Robert  logist

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 all, encountered in the drilling of a well."

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

RECEIVED  
AUG 5 - 1985

INSPECTOR'S WELL REPORT

Permit No. 095-1106

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY  
Oil & Gas Wells  
(KIND)

Company J & Enterprises  
 Address Buckhannon W. Va  
 Farm David Blasuel  
 Well No. ~~PHJ~~ 1194  
 District Centerville County Tyler  
 Drilling commenced \_\_\_\_\_  
 Drilling completed \_\_\_\_\_ Total depth 2840  
 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			Kind of Packer _____
16			
13			Size of _____
10			
8 1/4	1244	1244	Depth set _____
6 3/8			
5 3/16			Perf. top _____
3			Perf. bottom _____
2			Perf. top _____
Liners Used			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 1244 No. FT 731-85 Date  
 NAME OF SERVICE COMPANY Halliburton  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

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

Remarks: Cemented with 270 SKS class A cement

Aug 1, 1985  
DATE

R. A. Louth  
12/29/2023  
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

12/29/2023

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

RECEIVED  
AUG 14 1985

INSPECTOR'S WELL REPORT DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Permit No. <sup>1106</sup> 095-~~1106~~

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

Company J & J Enterprises  
 Address Buckhannon w. Va  
 Farm David Plasuel  
 Well No. J 1194  
 District centerville County Tyler  
 Drilling commenced \_\_\_\_\_  
 Drilling completed 8-7-85 Total depth 5651  
 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 \_\_\_\_\_ bbla., 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 1/2	5156	5156	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 4 1/2 SIZE 5156 No. FT 8-7-85 Date  
 NAME OF SERVICE COMPANY Halliburton  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

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

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

Aug 7 1985  
DATE

R.A. Louth  
12/29/2023  
DISTRICT WELL INSPECTOR

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF MINES**  
**OIL AND GAS WELLS DIVISION**  
**INSPECTOR'S PLUGGING REPORT**

RECEIVED  
DIVISION OF OIL & GAS  
DEPARTMENT OF MINES

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 \_\_\_\_\_  
\_\_\_\_\_ 12/29/2023  
DISTRICT WELL INSPECTOR

INSPECTOR'S PERMIT SUMMARY FORM

6-3-85

WELL TYPE Cas  
ELEVATION 1677  
DISTRICT Centerville  
QUADRANGLE West Union  
COUNTY Tyler

API# 47-095-6106  
OPERATOR J & J Enterprises  
TELEPHONE \_\_\_\_\_  
FARM David Blasius  
WELL # J-1194

SURFACE OWNER \_\_\_\_\_ COMMENTS \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
TARGET FORMATION \_\_\_\_\_ DATE APPLICATION RECEIVED \_\_\_\_\_  
DATE STARTED \_\_\_\_\_  
LOCATION \_\_\_\_\_ NOTIFIED \_\_\_\_\_ DRILLING COMMENCED 7-29-85

WATER DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
COAL DEPTHS \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

CASING  
Ran 1244 feet of 8 "pipe on 7-31-85 with \_\_\_\_\_ fill up  
Ran 5156 feet of 4 1/2 "pipe on 8-7-85 with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
Ran \_\_\_\_\_ feet of \_\_\_\_\_ "pipe on \_\_\_\_\_ with \_\_\_\_\_ fill up  
TD 8-7-85 feet on 5657

RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

PLUGGING

JUN 10 1986

Type	From	To	Pipe Removed

Pit Discharge date: \_\_\_\_\_ Type \_\_\_\_\_  
Field analysis ph \_\_\_\_\_ fe \_\_\_\_\_ cl \_\_\_\_\_  
Well Record received \_\_\_\_\_  
Date Released 6-4-85

R.A. Lowther 12/29/2023  
Inspector's signature

API# 47 \_\_\_\_\_ - \_\_\_\_\_

LIST ALL VISITS FOR THIS PERMIT

	DATE	TIME	PURPOSE	COMMENTS
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Notes



1.0 API well number: (If not available, leave blank. 11 digits.)	47-095-1106			
2.0 Type of determination being sought (Use the codes found on the front of this form.)	103 <small>Section of NGPA</small>	N/A <small>Category Code</small>		
3.0 Depth of the deepest completion location (Only include sections 103 or 107 in 2.0 above.)	5040 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. P.O. Box 697 Indiana, Pa. 15701		009480 <small>Serial Code</small>	
5.0 Location of this well (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	Centerville Tyler County WV			
(b) For OCS wells:	N/A			
(c) Name and identification number of this well (35 letters and digits maximum.)	J-1194			
(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.)	Purchaser not yet designated			
(b) Date of the contract.	Mo. Day Yr.			
(c) Estimated annual production:	MMcf			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price (Actual filing date. Complete to 3 decimal places.)	3.031	.278	---	3.310
8.0 Maximum royalty rate (Actual filing date. Complete to 3 decimal places.)	3.031	.278	---	3.310
9.0 Person responsible for this application	Richard J. Kline Secretary			
Agency Use Only Date received by Joint Agency <b>SEP 10 1985</b> Date transmitted by FERC	Name: <u>Richard J. Kline</u> Title: <u>Secretary</u> Date application is completed: <u>9-6-85</u> File # Number: <u>(412) 349-6000</u>			

12/29/2023

SEP 30 1985

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: Sept. 16, 1985

24150

AGENCY USE ONLY

Applicant's Name: J & J ENTERPRISES, INC.

Address: P.O. Box 697

Indiana, PA. 15701

Gas Purchaser Contract No. \_\_\_\_\_

Date of Contract \_\_\_\_\_  
(Month, day and year)

First Purchaser: not yet designated <sup>629</sup>

Address: \_\_\_\_\_  
(Street or P.O. Box)

(City) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip Code) \_\_\_\_\_

FERC Seller Code 009480

FERC Buyer Code \_\_\_\_\_

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: Vicki Vanderberg

Signature: *Vicki Vanderberg* (Print) \_\_\_\_\_ (Title) \_\_\_\_\_

Address: P.O. Box 697  
(Street or P.O. Box)  
Indiana, PA. 15701

Telephone: 412 349-6800  
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser)

NGPA Category Applied For

NGPA SECTION/SUBSECTION

102 New Natural Gas

- 102-2 2.5 Mile Test
- 102-3 1000 Foot Deeper Test
- 102-4 New Onshore Reservoir

103 New Onshore Production Well

- 103 New Onshore Production Well

107 High Cost Natural Gas

- 107-0 Deep (more than 15,000 feet)
- 107-1 Geopressured Brine
- 107-2 Coal Seams
- 107-3 Devonian Shale
- 107-5 Production enhancement
- 107-6 New Tight Formation
- 107-7 Recompletion Tight Formation

108 Stripper Well Natural Gas

- 108- Stripper Well
- 108-1 Seasonally Affected
- 108-2 Enhanced Recovery
- 108-3 Temporary Pressure Buildup

AGENCY USE ONLY

QUALIFIED

12/29/2023

RECEIVED  
SEP 10 1985

DIVISION OF OIL & GAS  
DEPARTMENT OF ENERGY

Date Received

Determination Date

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

Date Sept. 6, 1985

Operator's Well No. J-1194

API Well No. 47 - 095 - 1106  
State County Permit

WELL CLASSIFICATION FORM  
NEW ONSHORE PRODUCTION WELL

WPGA 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 1177  
Watershed Short Run  
Dist. Centerville County Tyler Quad. West Union

GAS PURCHASER Not yet designated  
ADDRESS \_\_\_\_\_

Gas Purchase Contract No. \_\_\_\_\_  
Meter Chart Code \_\_\_\_\_  
Date of Contract \_\_\_\_\_

\* \* \* \* \*

Date surface drilling was begun: June 3, 1985

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

BOTTOM HOLE PRESSURE Pf=Pwe<sup>XGLS</sup>

$$t=60 + (0.0075 \times 5157) + 459.7 = 558 \quad X=\frac{1}{53.35} \times 558 = 10.46 \quad =0.000034 \quad Pf=1600 \times 2.72^{(0.000034)}$$
$$(0.684)(4838)(0.9) =1600 \times 2.72^{0.1} =1600 \times 1.1$$

Pf= 1760 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 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 6<sup>th</sup> day of Sept, 1985, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 6<sup>th</sup> day of Sept, 1985. My ~~XXXXXX~~ expires on the 23 day of January, 1984-88.  
Commission

Vicki L. Vanderberg  
Notary Public 12/29/2023

[NOTARIAL SEAL]



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

177N 6-3 85

7390'

LATITUDE 39°22'30"

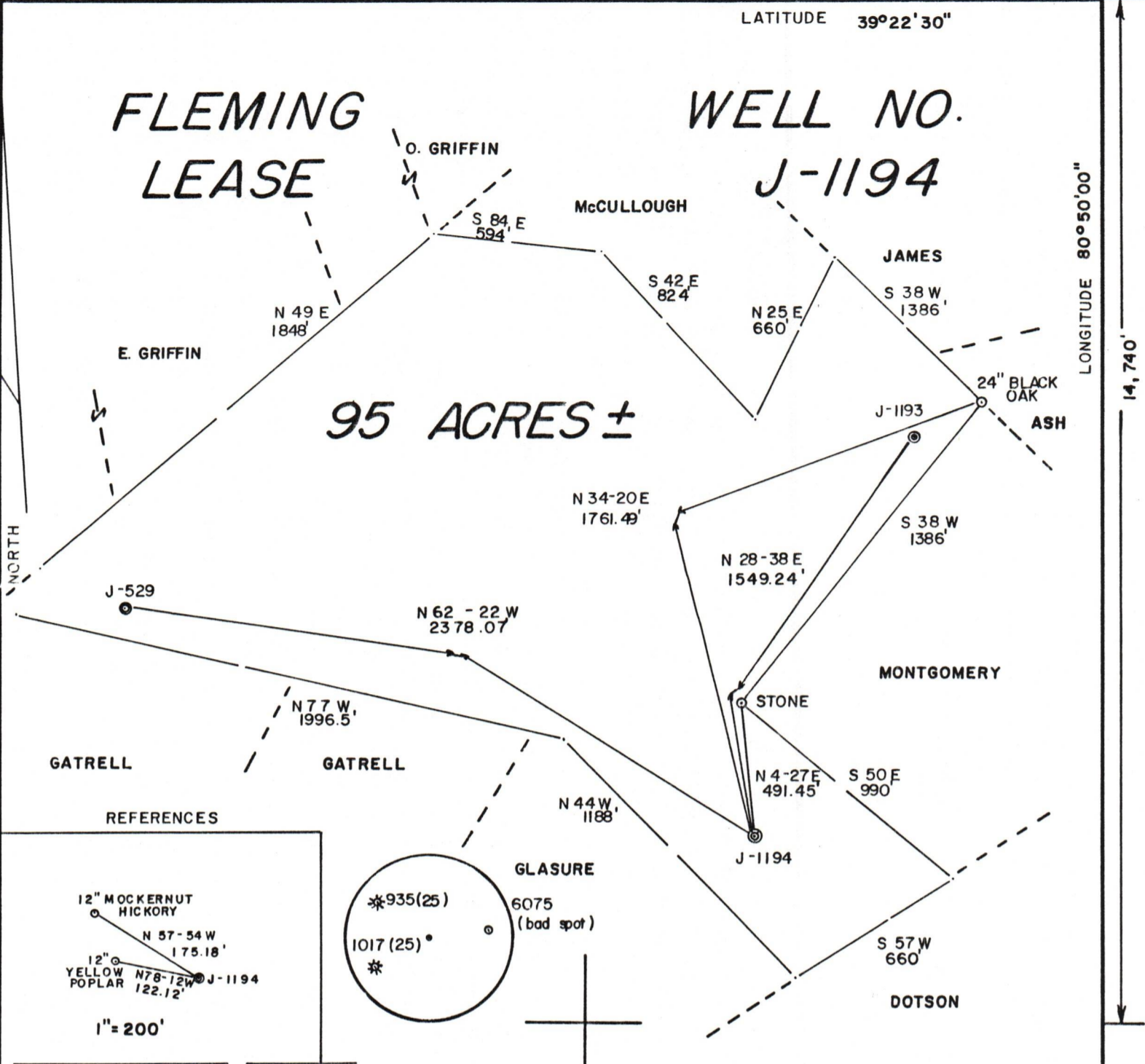
LONGITUDE 80°50'00"

14,740'

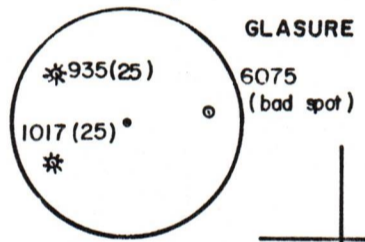
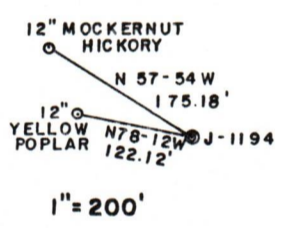
# FLEMING LEASE

# WELL NO. J-1194

## 95 ACRES ±



### REFERENCES

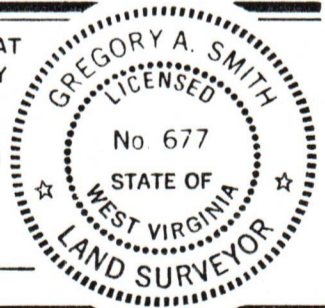


### SLS SMITH LAND SURVEYING

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 DATE APRIL 18, 1985  
 OPERATORS WELL NO. J-1194  
 API WELL NO.  
47 - 095 - 1106  
 STATE COUNTY PERMIT

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.

L.L.S. 677 Gregory A. Smith



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 18-11 JR  
 PROVEN SOURCE OF ELEVATION JCT. ROADS ELEV. 832' SCALE 1"=500'



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 1177' WATERSHED SHORT RUN  
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5'  
 SURFACE OWNER DAVID GLASURE ACREAGE 95  
 OIL & GAS ROYALTY OWNER DAVID GLASURE LEASE ACREAGE 95 **12/29/2023**

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF   
 OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION ALEXANDER  
 ESTIMATED DEPTH 5600'

WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT RICHARD REDECLIFF  
 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201

TYLER COUNTY NAME PERMIT 1106