



1) Date: MARCH 21, 19 84
 2) Operator's Well No. JK-931
 3) API Well No. 47 - 095 - 1061
 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: 1188' Watershed: BRUSH RUN
 District: MEADE County: TYLER Quadrangle: PENNSBORO 7.5'
- 6) WELL OPERATOR J & J ENTERPRISES, INC. 7) DESIGNATED AGENT RICHARD M. REDDECLIFF
 Address P.O. BOX 48 Address P.O. BOX
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name ROBERT A. LOWTHER Name S.W. JACK DRILLING CO.
 Address GENERAL DELIVERY Address P.O. BOX 48
MIDDLEBOURNE, WV 26149 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, DEVONIAN SHALE
- 12) Estimated depth of completed well, 5990' feet
- 13) Approximate strata depths: Fresh, 400' feet; salt, 0 feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 MAR 23 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	H40	42	X		30'	0	0	Kinds
Fresh water	8 5/8	ERW	23	X		1300	1000	To surface	By rule 15.05
Coal									Sizes
Intermediate									
Production	4 1/2	J55	10.5	X		5990'	5940'	425	Depths set
Tubing									or as req. by rule 15.01
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1061 Date March 23, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires March 23, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: BLANKET	Agent: <u>LS</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>1495</u>
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Margaret J. Hasse
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

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MAR 23 2004

DEPT. OF MINES
OIL & GAS DIVISION

1) WELL LOCATION: District, Elevation, Production, Gas, etc.
2) WELL OPERATOR: Name, Address
3) DRILLING CONTRACTOR: Name, Address
4) PROPOSED WELL WORK: Drill, Deepen, etc.
5) GEOLOGICAL TARGET FORMATION: Name, Depth
6) APPROXIMATE COAL SEAM DEPTH: Feet
7) APPROXIMATE LITHOLOGY: Description

FORMATION	DEPTH (FEET)	THICKNESS (FEET)	PERCENTAGE	REMARKS
FOOTCASTLE SHALES	1300'	50'		
CLAY	1300'			
INTERMEDIATE	1300'			
PRODUCTION	1300'			

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: _____

Agent	Plan	Case	Fee
BLANKET			

2242

Field Review



IV-9
(Rev 8-81)

DATE March 19, 1984

WELL NO. JK-931

State of West Virginia API NO. 47-095-1061

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc. DESIGNATED AGENT Richard Reddcliff
 Address P.O. Box 48 Buckhannon, WV 26201 Address P.O. Box 48 Buckhannon, WV 26201
 Telephone 304-472-9403 Telephone 304-472-9403
 LANDOWNER William B. Markle 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: 3/21/84 (Date)

Kenneth R. Mason
(SCD Agent)

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MAR 24 1984

ACCESS ROAD	LOCATION	OIL & GAS DIVISION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)	DEPT. OF MINES
Spacing <u>see sketch</u>	Material <u>Earthen</u>	
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>	
Structure <u>Cross Drain</u> (B)	Structure <u>Rip-Rap</u> (2)	
Spacing <u>see sketch</u>	Material <u>Logs & Stone</u>	
Page Ref. Manual <u>2-1</u>	Page Ref. Manual <u>2-16</u>	
Structure _____ (C)	Structure _____ (3)	
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.

REVEGETATION

Treatment Area I

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

Treatment Area II

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

*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. 12/22/2023
 ADDRESS 111 South Street
Glenville, WV 26351
 PHONE NO. 304-462-5634


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

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Pennsboro 7.5'

LEGEND

Well Site 

Access Road 



Form IV-2 (A)
Reverse

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>
William B. & Julia A. Markel	J&J Enterprises, Inc.	93%-1/8 of 100%	169	308
Mary E. & B.V. Smith Hrs.		7%-1/8 of 100%	Not recorded	

12/22/2023



1) Date: MARCH 21, 19 84
 2) Operator's Well No. JK-931
 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 Y
 B (If "Gas", Production Y / Underground storage / Deep / Shallow Y)
- 5) LOCATION: Elevation: 1188' Watershed: BRUSH RUN
 District: MEADE County: TYLER Quadrangle: PENNSBORO 7.5'
- 6) WELL OPERATOR J & J ENTERPRISES, INC.
 Address P.O. BOX 48
BUCKHANNON, WV 26201
- 7) DESIGNATED AGENT RICHARD M. REDDECLIFF
 Address P.O. BOX
BUCKHANNON, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
 Name ROBERT A. LOWTHER
 Address GENERAL DELIVERY
MIDDLEBORNE, WV 26149
- 9) DRILLING CONTRACTOR:
 Name S.W. JACK DRILLING CO.
 Address P.O. BOX 48
BUCKHANNON, WV 26201
- 10) PROPOSED WELL WORK: Drill Y / Drill deeper / Redrill / Stimulate Y
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, ALEXANDER DEVONIAN SHALE
- 12) Estimated depth of completed well, 5990' 5990' feet
- 13) Approximate strata depths: Fresh, 400' feet; salt, 0 feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes No

RECEIVED
 MAR 21 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS						FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well			
Conductor	11 3/4	H40	42	X		30'	0		Kinds	
Fresh water										
Coal									Sizes	
Intermediate	8 5/8	FRW	23	X		1300'	1300'	FILL TO SURFACE	Depths set	
Production	4 1/2	J55	10.5	Y		5990'	5940'	425	Perforations:	
Tubing									Top	
Liners									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 X / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By William B. Markle
 Its Julie A. Markle
 Coal Owner

12/22/2023

Coal Owner



1) Date: MARCH 21, 1984
 2) Operator's Well No. JK-937
 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: 1188' Watershed: BRUSH RUN
 District: HEADE County: TYLER Quadrangle: PENNSBORO 7.5'
- 6) WELL OPERATOR: J & J ENTERPRISES, INC. 7) DESIGNATED AGENT RICHARD M. REDDECLIFF
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BUCKHANNON, WV 26201 BUCKHANNON, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name: ROBERT A. LOWTHER Name: S.W. 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 DEVONIAN SHALE
- 12) Estimated depth of completed well, 5400' 5990' feet
 13) Approximate trata depths: Fresh, 400' feet; salt, 0 feet.
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15) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR BACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling		Left in well	Kinds
Conductor	1 3/4	H40	42	X		30'	0		
Fresh water									
Coal									
Intermediate	8 5/8	ERW	23	X		1300'	1300'	FILL TO SURFACE	
Production	4 1/2	J55	10.5	X		5000'	5940'	425	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

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 _____
 Its _____ Date _____

William B. Markle Date: 3/21/84
 (Signature)
Julie A. Markle Date: 3-21-84
 (Signature)

HALLIBURTON SERVICES JOB SUMMARY

FORM 2025

HALLIBURTON
DIVISION
HALLIBURTON
LOCATION

P. H. S. Burgh PA
Winston WU

BILLED ON
TICKET NO. 802626

WELL DATA

FIELD _____ SEC. _____ TWP. _____ RNG. _____ COUNTY Tyler STATE WU

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD _____

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH 1447

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>5-19-84</u>	DATE <u>5-19-84</u>	DATE <u>5-19-84</u>	DATE <u>5-19-84</u>
TIME <u>3:00</u>	TIME <u>6:30</u>	TIME <u>7:12</u>	TIME <u>8:22</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>C. BARNETT</u>	<u>29140</u>	<u>Winston</u>
<u>M. NICHOLSON</u>	<u>0985</u>	<u>"</u>
<u>D. BUNCH</u>	<u>3203</u>	<u>"</u>
<u>C. BUCKHART</u>	<u>1609</u>	<u>"</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
GUIDE SHOE <u>8 5/8</u>	<u>1EA</u>	<u>Howco</u>
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG <u>5 7/8 S. W. Rubber</u>	<u>1EA</u>	<u>Howco</u>
HEAD <u>P-C-Conn</u>	<u>1EA</u>	<u>Howco</u>
PACKER		
OTHER <u>5 7/8 Cut Deck</u>	<u>1EA</u>	<u>Howco</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API _____

DISPL. FLUID _____ DENSITY _____ LB/GAL. API _____

PROP. TYPE _____ SIZE _____ LB. _____

ACID TYPE _____ GAL. _____ % _____

SURFACTANT TYPE _____ GAL. _____ IN _____

NE AGENT TYPE _____ GAL. _____ IN _____

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN _____

GELLING AGENT TYPE _____ GAL.-LB. _____ IN _____

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN _____

BREAKER TYPE _____ GAL.-LB. _____ IN _____

BLOCKING AGENT TYPE _____ GAL.-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER 15 SPS Howco Gel 10/B

DEPARTMENT Cat

DESCRIPTION OF JOB Cat 8 5/8 CS9

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X Danny Smiley

HALLIBURTON OPERATOR J. C. Barnett COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>235</u>	<u>174</u>	<u>A</u>	<u>Howco</u>	<u>D</u>	<u>2% Act 1/4" Flocc</u>	<u>1.18</u>	<u>15.6</u>
	<u>100</u>	<u>514</u>	<u>A</u>	<u>Howco</u>	<u>D</u>	<u>3% Act</u>	<u>1.18</u>	<u>15.6</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESLUSH: BBL.-GAL. _____ TYPE _____

BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. 100

AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 911

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. 20.3

HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. 261.4

ORDERED _____ AVAILABLE _____ USED _____ REMARKS See Tool Log

AVERAGE RATES IN BPM _____

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

12/22/2023

CUSTOMER

CUSTOMER
T. H. ESTEP
LEASE WITHIN AREA
WELL NO. JK-931
JOB TYPE C-8 5/8 CS9
DATE 5-19-84

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

Devonian Shale: 5822-26 (5 holes) 5830-35 (7 holes) 5866-69(3 holes) 5912-16(5 holes)
 Fracturing: 300 sk. 20/40 sand: 115 Bbls. fluid.
 Benson: 4889-91 (8 holes)
 Fracturing: 350 sks. 20/40 sand:500 gal. acid: 362 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf= Pwe^{XGLS}

$$t=60 + (0.0075 \times 5970) + 459.7 = 564 \quad X=53.35 \times 564 = 30115 \quad =0.000033 \quad Pf=1400 \times 2.72^{(0.000033)}$$

$$(0.000033)(0.669)(5403)(0.9) = 1400 \times 2.72^{0.11} = 1400 \times 1.12$$

Pf=1568 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
Fill & shale			0	40	
Sand & shale			40	85	
Sand & shale			85	136	Damp @ 550'
Sand, shale & red rock			136	2020	
Big Lime			2020	2130	Gas ck @ 2244 No show
Big Injun			2130	2200	
Sand & shale			2200	2780	Gas ck @ 2860 No show
Sand & shale			2780	4889	
Benson			4889	4891	Gas ck @ 3108 No show
Sand & shale			4891	5822	
Devonian Shale			5822	5916	Gas ck @ 3745 No show
Sand & shale			5916	5995	
				T.D.	Gas ck @ 4340 No show
					Gas ck @ 4801 No show
					Gas ck @ 5138 35/10-1" w/water 44,470 cu.ft.
					Gas ck @ collars 10/10-1" w/water 23,314 cu.ft.

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator

By: *B. J. [Signature]*

12/22/2023

Date: 6/25/84

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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

RECEIVED

MAY 23 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES

Permit No. 095-1061

Company Jof Enterprises
 Address Buckhannon w. Va
 Farm Marble
 Well No. JK 931
 District meade County Tyler
 Drilling commenced _____
 Drilling completed _____ Total depth 3635
 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 550 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	1400	1400	
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED 8 5/8 SIZE 1400 No. FT. 5-19 Date 84
 NAME OF SERVICE COMPANY Halliburton
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

May 21 1984
 DATE

R. A. Luther
 DISTRICT INSPECTOR
 12/22/2023



RECEIVED
JUN 5 - 1985
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305
FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
July 10, 1984

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

PERMIT NO 095-1061
FARM & WELL NO William Markle #JK-931
DIST. & COUNTY Meade/Tyler

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

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

SIGNED R.A. Louchee
DATE May 30 1985

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. [Signature]
Administrator-Oil & Gas Division

June 10, 1985
DATE

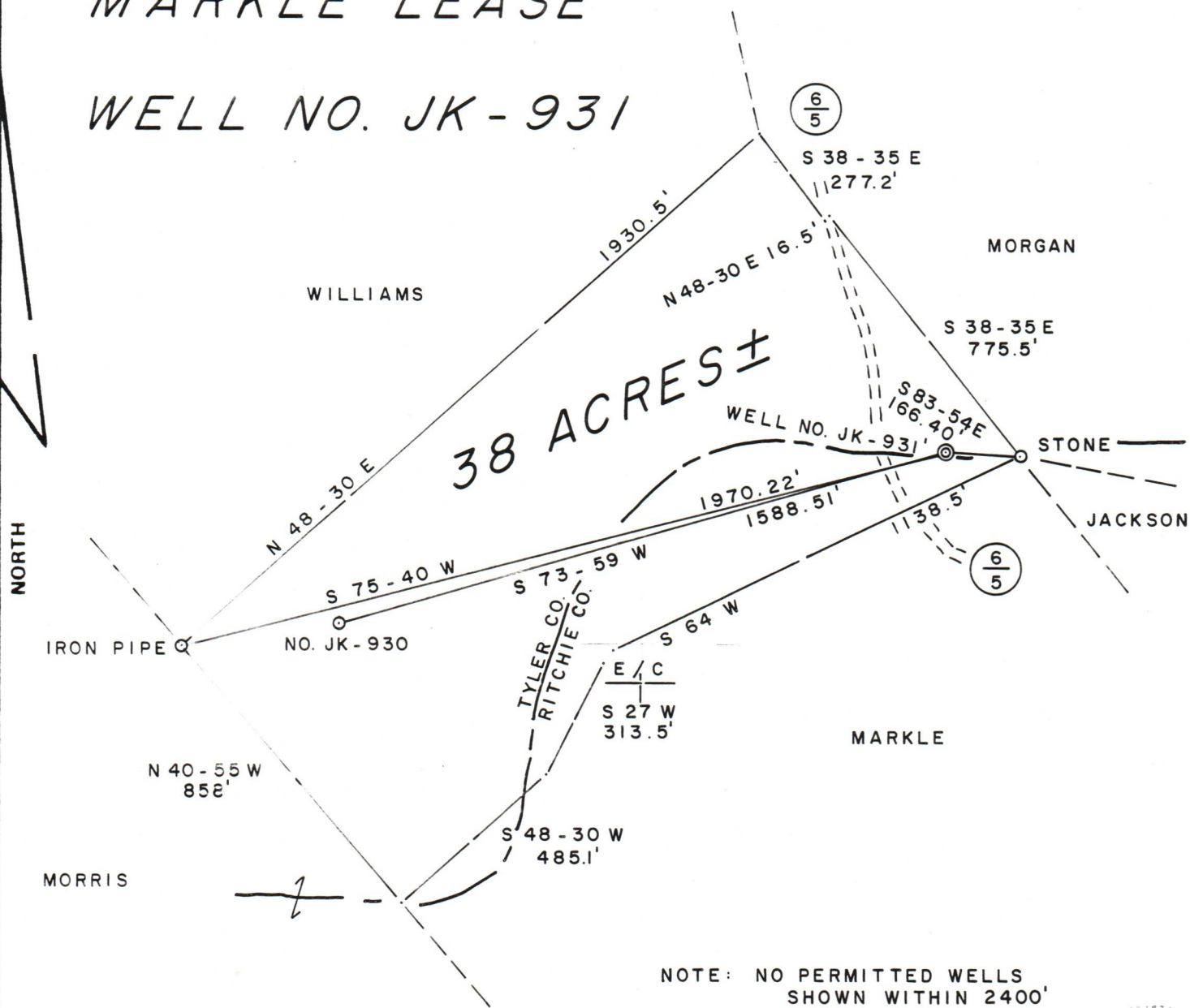
7,490'

LATITUDE 39° 22' 30"

LONGITUDE 80° 57' 30"

MARKLE LEASE

WELL NO. JK-931



NOTE: NO PERMITTED WELLS SHOWN WITHIN 2400'

FILE NO. 13-17
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEV. 1225'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

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

FORM IV-6
(8-78)



DATE MARCH 20, 19 84
 OPERATOR'S WELL NO. JK-931
 API WELL NO. _____
47-095-1061
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

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

LOCATION: ELEVATION 1188' WATER SHED BRUSH RUN
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE PENNSBORO 7.5'

SURFACE OWNER WILLIAM & JULIA A. MARKLE ACREAGE 38
 OIL & GAS ROYALTY OWNER WILLIAM B. MARKLE LEASE ACREAGE 38
 LEASE NO. JJ-1498

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5990'
 WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT RICHARD M. REDDECLIFF
 ADDRESS P. O. BOX 48 ADDRESS P. O. BOX 48
BUCKHANNON, WV 26201 BUCKHANNON, WV 26201

12/22/2023

1) Date: MARCH 21, 1984
2) Operator's Well No. JK-931
3) API Well No. 47 - 095 - 1061
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 WILLIAM & JULIA A. MARKLE
Address P.O. BOX 24
MIDDLEBOURNE, WV 26149
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR N/A
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name SAME AS SURFACE OWNER
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.

RECEIVED
MAR 24 1984
OIL & GAS DIVISION
DEPT. OF MINES

6) EXTRACTION RIGHTS
Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
7) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No X
If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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

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

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

this 23 day of March, 1984.
My commission expires 10/16, 1989.

[Signature]
Notary Public, Upshur County,
State of West Virginia

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>
William B. & Julia A. Markel	J&J Enterprises, Inc.	93%-1/8 of 100%	169	308
Mary E. & B.V. Smith Hrs.		7%-1/8 of 100%	Not recorded	

#2242



DATE March 19, 1984
WELL NO. JK-931
API NO. 47-095-1061

IV-9
(Rev 8-81)

Field Review

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc. DESIGNATED AGENT Richard Reddecliff
Address P.O. Box 48 Buckhannon, WV 26201 Address P.O. Box 48 Buckhannon, WV 26201
Telephone 304-472-9403 Telephone 304-472-9403
LANDOWNER William B. Markle 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: 3/21/84 (Date)

Kenneth R. Mason
(SCD Agent)

RECEIVED
MAR 24 1984

ACCESS ROAD	LOCATION	OIL & GAS DIVISION
Structure <u>Drainage Ditch</u> (A)	Structure <u>Diversion Ditch</u> (1)	DEPT. OF MINES
Spacing <u>see sketch</u>	Material <u>Earthen</u>	
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>	
Structure <u>Cross Drain</u> (B)	Structure <u>Rip-Rap</u> (2)	
Spacing <u>see sketch</u>	Material <u>Logs & Stone</u>	
Page Ref. Manual <u>2-1</u>	Page Ref. Manual <u>2-16</u>	
Structure _____ (C)	Structure _____ (3)	
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.

REVEGETATION

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

*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. 12/22/2023
ADDRESS 111 South Street
Glenville, WV 26351
PHONE NO. 304-462-5634

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

