

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-489  
API Well No. 47 - 083 - 0442  
State County Perm

WELL TYPE: Oil \_\_\_ / Gas x /  
(If "Gas", Production x / Underground storage \_\_\_ / Deep \_\_\_ / Shallow x /)  
LOCATION: Elevation: 2661 Watershed: Right Fork of Buckhannon River  
District: Middle Foek County: Randolph Quadrangle: Pickens

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

DESIGNATED AGENT Roger Rolston  
Address P.O. Box 48  
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Bert Been  
Address Pickens, WV 26230

COAL OPERATOR None  
Address

ACREAGE 52

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Mountaineer /L.J.Wuchner/Mae Dodd  
Energy Corp. /Box 344 / Pickens, WV  
Address 802 Charleston /Elkins WV  
Nat'l.Plaza 26241  
Charleston, WV  
Acreage 52 25301 /

Name Wayne, Mary & Nelle McDade  
Address John Home for Senior Citizens  
2250 Shenango Valley Freeway  
Sharon, Pa. 16146  
Name  
Address

FIELD SALE (IF MADE) TO:  
Name Unknown

COAL LESSEE WITH DECLARATION ON RECORD:

Address

Name  
Address

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

RECEIVED  
MAR 26 1981  
OIL & GAS DIVISION  
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed \_\_\_ / lease x / other contract \_\_\_ / dated 8/28, 1980, to the undersigned well operator from Bert B. Been & Eileen R. Been, His wife

If said deed, lease, or other contract has been recorded:  
Recorded on 9/5, 1980, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in Deed Book 332 at page 673. A permit is requested as follows:

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

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

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

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

03/15/2024

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

BLANKET BOND

J & J Enterprises, Inc.  
Well Operator  
By Peter Battles  
Geologist



[08-78]

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S.W. Jack Drilling Company  
Address Box 48  
Buckhannon, WV 26201

GEOLOGICAL TARGET FORMATION, Haverty

Estimated depth of completed well, 5700 feet Rotary  / Cable tools  /  
Approximate water strata depths: Fresh, 1250 feet; salt, 0 feet.  
Approximate coal seam depths: 305-25 Is coal being mined in the area? Yes  / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		30	0	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1300	1300	to surface	
Coal	8 5/8	ERW	23	x		1300	1300	to surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5650	5650	650 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

**NOTE:** Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

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

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

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 12-10-81.

[Signature]  
Deputy Director - Oil & Gas Division

This permit shall be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

**W A I V E R**

The undersigned coal operator / owner / lessee / of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

03/15/2024

cc: \_\_\_\_\_, 19\_\_\_\_

By \_\_\_\_\_  
Its \_\_\_\_\_



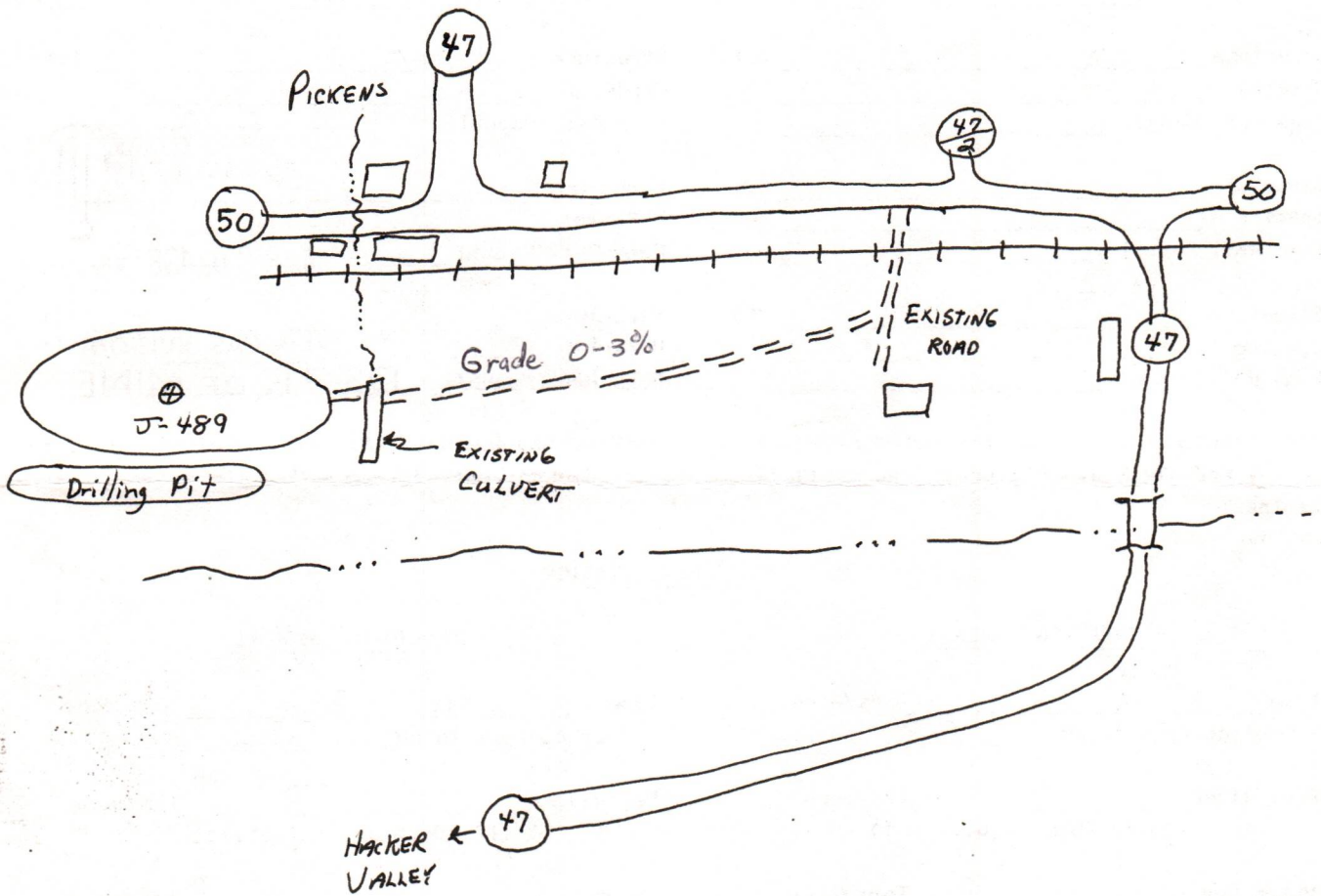
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, well site,

Legend:	Property Boundary		Diversion	
	Road		Spring	
	Existing Fence		Wet Spot	
	Planned Fence		Building	
	Stream		Drain Pipe	
	Open Ditch		Waterway	

drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.

COMMENTS: The slope of road is 0-3%: No cuts for road.



The location is on level land - No cuts needed.

No timber on property.

Signature:   
Agent

P. O. Box 48, Buckhannon, W. Va. 26201  
Address

472-9403  
03/15/2024  
Phone Number

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





Date March 17, 1981  
Well No. J-489  
API No. 47 - 083 - 0442  
State County Permit

STATE OF WEST VIRGINIA  
OFFICE OF OIL AND GAS

Company Name J. & J. Enterprises, Inc.  
Address P. O. Box 48  
Buckhannon, West Virginia  
Telephone 472-9403  
Landowner L.J. Wuchner

Designated Agent Roger Rolston  
Address P. O. Box 48  
Buckhannon, West Virginia  
Telephone 472-9403  
Soil Cons. District Tygart Valley

Revegetation to be carried out by Robert Rogers (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections  
and additions become a part of this plan. 3-19-81 (Date) J. Rolston (SCD Agent)

ACCESS ROAD - On level land

LOCATION - on level land

Structure N/A (A)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

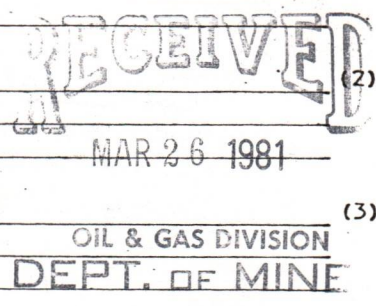
Structure N/A (1)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (B)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (2)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

Structure \_\_\_\_\_ (3)  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_



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

REVEGETATION

TREATMENT AREA I

TREATMENT AREA II

Lime 3 Tons/acre  
or correct to pH 6.5

Lime 3 Tons/acre  
or correct to pH 6.5

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

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

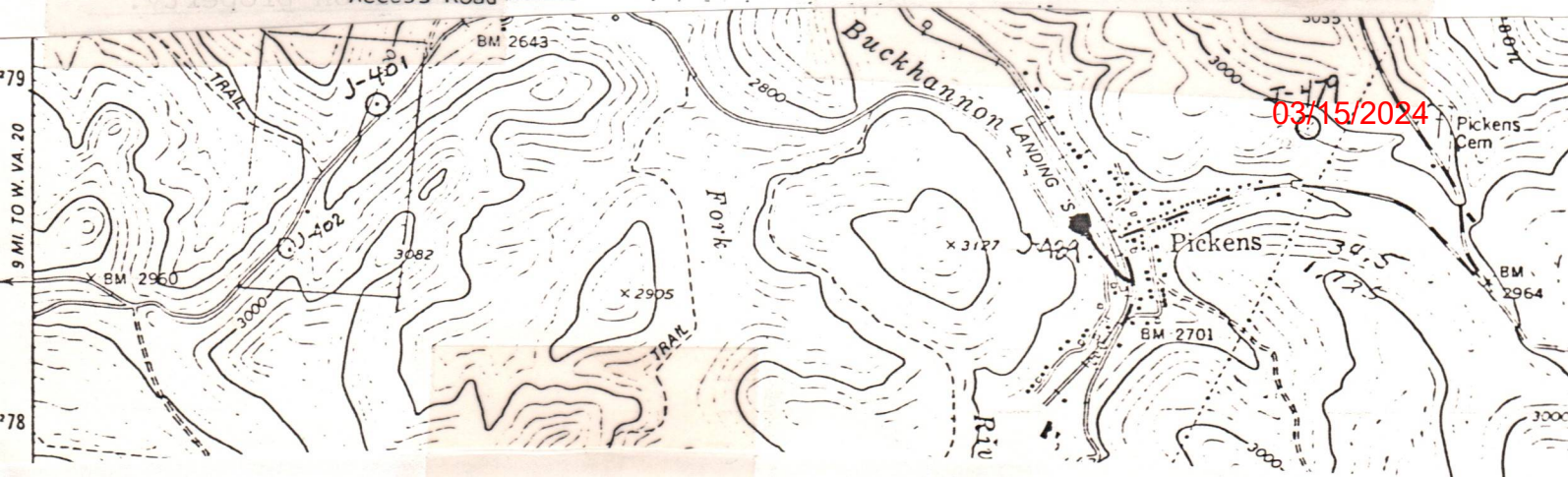
Mulch Hay 2 Tons/Acre  
Seed\* Kentucky 31 30 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
Dom. Rye Grass 10 lbs/acre

Mulch 2 lbs/acre  
Seed\* Kentucky 31 30 lbs/acre  
Birdsfoot Trefoil 10 lbs/acre  
Dom. Rye Grass 10 lbs/acre

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

Attach or photocopy section of involved Topographic map. Quadrangle Pickens 7.5'

Legend: Well Site Access Road





[08-78]

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

Benson: Perforations: 3740-43 ( 12 holes)  
Fracturing: 15,000 lbs. 80/100 sand: 30,000 lbs. 20/40 sand:500 Bbls.fluid.

Riley: Perforations: 3437-3536 (14 hoels)  
Fracturing: 15,000 lbs. 80/100 sand: 35,000 20/40 sand:500 gals. Acid: 500 Bbls. fluid.

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Top Soil			0	10	
Sand			10	83	Wet @ 5'
Coal			83	85	3 1/2" stream @ 30'
Sand & shale			85	150	5" stream @ 47'
Sand & shale			150	320	
Shale & sane			320	450	Gas ck @ 1806 No show
Sand & shale			450	619	
White sand			619	740	Gas ck @ 2620 6/10 -1" w/water 18,445 cu.ft.
Red rock			740	776	
White sand			776	800	
Red rock, sand & shale			800	1120	Gas ck @ 3246 4/10-1" w/water 15,051 cu.ft.
Shale			1120	1395	
Big Lime			1395	1505	
Gray sand & shale			1505	1712	Gas ck @ 3401 2/10-1" w/water 10,630 cu.ft.
Shale & red rock			1712	1869	
Red rock & sandy shale			1869	2450	
Sand & shale			2450	3000	Gas ck @ 3995' 12/10-1" w/water 26,087 cu.ft.
Sand & shale			3000	3437	
Riley			3437	3536	
Sand & shale			3536	3740	
Benson			3740	3743	
Shale & brown sand			3743	3960	
Shale,sand & brown sand			3960	4152	
				T.D.	

(Attach separate sheets to complete as necessary)

J & J Enterprises, Inc.

Well Operator

By Peter Battles  
Its Geologist

03/15/2024

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."



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APR 14 1982

Date: March 31, 1982

Operator's Well No. J-489  
API Well No. 47-083-0442  
State County Permit

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

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: 2661 Watershed: Rt. Fork of Buckhannon River  
District: Middle Fork County: Randolph Quadrangle: Pickens

WELL OPERATOR J & J Enterprises, Inc. DESIGNATED AGENT Harry L. Barnett  
Address P.O. Box 48 Address P.O. Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

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

PERMIT ISSUED ON 3/26, 1981

OIL & GAS INSPECTOR FOR THIS WORK:

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

Name Robert Stewart  
Address P.O. Box 345  
Jane LEw, WV 26378

GEOLOGICAL TARGET FORMATION: Haverty Depth \_\_\_\_\_ feet  
Depth of completed well, 4152 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, 30, -47 feet; salt, 0 feet.  
Coal seam depths: 83-85 Is coal being mined in the area? No  
Work was commenced 8/21, 1981, and completed 8/9, 1981

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	11 3/4	H-40	42	x		76.65	76.65	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		755	755	235 sks.	
Coal	8 5/8	ERW	23	x		755	755	235 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		4000	4000	190 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									3437 3536
									3740 3743

OPEN FLOW DATA

Producing formation Benson Pay zone depth 3740-43 feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Combined Final open flow, 112 Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, \_\_\_\_\_ hours  
Static rock pressure, 1100 psig (surface measurement) after 96 hours shut in  
[If applicable due to multiple completion--]  
Second producing formation Riley Pay zone depth 0315/2024 feet  
Gas: Initial open flow, \_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d  
Final open flow, \_\_\_\_\_ Mcf/d Final open flow, \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests, \_\_\_\_\_ hours

Bottom Hole Pressure Static rock pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in  
Pf=Pwe<sup>XGLS</sup> 1 1  
t=60+(4000 x .0075)+459.7=550 X=53.34x550 =29337 =0.000034 Pf=1100x2.72 (.000034) (0.6) (3590)(0.9)  
=1100x2.72 (0.066) =1100 x 1.07  
Pf=1175



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

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AUG - 5 1981

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

Permit No. 083-0442

Oil or Gas Well Gas  
(KIND)

Company <u>JF Enterprises</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>Buck Hannon</u>	Size			
Farm <u>BURT BEEN</u>	16			Kind of Packer
Well No. <u>J-489</u>	13			
District <u>MIDDLE FORK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>8-2-81</u>	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 1/4			
Date shot _____ Depth of shot _____	5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu. Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY _____			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names S.W. JACK RIG-7

Remarks:  
MOVE RIG SPD

8-3-81  
DATE

Robert Stewart 511  
03/15/2024  
DISTRICT WELL INSPECTOR





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

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OCT 25 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 083-0442

Oil or Gas Well GAS  
(KIND)

Company <u>F&amp;J ENTERPRISES</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>BUCK HANNON</u>	Size			
Form <u>BURT BEAN</u>	16			Kind of Packer
Well No. <u>J-489</u>	13			
District <u>MIDDLE FORK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>8-2-81</u>	8 1/4			
Drilling completed _____ Total depth _____	6 1/4			Depth set
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom
Volume _____ Cu. Ft.	Liners Used			Perf. top
Block pressure _____ lbs. _____ hrs.				Perf. bottom
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

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

Remarks: OKI TO RELEASE

10-21-82

03/15/2024  
Robert Stewart









State of West Virginia

Department of Mines  
Oil and Gas Division

Charleston 25305

WALTER N. MILLER  
DIRECTOR

November 10, 1982

J & J Enterprises, Inc.  
P. O. Box 48  
Buckhannon, W. Va. 26201

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

<u>PERMIT NO.</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RAN-0386	Russel & Doris Haddix, #J-401	Middle Fork
RAN-0442	Mountaineer/Bert Been, #J-489	Middle Fork
TYL-0924	W. Paul McCutchan, #J-514	Centerville
UPS-2289	James & Eula Archer, #J-524	Union
UPS-2296	James & Eula Archer, #J-523	Union
UPS-2300	Charles & Rosa McCartney, #J-551	Banks
UPS-2328	Frank Harper, #J-574	Union

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved..... ..

Very truly yours,

Theodore M. Streit