

Date:	June 1	, 1	9 83
Operator's			

1)

3) API Well No.	47	085	5998-REN.
reduce h	State	County	Permit

DKILLING	CONTRACTOR:

S.W. Jack Drilling Co. Box 48

Buckhannon, WV 26201

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

OIL AND GAS WELL PERMIT APPLICATION

RENEWAL - OLD NO. 5998

	B (If "	'Gas'', Pro	oduction		x	Underground st	orage		Deep	_/ Shallow _	x_/)
5) LOCATIO		tion:				Watershed:				NOTERES!	(8)
	Distri	ct:	Clay			County:				Pennsboro	
6) WELL OP	ERATOR	J&J	Enter	pris	es, Ir	C.	) DESIGNA	ATED AGE	NT Ric	chard Redd	ecliff
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		Buc	khanno	n, W	V 2620	)1			F	Buckhannon	, WV 262
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						Is coal	being mined i	in the area?	Yes	/ No	X
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**EXTRACTION RIGHTS** 

Intermediate Production

Tubing

Liners

Check and provide one of the following:

41

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.

1000

5250

1000

5250

The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

22) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or other continuing 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.

23) Required Copies (See reverse side.)

24) 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 Mines at Charleston, West Virginia.
Notary: Sanda Sandielos

My Compression Expires October 16.

ERW

J-55

10.5

Signed:

To surfac

250 sks

#### OFFICE USE ONLY

47-085-5998-REN.

DRILLING PERMIT

June 23

as req

15.01

Bottom

Depths set O

Perforations Тор

by Rule

Date 04/05/2024 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 reverse to the construction of roads, locations and nits for any permitted work.

(Refer to No. 10) Prior to the construction of roads locations and nits forwark manufacted.)

Permit expires	rebruary	23, 1984		unless dril	ing is commenced prior to that date and prosecuted with due diligence.
Bond:	Agent:	Plat:	Casing	Fee	The second of th
18B	ok	029	921	1255	Administrator, Office of Oil and Gas

#### Line Item Explanation

- Date of Application
   Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
  - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
  - 5) Where well is located
  - 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
  - 7) Use separate sheet if necessary
  - 8) Present surface owner at time application is filed.
  - 9) Optional
  - 11) See Reg. 7.01 relating to code §22-4-1k
  - 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
  - 15) Work that will be attempted—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.
  - 16) Anticipated formation for which well will be completed
  - 17) Self explanatory
  - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
  - 19) All coal seam depths
  - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
  - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
    - (1)A brief description of the tract of land including the district and county wherein the tract is located;
    - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
    - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
    - (4)A brief description of the royalty provisions of each such lease or contract.
  - 22) Code 22-4-11(d) and 22-4-11(e).
  - 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.
  - The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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

	WAIVER		LINE TOOL	
The undersigned coal operatoramined this proposed well location. If a madded to the mine map. The undersigned h	as no objection to the work pr	oposed to be done at	illis location, p	lovided, the we
		ginia Code and the g	overning regula	A lie latitud taggi
		ginia Code and the g	overning regula	Permit expires
operator has complied with all applicable  Date:		ginia Code and the g	overning regul	Hore district of the local second sec



1)	Date: November 8	, 19
2)	Operator's Well No. J-733	
2)	ADI Well No 30 47 Mar A 10	85 5998

County

Permit

State

#### DRILLING CONTRACTOR:

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S.W.	Jack	Drilling	Co.	DEPARTMENT OF MINES, OIL AND GAS DIVISION	
Box	48			DEFINITION WINLES, OIL AND GAS DIVISION	mo nemi peron

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		ion:	958	Water Barrier		Watershed:	Burton R		_/ ShallowX/)

Agent: OK Casing Fee Administrator, Office of Oil and Gas

Permit expires

Bond:

July 16, 1983

unless drilling is commenced prior to that date and prosecuted with due diligence.

#### Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
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	是,从是平16年	WAIVER			
The undersigned coal operator	/ owner	/ lessee	/of the coal un	04/05/2 der this well locati	2024 ion has ex-
amined this proposed well location. If	a mine map exists w	hich covers the are	a of the well location	n, the well location	n has been
added to the mine map. The undersigned					
operator has complied with all applica					
operator has complied with an applied	ole requirements of	the west virginia	Couc and the gove	ining regulations.	
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TATE OF West Virginia					
OUNTY OF WOOD	\rightarrow To-w		N D. I.V. of soil	id County, do hereby c	ertify t
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this day acknowledged the same	before me in my said Co	ounty +	here no	2	
Given under my hand this 3/21/9	day of	Sepien	elie Old	Cham	
Ty Commission expires 3/3/17			Notary Publ	lic	
	ACKNOWLEDG	MENT			
TATE OF					
OUNTY OF	To-wi	it:			
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OUNTY OF		it:,			
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FORM IV-35 (Reverse)

[87-80]

DETAILS OF PERFORATED INTERVALS, FRACTURING OF STITULATING, PHYSICAL CHANGE, ETC.

Devonian Shale: Perforations: 5624-5950 (20 Holes)

Fracturing: 2500 lbs. 80/100 sand: 30,000 lbs. 20/40 sand: 500 gal Acid:

480 Bbls. fluid.

Alexander: Perforations: 5018-25 (14 holes)

Fracturing: 3400 lbs. 20/40 sand: 48,300 lbs. 20/40 sand: 500 gal. Acid:

480 Bbls. fluid.

Riley & Benson: Perforations: 4727-30 (7 holes) 4346-66 (3 holes) Fracturing: 3800 lbs. 80/100 sand: 47,700 lbs. 20/40 sand: 500 gal Acid:

480 Bbls. fluid.

\*ELL 100

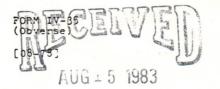
FORMATION	Color	Hard or Soft	Too Feet	Bottom Feet	Remarks Including indication of all freen and salt water, soal, sil and gas
Clay Sand, shale & red Coal Sand, shale & red Sand, shale & red Sand & shale & red Sand & shale Big Lime & Injun Sand & shale Shale & sand Sand & shale Sand & shale Sand & shale Sand & shale Riley Sand & shale Benson Sand & shale Alexander	rock rock rock	Soft	0 8 500 502 630 861 1150 1720 1940 2505 3200 3325 4346 4366 4727 4730 5018	8 500 502 630 861 1150 1720 1940 2505 3200 3325 4346 4366 4727 4730 5018 5025	l" stream @ 15'  l'2" stream @ 75'  l'2" stream @ 305'  '2" stream @ 120  Gas ck @ 2095 8/10-l'4" w/wat
Sand & shale Sand & shale Devonian Shale Brown shale			5025 5186 5624 5950	5186 5624 5950 5965	31,950 cu.ft.  Gas ck @ 4460 20/10-1" w/wate 33,679 cu.ft  Gas ck @ 4870 67/10-1" w/wate
					61,679 cu.ft.  Gas ck @ 5155 48/10-1" w/wat 52,715 cu.ft

(Attach separate sheets to complete as necessary.

J&J Enterprises, Inc. Robert Dahlin 04/05/2024

NOTE: Regulation 2.32(i) provides as follows:

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



Date:	August 10, 1983
Operator's Well No.	J-733
API Well No.	47-085 -5998-R

Form 26 2/16/82

Pf= 1902 psi

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

COMPANY			ADDRESS			
FARM						
		DISTRIC	C	OUNTY		
Filling Material Uses	d					1000
Liner	Location	Amount			7	. \
Bulgar			Packer	Location	The way to be a second	100
CEMENT-THICKNES	JSED AND DEPTH PLACES		BRIDGES	CASIN	G AND TUBI	NG
CLIENT-INICKNES	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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marks:		, v				
DATE	I hereby certify I	visited the above	e well on this date.			
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			Mef/d Final			_251/1
	Time	e of open flow	between initial and final t	2315,	J	

# DEPARTMENT OF MINES



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 85-57998 REN			Oil	T. OF MINES
Company J + J Enterprises cluc.	CASING AND	USED IN DRILLING	LEFT IN	PACKERS
Address	Size			Accept action and the con-
Farm Chandos Hickman	16			Kind of Packer
Well No. J-733	13		d in the Mount	Rind of Facker_
District Cay County Ritchie	10			Size of
Drilling commenced 7-13-83	65%	10		Dorth
Drilling completedTotal depth	5 3/16			Depth set
Date shotDepth of shot	3			Perf. top
Initial open flow/10ths Water inInch	Liners Used		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Perf. bottom
Open flow after tubing/10ths Merc. inInch			· · · · · · · · · · · · · · · · · · ·	Perf. bottom
VolumeCu. Ft.	CASING CENTRAL	5 a # 1		Contraction for the second second
Rock pressurelbshrs.	NAME OF SERVI	CE COMPANY	SIZE	No. FTDate
Dil			No. 1 State Control	
resh water	COAL WAS ENCO	UNTERED AT	ГF	EETINCHES
feet	FEET	INCHES	F	EETINCHES
feetfeet	FEET_	INCHES		EETINCHES
rillers' Names				
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marks: on-7-17-83 Ran 1424 , ran 360 saches std. u	rat of 85	"casing	Halle	durton
in the second	rua 2%	CC		

7-18-83

Samuel M. Feroman

DISTRICT WELL INSPECTOR

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

PLUGS USED AND DEPTH PLACED BRIDGES CASING AND TU  CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE  Drillers' Names  Remarks:  I hereby certify I visited the above well on this date.			a second deligible when the second of	ADDRESS	-			Υ	COMPANY_
PLUGS USED AND DEPTH PLACED  RECOVERED SIZE  CEMENT-THICKNESS WOOD-SIZE LEAD CONSTRUCTION-LOCATION RECOVERED SIZE  Drillers' Names.  Thereby certify I visited the above well on this date.			UNTY	CC	RICT	DISTRI			ARM
PLUGS USED AND DEPTH PLACED  CEMENT-THICKNESS  WOOD-SIZE  LEAD  CONSTRUCTION-LOCATION  RECOVERED  SIZE  Drillers' Names  Thereby certify I visited the above well on this date.								aterial Used	illing Mater
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Prillers' Names  Remarks:  I hereby certify I visited the above well on this date.	UBING	G AND TU	CASING	BRIDGES			ND DEPTH PLACED	PLUGS USED A	
Orillers' Names	LOST	SIZE	RECOVERED	CONSTRUCTION LOCATION		LEAD	WOOD-SIZE	NT-THICKNESS	CEMENT-1
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Prillers' Names  Remarks:  I hereby certify I visited the above well on this date.				(15,81) (17,10)		o Principal			
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## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



## INSPECTOR'S WELL REPORT

Permit N	85-	59	98	REN
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OIL & GAS DIVISION

OFF GAT WELL F MINES

Company Jt J Ene	expreses	, cluc.	CASING AND TUBING	DRILLING	LEFT IN	PAC	KERS
Address	/		Size	W 7			este o da
arm Chandos	Hickman	n	16		2 - 1	Kind of Pa	cker
ell No. J-733			13		A STATE OF STATE	The Alberta Const.	e general ye wy
crict Clay	County_Ri	tehe	81/4			Size of	
rilling commenced			6%			Depth set_	
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e shot			3			Perf. top	
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ow after tubing	/10ths Merc. in_	Inch				Perf. bottom	Tools is a fact of
		Cu. Ft.	CASING CEMEN	red	_SIZE_	No ET	Dot
oressure	_lbs	hrs.	NAME OF SERV				Date
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water	feet	feet	FEET_				
rs' Names		8					
emarks: Visit 5 8							

7-21-83

Samue M. 24/05/2024

DISTRICT WELL INSPECTOR

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			out office - 2 h
FARM		DISTRICT		COUNTY		
Filling Material Used						
iner Los	ation	Amount	Packer	Location		- January
PLUGS USED A	ND DEPTH PLACED	-	BRIDGES	CASIN	G AND TL	JBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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rillers' Names						
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emarks:		40				



OCT 17 1983

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

OIL AND GAS DIVISION

DEPT. OF MINESTINAL INSPECTION REQUEST

#### INSPECTOR'S COMPLIANCE REPORT

Permit No.	085-5998-REN		County Ritchie/	Clay	
Company J &	J Enterprises, Inc.		Farm		
Inspector	SAMUEL N. HERSMAN		Well No. J-733		
Date					
RULE	DESCRIPTION				PLIANCE
KULE	DESCRIPTION			Yes	No
23.06	Notification Prior to sta	arting Wor	·k		
25.04	Prepared before Drilling	to prever	t waste		_
25.03	High-Pressure Drilling				
16.01	Required Permits at wells	site			
15.03	Adequate Fresh Water Casi	ing			
15.02	Adequate Coal Casing				
15.01	Adequate Production Casin	ng			
15.04	Adequate Cement Strength				
23.02	Maintained Access Roads				
25.01	Necessary Equipment to pr	revent Was	te		
23.03	Reclaimed Drilling Site				
23.04	Reclaimed Drilling Pits			X	
23.05	No surface or underground	Pollutio	n	-	
7.03	Identification Markings			1	
COMMENTS:				/(	
	D.K. Jo. A	CLEAS			

I have inspected the above well and (HAVE/HAVE NOT) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas Department of Mines of the State of West Virginia.

04/05/2024



# State of West Virginia Bepartment of Mines Oil and Cas Division Charleston 25305

WALTER N. MILLER
DIRECTOR

November 14, 1983

THEODORE M. STREIT
ADMINISTRATOR

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

Gentlemen:

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:

PERMIT NUMBER

FARM AND WELL NUMBER

DISTRICT

RIT-5998-REN.

Ernest Lantz/Chandos Hickman, #J-733,

RIT-6196

Jack Burg/Roger Scott, #J-744,

Clay

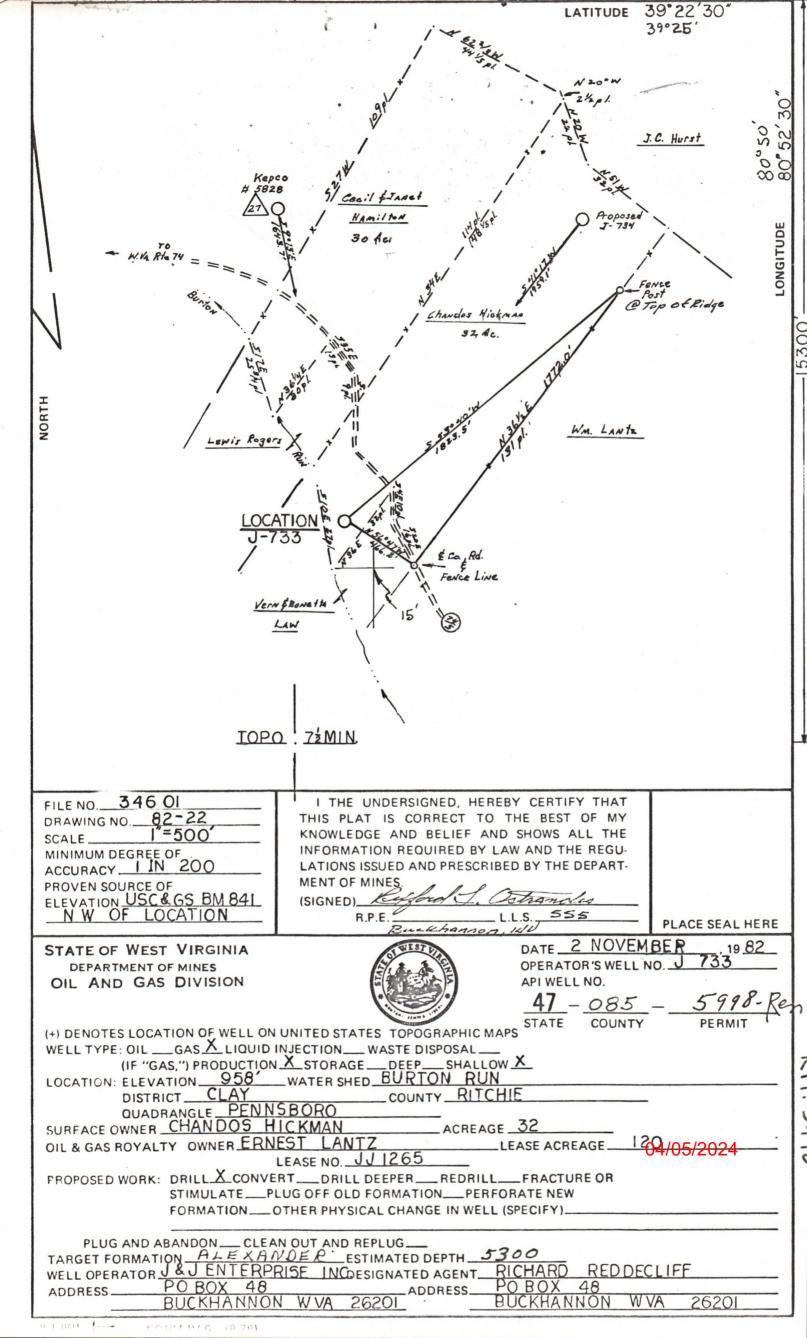
In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.

Very truly yours,

Theodore M. Streit, Administrator

Dept. Mines-Office of Oil & Gas

TMS/rl



#### OIL AND GAS LEASE

J-734 293

AGREEMENT, made and enter	ed into this 7th Joe 1. and Lin		otember	A.D. 19_82	by and between
	doe B. and Br.	naci banca, m			
party of the first part, hereinafte	r called Lessor (whether one or mor	e), and J & J E	Interprises,	Inc. party of	f the second part,
hereinafter called Lessee;  1. WITNESSETH: That the	Lessor, in consideration of the sum d, does hereby grant unto the Les	of One Dollar, the rec	eipt of which is here	eby acknowledged, and the	ne covenants and d under the land
baselasflor described together	with the exclusive right to drill for	nroduce and market	oil and gas and thei	ir constituents, and also t	ne right to enter
to possess use and occupy so m	ose of drilling and operating for oil, uch of said premises and other land	ds of Lessor as is necess	sary and convenient	for said purposes and to	convey the above
County of Ritchi	ereto by pipe lines or otherwise; said	of west virg	ginia	and described a	s follows, to-wit:
Bounded on the NORTH by land EAST by lands of	ds of Louise McCo James Lantz	llough			,
SOUTH by lands of	Chandos Hick Lewis Roger			OIL & GAS E	IVISION
WEST by lands of Containing 30	acres, more or less and be	eing the same land conve	eyed to Book No	DEP Tby DE	MINES
2. It is agreed that this lease sl	and recorded in said county recordable remain in force for a primary te	rm of One	( <u>l</u> ) ye	ears from this date and as	ong thereafter as
3 The Lessee shall deliver to	eing conducted on the premises, of the credit of the Lessor free of cost,	in the pipe line to which	h he may connect his	s wells, the equal one-eigh	th (1/8th) part of
all oil produced and saved from	the leased premises, and shall pay I	essor one-eighth (1/8th	) of the price receive	ed by Lessee for all gas an	d casing head gas

3. The Lessee shall deliver to the credit of the Lessor free of cost, in the pipe line to which he may connect his wells, the equal one-eighth (1/8th) part of all oil produced and saved from the leased premises, and shall pay Lessor one-eighth (1/8th) of the price received by Lessee for all gas and casing head gas produced and sold from the premises, payable monthly; during any period (whether before or after expiration of the primary term hereof) where there is an oil or gas well on the leased premises or on a unit that includes all or a part of the leased premises, however designated, capable of producing oil or gas in paying quantities and oil or gas is not being sold or used and the well or wells are shut-in and there is no current production of oil or gas or operations on the leased premises or any portion thereof sufficient to keep this lease in force, Lessee shall be obligated to pay or render as shut-in royalty an amount (which shall be the same and shall be paid regardless of the number of shut-in wells and regardless of whether the shut-in well or wells be located upon said leased premises or upon such other acreage as is embraced in such unit) for each three-month period equal to one-quarter (1/4th) of the annual delay rental as hereinabove provided, and it will be considered that oil or gas is produced for all purposes of this lease during any period that such well or wells are so shut-in. Said shut-in royalty for the first three-month period shall be payable within forty-five (45) days following shutting in of the first well, and payment for each subsequent three-month period shall be payable on or before the beginning date of each subsequent three-month period. Lessee shall use reasonable diligence to market oil or gas capable of being produced from such shut-in well or wells but shall be under no obligation to market such gas a shall to the productory.

5. All moneys coming due hereunder shall be paid to Lessor by check payable to his (or her) order mailed to Lessors

and no default shall be declared against the Lessee by the Lessor for failure of the Lessee to make any payment or perform any conditions provided for herein unless the Lessee shall refuse or neglect to pay or perform the same for thirty (30) days after having received written notice by registered mail from the Lessor of his intention to declare such default.

written notice by registered mail from the Lessor of his intention to declare such default.

6. If Lessor owns the surface over any part of the premises, then Lessor reserves 300,000 cubic feet of gas per annum for domestic use, to be taken through his own appliances at any producing gas well, and agrees to pay Lessee a fair domestic rate for any gas used in excess thereof. Lessor further covenants and agrees that his taking and use of gas shall be wholly at his own risk, the Lessee not to be held liable for any accident or damage caused the state of the sta

8. If said Lessor owns a less interest in the oil and gas in and under the above described land than the undivided fee simple estate therein, then the royalties and rentals herein provided shall be paid the Lessor only in the proportion which his interest bears to the whole and undivided fee, and further provided that this Agreement shall remain in force for a primary term during which operations may be delayed by the payment of delay rentals pursuant to paragraph 4 hereof beginning on the date of execution hereof and ending at the end of a period which begins on the date upon which the Lessee has, by the execution of appropriate instruments, perfected merchantable title to the entire seven-eighths working interest for oil and gas purposes to the land, which period shall have a duration equal in length to the period of time initially specified for the primary term as set forth in paragraph 2 hereof. Notwithstanding the foregoing, the total duration of the primary term during which operations may be delayed by the payment of delay rentals pursuant to paragraph 4 hereof shall not exceed ten years.

9. No well may be drilled nearer than 200 feet to any house or barn now on said premises without the written consent of Lessor. Lessee shall have and enjoy all rights and privileges necessary and convenient for the proper use and development of this lease, and shall have the right to use, free of cost, gas, oil and water produced on said land for its operations thereon, except water from wells of Lessor. Lessee shall also have the right at any time to remove all or any part of the machinery, fixtures or structures placed on said premises, including the right to draw and remove casing. Lessee shall pay for damages caused by its operations to growing crops on said lands, and, when requested by Lessor, shall bury its pipe lines below plow depth.

10. The interest or estate of either party hereto may be assigned, the privilege of assigning in whole or in party being expressly allowed. In event this lease shall be assigned as to any part or parts of the above described land and the assignees or assignees of such part or parts shall fail or make default in the payment of the proportionate part of the rents due from him or them, such default shall not operate to defeat or affect this lease insofar as it covers a part or parts of said land upon which the said Lessee or any assignee thereof shall make due payment of said rental. No change of ownership in the land or in the rentals or royalties shall be binding on the Lessee until after notice to the Lessee and it has been furnished with a written transfer or assignment or a certified copy thereof.

11. At any time, Lessee, its successors or assigns, shall have the right to surrender this lease or any part thereof for cancellation, after which all payments and liabilities hereunder thereafter shall cease and determine, and if the whole is surrendered, then this lease shall become absolutely null and void. This surrender may be made to the Lessor, or if more than one Lessor, then to any one of them, or to the heirs or assigns of any one of them by delivery of a duly executed surrender thereof in person or by mail addressed to the post office address of such person, or by recording a duly executed surrender thereof in the Office of the Clerk of the County Commission in the County in which the land is located.

12. Lessor hereby warrants and agrees to defend the title to the land herein described and agrees that the Lessee at its option may pay, discharge or

12. Lessor hereby warrants and agrees to defend the title to the land herein described and agrees that the Lessee at its option may pay, discharge or redeem any taxes, mortgages, or other liens existing, levied, or assessed on or against the above described lands, and in event it exercises such option, it shall be subrogated to the rights of any holder or holders thereof and may reimburse itself by applying any royalty or rentals accruing hereunder to the discharge of any such taxes, mortgages or other liens.

13. It is expressly agreed that if the Lessee shall commence drilling operations at any time while this lease is in force, it shall remain in force and its terms continue so long as such operations are prosecuted, and if production results therefrom then as long as production continues. "Operations", as used herein, shall be deemed to be commenced when the first material or equipment is placed on the leased premises or when the first work, other than surveying or staking the location, is done thereon which is necessary for such operations. If after the expiration of the term of this lease production from the leased premises shall cease from any cause, this lease shall not be terminated provided Lessee resumes operations within sixty days from such cessation and this lease shall remain in force during the prosecution of such operations, and, if production results therefrom, then as long as oil and gas is produced in paying

14. In the event of force majeure, such as, but not limited to, Lessee's inability, anticipatory or otherwise, to market natural gas from the premises to the nearest pipeline company at the then maximum lawful price for natural gas of the same vintage, upon notice thereof to Lessor all time periods provided for herein shall be tolled during the period of such force majeure provided Lessee shall continue to pay delay rentals at the rate provided for herein.

DAGLYED TOPOGRAFIEC MAP.

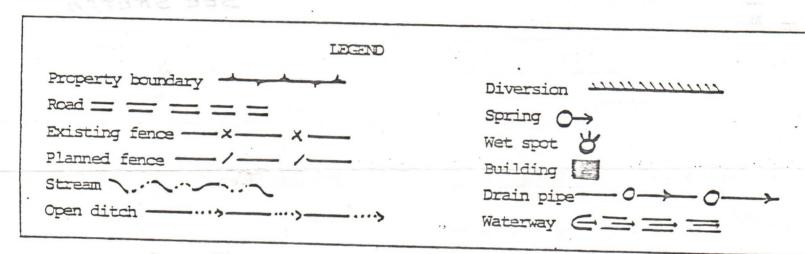
Pennsboro 7.5

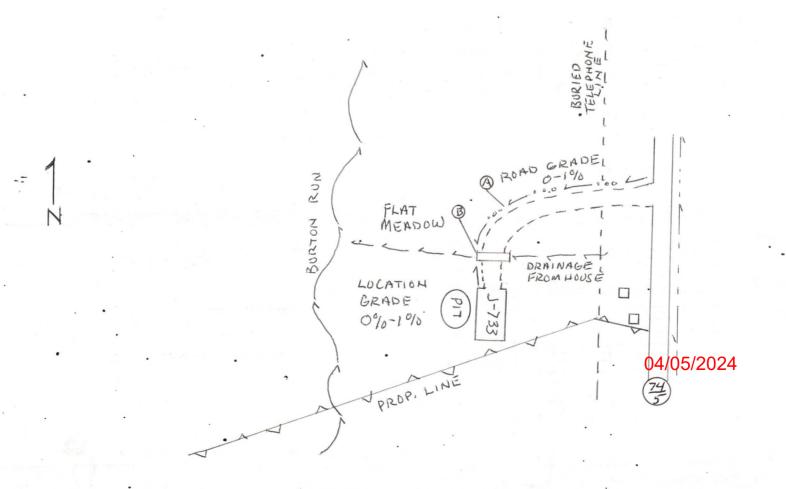
Mell Sits ()
Access Road —



#### WELL SITE PLAN

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





Attach separate sheets as

Nov. 3, 1982

085

WELL NO. J-733

472-9403

State of Mest Virginia API NO. 47

Bepartment of Mines Bil amd Gas Zivision

CONSTRUCTION OF THE PROPERTY O	ON AND REC	LAMATION PLAN	
COMPANY NAME J & J Enterprises, Inc.	DI	ESIGNATED AGENT Richard M. Reddecliff	
Address P.O. Box 48 Buckhannon, N		Address P.O. Box 48 Buckhannon, W	V
Telephone 472-9403		Telephone 472-9403	
LANDOWNER Chandos Hickman	· ·	SOIL CONS. DISTRICT Little Kanawha	
Revegetation to be carried out by	Robert Ro		
This plan has been reviewed by L	1+1/e	Kanawha SOD. All correction	20
and additions become a part of this pla		1.5-82	_
		(Date)	
	Jan	(SCD Acent)	
200000		الكت المالية	
ACCESS ROAD		LOCATION	
Structure Drainage Ditch	(A)	Structure See Sketch	_
Spacing Ro be constructed along road		Material	
Page Ref. Manual 2:10		Page Ref. Manual	_
Structure Culvert 8"			_
Structure Culvert 8"	(B)	Structure	-
Spacing		Material DECENTRED	
Page Ref. Manual 2-8		Page Ref. Manual	
Structure	(0)	NOV 1 0 1982	-
	(C)	Structure	_
Spacing		Material DEPT, DE MINISTON	
Page Ref. Manual		Page Ref. Manual	
All structures should be inspected	regularly	and repaired if necessary 411	
commercial timber is to be cut and so cut and removed from the site before	tacked and	all homien and mail timber to be	
out and removed from the stile before	airt work	begins.	
ਜ	EVECENDAMICO	N	
Lime 3 Tops:/acm		Treatment Area TT	
or correct to ph	2	Lime 3 Tons/a	20
Fertilizer 600 lbs/acre		or correct to pH 6.5	
(10-20-20 or equivalent)		Fertilizer 600 lbs/ac	=
Mulch HAY 2 Tons/acre		(10-20-20 or equivalent)	
C1+	•	Mulch HAY 2 Tons/a	2
Dojace		Seed* Orchard Grass 12 lbs/ac	
Annual Rye 4 lbs/acre		Annual Rye 4 lbs/ac	
Birdsfoot Trefoil 10 lbs/acre		Birdsfoot Trefoi 04/05/2024 bs/ac	
*Inoculate all legumes such as vetch, Inoculate with 3X recommended amount.	trefoil o	and clovers with the proper bacterium	
	PLAN PREF	PARED BY Ed Summerfield	
NOTES: Please request landowners'		ADDRESS P.O. Box 48	
section to protect new section for one growing season.		Buckhannon, WV 26201	-

## DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S WELL REPORT

Permit No. 085-59	198 Ren.			Oil o	r Gas Well
Company Jy J	Enterprises Inc	CASING AND TUBING	USED IN	LEFT IN	PACKERS
Address		Size			A CONTRACT OF THE CONTRACT OF
Farm Chandos	Hickman	16			Kind of Packer
Well No. J - 733	3	13			
District Clay	County R. tch.	e 81/4			Size of
Drilling commenced		65%	COLUMN TO THE REAL PROPERTY.	EM	Depth set
Drilling completed	Total depth	5 3/16	CELV		20. 10. 10.
Date shot	Depth of shot	2	JUL 1 9 1983	Same of the same o	Perf. top
nitial open flow	/10ths Water in	Inch Liners Used			Perf. top
Open flow after tubing	/10ths Merc. in	Inch	T. OF M	INES	Perf. bottom
olume	Cu	. Ft. CASING CEMEN	TED	SIZE	No. FTDate
ock pressure	lbs			Y	Date
15' 15'	stream bbls., 1st 24	hrs. COAL WAS ENC	OUNTERED A		FEETINCHES
resh water 55' /5"	streetm				FEETINCHES
lt water	feet	feetFEET			FEETINCHES
rillers' Names C. P.	Marrell R. A	Piggle Man			INCHES
5. W.	Jack #21	))	po	SHELL Y	iwarence Strau
marks: Rigged	Jack #21 I up drilling	120' deep	).		

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

#### INSPECTOR'S PLUGGING REPORT

Permit No.				W	II No	
COMPANY			ADDRESS			
FARM		DISTRICT	C	OUNTY	Tit	
Filling Material Used						
Liner ]	Location	Amount	Packer	Location	n	27.7
PLUGS USE	D AND DEPTH PLACED		BRIDGES	CASI	NG AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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Server Carlo				***************************************		
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rillers' Names					manage of the second party	
	80			A CONTRACTOR OF THE PARTY OF TH		2 12 12 12
Remarks:	in a second	1000				agin hal
DATE	I hereby certify I v	visited the abov	e well on this date.			

FORM IV-35 (Reverse)

[87-80]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STITULATING, PHYSICAL THANGE, ETC.

Devonian Shale: Perforations: 5624-5950 (20 Holes)

Fracturing: 2500 lbs. 80/100 sand: 30,000 lbs. 20/40 sand: 500 gal Acid:

480 Bbls. fluid.

Alexander: Perforations: 5018-25 (14 holes)

Fracturing: 3400 lbs. 20/40 sand: 48,300 lbs. 20/40 sand: 500 gal. Acid:

480 Bbls. fluid.

Riley & Benson: Perforations: 4727-30 (7 holes) 4346-66 (3 holes) Fracturing: 3800 lbs. 80/100 sand: 47,700 lbs. 20/40 sand: 500 gal Acid:

480 Bbls. fluid.

WELL 100

FORMATION	Color	Hard or Soft	Toc Feet	Bottom Feet	Remarks Including indication of all freed and salt water, coal, oil and gas
Clay			0	8	1" stream @ 15'
Sand, shale & red Coal			8 500	500 502	1½" stream @ 75'
Sand, shale & red Sand, shale & red	rock		502 630	630 861	1½" stream @ ;05'
Sand, shale & red Sand & shale	rock		861 1150	1150 1720	½" stream @ 120
Big Lime & Injun Sand & shale Shale & sand			1720 1940 2505	1940 2505 3200	Gas ck @ 2095 8/10-1 <sup>1</sup> 4" w/water 33,282 cu.ft.
Sand & shale Sand & shale Riley			3200 - 3325 4346	3325 4346 4366	Gas ck @ 3421 30/10-1" w/water 41,222 cu.ft.
Sand & shale Benson Sand & shale			4366 4727 4730	4727 4730 5018	Gas ck @ 3608 20/10-1" w/water 33,679 cu.ft.
Alexander Sand & shale Sand & shale			5018 5025 5186	5025 5186 5624	Gas ck @ 4017 18/10-1" w/wate. 31,950 cu.ft.
Devonian Shale Brown shale			5624 5950	5950 5965 T.D.	Gas ck @ 4460 20/10-1" w/water 33,679 cu.ft.
					Gas ck @ 4870 67/10-1" w/water 61,679 cu.ft.
				*	Gas ck @ 5155 48/10-1" w/water 52,715 cu.ft.
		20			

(Attack separate sheets to complete as necessary.

J&J Enterprises, Inc. Meil Operator Robert Dahlin 04/05/2024 Geologist

Regulation 2.32(i) provides as follows:

"The serm 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including total, encountered in the drilling of a well."



August 10, 1983 Operator's Well No. \_ J-733 API Well No. 47-085 -5998-R

DEPT. OF MINES

Bottom Hole

STATE OF WEST VIRGINIA

OIL & GAS DIVISION

DEPARTMENT OF MINES, DIL AND GAS DIVISION

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

						Underground sto atershed: <u>Burt</u>			
					(9)	ounty: Ritch		drana's: Pe	nnsboro
						DE			
			Buck	hannon	, WV 262	201			nnon, WV 26201
	PERMITTED WOR	K: Ori	11 <u>x</u>	_/ Con	vert	/ Orill deeper	Redri	:/ Frac	ture or stimulate
		Plu	ig off	old for	mation	/ Perforate	e new formatio	n/	
		Oti	ner phy	sical c	hange in	well (specify)			- N
	PERMIT ISSUE:	о ом	6/2	3	, 19	83 0	IL & GAS INSP	ECTOR FOR THIS	WORK:
	(IF APPLICAE:	LE: PL	UGGING	OF DRY	HOLE ON .	N			
	CONTINUO REWORKI	OUS PRO	GRESSI RBAL P	ON FROM ERMISSI	DRILLING N DETAIN	OR ED	Address _	P.O. Box 66	
				, 19				Smithvil	le, WV 26178
	GEOLOGICAL T	ARGET F	ORMATI	ON:	Alexa	nder		Depth 501	8-25 feet
						_ feet Rota			
	Water s	trata d	epth:	Freshl	5,75,10	5,120 salt,_	O feet.		
						Is coal bei		he area? . No	
									, 1983
	CASING AND T								
	CASING OR TUBING TYPE		SFECI	FICATIO Weight	ons . l.	FOOTAGE I	NTERVALS (	CR SACKS	PACKERS
	Conductor	113//	H-AC	A2	New Juses	30	O Veri	0 sks.	l was
	Conductor	0 5/9	EDW	22	X	1423.85		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWIND TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN	Address of the last of the las
		11			1	11	ll ll		Sizes and wants
	Coal	1	ERW	23	Х	1423.85	1423.85	360 SKS.	13229
	Intermediate	11	.T-55	10.5	x	5975.75	5975.75	400 sks.	Desths set
		1 2	0 33	10.5	-				
	Tubing	1					i		   Perforations:
	Liners								Top 3 Bot
		1					"		4344 4366
	-	1							4727 4730 5018 5025
		1					Н		5624 5950
	OPEN FLOW DA	Tà							
	Produci	ng for:	mation	. De	evonian	Shale		Pay zone dept	5624-5950
	Ga.	3: In:	itial o	pen flo	w,	Mof/d	Cil: Initial	open flow,	
						Mcf/d			
	23.0021					etween initial			
	5.5	atic r	ock pre	essure,	1700	psig (surface :	measurement)	after 96 ho	urs shut in
	Car and	: licabl	iue :	o multi	iple compl	letion]		0.	4/ <b>05</b> / <b>202</b> 4
	Second	produc	ing for	rmation	Alexand	ler,Riley &Be	enson	Pay zone dept	. 5018=25
						Mcf/d			
						Mcf/d			
						etween initial			
Hole =PweXC		tatio r	ook pr	essure,		psig (surface	measurement;	efter ho	urs shut in