

1)	Date: 19	March	, 19 84
2)	Operator's Well No.	JK-929	ORM 1V-2(B)
3)	API Well No	47 - 085	- 6894

County

Permit

State

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

4) WELLTYPE: A Oil										
District: Clay County Ritchie Quadrangle: Ellenboro  Nuell OPERATOR J&J Enterprises, Inc.  Address PO Box 48  Buckhannon, WV 26201  Solik & Gas Inspector to be notified Name Samuel Hersman  Address PO Box 66  Smithville 26178  District Work: Drill X Drill deeper Redrill Stimulate X Buckhannon, WV 26201  PROPOSED WELL WORK: Drill X Drill deeper Redrill Stimulate X Buckhannon, WV 26201  PROPOSED WELL WORK: Drill X Drill deeper Redrill Stimulate X Buckhannon, WV 26201  Description of feet of feet Salt Office of Samuel Approximate coal seam depths: Fresh, Sone Is coal being mined in the area? Yes. Office of Sacks Coal Samuel Hersman Specific None Is coal being mined in the area? Yes. Office of Sacks Coal Samuel Hersman Specific None Is coal being mined in the area? Yes. Office of Sacks Coal Samuel Hersman Specific None Is coal being mined in the area? Yes. Office Sacks Coal Sacks Coal Samuel Hersman Specific None Is coal being mined in the area? Yes. Office None Sacks Coal Sacks	4) WELL	ГҮРЕ: А	Oil	/ G	as	ero	ONS (IF ANY)	AND CONDITION	DIFICATIONS	PERMIT MO
Objective District: Clay County: Ritchie Quadrangle: Ellenboro Designate Date Po Box 48		В	(If "Gas",	Production	on	X	/ Underground	storage	_/ Deep	$\underline{\hspace{1cm}}$ Shallow $\underline{\hspace{1cm}}\underline{\hspace{1cm}}$ /)
Address PO Box 48 Buckhannon, WV 26201  8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Samuel Hersman Address PO Box 48 Smithville 26178  10) PROPOSED WELL WORK: Drill Y Drill deeper Plus off old formation Plus off old formation Plus off old formation Devonian Shale 12) Estimated depth of completed well, 5995 feet 13) Approximate crast adepths: Fresh, 150 feet; salt, 0 feet. 14) Approximate coal seam depths: Presh, 150 feet; salt, 0 feet. 15) CASING AND TUBING PROGRAM CASING OR STECHICATIONS PROGRAM CASING OR Presh water S5/8 ERW 23 x 106 1300 logo O 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 0 SKS. Nimds Conductor 113/4 H-40 42 x 30 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 4½ J-55 10.5 x 5950 5950 350 SKS. Depths sep Production 47-095-6894  Certain number 47-095-6894  Certain number 47-095-6894  Date: Dat	5) LOCAT						Watershed:	Bonds	Creek	
Address PO Box 48 Buckhannon, WV 26201  8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Samuel Hersman Address PO Box 66 Smithville 26178  10) PROPOSED WELL WORK: Drill X Drill deeper Redrill Stimulate X Plug off old formation Perforate new formation Other physical change in well (specify) Devonian Shale 12) Estimated depth of completed well, 5995 13) Approximate trata depths: Fresh, 150 feet, salt, 0 feet, 0		D	istrict:	Стау			County: R	tchie	Quadrangle: _	Ellenboro
Buckhannon, WV 26201  8) OIL & GAS INSPECTOR TO BE NOTIFIED  Name Samuel Hersman  Address PO Box 66  Smithville 26178  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, 5995 feet 13) Approximate trata depths: Fresh, 150 feet; salt, 0 feet. 14) Approximate coal seam depths: None Is coal being mined in the area? Yes OH NOCAS*DIVISION CASING AND TUBING PROGRAM  CASING GR  CASING AND TUBING PROGRAM  CASING BERW 23 x ON 1300 1080 TO SURface Size For drilling Left in well  Conductor 113/4 H-40 42 x 30 0 0 Sks. Kinds  Fresh water 85/8 ERW 23 x ON 1300 1080 TO SURface Size For drilling Left in well  Conductor 113/4 J-55 10.5 x 5950 5950 350 sks. Depths set  Date 120 50 50 50 50 50 50 50 50 50 50 50 50 50		OPERATOR	DO D	enter	pris	es,	Inc.			
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Samuel Hersman Address PO Box 66 Smithville 26178  Plug off old formation Other physical change in well (specify) Devonian Shale  12) Estimated depth of completed well, 13) Approximate trade depths: Fresh, 14) Approximate trade depths: Fresh, 150 feet; salt, 14) Approximate toal seam depths: None 15) CASING AND TUBING PROGRAM CASING AND TUBING PROGRAM TUBING TYPE Sire Grade per to None 13,3/4 H-40 42 x 30 0 0 0 8ks. Kinds Fresh water 85/8 ERW 23 x 66 1300 1300 1060 To surface Coal 85/8 ERW 23 x 66 1300 1300 1060 To surface Coal 85/8 ERW 23 x 66 1300 1300 1060 To surface Freshwater 85/8 ERW 23 x 66 1300 1300 1060 To surface Coal 13,4/4 H-40 42 x 5950 5950 5950 350 sks. Depths sej Intermediate Freshwater  OFFICE USE ONLY DRILLING PERMIT  OFFICE USE ONLY DRILLING PERMIT  Date 100 00 100 110 110 110 110 110 110 110	Addi	ess			- T.1	77. 00	2007	Address		THE MENT OF REAL PROPERTY AND ADDRESS OF THE PARTY OF THE
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Smithville 26178   Buckhannon, WV 26201	Addr	ess P(	) Boy	66	1			Name	S. W. Jac	k Drilling, Co.
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CASING OR TUBING TYPE   Size   Grade   Well   Grade   Footdage intervals   Size   Grade   Well   Grade   Footdage intervals   Cement Fill_UP   OR SACKS (Cubic feet)							Is co	al being mined in the a	rea? Yes	OIL & CAS DIVISION
Conductor   1.13/4   H-40   42   x   30   0   0   sks   kinds		11					II FOOTAGE			TOT OF MINI
Conductor   1.13/4   H-40   42   x   30   0   0   sks   kinds	TUBING TYPE		1	Weight	1	۱		1	OR SACKS	PACKERS
S   S   S   ERW   23   X   OS   1300   1300   1080   To surface   S   S   S   S   S   S   S   S   S	Conductor					Used			(Cubic feet)	
Street   S	Fresh water						1	- 1		
OFFICE USE ONLY DRILLING PERMIT  All the production 4½ J-095-6894  OFFICE USE ONLY DRILLING PERMIT  March 23, 1984  Date	Coal	Control of the control of	AND THE PARTY OF T					- Control of the Cont	THE RESERVE OF THE PARTY OF THE	
OFFICE USE ONLY DRILLING PERMIT  47-095-6894  March 23, 19 84  Date  Date  Date  Date  Depths set  OF AS PEQ By Pulk ISC  Perforations:  Top  Bottom  March 23, 19 84  Date	Intermediate	100/0	LIKW	23	X		08: F300	1300 1000	To surface	Sizes
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OFFICE USE ONLY DRILLING PERMIT   March 23, 19 84  Date Date Date Date Date Date Date Date			ections	izni ga	volle	yme b	Mergerences at	fettes located by	la bacona na si Ya	
DRILLING PERMIT  Permit number 47-095-6894  March 23, 19 84  Date 100 odd 10-0001000000										20,000
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DRILLING PERMIT  Permit number 47-095-6894  March 23, 19 84  Date 105 odd 10-0001000000000000000000000000000000										
DRILLING PERMIT  Permit number 47-095-6894  March 23, 19 84  Date 105 odd 10-0001000000000000000000000000000000				4	2) (V	ag <sub>a</sub> ni ata	OFFICE USE C	NIV		Legiter retred
ermit number 47-095-6894  March 23, 19 84  Date to be delighted to delight of the content of the					1					
Date light out to march 23, 19 84	ermit number	47-1	095-68	94						Well work started
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irements subject to the conditions contained begin and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal re-	is permit cov	ering the we	Il operator	and wall	1				Date	
	irements subi	ect to the co	nditions co	and well	location	shown	below is evidence of	f permission granted t	o drill in accordance	e with the pertinent legal re-
	strict oil and g	as inspector	24 hours	before acti	ual perr	nitted w	ork has commenced	in addition, the well (	operator or his contr	actor shall notify the proper
strict oil and gas inspector 24 hours before actual permitted work has commenced.)	e permitted w	ork is as des	cribed in t	he Notice	and An	plicatio	n plat and reclamat			The state of the s
strict oil and gas inspector 24 hours before actual permitted work has commenced.)	erse hereof.	<b>W</b>	1 00	1004	una rip	pheatio	ii, piat, and reclamat	ion plan, subject to a	ny modifications and	d conditions specified on the
trict 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 verse hereof.	rmit expires _	Marc	en 23,	1986			unless well w	ork is commenced pri	or to that data and n	
the permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the			100					ora is commenced pri	or to that date and p	
the permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the verse hereof.    March 23, 1986	Bond:	Agent:	PI	at:	Casing		Fee			OTHER INSIDECTION
the permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the verse hereof.  The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the verse hereof.  The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the unless well work is commenced prior to that date and prosecuted with due diligence.	WINE!	0	n	111	100	,	100			1
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strict 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 verse hereof.  The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the unless well work is commenced prior to that date and prosecuted with due diligence.  Bond:  Agent:  Plat:  Casing  Fee  Margaret  Agent:  Plat:  Casing  Fee  Margaret  Agent:  Plat:  Casing  Fee  Margaret  Agent:  Agent:  Plat:  Casing  Fee  Margaret  Agent:  A	File		See th	e reverse s	ide of t	he ADD	LICANTIE CODY			O 4 100 100 File
rmit expires March 23, 1986  Bond: Agent: Plat: Casing Fee March 24 March 25 March 26 March 27 March 27 March 27 March 28 March 28 March 28 March 29 March 2				3.00	or t	at AFF	LICANI S CUPY f	or instructions to the	well operator.	04/26/2024

FORM	IV-2(B)
Reverse	

FILE COPY

THUE COPY

ORNI IV-2(B) Doverse)

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Richard Reddecliff	7) DESIGNATED AGENT	.30.	Tbee	inggoin		WELL OPERAT
	Address FO	F.O.	050 700	T COURT	03 UY	_ Address _
editampona NV 26201						OIL & GAS INS
TOR:	9h DRILLING CONTRAC			0.51450	el Leim	
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MEN ESTAN						3) Approximate
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2 05 180 hs 726 1	OFFIC	E USE ONLY				
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nis part of Form IV-2(b) is to re	ecord the dates of certain	occurrences a	and any fo	ollow-up ins	pections.	
						Date(s)
	Date					Dute(s)
		Follow-u	n inspecti	ion(s)		
pplication received	YJIN	PERCE USE O	0			
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a date and prosecuted with due difference.						
THER INSPECTIONS			F 91	t. Casin	reprise Pla	sa tr
Reason:		0 60		11	m	7
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See the reverse side of the APPLICANTS COPY for instructions to the well operator.

IV-9 (Rev 8-81)



DATE 19 March 1984 WELL NO. - TK- 929

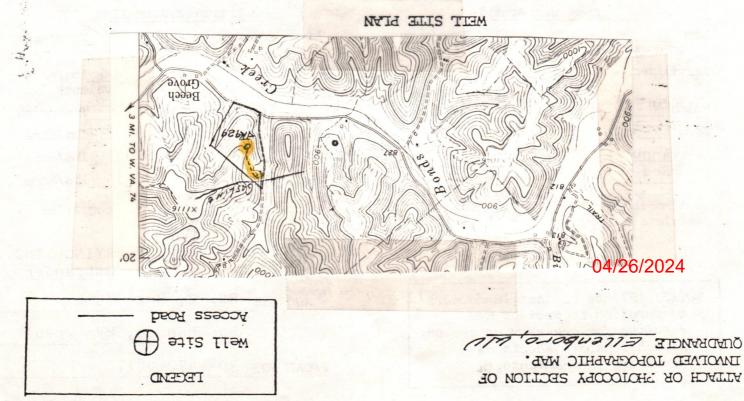
# State of Mest Airginia

API NO. 47 - 085-6894

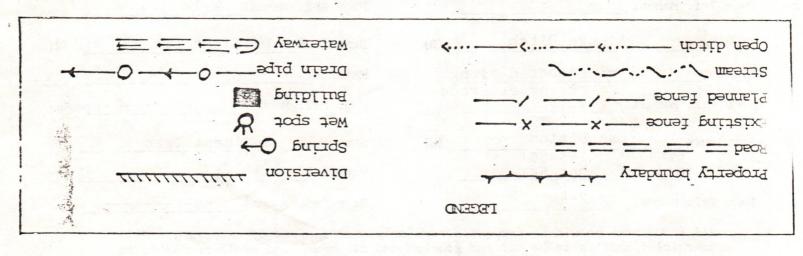
Bepartment of Mines Gil und Gas Bivision

### CONSTRUCTION AND RECLAMATION PLAN

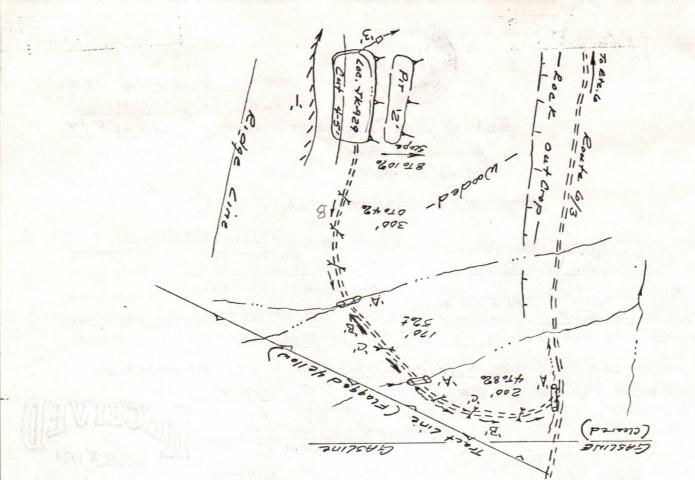
COMPANY NAME J&J Enterprises, Inc.		DESIGNATED AGENT Richard Reddicliff
Address Buckhannon, WV 26201		PO Box 48 A PSS Buckhannon, WV 26201
Telephone 304-472-9404		Telephone 304-472-9404
LANDOWNER Richard L. Golf Pennsbor	= 90 0 WU Z641	SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be carried out by		Enterprises, Inc. (Agent)
	- 1	Kanawha SCD. All corrections
and additions become a part of this plant Field Reviewed.	n: ////	(Date) 553667777
Field Rediewra.	10	(SCD Agent) COM
	1	(SCD Agent) CPM. MAR 2 3 1984
ACCESS ROAD		I COUTON
Stranding Culturate	(2)	OIL & GAS DIVISIO
Structure Culverts	(A)	Structure Diversion Ditch. of WIN
Spacing AS Shown and As Needed		Material Soil (2% max. slope)
(15" min. when leaving a Page Ref. Manual 2-7	state	Page Ref. Manual 2-12
Structure Drainage Ditch	(B)	Structure Drilling Pit (2)
Spacing To be constructed along	5	Material Soil
the access roa 2-12	id.	Page Ref. Manual
Stricture Cross Drains	(0)	Standard Burnet
5%-135' 15%-60'	(C)	Structure Sediment Trap (3)
Spacing 10% - 80' 20% - 45'		Material Soil
Page Ref. Manual 2-4		Page Ref. Manual
All structures should be inspected commercial timber is to be cut and scut and removed from the site before  WOODS & PASTURE FIELD	tacked a	nd all brush and small timber to be rk begins.
Treatment Area I		Treatment Area II
Lime 3 Tons/acm	e Walt	Lime 3 Tons/acre
or correct to pH 6.5		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 2 Tons/acm	e	Mulch 2 Tons/acre
Seed*Ky-31 Tall Fescue 30 lbs/acre		s Ky-31 Tall Fescue 30 lbs/acre
Annual Rye 5 bs/acre		Annual Rye 5lbs/acre
Red Clover 10 ibs/acre		Red Clover 10 lbs/acre
		l and clovers with the proper bacterium.
		OCEDANDED TANK
	PLAN	OSTRANDER LAND SURVEYING, INC.  PREPARED BY Rexford L. 054/26/2024
NOTES: Please request landowners'.		ADDRESS Rt. 2, Box 375-6
cooperation to protect new seedling for one growing season.		Buckhannon, WV 26201
Attach separate sheets as necessary for comments.		PHONE NO. 304-472-0817



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



-All cuts to be on a 2:1 slope unless in rock.
-Drainage to be maintained after completion of well and seeding to commence within & months after completion of well.



FORM IV-2(A) 1) Date: 19 March · Obverse 2) Operator's [8-83] Well No. JK-929 3) API Well No. 47 -085 - 68 State County Permit STATE OF WEST VIRGINIA DEPARIMENT OF MINES, OFFICE OF OIL & GAS NOTICE OF APPLICATION FOR A WELL WORK PERMIT 4) SURFACE OWNER(S) OF RECORD TO BE SERVED 5(i) COAL OPERATOR (i) Name Richard L. Goff Address Rt. 2, Box 90 Address 5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD: Bennsboro, WV (ii) Name Richard L. Goff and others Name Address Address Rt. 2, Box 90 Pennsboro, WV (iii) Name Name (List attached) Address Address 5(iii) COAL LESSEE WITH DECLARATION ON RECORD: Name Address TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents: (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing an (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 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 GAS DIVISION ACTION AT ALL. T. OF MINES Take notice that under Chapter 22 of the West Virginia Code, the undersigned well of erator 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: MAR 2 3 1984 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. OIL & GAS DIVISION The requirement of Code 22-4-1-(c)(1) through (4). (See reverse side for specifics.) DEPT. OF MINES 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 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 The truth of the information on the WEILT. Notice and Application is verified OPERATOR J&J Enterprises, and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by Its Designated Agent Richard Reddecliff Address

1984

sinia

this 21day of

My commission expires

State of West

Notary Public, ushur

March

04/26/2024

WV 26201

PO Box 48

Telephone 304-472-9403

Buckhannon,

#### 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-lb(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-lk 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-lk(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 § 22-4-8a 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-lm, 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-

- 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 F	Page
Richard L Goff	J&J Enterprises, Inc.	1/2of1/8-100%	
		165	544
Dora Naomi Heflin		1/6of1/8-100%	
		165	544
	*		
Beulah A. ROlston		1/6of1/8-100%	
			544
Helen Louise RIggs		1/6of1/8-100%	
		165	544

#### SURFACE OWNER'S COPY



1)	Date:	arch		, 19
2)	Operator's Well No	JY-9:	29	
3)	API Well No.	47	085	
	1200	State	County	Permit

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

4) WELL	TYF		oil If "Gas", l	Production			/ Underground	storage	_/ Deep	_/ Shallow/)
5) LOCA	TIOI	N: Ele	evation: _	98	01		Watershed: _	Bonda	Creek	19.7
			strict:	Clay		3 7	County: P11		Quadrangle:	llenboro
		ERATOR		nterp	rise	5	nc.	7) DESIGNATED	AGENT	ed Reddecliff
Add	dress		PO Bo		9.75	2 000	103	Address	FU DOX 40	- 177 06007
				annon	. 944	610 2	14 L		Buckhanno	H. W SDEUL
	GAS	SINSPEC	TOR TO	BE NOTI	FIED			9) DRILLING CO		Drilling, Co.
Name	iress	PO	Box	KK SHOUL				Name	DO BAY DR	DILLERIN CO.
Auc	iress	Rm	thv1	110.2	6178	(		Address	Buckhannon	1. WV 26201
10) PROP	OSE	D WELL	WORK:	Drill	X	/ Dril	l deeper	/ Redrill	/ Stimulate	,
				Plug of	ff old f	formatio		ate new formation_		
				Other p	hysical	change i	in well (specify)		50	CENTRAL CONTRACTOR
11) GEOL	OGI	CAL TAR	GET FOR	MATION	,	Dev	onian Shale		(V)	ALCEUV FILL
			of complet			59	95 feet			
13) A <sub>1</sub>	pprox	kimate trat	a depths:	Fresh, _		150	feet; salt	, 0	feet.	MAR 2 3 1984
14) A <sub>1</sub>	pprox	cimate coa	l seam dep	ths:	Ro	ne	Is co	al being mined in the	area? Yes	
15) CASIN	IG A	ND TUBI	NG PROC	GRAM						CIL & GAS DIVISION
CASING OR TUBING TY	E		SPEC	IFICATIONS   Weight	S		FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERSAINIES
TUBING 111	L	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	TO I OF IVILIALS
Conductor		113/4	H-40	42	×		30	0	0 sks.	Kinds
Fresh water		85/8	ERW	23	×		T300	1300 (USU)	To surface	AIXA MINANT
Coal		85/8	ERW	23	×	45 3.09	08# 1300 C	1300 1000	To surface	Sizes
Intermediate										THE STATE OF THE S
Production		44	J-51	10.5	×		5950	5950	350 sks.	Depths set
Tubing										
Liners										Perforations:
										Top Bottom
										land the second
										NAME OF THE PARTY
		The l	aw require	s a comm	ent peri	od for si	irface owners. Howe	ever the permit can b	e issued in less than 1	5 days from
			NOT AND THE RESIDENCE OF						ntary Statement of No	
		on a facsi	mile of thi	is surface	owner's	copy of	the Application.			
					WO	LINUTAL	DV OTATEMENT (	E NO OBJECTION		
					VUI	LUNIA	KI SIAIEMENI C	OF NO OBJECTION		
I hereby	state	e that I ha	ve read the	instruction	ons to su	irface ov	vners on the reverse s	side of this Application	on for a Well Work Pe	ermit, and that I have received
										Form IV-2(B), (3) a survey plat
	100000								on my surface land	
	rstat	e that I ha	ve no obje	ection to th	ie plann	led work	described in these m	laterials, and I have n	o objection to a perm	it being issued based on those
materials.										
(For execution	on by	corporati	ion, partne	ership, etc	.)		(For	execution by natura	l persons)	
				4				2 1 0.	9 90 01	1
NAME:								Suchaus o	1. Sall	Date: 3-19-84
Ву					1.5			(Si	gnature)	
					1/5				//	Date:
It	s				D	ate		(Si	gnature)	

# 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.

#### COAL OWNER'S COPY



1)	Date: 19	March		_, 19
2)	Operator's Well No	JK-02	0	
3)	API Well No.	47	085	
		State	County	Permit

Coal Owner

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

4) WELLTY						/ Underground	storage	/ Deep	_/ Shallow/)
5) LOCATIO		evation: _	No. of Concession, Name of Street, Str	801			Bonda		_/ Silailow/)
<i>5</i> , 200,		strict:	RESPONDED MADE	WHEN PROPERTY.			Itchie		Filenboro
6) WELL OP	ERATOR	J&J ]			ed. T				rd Reddecliff
Address			ox 48				Address	PO Box 4	
		Buck	hanno	1, 1	V 265	201		Ruckhann	on, WV 26201
8) OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED			9) DRILLING CO	NTRACTOR:	
Name		NEW THEORY OF THE PARTY OF THE		7					k Drilling, Co.
Address		) Box					Address	PO Box 48	
	<u>-Si</u>	nithv:						STATE OF THE PARTY	n, WV 26201
10) PROPOSE	D WELL	WORK:	Drill	X	_/ Drill	deeper	/ Redrill	/ Stimulate/	<u></u>
			Plug of	f old f	formation	/ Perfor	rate new formation_	/	
						well (specify)			
						feet			
							, 0		
14) Appro				NC	ne	Is co	al being mined in the	area? Yes	/ No/
CASING OR	II TOBI		SIFICATIONS			FOOTAGE	NTERVALE T	COMPANY COLUMN	
TUBING TYPE		1	Weight			FOOTAGE I	1	OR SACKS	PACKERS
Conductor	Size 113/4	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conductor Fresh water	113/4	13-40		X		30	0	0 sks.	Kinds
Coal	85/8	A STATES	23	7		1300	1.300	To surface	Sizes
Intermediate	85/8	10.5000	23	×		1300	1300	To surface	Sizes
Production	12	T 8	5 10.1			5950	5950	350 sks.	Depths set
Tubing							3030	JUN SAB.	Depino sec
Liners									Perforations:
									Top Bottom
	are requir	oplication  The followho has r	l operator, by Code by the Dep	coal of \$22-4-3 partmenter must declara	wner(s), and must be find the completion under	nd coal lessee are he led with the Depareted by the coal op	ereby notified that are timent of Mines within the perator and by any country the permit is to be is:	ny objection they wish n fifteen (15) days afte nal owner or coal less	er the receipt
						WAIVER			
The undersigners amined this prundersigned has the West Virginia	oposed wel no objection	l location. on to the w	ork propo	map ex	ists which be done at	covers the area of this location, prov	the well location, the	well location has been	al under this well location has n added to the mine map. The all applicable requirements of
Date:	3-19	3	, 19	84	<u>Y</u>	Æ	Bicha Richa	of flo	pp -
						I	ts		04/26/2024

## AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER

STATE OF 12/est Virginia, COUNTY OF Ritchie :
The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of—  (1) Notice on Form IV-2(A) / Form IV-3(A) / Form IV-4(A) /  (2) Application on Form IV-2(B) / Form IV-3(B) / Form IV-4(B) /  (3) Plat showing the well location on Form IV-6, and  (4) Construction and Reclamation Plan on Form IV-9 (unless the application is to plug a well)
all with respect to operator's Well No
Richard L. Golf Rt. Z. Box 90, Penns boro, W. Va. 26415
by delivering the same in <u>Ritchie</u> County, State of <u>West Virginia</u> on the <u>19</u> day of <u>March</u> , 19 <u>84</u> in the manner specified below.
[COMPLETE THE APPROPRIATE SECTION]
For an individual:  [   Handing it to him
[ ] Handing it to a member of his or her family above the age of 16 years named who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.
For a partnership:  [ ] Handing it to, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.
For a limited partnership:  [ ] Handing it to the general partner, named, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.
For a corporation:  [ ] Handing it to the corporation's employee / officer / director / attorney in fact / mamed
OIL & GAS DIVISION  DEPT. OF MINES  (Signature of person executing service)
Taken, subscribed and sworn before me this 19 day of March, 19 84.  My commission expires 11-18-92
Edward B. Somueld I
(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)  Notary Public

04/26/2024

IV-35 (Rev 8-81)



OIL & GAS DIVISION DEPT. OF MINES

# State of Mest Virginia

Bepartment of Mines Bil und Gas Bivision

Date	October 9, 1984
Operat	
Well N	JK-929
Farm_	Goff
API N	<b>6894</b>

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 980 Watershed 1	Bonds Creel	ζ		
District: Clay County Ritch:	ie	Quadrangle	<u>Ellenbo</u>	ro
				OLEVS -
OMPANY J&J Enterprises, Inc.		100		de a Toet V
DDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement
PESIGNATED AGENT Richard Reddecliff	Tubing	Drilling	in Well	fill up Cu. ft.
DDRESS P.O. Box 48, Buckhannon, WV 26201	Size	90		100 1006
SURFACE OWNER Richard Goff	20-16		bara i pi	and Tomas
ADDRESS Rt. # 2, Box 90, Pennsboro, WV 26415	Cond.	30	0	0 sks.
MINERAL RIGHTS OWNER Same as surface	13-10"			ince wrea
ADDRES\$	9 5/8	1601.30	1601.30	325 sks.
OIL AND GAS INSPECTOR FOR THIS WORK Samuel	8 5/8	1601.30	1601.30	323 SKS.
Hersman ADDRESS P.O. Box 66, Smithville, WV	7	-	Transfer and	DIAGE:
PERMIT ISSUED. 3/23/84	5 1/2			250
ORILLING COMMENCED 9/6/84	4 1/2	5935.1	5 5935.15	350 sks
DRILLING COMPLETED 9/11/84	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2	and the same of th		
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
		D	Lb 5540 5	
GEOLOGICAL TARGET FORMATION Devonian Shale				793 fee
Depth of completed well 5992 feet				
Water strata depth: Fresh 0 feet;				5 N
Coal seam depths: 525-35	Is coal	being mir	ned in the	area? N
OPEN FLOW DATA				
Producing formation Devonian Shale	Pa	y zone der	oth 5640-5	793 fee
Cas: Initial open flow Mcf/d	Oil: In	itial oper	flow	Bb1/
Combined Final open flow 440 Mcf/d	Fi	nal open i	flow	Bb1/
Time of open flow between init	ial and f	inal tests	s_ 4 h	ours
Static rock pressure 1550 psig(surface	e measure	ment) after	er 96 ho	urs shut i
(If applicable due to multiple completion	2)		04/	26/2024
Second producing formation Benson	Pa	ay zone de		
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between init				

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

Devonian Shale: Perforations: 5640-5650 (8 holes) 5725-27(4 holes) 5788-93 (6 holes) Fracturing: Foam frac: 350 sks. 20/40 sand: 525 Bbls. fluid.

Benson: Perforations: 4799-4801 (8 holes)

Fracturing: Foam Frac: 500 sks. 20/40 sand: 500 gal. acid: 620 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf=PweXGLS

 $t=60 + (0.0075 \times 5935) + 459.7 = 564$   $t=53.35 \times 564$  t=30089  $t=1550 \times 2.72$   $t=1550 \times 2.72$   $t=1550 \times 2.72$   $t=1550 \times 2.72$ 

Pf=1705 psi

#### WELL LOG

	e_D_gbrick	EXTERNAL PROPERTY.	REMARKS
FORMATION COLOR HAPD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all free and salt water, coal, oil and ga
Clay	0	3	
Sandy shale & red rock	3	25	G
Sand & shale	25	155	Gas ck @ 1976 No show
Sandy shale & red rock	155	525	Garage A 240E No above
Coal & black shale	525	535	Gas ck @ 3405 No show
Shale & sandy shale	535	635	Gas ck @ 4812 2/10-1" w/water
Sand, shale & red rock	635	845	10,650 cu.ft.
Sand, shale & red rock	845	1030	10,650 Cu.1C.
Sandy shale & sand	1030	1430	Good of BIGE 4/10 11/
Sandy shale & sand	1430	1595	Gas ck @ 5165 4/10-1" w/water
Sandy shale	15195	1775	15,041 cu.ft.
Big Lime & Injun	1775	1970	2 1 2 2 111 11 2/10 11
Gray sand	1970	2030	Gas ck @ Drill collars 2/10-1"
Sandy shale & sandy	2030	2610	w/water
Sandy shale & sandy	2610	2770	10,650 cu.ft.
Sandy shale & sandy	770	2950	
Sandy shale & sandy	2950	3500	EDEL - AUG CEAL TO THE EAST CEAL THE
Shale & sandy shale	3500	4799	
Benson	4799	4801	
Sand & shale	4801	5640	CERT TO A PROPERTY OF THE PERSON OF THE PERS
Devonian Shale	5640	5793	
Shale	5793	5992	79/9/ CENTRAL STOP SALES
		T.D.	Farther in the same appropriate
		LIVE SKELLY	G SOLIKOTO OT SOLIKATERA P
- Application -	2 march 1	TO DATE OF THE	TO MODE TO PERSONAL SUPPRESS
100 March 200	Total I	GENERAL CONTRACT	
		ide viintinoviju	TO TAKE STORES
	The state of the s		Control of the Contro
			ATT IN A SECOND OF THE SECOND
	E C . L		Paris, and the mark from
			ATMONTAL TRANSPORT
	3	fold without	People of the action

(Attach separate sheets as necessary)

Well Or By:	erator	04/26/2024 Robert Dahlin-Geologist
Date:	10/9/84	with a spatiantified to the

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 of a well."

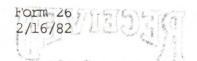
# DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION



OIL & GAS DIVISION
DEPT. OF MINES

### INSPECTOR'S WELL REPORT

Permit No. 85-6		WELL	REPOR		Gas Well
Company J + J E	interprises, Inc	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address		Size			
Farm Doff		16			Kind of Packer
Well No. JK-92	9	13	*		Size of
District Clay	County RiteRis	81/4	4		Size of
Orilling commenced	9-6-84	6%		-	Depth set
rilling completed	Total depth	5 3/16			
ate shot	Depth of shot	2			Perf. top Perf. bottom
nitial open flow	/10ths Water inInc	Liners Used			Perf. top
pen flow after tubing_	/10ths Merc. inIncl				Perf. bottom
olume	Cu. Ft	. CASING CEMEN	NTED	_SIZE	No. FTDate
ock pressure	lbshrs	NAME OF SER	VICE COMPA	NY	
:1	bbls., 1st 24 hrs	1	COUNTERED	AT	FEETINCHES
resh water	feetfeet	FEET	5-25-A 5	35	<i>l + Block <b>Slock</b></i> FEETINCHES
alt water	feetfeet	FEET_	INCH	ES	FEETINCHES
rillers' Names					
cement	8-84 ran 1601 foot	of 85" cas	sing -	Pan 32	CAR. P.
					5 - Suepes
	1970 Big lime and and Lost days at visit -				
PHOA	- almost all leaking cusing new pit	402000		7 7 01	0 0 1
9-10-84 BATE	(using new pit)	markad ka	gened m	muel 2	Mas stoped 104/2014
				_	WALL INSPECTOR



### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

Permit No				Wei	I No	
COMPANY			ADDRESS			
FARM		DISTRICT		COUNTY		
Filling Material Used						
Liner Location Amount		Packer	Location			
PLUGS USED AND DEPTH PLACED			BRIDGES		G AND TU	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS
,						
				-		
			48			The Residence of the Section of the
Orillers' Names						
Remarks:						
DATE	I hereby certify I v	risited the above	ve well on this date.			

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



OIL & GAS DIVISION

## INSPECTOR'S WELL REPORDEPT. OF MINES

Permit No. 85-6894			Oil or	Gas Well
Company J+J Enterprises, Que.	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address	Size			
Farm Soff	16			Kind of Packer
Well No. JK-929	10			Size of
District Clay County Rilifice	81/4			
Drilling commenced 9-6-84	6%			Depth set
Drilling completedTotal depth	5 3/16			2
Date shotDepth of shot	2			Perf. top Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft.	CASING CEMEN	TED	_SIZE	No. FTDat
lock pressurelbshrs.	NAME OF SER	VICE COMPA	NY	8.50
bbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHE
Fresh waterfeetfeet	FEET_	INCH	ES	FEETINCHE
Salt water feet feet	FEET_	INCH	ES	FEETINCHE
Drillers' Names				
Remarks: Visit - 992 foot deep, will install pet limer in	-Pitlea,	Bing -	Buildi	ng new pit
will install pet limer in	new pit-			<b>Y</b>
Cherhed by Greg Henger	P.N.R.			
		0		
9-7-84 BATE		San	ruel 11	0412612024m

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

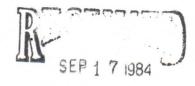
### INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			
FARM				COUNTY		
				COUNTY		
Filling Material Used						
iner Loc	eation	Amount	Packer	Location		
PLUGS USED A	ND DEPTH PLACED	Т	BRIDGES			
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	G AND TU	
				KECOVERED	5122	LOS
				6.4		
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The second secon						
					-	
rillers' Names						
emarks:		and the same of	5 B B C C S C C C C C C C C C C C C C C C			
DATE	I hereby certify I vi	sited the above	well on this date.			

DATE

# STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



OIL & S DIVISION

# INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 85-6894		8,		Oil or		
Company J+J Enterprises, Inc	CASING		USED IN DRILLING	LEFT IN	P	ACKERS
Address	Size					
Farm Richard S. Goff	16				Kind of I	Packer
Well No. JK-929	13					
District Clay County RiteRe	10				Size of	
Drilling commenced 9-6-84	6%				Depth se	t
	5 3/16_					
Drilling completed 9-12-84 Total depth 5-9	3				Perf. top.	
Date shotDepth of shot	2				Perf. bot	tom
Initial open flow/10ths Water in	_Inch   Liners U	sed			Perf. top.	
Open flow after tubing/10ths Merc. in	_Inch				Perf. bot	tom
VolumeC	u. Ft. CASING	CEMENTE	ED	_SIZE	No. FT	Date
lock pressurelbs	_hrs. NAME	OF SERVIC	CE COMPA	NY		
Dilbbls., 1st 2-	hrs. COAL W	AS ENCO	UNTERED	AT	FEET	INCHES
Fresh waterfeet	_feet	FEET	INCH	ES	FEET	INCHES
Salt waterfeet	_feet	FEET	INCH	ES	FEET	INCHES
Drillers' Manage						
Orillers' Names						
Remarks: T.D. and complete Role of	4 500	,				
Kan 5976 footal 45	" " " " " " " " " " " " " " " " " " " "					
Haliberton to run 3	Sosack	ad 51	_ /~ .			
Runing 4"	4	000	50 /5	of Min		
Runing 4" casing at	time of 2	isit				
9-12-84			S		MORRE	2024

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# INSPECTOR'S PLUGGING REPORT

COMPANY			ADDRESS			
FARM	· · · · · · · · · · · · · · · · · · ·	DISTRIC	OT THE RESERVE OF THE PARTY OF	COUNTY		
Filling Material Used						
Liner Lo	eation	Amount	Packer	Location	1	
PLUGS USED	AND DEPTH PLACED		BRIDGES	CASIN	G AND TO	UBING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	L
						-
· · · · · · · · · · · · · · · · · · ·						
				-		
	•					10
rillers' Names						
mers wames				· · · · · · · · · · · · · · · · · · ·		
emarks:						

I hereby certify I visited the above well on this date.

DATE



OIL & GAS DIVISION
DEPT. OF MINES



## State of West Birginia

## Bepartment of Mines Gil and Gas Bivision

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 8 1984

POR					-	-
F. U. B	ox 48	FARM & WELL	NO	Richard	Goff	JK-929
Buckhan	non, West Virginia 26201	DIST. & COUN	TY	Clay/Rit	tchie	
ULE	DESCRIPTION		IN YES	COMPLIA	NCE NO	
5. 04 5. 03 6. 01 5. 03 5. 02 5. 01 5. 05 3. 02 5. 01 3. 04 3. 05 3. 07 6. 01 6. 02	Notification Prior to Starting Work Prepared before Drilling to Prevent W High-Pressure Drilling Required Permits at Wellsite Adequate Fresh Water Casing Adequate Coal Casing Adequate Production Casing Adequate Cement Strenght Cement Type Maintained Access Roads Necessary Equipment to Prevent Waste Reclaimed Drilling Pits No Surface or Underground Pollution Requirements for Production & Gatherin Well Records on Site Well Records Filed Identification Markings					
our well	record was received and reclamation ter 22, Article 4, Section 2, the above for the life of the well.	SIGNED Sa DATE 4-2	ppr ema	coved. In in under	n acc r bon	derson de

