

1)	Date:_	MARCH	21	, 19_84
2)	Operat	or's	11/ 001	and the second

Well No. JK-931

3) API Well No. 47 - 095 - 1061 State County Permit

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

				A	PPLICATIO	ON FOR A WE	LL WORK PERMI	<u>r</u>				
4) WELL T	YPE: A C	Dil W a	20/10	as)	TOT Y	ONS (IF AN	ND CONDING	DIFICATIONS A	PERMIT MO			
		If "Gas",	Production	on			l storage		_/ ShallowX_/)			
5) LOCATIO		evation: _		1188		Watershed:	Vatershed: BRUSH RUN					
		strict:		MEADE	ES, INC	County: TYLER Quadrangle: PENNSBORO 7.5'						
6) WELL O			BOX 4		olo, INC	D O DOV						
Addres	55		IANNON		26201	d de la	Address		ANNON, WV 26201			
8) OIL & G	AS INSPEC		1975	1000			9) DRILLING C	ONTRACTOR:				
Name			T A. I				Name	S.W. JACK	DRILLING CO.			
Addres	ss		RAL DEI				Address	P.O. BOX 4				
		MIDDL			N 26149			BUCKHANNON	, WV 26201			
10) PROPOS	ED WELL	WORK:	Drill	Х	_/ Drill			/ Stimulate_5	ARCE IN TEL			
							rate new formation		MEGGG A			
11) GEOLOG	ICAL TAR	GET FOR			change in w	D =1/0	NAAL SHALE					
	nated depth					990 t feet	A STATE OF THE PARTY OF THE PAR		MAR 2 3 1984			
	oximate trat						t,0	feet.	OIL & GAS DIVISION			
	oximate coa					Is co	oal being mined in th		No X			
15) CASING	AND TUBI	NG PRO	GRAM					L	EPI. OF WITH			
CASING OR TUBING TYPE		SPEC	CIFICATION Weight	S		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS			
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	The same of the sa			
Conductor	11 3/4 8 5/8	H40 ERW	23	X		30 1	0	0	Kinds			
Fresh water Coal	0 3/0	DIW	23	^		1300	1000	To surface	by rule 15,05			
Intermediate				3.77		ana a			Bizes			
Production	4 1/2	J55	10.	5 X		5990	5940 '	425	Depths set			
Tubing	-				A SE PY	TNO BRUE	DESC	oras	rea, by rule 15.			
Liners					100			2.57	Perforations:			
		ections	paci ng	woiln	vite fins	<u>accurrences</u>	dates of certain) is to record the	Top Bottom			
								Select St.				
	ellaus())318					
				17/1/	OF	FICE USE	ONLY		Application received.			
					DR	ILLING PE	RMIT	1.00	Well work started			
Permit number_	47-0	95-10	61					March 23				
								Dat				
This permit cove	ering the we	ell operato	r and wel	location	on shown belo	ow is evidence	of permission grante	ed to drill in accordan	ce with the pertinent legal re-			
quirements subje	ect to the co	naitions c	ontained	nerein a	nd on the rev	verse hereof. No	tification must be a	ven to the District Oil	and Gas Inspector, (Refer to tractor shall notify the proper			
district oil and g	as inspector	24 hours	before ac	tual pe	rmitted work	has commence	d.)	en operator or his con	tractor snall notify the proper			
The permitted w	ork is as de	scribed in	the Notic	e and A	pplication, p	lat, and reclam	ation plan, subject to	any modifications a	nd conditions specified on the			
reverse nereor.		h 23,							A sea state a superior state			
Permit expires _		,				unless well	work is commenced	prior to that date and	prosecuted with due diligence.			
[T		V	The last						OTHER INSPECTIONS			
Bond:	Agent	h	lat:	Casin	g Fee							
BLANKET	11.	1 11	#	mi	1149	15	M	, 1	1			
			1				Marga	ret 17	Jasse			
								nistrator, Office of O	il and Gas			
NOTE: Keep o	ne copy of	this permi	t posted a	t the dr	illing location	n.	V					

12/22/2023

Reason:





OFFICE USE ONLY

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

Shallow \)			/ Underground Watershed:		noulubo	(11 Gas . Fr		S) LOCATIO
12.71019131.33	Onadrangler		County:			District:		
TO LOCALINA . WAS AND	ED A TENET							6) WELL OF
								Addres
	CONTRACTOR	9) DRIÉLING			анаптои з	CTOR TO DE	S INSPI	8) OIL & GP
UNITED TO	710 No. 0	Naw				A HARLAN		
. 3N S8201	innea voja		V4		700		3	Addres
DECENTER		A Rodrill		Thirt!	Drill Services		ab well) PROPOSI
10 WIA			well (specify)	The spine of the				
THE PARK EN		James & N. collect		ALEXAME				DGEOLOG
				E BLOOM				
OIL & CAS DIVISION			ilez ::	- 47		ate deputs: F		
EPT. OF MINE	A CONTROLL					sal scam deoth stock PROFIN		OASING
	quality rushing	EVERYALS S	TOATOOT			rtio#58=-		CARING OR
Access to the second	OR SACKS	Several start	Forething T.		Vigigni par fri Ne	titade	South .	STATE OF STATES
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31								
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Ma Do sals IT	000	OFFIC	E USE ONLY					e grio
P. Avrelland Services								6150
This part of Form IV-2(b)) is to record the da	ates of certain	occurrences a	and any fo	llow-up in	spections.		
	Da	te				1	Date(s)
Application received			Follow-u	p inspection	on(s)			
		Y 1140	KILLING PE	,,				
Well work started								
Completion of the drilling	In the second	<u> </u>						_neritawa tiran
process manufacture and this sor	orkanas ni limbari beta	ens constitues la	,, complete at wole	and code not			ring the v	is permit cove
Well Record received	well operator or his con	in addition, (ne d.)	ik nat commence	ov ballima		or 24 hours b	as inspect	g bije lio iziri
Reclamation completed				noffsplication.	e Nouce and		orkisas o	
providued with due diligence.	ed prior to that date and	n offers confinence						
OTHER INSPECTIONS								
Descent				and A said	Cas AA es	of Par	Ago	three s
Reason:	No.	18. 7		4/11/10	11111	1 / / I		FIRMALE

ce the reverse side of the APPERCANT'S COPY for instructions to the well operation.

NO I. Reep one copy of this permit ported as the drilling location.

IV-9 (Rev 8-81) Field Review



DATE March 19, 1984
WEIL NO. JK-931

State of Mest Birginia

API NO. 47-095-1061

Bepartment of Mines Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc.	D	ESIGNATED AGENT Richard F	Reddecliff				
Address P.O. Box 48 Buckhannon, WV	26201	Address P.O. Box 48 Buck	channon, WV 26201				
Telephone 304-472-9403		Telephone 304-472-9403	3				
LANDOWNER William B. Markle		SOIL CONS, DISTRICT Uppe	r Ohio				
Revegetation to be carried out by	J & J E		(Agent)				
This plan has been reviewed by	Upre	ohio soo. All	corrections				
and additions become a part of this pla	an:	3/21/84	DECENTALED				
	_ 2	(Date) enneth R. Mason (SO Agent)	MAR 2 /1 1984				
ACCESS ROAD		LOCATION	OIL & GAS DIVISION				
Structure Drainage Ditch	(A)	Structure Diversion Dit	Ch OF MINE				
Spacing see sketch		Material Earthen					
Page Ref. Manual 2-12		Page Ref. Manual 2-12					
Structure Cross Drain	(B)	Structure Rip-Rap	(2)				
Spacing see sketch		Material Logs & Stone					
Page Ref. Manual 2-1		Page Ref. Manual 2-16					
Structure	(C)	Structure	(3)				
Spacing		Material	Carlo Maria				
Page Ref. Manual		Page Ref. Manual					
All structures should be inspected commercial timber is to be cut and scut and removed from the site before	stacked and	l all brush and small timber	All to be				
F	REVEGETATIO	N .					
Treatment Area I		Treatment Area I	T				
Lime 3 Tons/acr	re	Lime	3 Tons/acre				
or correct to pH 6.5		-	0.5				
Fertilizer 600 lbs/acre (10-20-20 or equivalent)	2	Fertilizer (10-20-20 or equ	100 lbs/acre				
Mulch Hay 2 Tons/acr	~	Mulch Hay	3 Tons/acre				
Seed* KY-31 30 lbs/acre		Seed* Orchard Grass	30 lbs/acre				
Annual Rye 10 lbs/acre		Ladino Clover	5 lbs/acre				
Red Clover 5 lbs/acre		Red Clover	5 lbs/acre				
*Inoculate all legumes such as vetch Inoculate with 3% recommended amount.		and clovers with the proper					
	FILM PEE	FARED BY Smith Land Surve	12/22/2023				
NOTES: Please request landsumant'		ADDRESS 111 South Street	t				
seedling for one growing season.		Glenville, WV 2	26351				
Attach separate shects as necessary for comments.	FE	ONE NO. 304-462-5634					
The second control of		The second second					

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Pennsboro 7.5'

LEGEND

Well Site

Access Road

1000

Form IV-2 (A) Reverse

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-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-lm, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc. Grantee, lessee, etc. Royalty Book Page
William B. & Julia A. Markel J&JEnterprises, Inc. 93%-1/8
of100% 169 308

Mary E & B.V. Smith Hrs.

7%-1/8 Not recorded of100%

12/22/2023



1)	Date:	ICH 21		, 19_RA
2)	Operator's Well No	ak.	-931	
3)	API Well No.	47		
		State	County	Permit

Coal Owner

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

4) WELL TY	PE: A	Oil	/ G	as	Y_/				
			Productio		Y	/ Underground		/ Deep	_/ Shallow/)
5) LOCATIO		levation: _		1188		Watershed: _	BRUSH RUN		DENHARODO # C1
		istrict:	State of the state	MEAD	The second second	County:	TYLER	Quadrangle: _	PENNSBORO 7.5'
6) WELL OP	45.00	D 0	DOY A	RPRI	313,	INC.		DAGENT RICHA	RU M. KLUULULITE
Addres	s	DIILLA	UANNAN	1.6/	2620	77	Address	P.U.	ANNON LA DEDOT
0) OH 0 CA	C INICDE	CTOP TO	DE NOTI	FIED SAR	4 207 C		O DRILLING	CONTRACTOR	MINISTRY WITH ZEIZUI
8) OIL & GA	13 INSPEC	ROBE	DE NOTE		UFR .		9) DRILLING C	CONTRACTOR:	DETILITIES CO
Address	-4.17	GENE	PAI DE		QV		Address	P.O. BOX 4	8 - BANKERS PLANE
Address		MIDD	FROUR	NF I		140	Addiess	BUCKHANNON	, WV 1 26201
10) PROPOSE	DWELL	WORK.	Drill_	y	_/ Dril	l deeper	/ Redrill	/ Stimulate	Y
10) PROPOSE	D WELL	WORK.		ff old	formatio	A STATE OF THE PARTY OF THE PAR	ate new formation	The state of the s	LEGEL MICH
					STATE OF THE STATE OF	in well (specify)			BOGO O CI
11) GEOLOGI	CAL TAP	RGET FOR			TEXA	a trib, program and a second of the	NEATH SHALE	学是生产等。2008年	a - profession
12) Estima					CARA	59901 feet	计数据 五多年	Leaned Bill	MAR 2 /1 1984
13) Appro	100				ann!	feet; salt	0	feet.	MOISING SINISION
14) Appro				11/1	912.4	Is co	al being mined in th	ne area? Yes	OIL & GAS DIVISION
15) CASING A	AND TUB	ING PRO	GRAM		100			D	OF Will VE
CASING OR	1 7	SPEC	CIFICATION	S		FOOTAGE I	NTERVALS	CEMENT FILL-UP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	77 3/	חמא מי	4.2	Y	100	30.1	5		Kinds
Fresh water	2000000				i diam	A Street	TOTAL TO		a tation in the
Coal	的製造等	to the second	11000	13500	Si de	经是特别理论。	20000000		Sizes
Intermediate	8 5/	P FRW	23	X		13001	1300	FILL TO SUE	FACE
Production	02	J55	10	FY	No. of the last of	59901	5940'	125	Depths set
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Liners	Self.	1 1 - A		2 1 44	1	Alexander of the second	And the state of		Perforations:
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100	A 140 A 16		INS	TRUC	TIONS T	O COAL OPERAT	OR, OWNER, OR	LESSEE	一种,我们的"
	The	named coa	l operator	coal	wner(s)	and coal lessee are h	ereby notified that	any objection they wis	h to make or
								nin fifteen (15) days aft	
			by the Dep						4-0
		The fello				lated by the seal an			
		A STATE OF THE STA				A STATE OF THE PARTY OF THE PAR		coal owner or coal less issued within fifteen (1	1 人名英格兰人姓氏克里特的变体 医动物性 医动物 医动物 医克拉克氏管 医克克克氏管 医中枢炎 医皮肤炎 医皮肤炎 医皮肤炎 医皮肤炎 医皮肤炎 医皮肤炎 医皮肤炎 医皮肤
			he filing of		Constitution of the second				
		" "。 2. 英格兰							
						WAIVER			
The undersigned							_/ lessee	of the co	oal under this well location has
									n added to the mine map. The
the West Virginia						it this location, provi	ded, the well opera	ator has complied with	all applicable requirements of
Trigilli	. Code all	_ the gove	regu						
		1000							
							Jehr	not a	100
Date:	1		, 19	9		В	May	IN Z val	and
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1.1-	1 m. 11	
						lt	s fille &	1 / muce	12/22/2023
									1/1//////

SURFACE OWNER'S COPY



1)	Date: MAR	CH 21		, 19
2)	Operator's Well No.	JK-19	31	
3)	API Well No.	47		
-,		State	County	Permit

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

	N:		tion: _	1	ADE		/ Underground Watershed: County:	BRUSH RUN TYLER	Deep Ouadrangle:	PENNSBORO 7.51
WELL OPI	ERAT	DR D	& J .O. B UCKHA	ENTERI OX 48	PRISE	26201			P.O. B	
OIL & GAS Name Address		R G	OBERT	A. LO	FIED ONTHE EVERY	R / 261	80	9) - DRILLING C Name Address	ONTRACTOR: 5.W. JACK D P.O. BOX 48 BUCKHANNON.	
GEOLOGI 12) Estima	CAL T	ARGI	ET FORM	Other p	hysical	change in	Perfo	NEAIN SHALE	/ Stimulate/ feet.	
14) Approx CASING A	kimate	coal se	eam dept	hs:	N/A		ls c	oal being mined in th		/ NoX
14) Approx	ND T	coal so	eam dept G PROG SPECI	RAM FICATIONS Weight		Used	FOOTAGE	oal being mined in th		PACKERS
CASING A	ND T	COAL SO	eam dept	ths: TRAM FICATIONS		Used		INTERVAL8	carea? Yes	
Approx CASING A ING OR ING TYPE	ND T	COAL SO	G PROG SPECI Grade	RAM FICATIONS Weight per ft.	New	Used	FOOTAGE For drilling	INTERVAL8	carea? Yes	PACKERS
4) Approx CASING A ING OR ING TYPE	ND T	UBING	eam dept G PROG SPECI Grade	PRAM PROPERTY OF THE PROPERTY	New Y	Used	FOOTAGE For drilling	INTERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS Kinds
4) Approx CASING A ING OR ING TYPE ctor water	kimate ND T	coal so UBING	eam dept G PROG SPECI Grade	ths:	New X	Used	FOOTAGE For drilling	Left in well	CEMENT FILLUP OR SACKS (Cubic feet) FILL TO SURF	PACKERS Kinds
(4) Approx CASING A ING OR ING TYPE ictor water	kimate ND T	coal so UBING	eam dept G PROG SPECI Grade	PRAM PROPERTY OF THE PROPERTY	New Y	Used	FOOTAGE For drilling	INTERVALS Left in well	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS Kinds
Approx CASING A ING OR ING TYPE Inter Inter Inter Inter Interior I	kimate ND T	coal so UBING	eam dept G PROG SPECI Grade	ths:	New X	Used	FOOTAGE For drilling	Left in well	CEMENT FILLUP OR SACKS (Cubic feet) FILL TO SURF	PACKERS Kinds Sizes CE Depths set
4) Approx CASING A ING OR ING TYPE letter water letter cediate ction B	kimate ND T	coal so UBING	eam dept G PROG SPECI Grade	ths:	New X	Used	FOOTAGE For drilling	Left in well	CEMENT FILLUP OR SACKS (Cubic feet) FILL TO SURF	PACKERS Kinds Sizes ACE Depths set Perforations:
Approx CASING A ING OR ING TYPE Interest and the control of the co	kimate ND T	coal so UBING	eam dept G PROG SPECI Grade	ths:	New X	Used	FOOTAGE For drilling	Left in well	CEMENT FILLUP OR SACKS (Cubic feet) FILL TO SURF	PACKERS Kinds Sizes CE Depths set
CASING A	kimate ND T	coal so UBING	eam dept G PROG SPECI Grade	ths:	New X	Used	FOOTAGE For drilling	Left in well	CEMENT FILLUP OR SACKS (Cubic feet) FILL TO SURF	PACKERS Kinds Sizes ACE Depths set Perforations:

VOLUNTARY STATEMENT OF NO OBJECTION

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

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

(For execution by corporation, partnership, etc.)	(For execution by natural persons)	
NAME:	allow ME willited	Date: 2/2/84
Ву	Julie & Markle (Signature)	3-21-86
ItsDate	(Signature)	Date:

JOB SUMMARY

HALLIBURTON A. H. S DURSK PA

HALLIBURTON LOCATION

105	4	W	11
1223	THE PERSON	True	100

BILLED ON 80360

	· 秦 上张。					WEL	L DATA			1	0		
FIELD	A SAME			10 To	SEC	TWP.	RNG.		COUNTY	74181	C	STATE_	600
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						MCFD	LINER						
						MCFD	TUBING						
				PE			OPEN HOL						SHOTS/FT.
PACKERT							PERFORAT	IONS			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
PACKER TYPE SET AT PRESSURE							PERFORAT	IONS					
				TOTAL		1447	PERFORAT	IONS					
MISC. DAT	^			TOTAL	DEFIN_	JOE	BDATA						
		TOOLS A	ND ACC	ESSORIES			CALLED O	UT	ON LOC	ATION	JOB STARTE	D JO	B COMPLETED
	TYPE A	ND SIZE		QTY.		MAKE	DATE (-/	5-84	DATE	5-19-84	DATE 5-19	-81 D	ATE 5-19-84
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PROP. TYP	E		SIZE_		LB.						THE STATE OF		
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ACID TYPE			G	AL		%							
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OTHER_		TOTAL U		100		CEME	NT DATA	0				REQUEST	
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STAGE	OF SACKS	TYPE	CLASS	BRAND	SACKED			ADDI	TIVES			CU.FT./S	
	235	1901	A	Hours	0	20/0/All	14, 4	1/01	olp			1,16	156
	100	std'	14	Hours	0	30/2/01			1			1.10	10.6
- 3	100		11	ALCO MALCA	-	3 1 8 1 8 1 8	- Page 17			E 10.4 1.5	- Total	2310)	1900
			144										
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	7.32	PRESSU	JRES IN	PSI		SUMMAF	RY			VOLU	JMES		The Cold
CIRCULAT	ING					SOMMA		BLGAL			TYPE		
													100
												PL: BBLGA	911
AVERAGE										74.3	DIS	PL: BBLGA	
SHUT-IN:	INSTANT	HYDRAUL		SEPOWER	_ 15-MIN.					2614			
					Aug 3		TOTAL VOLUM	E: BBL.	GAL	REMAI	SKC		
ORDERED		AVERAG	E RATE		_USED		500	Tan	100	NEIVIAI	11/3		
							200	2 10 3.0	07			7 (10)	
TREATING		CEMENT	LEFT L		VERALL						1000 C		
		CEMENT											
			CON										

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IV-35 (Rev 8-81)

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ME	CEIT	1984	W _S

state of Mest Airginia

Bepartment of Mines

Date	June	25, 1	984	
Operat		1		
Well N	No	JK-93	1	_
Farm_	Willi	am Mar	kle	
API N	47	095	_ 1061	_

OIL & GAS DIVISION DEPT. OF MINES Wil and Gas Bivision

WELL OPERATOR'S REPORT

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 1188 Watershed 1	Brush Run		-	
District: Meade County Tyle:	r	Quadrangle	Pen	nsboro 7.5
OMPANY J&J Enterprises, Inc.			Took hes	
ADDRESS P.O. Box 48, Buckhannon, WV 26201	Casing	Used in	Left	Cement
DESIGNATED AGENT Richard Reddecliff ADDRESS P.O. Box 48, Buckhannon, WV 26201	Tubing	Drilling	in Well	fill up Cu. ft.
SURFACE OWNER William B. Markle	Size 20-16			and d
ADDRESS P.O. Box 24, Middlebourne, WV 26149	Cond.	32	0	0 sks.
MINERAL RIGHTS OWNER Same As surface	13-10"	32		O BRO.
ADDRESS	9 5/8		2.400.45	225
OIL AND GAS INSPECTOR FOR THIS WORK Robert	8 5/8	1400.45	1400.45	335 sks.
Lowther ADDRESS Gen. Del., Middlebourne, WV 26149	7			
PERMIT ISSUED 3/23/84	5 1/2	5969.80	5969.80	610 sks
DRILLING COMMENCED 5/17/84	4 1/2	3303.00	3303.00	020 5/15
DRILLING COMPLETED 5/22/84	3			
IF APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep	th 5822-5	916 fee
Depth of completed well 5995 feet	Rotary x	/ Cabl	e Tools_	
Water strata depth: Fresh 550 feet;	Salt 0	feet		
Coal seam depths: None				e area? N
OPEN FLOW DATA				
Producing formation Devonian Shale	Pa	y zone der	oth 5822-	5916 fee
Gas: Initial open flow Mcf/d				
Combined Final open flow 315 Mcf/d				
Time of open flow between init				
Static rock pressure 1400 psig(surface				
(If applicable due to multiple completion	2)			
Second producing formation Benson	Pa	y zone dej	oth 48824	22/2023 _{ee}
Gas: Initial open flow Mcf/d	Oil: Ir	itial oper	n flow_	Bbl
Final open flow Mcf/d	Oil: Fi	nai open.	TTOW_	

FORM IV-35 (REVERSE)

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

Devonian Shale: 5822-26 (5 holes) 5830-35 (7 holes) 5866-69(3 holes) 5912-16(5 holes)

Fracturing: 300 sk. 20/40 sand: 115 Bbls. fluid.

4889-91 (8 holes)

Fracturing: 350 sks. 20/40 sand:500 gal. acid: 362 Bbls. fluid.

BOTTOM HOLE PRESSURE Pf= PweXGLS

OF MINES $t=60 + (0.0075 \times 5970) + 459.7 = 564 \times \frac{1}{53.35 \times 564} = \frac{1}{30115} = 0.000033 \text{ Pf} = 1400 \times 2.72^{(0.000033)}$ $(0.000033)(0.669)(5403)(0.9) = 1400 \times 2.72$ 0.11 = 1400 x 1.12

Pf=1568 psi

WELL LOG

		Tellistic folk	REMARKS		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET		cation of all fres	
ill & shale	0	40			
Sand & shale	40	85	0 5501		
and & shale	85	136	Damp @ 550'		
and, shale & red rock	136	2020			
ig Lime	2020	2130	Gas ck @ 2244	No show	
ig Injun	2130	2200			
and& shale	2200	2780	Gas ck @ 2860	No show	
and & shale	2780	4889	The state of the s	A Charles of	
enson	4889	4891	Gas ck @ 3108	No show	
and & shale	4891	5822	A second		
evonian Shale	5822	5916	Gas ck @ 3745	No show	
and & shale	5916	5995			
		T.D.	Gas ck @ 4340	No show	
			Gas ck @ 4801	No show	
			Gas ck @ 5138	35/10-1" w/water 44,470 cu.ft.	
			Gas ck @ coll	ars 10/10-1" w/wate	
			- 5/7/7/	23,314 cu.ft.	
			and the second second		
No. of the second secon		- Mile representation			
	DOMEST !	A PART OF THE PART			
Charles and the second of the					
	6.0	PEUS PROYEG			
	Variable in		the world		
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			en adags		

(Attach separate sheets as necessary)

J&J Enterprises, Inc.

Well Operator 12/22/2023 6/25/84 Date:

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

wal, encountered in the drilling of a well.

STATE OF W

Permit No. 095-106/

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION



INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT MINES

Company Jof Enterprises	CASING AND TUBING	USED IN DRILLING	LEFT IN	PACKERS
Address Buchhannon w. Va	Size	de a transport and a second a		
Farm Markle	16			Kind of Packer
Well No. J K 931	13			
District Meade County Tyles	81/4	1400	1400	Size of
Drilling commenced	6%			Depth set
	5 3/16			
Drilling completedTotal depth 36 35	3			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used		-	Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VolumeCu. Ft. Rock pressurelbshrs. Oilbbls., 1st 24 hrs.	NAME OF SEI	RVICE COMP	ANY Ha	O No FT 5-19-8 lleburton
		NCOUNTERE	D AT	FEETINCHES
Fresh water 550 feet feet	FEET	INC	HES	FEETINCHES
Salt water <u>feet</u> feet	FEET.	INC	HES	FEETINCHES
Drillers' Names				
Remarks:	1			

May 21 1984

P. A. Lowller
DISTAID/20/2008TOR

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Amount	Packer BRIDGES CONSTRUCTION—LOCATION	Location	G AND TU	<u></u>
Amount	Packer BRIDGES	Location	NG AND TU	<u></u>
ED .	BRIDGES	CASIN	NG AND TU	Ţ
ED .	BRIDGES	CASIN	G AND TU	BING
E 100 0	The state of the s		1	BING
ONLEAD	CONSTRUCTION-LOCATION	RECOVERED	The Party	
			SIZE	M LO
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
	3635			
-	sal casal lung and a company	-		
5				
\				
	R. S			
38 2 3 3 3				1, 1, 1, 1, 1, 1
Maria a seria ga	2 2 2 202	-	55	9.8
Carrier and the				
			The second secon	

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

12/22/2023





OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia Department of Mines (Dil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT

	July 10, 1984		
COMPANY	J & J Enterprises, Inc.	PERMIT NO	095-1061
P. O.	Box 48	FARM & WELL NO	William Markle #JK-931
Buckha	nnon, West Virginia 26201	DIST. & COUNTY	Meade/Tyler
		TN	COMPLIANCE
RULE	DESCRIPTION	YES	
23.06	Notification Prior to Starting Work	1	
25.04	Prepared before Drilling to Prevent Was	ste U	//
25.03	High-Pressure Drilling	1	
16.01	Required Permits at Wellsite	1	
15.03	Adequate Fresh Water Casing		
15.02	Adequate Coal Casing		
15.01	Adequate Production Casing	L	<i></i>
15.04	Adequate Cement Strenght	1	
15.05	Cement Type	1	
23.02	Maintained Access Roads	-	
25.01	Necessary Equipment to Prevent Waste		
23.04	Reclaimed Drilling Pits	W	
23.05	No Surface or Underground Pollution	6	
23.07	Requirements for Production & Gathering	g Pipelines	
16.01	Well Records on Site		
16.02	Well Records Filed		
7.05	Identification Markings		
I HAVE I	NSPECTED THE ABOVE CAPTIONED WELL AND RE	COMMEND THAT IT	BE RELEASED:
		27	1
		SIGNED 1	towthe
		DATE Mar	131 1954-
		DATE THE	100 1105
Your well	l record was received and reclamation re	equirements appr	oved. In accordance
with Chap	oter 22, Article 4, Section 2, the above	well will rema	in under bond
coverage	for the life of the well.	-	
		1	n de
			. 70
		Administrator-0	il & Gas Division
		June 10), 1985
		DATE	

7,490'-LATITUDE 39° 22' MARKLE LEASE WELL NO. JK-931 S 38 - 35 E 1277.2 MORGAN WILLIAMS 38 ACRES± S 38-35E 775.5 WELL NO. STONE 970.22 1588.51 JACKSON NORTH NO. JK - 930 IRON PIPE Q E/C S 27 W 313.5 MARKLE N 40 - 55 W 858 48 - 30 W 485.1 MORRIS NOTE: NO PERMITTED WELLS SHOWN WITHIN 2400' FILE NO ._ 13 - 17 I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY DRAWING NO .. 1" = 400 KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGU-MINIMUM DEGREE OF LATIONS ISSUED AND PRESCRIBED BY THE DEPART-ACCURACY _____ 1 / 200 MENT OF MINES. PROVEN SOURCE OF ELEVATION TOP OF KNOB (SIGNED)_ ELEV. 1225 R.P.E PLACE SEAL HERE (+) DENOTES LOCATION OF MARCH 20 , 19_84 DATE WELL ON UNITED STATES OPERATOR'S WELL NO. ___ TOPOGRAPHIC MAPS API WELL NO. FORM IV-6 (8.78)COUNTY PERMIT STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION WELL TYPE: OIL ___GAS_X_LIQUID INJECTION___ WASTE DISPOSAL_ (IF "GAS,") PRODUCTION X STORAGE __ DEEP __ SHALLOW X LOCATION: ELEVATION 1188 WATER SHED BRUSH RUN MEADE DISTRICT_ PENNSBORO 7.5 QUADRANGLE_ SURFACE OWNER WILLIAM & JULIA A. MARKLE ACREAGE _____38 WILLIAM B. MARKLE OIL & GAS ROYALTY OWNER_ _LEASE ACREAGE_ LEASE NO. __ JJ-1498 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER __ REDRILL_ _FRACTURE OR STIMULATE_X_PLUG OFF OLD FORMATION_ _PERFORATE NEW FORMATION ___OTHER PHYSICAL CHANGE IN WELL (SPECIFY). PLUG AND ABANDON. __ CLEAN OUT AND REPLUG. TARGET FORMATION DEVONIAN SHALE ____ESTIMATED DEPTH ____5990' WELL OPERATOR J & J ENTERPRISES, INC. DESIGNATED AGENT_ RICHARD M. REDDECLIFF P. O. BOX 48 ADDRESS_ P 0 B0X 48 _ADDRESS_ BUCKHANNON, 26201 WV BUCKHANNON,

MARCH 21 1) Date:

,19 84

2) Operator's

JK-931 Well No. 3) API Well No.

> State County Permit

STATE OF WEST VIRGINIA DEPARIMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SU	RFACE OWNE	ER(S) OF RECORD TO BE SERVED	5(i)	COAL OPERATOR N/A
(i)		LIAM & JULIA A. MARKLE P.O. BOX 24		Address
/::\		MIDDLEBOURNE, WV 26149	5(ii)	COAL OWNER(S) WITH DECLARATION ON RECORD Name SAME AS SURFACE OWNER
(ii)	Name Address			Address
(iii)	Name Address			NameAddress
	* -		5(iii)	COAL LESSEE WITH DECLARATION ON RECORD:
				Address
		TO THE PERSON(S) NAMED ABOVE: You shoul (1) The Application for a Well Work to be plugged, which sets out t	Permit on Form IV-	2(B) (or Form IV-4 if the well is
		cementing program; (2) The plat (surveyor's map) showi (3) The Construction and Reclamatio plug a well), which sets out th reclamation for the site and ac	ng the well location Plan on Form IV-9	lunless the well work is only to
		THE REASON YOU RECEIVED THESE DOCIM	ENTE TE TUNT VOIL UN	T DIGING DECEMBER OF THE PARTY

WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia.

Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plant and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered WAR 2 1 1984 by hard to the respect to permed above for by publication in Certain Circumstances on or 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

OIL & GAS DIVISION

Check and provide one of the following:

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

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

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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

WELL

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

this 23day of March 19 84 My commission expires 19

Notary Publ State of

OPERATOR_	J & L Enterprises, Inc.	
By Ce	Ilan H. Celle a	01
Its	Designated Agent	1

P.O. Box 48 Address

Buckhannon, WV 26201.

472-9403 Telephone

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-la(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-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 Page
William B. & Julia A. Markel J&JEnterprises, Inc.	93%-1/8 of100%	169 308
		_00
Mary E & B.V. Smith Hrs.	7%-1/8	Not recorded
	of100%	

IV-9 (Rev 8-81) Field Review



DATE March 19, 1984
WELL NO. JK-931

State of Mest Nirginia

API NO. 47-095-1061

Bepartment of Mines Gil und Gas Bivision

CONSTRUCTION AND RECLAMATION PLAN

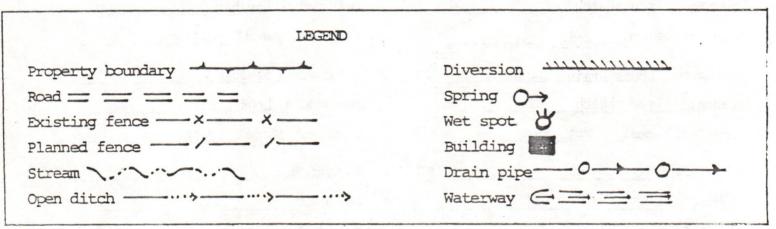
COMPANY NAME J & J Enterprises, Inc.	I	DESIGNATED AGENT Richard	Reddecliff
Address P.O. Box 48 Buckhannon, WV	26201	Address P.O. Box 48 Bu	uckhannon, WV 26201
Telephone 304-472-9403		Telephone 304-472-94	103
LANDOWNER William B. Markle		SOIL CONS. DISTRICT Up	per Ohio
Revegetation to be carried out by	J & J E		(Agent)
This plan has been reviewed by	Up	er Ohio SOD. Al	l corrections
and additions become a part of this pla	//	3/21/84	MECENTIER
	2	(Date) emitte & Mason (SCD Agent)	MAR 2 4 1984
ACCESS ROAD		LOCATION	OIL & GAS DIVISION
Structure Drainage Ditch	(A)	Structure Diversion D	DEPT. OF MINES
Spacing see sketch		Material Earthen	
Page Ref. Manual 2-12		Page Ref. Manual 2-12	
Structure Cross Drain	(B)	Structure Rip-Rap	(2)
Spacing see sketch		Material Logs & Stone	e
Page Ref. Manual 2-1		Page Ref. Marrual 2-16	
Structure	(C)	Structure	(3)
Spacing		Material	
Page Ref. Manual		Page Ref. Manual	
All structures should be inspected commercial timber is to be cut and scut and removed from the site before	tacked on	d all brush and small timik begins.	
The atmost Area T		Treatment Ame	
<u>Treatment Area I</u> Lime 3 Tons/acr	20	Treatment Ares	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 (10-20-20 or e	600 lbs/acre
Mulch Hay 2 Tons/acr	e	Mulch Hay	3 Tons/acre
Seed* KY-31 30 lbs/acre	1	Seed* Orchard Grass	30 lbs/acre
Annual Rye 10 lbs/acre		Ladino Clover	5 lbs/acre
Red Clover 5 lbs/acre		Red Clover	5 lbs/acre
*Inoculate all legumes such as vetch Inoculate with 3% recommended amount.	, trefoil		
	EE	FFARED BY Smith Land Sun	12/22/2023
MOTES: Please request landowners' cooperation to protect new		ADDRESS 111 South Stre	eet
seedling for one growing season.		Glenville, WV	26351
Attach separate shects as necessary for comments.	F	HONE NO. 304-462-5634	
A STATE OF THE PARTY OF THE PAR		Control of the second s	

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

Well Site Access Road —



ketch 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.



150'+@ 40%

The existing state road 6/5 will be grade and side drowinge improved.

Access road subject to change between company and land owner, or aquirement of right-of-way. If change is made, a revised reclamation plan will be submitted. All cuts 2:1 slope. All topsoil to be stockpiled and used in reclamation. All grades for roads and locations as well as sediment structures shown on drawing.