



H-CANAL C-1/1-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	NAME OF STREET
Fracture	
Before 6/5/27	
New Location	
Drill Deeper	7
Redrill	Ī
Abandonment	

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department, of Mines Regulations.

PROVEN ELEVATION WIFESECTION Pt. 21 Elev TOL.

Company BIG "B" INVESTMENT CO.
Address SPENCER, W.VA.
Farm FLORA CROWDER
Tract Acres 20 Acres No.
Well (Farm) No Serial No
Elevation (Spirit Level) 832.27
Quadrangle CHARLESTON NC
County KANAWHA District UNION
Engineer J.L. Sefton
Engineer's Registration No. 1832
File NoDrawing No
Date 2-16-68 Scale 1"= 200"

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

WELL LOCATION MAP FILE NO. KAN-2226

- + Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
- Denotes one inch spaces on border line of original tracing.

Weep Luxel (newburg

AR 14 1968

6-6 Rocky Fork (312)

38-30



STATE OF WEST VIRGINIA

OIL AND GAS PESSON. OF MINES

DEPARTMENT OF MINIES DIVISION

Rotary

Spudder

Cable Tools Storage

or NOLL

Quadrangle Charleston

WELL RECORD

Permit No. Kan 2226 WELL	RECORD		Oll or (Gas Well (Gas)
Company Big B Investment Company	Casing and Tubing	Used in Drilling	Left in Well	Packens
Farm Flora Crowder Acres 20 Legation (waters) Wolf Pen Branch	Size 1613 3/8	262	262	Kind of Packer
Well No. 1 Elev 832,27 District. Union County Kanawha				Size of
The surface of tract is owned in fee by Address Mineral rights are owned by Joseph Crowder, etal	65%			Depth set
Address Charleston, W. V. Drilling commenced 4/19/68				
Drilling completed 5/3/68 Date Shot. From To	Liners Used			
Open Flow /10ths Water in	CASING CEME	ENTED 13	SIZE	No. Ft. 4/20/68 Da
Volume	Third will Of South	vere seram (nontra)	增會	*****

COAL WAS ENCOUNTERED AT FEET INCHES ...INCHES... FEET. 1000; J-84 500; Sand 30,000 lbs.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 15,000 mcf ROCK PRESSURE AFTER TREATMENT 1235

Dowell

Name of Service Co.....

Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
Subsoil Shale Shale Sand & S Salt Sand Salt Sand Lime Pencil Ca Big Lime Shale Lime Lime San Newburg Shale & L	& Shale ve d & Shale		0 250 450 765 1111 1370 1617 1664 1669 1825 1944 4837 4980 5702 5717	250 450 765 1111 1370 1617 1664 1669 1825 1944 4837 4980 5702 5717 5718 TD			
			-				

6/4/43

FORM WW-2B

039-2226-Frac Issued 07/02/93

STATE OF WEST VIRGINIA CLOVED 07
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION Well Operator: Viking Energy 1) Operator's Well Number: F. Crowder #1 WV9660 _____ 3) Elevation: 832.27 2) Well type: (a) Oil__/ or Gas X / 4) (b) If Gas: Production__/ Underground Storage Shallow X/ Proposed Target Formation(s): Shale Sand 5) Proposed Total Depth: 4837 feet 6) Approximate fresh water strata depths:_____ 7) 8) Approximate salt water depths: Approximate coal seam depths:_____ 9) Does land contain coal seams tributary to active mine? Yes___/ No $\frac{X}{}$ _/ 10) un wich MAS Proposed Well Work: Perforate and Fracture Shale Sand 11) 12) FOOTAGE INT SPECIFICATIONS TYPE Left in Weight For well drilling Size Grade per ft. 262 262 13 3/8 Conductor 1944 8 5/8 Fresh Water Coal 5650 5650 $5 \frac{1}{2}$ Intermediate Liners PACKERS : Kind Sizes Depths set For Divison of Oil and Gas Use Only

107

Well Work Permit

Reclamation Fund

Agent

W-9 WW-

ww-2B Jet Bon

	1 of	. · ·	1)	
	91)		2)	Operator's well number
(20:	- /		3 /	F. Crowder #1 wV9660 API Well No: 47 - 39 - 2226 -FRAC
			3,	State - County - Permit
				VIRGINIA
	DIVISI	ON OF ENVIRONMENTAL	PROTE	CTION, OFFICE OF OIL AND GAS
		NOTICE AND APPLICA	TION FO	OR A WELL WORK PERMIT
4)	Surface C	Owner(s) to be serve	ed:	5) (a) Coal Operator:
	(a) Name	Eugene Thaxton	<u> </u>	Name
	Address _	Eugene Thaxton Box 403 Wolf Pen Dr.		Address
		Charleston, WV. 25312		
	(D) Name			(b) Coal Owner(s) with Declaration
	Address _			Name NO COAL
				Address
	(C) Name		-	
	Address _			Name
			-	Address
6)	Inspector			(c) Coal Lessee with Declaration
-,	Address			Name
	***************************************			Name
	Telephone	(304)		Address
	-			
		TO THE PERSON(S) N	AMED AB	OVE TAKE NOTICE THAT:
	Theluded	is the large on lar		
	THETUGEG	is the lease or lea	ses or	other continuing contract or
X	.accs by w	is the information	nt to e	extract oil and gas OR
	on 8(d) c	of the Code of West	Vizgini	ed by Chapter 22B, Article 1,
20002	T certify	that as required u	viidiii	napter 22B of the West Virginia Code
I hav	e served	copies of this noti	ce and	application, a location plat, and
accon	panving d	ocuments pages 1 th	rough	on the above named parties, by:
	Pers	onal Service (Affid	avit at	on the above named parties, by:
				stal receipt attached)
	Publ	ication (Notice of	Publica	stion attached)
	I have re	ad and understand C	hapter	22B and 38 CSR 11-18, and I agree
to th	e terms a	and conditions of an	y permi	t issued under this application.
	I certify	under penalty of l	aw that	I have personally examined and am
famil	iar with	the information sub	mitted	on this application form and all
attac	hments, a	nd that based on my	inquir	ry of those individuals immediately
respo	nsible fo	r obtaining the inf	ormatic	on, I believe that the information
		ate, and complete.		
: <i>E</i>	ı am awar	e that there are si	gnifica	int penalties for submitting false
Lnior	mation, i			of fine and imprisonment.
		170 /	rator	Viking Energy Inc.
		By: ////	pay 1	inceller
		Its:		Designated Agent
		Address		P. O. Box 13366
		Telephon		Sissonville, WV. 25360 304-984-3389
~ }~ ~ ~		rerephon	· —	704-704-7707

Telephone 304-984-3389
Subscribed and sworn before me this 4 day of single

Minhol Uhio Notary Public

My commission expires