

44-560

(BRUNING)

MAY 1 1968 6-6 Rocky Fork 312 Deep Well (newton

Form OG-10

all de la company



Map Square 58-69

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary	
Spudder	
Cable Tools	
Stariana	J

Quadrangle Charleston

Permit No. Kan-2246

WELLF	RECORE
-------	--------

Cal	ble	Tod	ols		
Sto	raç	ge			
Oil	or	Gas	Wo	IL G	AS)

		-				0,10.0	(KIND)
Company Unit	acCorkle Av	ve., Charle	ston, W. Va.	Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm Joseph E	. Pugh, et	al	Acres 280.1	Size			manner eight eigeir fan de a fearfair i fearfair an de ann an
Location (waters) .	Martin Bra	anch		16			Kind of Packer
Well No. 9489)-PI		Elev. 960.39	13_3/8!1	621	621	
District Union)	County. Ka	nawha	xx 9 5/8		20531	Size of
						57491	Size of
						·	
							Depth set
***************************************	Ac	ddress		41/2			
Drilling commence	d May	1, 1968					
Drilling completed	May	10, 1968	***************************************	2 3/811	57891	57891	Perf. top.
Date Shot	From		То				Perf. bottom
With		***********	2.0		1 .		Perf. top.
			Inch				Perf. bottom
			Inch		of cementing record		
			Cu. Ft.		MENTED	SIZE	o. Ft. Date
Rock Pressure		11.0	Cu. Ft.		ement used (bags)		
Oil	*********************		hrs.		vice Co	***********************	*******************************
WEIT ACIDIZED	/ T T T A T Z O L		bbls., 1st 24 hrs.	COAL WAS	ENCOUNTERED	AT	FEETINCHES
- WELL ACIDIZED	(DETAILS)	****		FI	EETINC	HES	FEET INCHES
WELL TO YOUR	77 76 . A 156 157 157 157 157 157 157 157 157 157 157	5_15_60	with 1 000 ~	- 11 FI	EETNO	HES	FEETINCHES
30,000	<u> </u>	nd	with 1,000 g	alions mud	acid, 39,396	gallons w	FEET INCHES ater,
				0 000 11 6) /		************	
RESULI AFIER I	REALMENT (I	Initial open Flow	or bbls.)	0,000 MCT) (Four Point F	otential T	est) 70,000,000
KOCK PRESSURE	AFTER TREA	ATMENT	1881# U.W.	HOURS		*************	70,000,000
riesh water				Salt Water		F2 A	
Producing Sand	- Kinewori	<u> </u>	***************************************		Depth	57991	
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas	Depth	Remarks
i I		And the second s	0	60	v en reliante en reconstruir en reconstruir de secun dels vels and el consprendis est	The same of the sa	To p 117 117 3
nd & Shale			60	1271	(Gas 5795	-57991)Est	imated 40,000 Mcf
nd			1271	1666			
nd & Shale			1666	1820			
g Lime jun			1820	1940			
ale			1940	2005 4935			
rniferous Uir	ne		4935	5036	Tost bot	- Europe	40,000 11 5
iskany Sand	***************************************		5036	5075		en Flow -	re - 40,000 Mcf
me and Shale			5075	5793	Four P	oint Poteni	ial Toet
wburg_			5793				
tal Depth			57991		Casing P	pints:	
		•			13 3/8"	48# 62	Cemented with
			* .				70 sacks to
					0 - (0)	2011	Surface
	1.14				9-5/811	3 2# 2033	Cemented with
							600 Poz-Mix &
							Surface
				*	711	23# 5728	
		·		29.30			150 sacks from
	produce my		100° A	Maria Company			5753-4750
	To the state of th		ASY AN	69 %	2 3/811	4.6# 5768	
		-	J. 100	WED A		. 4	
			2121200 B 1915161 E	Mines of Mines			West of the second seco
			16 Miss	Mines V			
			Dupt C				
			9/01	311/0/2			
	, t		71 DIV	1 692			
Service of the servic	Control of the second control of the second	tribute in the experience of the colors of the color when the same in the	to be account to the second to	The state of the s	a transmitte canadia nya usono magani sasar namanintas, pinanda sasar	In Internaling approximation	

State of West Virginia Division of Oil and Gas

Well Operator's Report of Well Work

Division of O	Division of Oil and Gas					
Well Operator's Rep	ort of Wel	l Work	y			
Well Operator's Rep	Operator	Well No. 2	J. Pugh i	#1 WV 949		
LOCATION: Elevation: 960.39 District: Union Latitude: 3660 Feet S Longitude: 2980 Feet W	Coun	ty: Kanawl Deg. 30	na Min. 0	Sec.		
Company: Viking Energy Corporation P.O. Box 13366 Sissonville, WV 25360 Agent: Michael Pinkerton Inspector: Carlos W. Hively Permit Issued: 11-24-92 Well work Commenced: 12-13-92 Well work Completed: 12-16-92 Verbal Plugging Permission granted on: Rotary Cable Rig Total Depth (feet) Fresh water depths (ft) n/a	Casing & Tubing Size 7" 2 3/8"	Used in Drilling	in	Fill up		
Salt water depths (ft) n/a Is coal being mined in area (Y/N)? Coal Depths (ft): OPEN FLOW DATA		* See B	ack			
Producing formation <u>Devonian Shale</u> Pay zone depth (ft) * Gas: Initial open flow 173 MCF/D Oil:Initial open flow 0 Bbl/d Final open flow 143 MCF/D Final open flow 0 Bbl/d Time of open flow between initial and final tests 24 Hours Static rock Pressure 780 psig (surface pressure) after 24 Hours Second producing formation Pay zone depth (ft)						
Gas: Initial open flowMCF/D Oil:Initial open flowBbl/d Final open flowBbl/d Time of open flow between initial and final testsHours Static rock Pressurepsig (surface pressure)afterHours						
NOTE: ON BACK OF THIS FORM PUT THE PERFORATED INTERVALS, FRACTURING (ETC. 2). THE WELL LOG WHICH IS A S RECORD OF ALL FORMATIONS, INCLUDIN	OR STIMULAT SYSTEMATIC	ING, PHYS DETAILED	ICAL CHA GEOLOGIC	NGE, AL		
Reviewed TM6 BY: Viking DATE: 12-2		Corporatio (LDL)	Cons	ultant		
				- 3 0 1993		

STIMULATION SUMMARY

Partial Plugging Data:

Set 5.61 Bridge plug @ 4500'

Squeeze Cement Data:

7" Casing perforated and squeeze cemented attaining 99 cf fill-up to 3720'. Total Depth inside 7" at 4286'.

Recompletion Data:

Devonian "Brown" Shale 3990-4200' 20 holes 75 quality foam frac, 45,000 lbs 20/40 sand

See original record for additional formation information and flow data.

TO 5799 OF 3535

252/2/

RECEIVED

WV Division of
Environmental Protection

039-2246 Frac

(Type)

FORM WW-2B

NOV 1 3 92

FORM WW-2		utting stat	E OF WEST	VIRGINIA	Issued Pi	ageof
	<u> </u>	<u>atagot e</u>	NERGY, DI	VISION OF C	IL AND GAS	
1) Well	Operator:		70		N Expres 11/3	24 550
			27 1110		<i>I</i>	
	tor's Well				3) E	levation: 960.39
4) Well	type: (a)	0il_/	or Ga	s <u>X</u> /		
	(b)	If Gas:	Productio Dee	n/ Underg	round Storac	
5) Propo	sed Target	Formation	(s): Shale	e Sand 441		
6) Propo	sed Total D	epth: 49	935	feet		
7) Appro	ximate fres	h water s	trata dep	ths:	A	
8) Appro	ximate salt	water de	oths:	N	Δ	
9) Appro	ximate coal	seam dep	ths:	\mathcal{N}_{ℓ}	9	
10) Does	land contain	n coal sea	ams tribu	tary to act	ive mine? Y	es/ No_X_/
11) Propo	sed Well Wo	k: Perfor	ate and Fra	acture Shale S	Sand / //	
12) termine	ally Muz E				result lest 9	rate & Divere
Antial	Hura			ING PROGRAM	Jene	2-140
TYPE	S	PECIFICAT:	ONS	FOOTAGE I	NTERVALS Buck to 20	CEMENT
Spul W	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	13 3/8	,	- 1 M	62.	300 62 Sture	Cem to surface
Fresh Water	g 9 5/8	CIAN	w. gro	2053	2053	Cem to surface
Coal		While	Punt-			
Intermedia	te 7	Mell		5749	5749	150 bags_
Production	2 3/8			5789	5789	
Tubing					Convert fre	4150 Hours
Liners					5153	atel April
PACKERS : I						
	Sizes Depths set _					
Ya'v	Pe	Divison	of Oil a	ind Gas Vise	Only	No.
	paid:	Well Wo	rk Permit	Rec 1	amation Fund	d WPCP
Theta+ (WW-9	/ WW-2		and Hu	bet IIIs	A sant

to an more and	· · ·
Page 1 of 1) Form WW2-A	
Page 1 of	Date: 0ctober 29, 1992
Form WW2-A	Operator's well number
(10-91) "ALLEGON"	J. Pugh #1 WV0408
NOV 1 3 00 33	Operator's well number J. Pugh #1 WV9498 API Well No: 47 - 39 - 2246 -FRAC
7	AFI WELL NO. 47 - 29 - 2246 -FRAC
Permius	State - County - Permit
wince of Oil &	
DIVISION OF ENVIRONMENTAL PROT	5T VIRGINIA
DIVISION OF ENVIRONMENTAL PROT	ECTION, OFFICE OF OIL AND GAS
NOTICE AND APPLICATION	FOR A WELL WORK PERMIT
4) Surface Owner(s) to be served:	'5) (a) Coal Operator:
(a) Name Wilda M. Pugh	Name
(a) Name Wilda M. Pugh Address 2042-B Martin Branch Road	NameAddress
Charleston, WV. 25312	ridat obb
(b) Name	(b) Cool Comentational
(b) Name	(b) Coal Owner(s) with Declaration
Address	NameNO CCAL
(c) None	Address
(c) Name	
Address	Name
	Address
6) Inspector	(c) Coal Lessee with Declaration
Address	Name
	Address
Telephone (304)-	
Office and the second s	
TO THE PERSON(S) NAMED A	DOUD MARD MONTON MATERIA
accompanying documents pages 1 through ———————————————————————————————————	Chapter 22B of the West Virginia Code displication, a location plat, and on the above named parties, by: attached) cattached) cattached) cation attached) cation att
Address	P. O. Box 13366
	Sissonville, WV. 25360
Telephone	304-984-3389
Subscribed and sworn before me this //	day of November, 1992
Man and the second of the seco	Notary Public
My commission expires	SEAL
STATE OF STA	UBLIC T VIRGINIA T VINE W 25271
Samuel and the second s	y electric