

RM bv		

[08-78	•
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Date:	November	18	 19_80_	
Operator	' S	#3		

API Well No. \_- - 017 - 2818

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

## WELL OPERATOR'S REFORM 7 OF OF OPERATOR'S REFORM 7 OPERATOR STEWN OF PROPERTY OF THE PROPERTY

WELL TYPE:	311 <u>X</u>	_/ 3:	as <u>X</u>	/ <u>:</u>	15214	Injection	Waste D	1350sal		
								Deep/	Shallow	
LOCATION:	Elevati	:n: <u>1</u>	130'		_ ~	atershed: <u>Do</u>	e Run			
							J.N.	uadrangle: <u>WE</u> s Markey #3	,	.V.7½*
							CA CETANELEE	ENT Warren R	. Haught	
Addres	s <u>Gle</u>	envil]	Le, WV		<del>.</del>		Address	Smithville,	WV 26178	***************************************
										•
PERMITTED W	Pi	ug off	old fo	2-1	.sn	/ Drill deepe / Perforat well (specify	e new format		cture or stin	mulate
PERMIT ICCU	ED ON A	lugust	28,		_, 19_	-		SPECTOR FOR THIS		
(IF APPLICA	USLE: P	LUGGING	G OF DRY	. E:::	2 011	7=	Name <u>Paul</u>	Garrett Clarksburg		
REWORK	ING. V	ERBAL	::::::::::::::::::::::::::::::::::::::	537 53	ETAINE		Address	Clarksburg	, W.V.	
*			_, 19					221	5-2280	
		-			•			Depth 238		eet
								Cable Tools		
Water	strata	depth:	Fresn,		fee	et; salt,_	feet.			
						<del>-</del>		the area: No		
Work w	vas comm	enced ,	Septem	ber	30	, 19 <u>80</u> ,	and complete	d October 15	, 19_	80_
CASING AND	TUBING	PROGRA	M							
CASING OR	11	SFEC	IFICATI:	:::S		FOOTAGE	INTERVALS	CEMENT FILL-UF	FAC	:::::::::::::::::::::::::::::::::::::::
TUBING TYPE	Sice	Grade	Weight  cer ft	New	Used	For drilling	left in well	CR SACKS (Cubic feet)		
Conductor				١			_		Kinds	
Fresh water	- 8 <u>+</u> 5/8	K-55	20#	X		825	825	120 sacks		
Coal									Sizes	
Intermedia	: e									
Production	41/2	J=55	10.5#	X	1		2549	150 sacks	Certing set	
Tubing							100000	h		
liners	Salar					14 14 150	5411		Ferforation	<u>s:</u>
					<u> </u>	1376	\$10.5°	ولاال	739	Bottom
	renordelen er	- Berg				المائم المائد	5 1981	2	2225	2595
	cing for		PORTUGATION OF THE PROPERTY OF	ACCORDING A		DEPT. Injun		Pay zone dett.	= <u>2380-20</u>	500 :==:
					- will 5/3/4/5/4 (September 1997)	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL		l open flow, opèn flow,	and Street	
•	- F1				A STREET, STRE	Saleshanner in construction of the constructio		open 110%, sts, <u>8</u> hour		
							essurement)	after 12 ho	***	
						etion]		Day mana dan=1	•	·
								Pay come depti		
(								l open flow,		
	71	-						open flow,		<i>m</i> ,
	_							sts, http://		1 17 July 1 1 (1966)
:	Statio r	ook pr	essure,			rsig (surface	ಪಾಹತ್ವಾಭಿಪ್ರಾಣಿಸಿಕ್ಕಳು (	after ht	a. 3 4a. a.ī.	

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

Hydra fraced by Halliburton--10-15-80--566 Bbls. water 500 Gal. Acid 20/40 Mesh Sand 40,000 Lbs.

Perforations:

10- 2225-2235 14- 2575-2595

FORMATION	Color	Hard or Soft	7 Top Feet	Bottom Feet	Including indi and salt water	marks cation of all fresh , coal, oil and gas
urface Pipe	-		o	825	- ·	<del>-</del> .
late			825	860		
ed Rock	Action of the second of the se		860	883		
late			883	989		
ed Rock			989	1020		
late/Red Rock			102	1078	· ·	
ed Rock		2m	1078	1095		
and	٠.		1095	1102		
Slate			1102	1:171		
led Rock			1171	1199	15-00	20
Slate	Dagoston		1199	1218		
ed rock	Decision of the Control of the Contr		1218	1219		
late	autonomia di salaman d	d produced in the control of the con	1219	1225		
and			1225	1275		
hale			1275	1325		
and			1325	1340		
nale			1340	1425		
nd		Charles Control of Con	1425	1545		
nale		ab care	1545	1600		-
nd			1600	1650		
late			1650	1724		
and			1724	1753		
ate			1753	1800		
and/Slate	-	or service of the ser	1800	- 1894		· · ·
and			1894	1942		
Late			1942	1966		•
and/Shale			1966	1989		
and	Sales and the sa		1989	2014		
ate			2014	2035		
nd			2035	2090		
Lime			- 2090	2107		
ate			2107	2127		
Lime			- 2127	2215		
and			2215	2280		
hale			2280	2325		
and		o de la companya de l	2325	2345		
hale			2345	2380		
and common and			2380	2600	T.D.	
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	e-malay vetare	1000	- Constitution of the Cons	<b>D</b>		
	. 44	ppictures et di	District Control of the Control of t			
			vonade ver			
		*GEOGRAPHICAL CONTRACTOR CONTRACT				

NOTE:	Regulation	2.02(i)	provides	as
	follows:			

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

<u>Key</u>	0:	<u>11</u>	Co	m	oar	ŀy
We.						

Its Agent





#### DEPARTMENT OF MINES

### Oil and Gas Division

OIL & GAS DIVISION
DEPT, OF MINES

### OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,	
Charleston, W. Va.	DATE August 21, 1978
Surface Owner Kenneth Powell	Company Key 011 Company
Address West Union, WV	Address Glenville, WV
Mineral Owner J. N. Markey hrs. et al	***
Address Lexington, Ky	
Coal Owner same as minerals	Well No. 3 Elevation 1130
Address 8800 88 minerals	
Coal Operator NONe	MG
Address HIS PERMIT MUST BE POSTED AT THE WELL SITE	-
dl provisions being in accordance with Charlet 22, if the W. Va. Code, the location is hereby approved	
drilling This permit shall expire if I	NSPECTOR
or	O BE NOTIFIED Paul Carrett
The A	DDRESS Clarksburg, WV
Deputy Director - Oil & Gas Division D	HONE 622-3871
GENTLEMEN:	
The undersigned well operator is entitled to drill upon the	above named farm or tract of land for oil and gas, having fee
	lated March 17, 19 78 by Markey
	and recorded on the day of
19_78 inDoddridge County, Book104	
NEW WELLDRILL DEEPER	REDRILLFRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED	
	r licensed land surveyor and all coal owners and/or operators
	notified that any objection they wish to make, or are required led with the Department of Mines within ten (10) days *
	registered mail, or delivered to the above named coal operators
	Very truly yours,
PLEASE SUBMIT COPIES OF ALL	(Sign Name) De Managhin
WEST VIRGINIA GEOLOGICAL AND	veen operator
ECONOMIC SURVEY Addres	s P. O. Box 239 Street
P. O. BOX 879 of Well Oper	
MORGANTOWN, WEST VIRGINIA 26505	City or Town
250 JUN 252 UJJI	West Virginia 26351
	State
notice and plat by the department of mines, to said proposed location,	epartment of mines, within said period of ten days from the receipt of the department shall forthwith issue to the well operator a permit reciting erators or found thereto by the department and that the same is approved
The second secon	47-017-2818
"I have read and understand the real-metion	PERMIT NUMBER
"I have read and understand the reclamation requirements as set for Chapter 22. Article 4, Section 12-b and will carry out the specified require	ments."

# THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	XDRILL	DEEPEN FRACTURE-STIMULATE				
DRILLING CONTRACTOR: (If I		RESPONSIBLE AGENT:  NAME Joe Molaughlin  ADDRESS Glenville, W				
NAME Fox Drilling	lompany					
ADDRESS Glenville,	T(X)					
TELEPHONE 462-7353						
ESTIMATED DEPTH OF COMPLI	ETED WELL: _2700 *	ROTARY	CABLE TOOLS			
PROPOSED GEOLOGICAL FORM	iation: Berea					
TYPE OF WELL: OIL_	GAS C	OMB STORAC	E DISPOSAL			
			OODOTHER			
TENTATIVE CASING PROGRAM	:	-				
	FIGURE TOTAL	LEFT IN	CEMENT III CP			
CASING AND TUBING SIZE	USED FOR DRILLING	WELL	OR SACKS - CUBIC FT.			
20 - 16						
13 - 10						
9 - 5/8						
8 - 5/8	640 *		cement to surface			
7						
5 ½						
4 1/2	2700 !					
3	144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144		Perf. Top Perf. Bottom			
2			Perf. Top			
Liners			Perf. Bottom			
TO DRILL: SUBMIT FIVE (5) COPIES	OF OG - 1, \$100.00 PERM	IT FEE, PERFORMANCE	BOND AND PERMANENT COPY			
OF PLAT.		÷				
TO DRILL DEEPER OR REDRIL	.L:					
	TO 1929, A PERMANENT C		AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD			
TO FRACTURE - STIMULATE:						
	RIGINALLY DRILLED BEFO ' AND ORIGINAL WELL RE		5) COPIES OG - 1, PERFORMANCE			
	RIGINALLY DRILLED ON A UMBER,AND PERFORMANCI		929, FIVE COPIES OG - 1, SHOW-			
Required forms must be file four (24) hours in advance.	d within ninety (90) days of	completion for bond release	se. Inspector to be notified twenty-			
		well to				
	be completed by the coal or	perator if the permit is to	be issued within ten days of receipt			
thereof.						
			ner or Operator of the coal under			
this lease have examir	ned and place on our mine r	naps this proposed well lo	ecation.			
			d well being drilled at this location,			
• • •	complied with all rules and re	gulations in Articles 4, 5, a	nd 7, Chapter 22 of the West Virginia			
Code.			The star.			
			For Coal Company			

Official Title