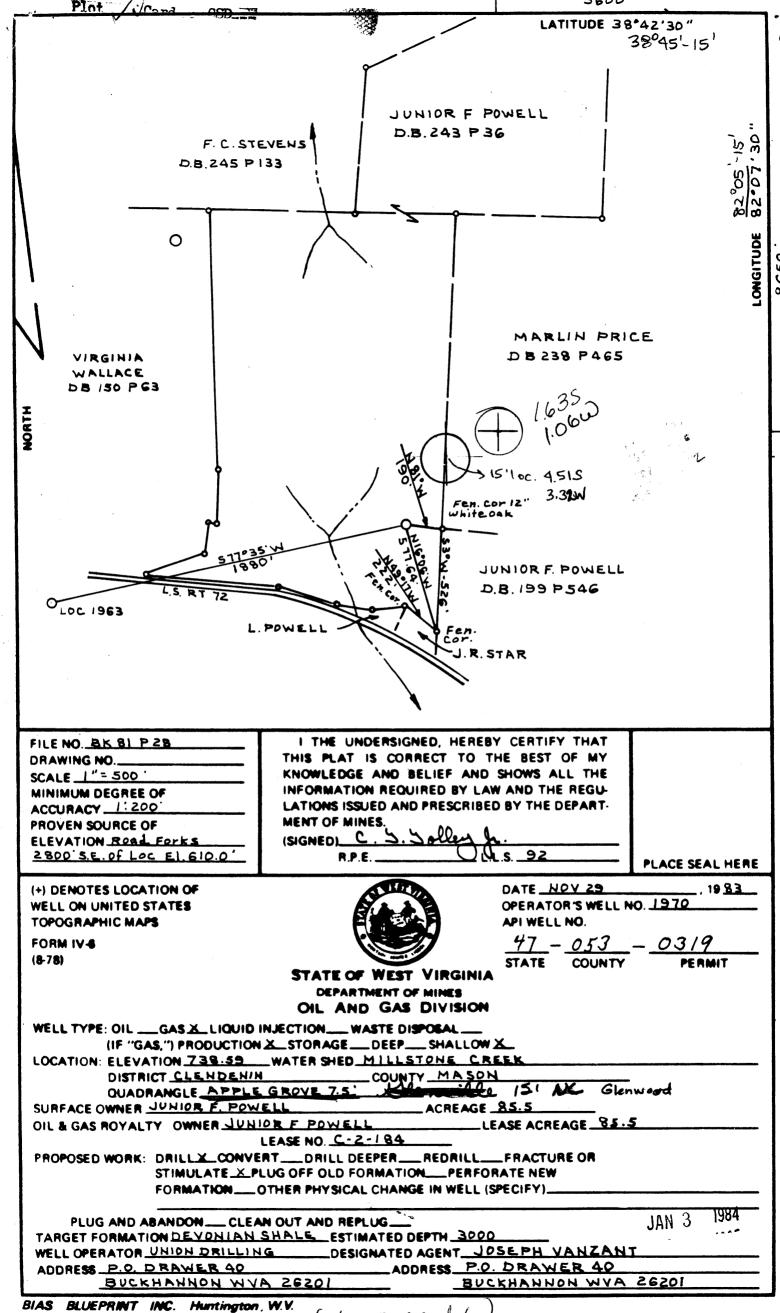


DILLEDDINIT INC **U**. mtinaton



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IV-35 (Rev 8-81)

OIL & GAS DIVISION DEPT. OF MINES



Transmin II				Date April 17,1984						
5	•				Operator's					
State	nf	Meat	<u> </u>	Well	No.		1 -	1970		
<i>6</i>	~-	الماعلم	Cugu.		· _ •					

Bepartment of Mines
Oil und Cas Phision

	L No			1 - 1	970		
Fam	n Ji	ınic	r F	.Powe	11	#1	
API	No.	47	_	053	_	0319	

WELL OPERATOR'S REPORT OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYP	E: Oil / Gas x / Lic (If "Gas," Production	quid Injecti / Undergr	cun	_/Wast iStorag	e Disposal e/ Deep	L/ p/ Sha	llow_1	<u>k</u> /)
LOCATION	: Elevation: 738!	Watershed		Millston	e Creek			
	District: Clendenin					Apple (Frove	
	• .	·						
COMPANY	UNION DRILLING, INC.							
ADDRESS_	P.O.Drawer 40, Buckhannon	,WV 26201	Γ	Caşing	Used in	Left	Cenen	
DESIGNAT	ED AGENT Joseph C.Vanzan	t,Jr.	- 1.	Fubing	Drilling		fill Cu.	-
ADDRESS_	P.O.Drawer 40,Buckhannon	,WV 26201	<u> </u>	Size	<u> </u>			
SURFACE.	OWNER Junior F.Powell	· .	:	20-16			-	
ADDRESS_	Apple Grove,WV 25502			Cond.				
MINERAL	RIGHTS OWNER Same			13-10"	14'			
ADDRESS			Г	9 5/8	913.05			
OIL AND	GAS INSPECTOR FOR THIS WO	RK	- -	8 5/8				
Jerry Teph	abock ADDRESSRt #1,Box 101	-A, Ripley,W	v	7	2077.05'	696.0'	59	cf
	SSUED 12/28/83	25271	- -	5 1/2				
	COMMENCED 2/21/84		ŀ	4 1/2	3305.80'		152	_cf
•	2/26/84		F	3				
IF APPLI		OLE ON	-	2				
CONTINUC	OUS PROGRESSION FROM DRILLI IG. VERBAL PERMISSION OBTA	ING OR]	Liners useđ		·	•	
ON			Ī				<u> </u>	
GEOLOGIC	AL TARGET FORMATION	Lower Hur	on		Dept	th3000	o'	feet
Dep	th of completed well 3405	feet	Ro	tary_x	/ Cable	T∞ls_		
Wat	er strata depth: Fresh_5	4' 1213feet;	S	alt <u>132</u>	0' feet			
Coa	l seam depths: none			Is coal	being mine	ed in the	area?	no
OPEN FLO	W DATA							
Pro	ducing formation Hu	ron		Pay	zone dept	th3206	•	feet
Gas	: Initial open flow sh	owMcf/d	0	il: Ini	tial open	flow	B	bl/d
	Final open flow	60 Mcf/d		Fin	al open fi	low	B	bl/d
	Time of open flow	between ini	tia	l and fi	nal tests	6 days K&		
Sta	tic rock pressure not tak	empsig(surfa	ice :	measurem	ent) after	rhou	rs shu	t in
(I)	f applicable due to multip	le completio	n)				
Sec	cond producing formation_			Pay	zone dep	th		feet
	: Initial open flow							
	Final open flow							
	Time of open flow	between ini	itia	l and fi	nal tests	ho	urs	
Sta	atic rock pressure				-			

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

Halliburton - 1 stage Foam Frac - 4/10/84

2880/3206 = Huron - 60,000# 20/40/ sand,347 Bbls water and 1,016,000 scf nitrogen

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas			
Sand & Shale Red Rock Sand & Shale Big Lime Injun Berea Lower Huron Upper Huron (12 12 13 13 13 12 15 13 13 12 10 10 15 15 13 13 12 10 10 15 15 15 15 15 15 15 15 15 15 15 15 15	0 69 222 1372 1466 1990 2878 2928	69 222 1245 1450 1500 2015 2891 3215 3405	1/4" stream water @54' 1/2" stream water @1213 1 1/2" stream salt water @1320 2018-GR (28) T.D. gas show On gola a To			
A 3320 -	-					
-	•					

(Attach separate sheets as necessary)

	UNION DRILLING, INC.
We	11 Operator
Ву:	Searle Coletter
Date:	Joseph C.Pettey, Vice President of Production

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 only, encountered in the drilling of a well."

FILE COPY



1)	Date: Decem	₁₉ 83			
2)	Operator's Well No	1	970		
3)	API Well No.	47	- 053 -	0319	
		State	Cou	nty	Permit

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

4) WELL TY	PE: A O	il	/ Ga	ıs 2	(/	,				
*,			Production	_	ζ	_/ Underground	storage	/ Deep	$\underline{\hspace{1cm}}$ Shallow $\underline{\hspace{1cm}}$ X	
5) LOCATIO			738.			-	Millstone (
,			llender			County:			Apple Grove	
6) WELL OP					Inc.		•		C. Vanzant, Jr.	-
Address			ce Dra				Address		ffice Drawer 40	
•			n. WV					Buckhannon.		
8) OIL & GA		•	· .				9) DRILLING CO		777 20201	
Name		Tepha					•	ion Drilling.	Inc.	
Address		ute 1.		101-/	4		Address	Post Office		
		pley,		5271				Buckhannon,		
10) PROPOSE	D WELL	WORK.	Drill	Χ	_/ Drill	deeper	/ Redrill		Υ ,	
10, 1101051	JD WELL	··· OIRIR.				•	ate new formation			18
						well (specify)	are new formation			
11) GEOLOG	ICAL TAR	GET FOR					OWER HI	1RON 1		—
12) Estima						feet	<u> </u>	45.00	29 AT 11 1 15	ه جنست
13) Appro			- 1		_		. ? /	feet.		
14) Appro		1 7	•		?		al being mined in the		ME / WASIE).Nj
15) CASING							a. cemp minea m m	raica: 165		
CASING OR	11		IFICATIONS		11	FOOTAGE	INTERVALS	CEMENT FILL UP	The same of the sa	Lauri ~
TUBING TYPE	. SI	l .	Weight	ı	1		1	OR SACKS	PACKERS	
Conductor	Size 11-3/4	Grade	per ft.	New	Used X	For drilling	Left in well	(Cubic feet)		CENTRA
	11-2/4		32		 ^ 	30'	30'	#	Kinds	THE REAL PROPERTY.
Fresh water					 					-
Coal	8-5/8		23	ļ <u></u>	t _v t	1000 6/20	1 1000 490	2101 4	Sizes di la	 _
Intermediate	4-1/2	J-55	$\frac{23}{10.5}$	X	 ^ -	1000 936			CTS-NE	47
Production	4-1/2	0-33	10.5	Α_	 -	3000'	3000'	640 sacks	Depths set	_
Tubing					 			or as re	1	<u>د د</u>
Liners					 -			 	Perforations:	
					 			#	Top Bottom	
				-			 			
	<u> </u>		L		LI_			Щ		
		: :				FFICE USE	ONII V			
						RILLING PE			· · · · · · · · · · · · · · · · · · ·	
•		45 050	0010			AGELING 1 E			6	
Permit number_		47-053	-0319				3	Dec	ember 28, 1983	
								Da		
This permit cove	ering the we	il operato	r and well	locatio	on shown b	elow is evidence	of permission grante	ed to drill in accordan	ce with the pertinent legal	re-
quirements subje	ect to the co	onditions c	ontained l	herein a	and on the :	reverse hereof.No	tification must be gi	ven to the District Oil	and Gas Inspector, (Refer	to
district oil and g	as inspector	r 24 hours	before ac	ons and tual pe	pits for an rmitted wo	rk has commence	. In addition, the w	ell operator or his con	tractor shall notify the proj	er
							104	11.01		
reverse hereof.	ork is as de	scribed in	the Notice	e and A	хррисацоп,	, piat, and reciam	ation plan, subject t	o any modifications a	nd conditions specified on	he
Permit expires _		Decem	ber 28	, 198	5	unless well	work is commenced	prior to that date and	prosecuted with due diligen	
						uniess wen	work is commenced	prior to that date and	prosecuted with due dingen	:е.
. T	. :						i i i			
Bond:	Agent	1	Plat:	Casin	Ig I	Fee d			1	
di Rawa		$\rho \mid Y$	$\eta H \mid $	YYHt	1 60	1 .		1	1//	
-	~		<i>-</i>		166		1 10400	note /	Jessi.	
				,		4		injetrator Office of C	bl and Cas	_
NOTE: Keep o	ne copy of	this perm	it posted a	t the d	rilling locat	tion.	// Adm	inistrator, Office of C	m anu Uas	

m 00 2 Sea 188

JAN 09 1989

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY

REVISED

DIVISION OF OIL & GAS DIVSION OF OIL AND GAS

DEPARTMENT OF ENERGY OF FLUGGING AND FILLING WELL

AFFIRAVITE SHOULD BE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Tarm nome:	FOWELL, JU	VIOR F.	0:	erator	Well N	0.:1-1970		
:MOLTAGO	District:	738.00 CLENDENIN		C	ounts:	MASON		
		8650 Feet 5600 Feet						
P.	O. Drawer 40	ces Exploration	_	O feod	perator er	Junior F. Apple Gro	Powell ve, WV 255	02 02
Enspector:		erry ock		Coal O or Own	er			
			AFFIDA	UTT				
	SI VIRGINIA Upshur	,		,				
		rding to la						
in the work	k of Plussi	ng and fill:	ing oi:	l and s	as well	s and were	s embloaeq	1 pa
Equitable Re	sources Explo	ration.Inc	, wel	l oper	ator, a	nd partic:	ipated in	the
ork of alo	ussins and	filling the	s spok	e well,	that s	aid work u	ass commet	ıced
on the14	dsa	ofDecember	r,	1988,	and tha	t the well	l was plus	1sed
		onnem eniwo						
TYI		FROM	_	TO	PIPE	REMOVED	LEFT	
		TD						1
Cement 8 sk	.s	2900	_	800	1			1
0	í agī	2800						1
Cement 25 s	ks		_	1630	1		١ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ	١ ــــ١
	gal		_	400	1		l	1
Cement 3/s	ks1	1400		1300				1
98 deT 830	gal	1300	_ 1	960	1			ا ج چر۔
Cement 3/s	KS	960	_	860	1		1 _ 913 (9 5)	/8) I
	gal		_	100	1		١	1
Cement 37 s		100	- 1 <i></i> . - 1 <i></i> .	0	1		1/23/89	1
. Descri	etian of mo	nument:7"_1	<u>pipe th</u>	cee feet	<u>above gr</u>	ound with A	∤I_number	
		k of pluss:			ng said	well was	completed	វ ០៧
he14	day ofDec	ember	19_8	18.		17 11		
				\sim		96 11	< 1811 O O	
ind furthur	deronents	saith not.		PI	IN D	M-	JAN_2_3_	1989-
				_ [pill	yp_Tu	ulan-		
		fore me this	5 _ <i>22</i>	day	ofx	uendus	کے_19 ر ہ	<u> </u>
ly commissio	nn expirect	6/1/2	3 _			.1.1	. / \	
	THE WAY	OFFICIAL SEAL TARY PUBLIC			- Joice	- HZ/d	L/W)	
		E OF WEST WEST WAS IN IA			N	otary Publ	lic	

STATE OF WEST WESTING

JOYCE K. Harlow

REP's 1, But 211-8, French Creek, 28219