

IV-35 (Rev 8-81)



OIL & GAS DIVISION
DEPT. OF MINES



Sinde of Mest Flieginia

Department of Mines Division

Date November	14, 1983
Operator's	
Well No. 1	- 1916
Farm Vernon	M. Varnum
102 10 17	053 - 0304

WELL OPERATOR'S REPORT

CORRECTED

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

• • • • • • • • • • • • • • • • • • • •		D! 1		•	
WEIL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production x / Underground	/ Wast	e Disbigat	/ Sha	llow <u>x</u>	/)
LOCATION: Elevation: 645 Watershed Fla					-
District: Clendenin County Mason		Quadrangle	Apple	Grove	-
•					
COPANY Union Drilling, Inc.				Cerent	_
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201	Caşing	Used in	Left	fill u	P
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	in Well	Cu. f	<u>-</u>
ADDRESS P. O. Drawer 40, Buckhannon, W 26201	Siz e 20-16			٠	
SURFACE OWNER Lucille W. & Vernon Varnum	Com.	30'	· 30'		
ADDRESS 2656 Collis Avenue, Huntington, WV 25702	13-10"				
MINERAL RIGHTS OWNER Same as Surface	9 5/8	815.60	815.60'	295 cf	:
ADDRESS	8 5/8		·		
OIL AND GAS INSPECTOR FOR THIS WORK Jerry Route #1, Box IUI-A	. 7	1984.00	681.50'	94 cf	:
Tapbaloh ADDRESS Ripley, WV 25271	5 1/2				
PERMIT ISSUED August 23, 1983	4 1/2		3188.75'	146 cf	
DRILLING COMMENCED 09/21/83	3				
DRILLING COMPLETED 09/28/83	2				
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REVORKING. VERBAL PERMISSION OBTAINED ON	Liners used		·	·	
	<u> </u>	2	+b 770.4		eet
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep			,656
Depth of completed well 3394 feet I	otary 3	1230 cm	e JOOTZ		
Water strata depth: Fresh 686 feet;	Salt_043	reet	• • •		
Coal seam depths: None	Is coal	being min	ea m en	area!	NO
OPEN FLOW DATA -					
Producing formation <u>Nevonian Shale</u>	Pa	y zone dep	th 3394	1 1	eet
Gas: Initial open flow Shoe Mcf/d	Oil: In	itial open	flow	B	기/₫
Final open flow (169) Mcf/d	Fi	nal open f	low	Bi)]/d
Time of open flow between init	ial and f	inal tests	? h	ours	
Static rock pressure 600 psig(surface	e measure	ment) afte	<u>24 ho</u>	urs shut	: in
(If applicable due to multiple completion					٠.
Second producing formation		y zone deg	eth		feet
Gas: Initial open flow Mcf/d	Oil: Ir	uitial oper	flow	E;	51/d
Final open flow Mcf/d				Bi	o1/d
Time of open flow between init	ial and s	final tests	sh	ours	
Static rock pressurepsig(surface					t in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIPULATING, PHYSICAL CHANCE, ETC.

lower Huran

On 10/07/83 Halliburton Foam Fractured the Devonian Shale (2770/3094) with 60,000# sand, 184 BBL Water and 1,186,000 SCF Nitrogen.

WELL LOG

			•		
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all franchist water, coal, oil and		
Clay Sand, Shale and Red Rock Big Lime Big Injun Sand and Shale Coffee Shale Berea Top of Devonian Shale to TD	0 3 1260 1380 1684 1898 1908	3 1260 1380 1684 1898 1908 1934	Damp hole at 686' Water at 845' 2" Water at 1230' 3 to 4"		
•			J 3100 04 A 326 -7		
•••		·			
	•				

(Attach separate sheets as necessary)

UNION DRILL	LING, INC.
By: See of Pelloy	Joseph C. Pettey Vice President of Pr
Date: November 14, 1983	

Regulation 2.02(i) provides as follows: "The term 'log' or 'well log' shall mean a systematic intailed geological record of all formations, including was!, encountered in the drilling of a well."

1)

2)

Date:	August	<u> </u>	,	1983
Operator's	,			

Well No. $\frac{1 - 1916}{47 = 053 - 0304}$ 3) API Well No. $\frac{47 = 053 - 0304}{\text{State}}$ Permit

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

4)	WELL TY										
		B (If "Gas",	Productio	n	_X	/ Underground st	torage	/ Deep	_/ Shallow <u>X</u>	_/)
5)	LOCATIO	N: Ele	evation: _	_645.0	12		Watershed:	Flatfoot C	reek		
		Di	strict:	Clender	nin_		_ County: <u>Ma</u>	son	Quadrangle:	Apple Grove	
6)	WELL OP	ERATOR					·	7) DESIGNATI	ED AGENT _Joseph	C. Vanzant	Jr.
	Address	s	P. 0	. Drawe	er 40)		Address		Drawer 40	
			Buckt	nannon	, WV	_2620	1			nnon, WV 262	<u> </u>
8)	OIL & GA	S INSPEC	TOR TO	BE NOTI	FIED		9	9) DRILLING	CONTRACTOR:		
	NameI	<u>(enneth</u>	But1	er 73	<u> 36-48</u>	385		Name <u>U</u>	nion Drilling,	Inc.	
	Address		FD #1					Address	P. O. Draw	er 40	
	•	B	arbour	csville	e 25	504			<u>Buckhannor</u>	. WV 26201	
10)	PROPOSE	D WELL	WORK:	Drill	_x	_/ Drill	deeper	/ Redrill	/ Stimulate		
Í							n/ Perfora			 /	
							n well (specify)		··		
11)	GEOLOGI	CAL TAR	GET FOR				nian Shale				
ĺ	12) Estima										
								?	feet.		
	14) Appro					_			he area? Yes	/ No. 35	,
15)	CASING A		-				13 COa	ocing innica in the	ne area: res	/ NoX	/
,	ASING OR	11		CIFICATION			FOOTAGE IN	TEDVALE	II CENTER ELL COM	l	
	JBING TYPE		!	Weight	1	1	i e		CEMENT FILL-UP OR SACKS	PACKERS	
		Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
	ductor	5/8		36#	X		300	300	to surface	Kinds	
	h water	 		 	 	1					
Coa		ļ		20#		 	2270			Sizes	
	rmediate	4 7 /2		20#	X	 	2250	2250	400 sks.		
	duction	4 1/2		10.5#	X			3500	350 sks. or	Depths set	
Tubi		ļ ·		 	ļ	ļ			as required		
Line	ers	-		 						Perforations:	
				 		 				Top Bottor	n
				ļ		ļ			1		
		<u> </u>	<u> </u>	1	.,						
								**************************************	···		
							OFFICE USE O				
		*,-	7 052	020/			DRILLING PER	RMIT			
Perr	nit number_	4,	7-053-	0304					August 2	3 19	83
- •									Date		
This	permit cove	ring the we	ell operato	or and wel	l locatio	on shown	below is evidence of	nermission gran	ted to drill in accordance		
quir	ements subje	ct to the co	onditions (contained	herein a	and on the	e reverse hereof. Not	ification must be	given to the District Oil	and Gas Inspector (Re	efer to
No.	8) Prior to the	he construc	tion of ro	ads, locati	ons and	d pits for	any permitted work.	In addition, the	well operator or his cont	ractor shall notify the p	proper
							ork has commenced				
The	permitted we rse hereof.	ork is as de	scribed in	the Notic	e and A	applicatio	n, plat, and reclamat	ion plan, subject	to any modifications ar	d conditions specified	on the
		Augu	ıst 23	, 1985			, ,,				
Pern	nit expires _						unless well v	vork is commence	d prior to that date and	prosecuted with due dili	gence.
											
В	ond:	Agent	:: 1	Plat:	Casir	47	Fee		Ĭ		
	1505	OK	- 1/2			12	333			À	
			16	<u> </u>	<i>U</i> _			1111	$\langle \cdot \rangle$	~ \	
								1/1/1/1	<u> </u>	- 10000	
אַר	ΓE: Keep or	ne conv of	thic mar-	it posted -	المحطاء ال	rillina la -	ation	Adn	ninistrator, Office of Of	l and Gas	
	L. Rech OI		mis perm	n posteu a	it the a	ining loc	auui.				File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.