

H. T. HALL

IV-BECEIVED (Rev 8-81)NOV 7 - 1984

OIL & GAS DIVISION
DEPT. OF MINES



## State of Mest Nirginia Bepartment of Mines

Bepartment of Mines
Oil und Vas Bivision

Date_	Novem)	ber 2	, 1984	
Operat	cor's			
	No	_ 20	13	
Farm	Karl I	Blaine	#1	
	2. 47		- 0341	

### WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas X / Liquid Injection (If "Gas," Production / Undergrou	/ Wast	e Disposal e/ Deep	/ / Shal	lļow <u>x</u> /)
IOCATION: Elevation: 567' Watershed	•			
District: Clendenin County Mas				ove
COMPANY UNION DRILLING, INC.				Cerent
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Casing	Used in		fill up
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size			
SURFACE OWNER Karl Blaine	20-16 Cord.			
ADDRESS Rt. #1, Box 284, Millfield, Ohio 45761	13-10"			
MINERAL RIGHTS OWNER same	9 5/8	614.30'	614.30'	247 cf
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1899.80'	686.05	59 cf
Jerry Tephabock ADDRESS Rt.1, Box 101-A, Ripley, WV 25271	5 1/2			
PERMIT ISSUED 3/26/84	4 1/2		3177.15'	152 cf
DRILLING COMMENCED 10/17/84	3			
DRILLING CCMPLETED 10/21/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			·
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep	th 3500	' feet
Depth of completed well 3200' feet	Rotary XX	/ Cabl	e T∞ls	
Water strata depth: Fresh 765' feet;	Salt no	ne feet	:	
Coal seam depths: none				area?_no_
OPEN FLOW DATA - Producing formation Upper & Lower Huron	Pa	y zone dep	oth 2904	feet
Gas: Initial open flow show Mcf/d				
Final open flow (133) Mcf/d	Fi	nal open i	Elow	Bbl/d
Time of open flow between init				
Static rock pressure 600# psig(surface				
(If applicable due to multiple completion				•
Second producing formation		y zone dej	oth	feet
Gas: Initial open flowMcf/d	Oil: Ir	utial oper	n flow	Bb1/d
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
DE(	0 3 1984			
	<b>-</b>	'(Cont	irue on r	everse side

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

Dowell - 1 stage Foam Frac - 10/26/84

2595/2904 Supper Huron - 60,000# sand, 310 Bbls water and 850,000 scf nitrogen Lower Huron

#### WELL LOG

	WI	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Sand & Shale Berea Top of Devonian Shale Upper Huron Shale Lower Huron Shale Angela Shale from GR to Carrie R	0 1752 1778 2581 2643 2914	1752 1778 2604 2914 3098 3200'	1/2" stram water @765' T.D.
e birt up com			
•••			
•	•		₹5 <u>\$</u> ;

(Attach separate sheets as necessary)

11/02/84

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."



1) Date: Febr	uary	2	4		, 19 <u>84</u>	
2) Operator's Well No	2013					
3) API Well No.	47	_	053	_	0341	_

County

Permit

State

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

#### **APPLICATION FOR A WELL WORK PERMIT**

-,LL 11	PE: A C								
			Productio	nX			storage	/ Deep	$\underline{\hspace{1cm}}$ Shallow $\underline{\hspace{1cm}}$ $\underline{\hspace{1cm}}$
5) LOCATIO		evation:				_ Watershed: _	<u>Crab Creek</u>		
	Di		<u>lenden</u>			County:	Mason		Apple Grove
6) WELL OP			<u>n Dril</u>				7) DESIGNATE		<u>h C. Vanzant, Jr.</u>
Address			ice Dra			· · · · · · · · · · · · · · · · · · ·	Address	Post Office	
•		khanno			201			Buckhannon,	WV 26201
B) OIL & GA				FIED			9) DRILLING C		_
Name		,	habock				Name <u>Unic</u>	on Drilling.	
Address			Box 1				Address	Post Office	
	Rip	ley, V	NV 2:	5271				Buckhannon,	WV 26201
0) PROPOSE	D WELL	WORK:	Drill	<u>X</u>	_/ Drill	deeper	/ Redrill	/ Stimulate	ADDICE STORE
			Plug o	ff old f	ormation_		rate new formation	/	N. OCH VE
			Other p			well (specify)			in the second
i) GEOLOGI	ICAL TAR	GET FOR	RMATION	,		Shale			GG FFB 9 7 1984
12) Estima	ated depth	of comple	ted well,	<u>350</u>	0	feet	_		, mar 14 1
13) Appro	ximate trat	a depths:	Fresh, _	<u> </u>		feet; salt	:,?	feet.	OIL & GAS DIVISION
14) Appro	ximate coa	l seam der	pths:	<del>?-</del>		Is co	al being mined in the	e area? Yes	No X MAIX
) CASING	AND TUBI	NG PRO	GRAM						DEF:. OF arms
CASING OR TUBING TYPE	1 .	SPEC	CIFICATION	S	1	FOOTAGE	INTERVALS	CEMENT FILL-UP	PACKERS
TOBING TIPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in weil	OR SACKS (Cubic feet)	
onductor	11-3/	4	32	X		30'	30 '		Kinds
esh water									
oal						767'	767'		Sizes
termediate	8-5/	8	23	X		1000	1000	to surface	NEA:7
oduction	4-1/	2 J	$10^{1}_{2}$	X		3500'	3500'	as required	Depths set
ubing								641	4/2 1501
ners									Perforations:
									Top Bottom
	*								
						OFFICE USE	ONLY		
					E	RILLING PE	RMIT		
	47-	053-0	341					March 2	19 84
rmit number_								Da Da	
is permit cou	ring the w	all operat	or and wal	U locatio	- aha 1		<b>-6</b>		
iirements subic	ect to the co	onditions	contained	herein a	nd on the	reverse hereof No.	of permission grant	ed to drill in accordant	nce with the pertinent legal re- and Gas Inspector, (Refer to
· o/ I iidi to ti	ie construct	non of Los	aus, iocau	ons and	pits for an	ly permitted work.	. In addition, the w	ell operator or his con	t and Gas Inspector, (Refer to itractor shall notify the proper
strict oil and g	as inspecto	r 24 hour	s before a	ctual per	rmitted wo	ork has commence	d.)	-	
e permitted w	ork is as de	scribed ir	n the Notic	e and A	pplication	, plat, and reclam	ation plan, subject t	o any modifications a	nd conditions specified on the
verse hereof.			, 1986						-
	rid L		, 1900			unless well	work is commenced	l prior to that date and	prosecuted with due diligence.
		- 12							
ermit expires _	Agen	1:1	Plat:	Casin	g	Fee			
ermit expires _	Agen	t:	Plat:	Casin	- ;	Fee			
ermit expires _	Agen	1:1 /	Plat:	Casin M	4/0	,			
ermit expires _	Agen	1: V	Plat:	Casin M	4/0	14	71	II S	