

IV-35 (Rev 8-81)



OIL & GAS DIVISION DEPT. of MINES



State of Mest Pirginia

Bepartment of Mines Oil und Cas Bivision

Date	March 17, 1984
Operator'	
Well No.	1 - 1960
Farm Wil	lliam Woods,Jr.#1
API No.	47- 053 - 0313

WELL OPERATOR'S REPORT

OF DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WEIL TYPE: Oil / Gas x / Liquid Injection (If "Gas," Production / Undergrou	n/ Wast	ze Disposa ge/ Deeg	L/ b/ Sha	llow_x/)
IOCATION: Elevation: 560' Watershed	Flatfoot	Creek		
District: Clendenin County Mason	3	Quadrangle	Apple G	rove
COMPANY INION DRILLING.INC. ADDRESS P.O. Drawer 40, Buckhannon, WV 26201				Cement
RUINUS	Caşing	Used in	1	fill up
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P.O.Drawer 40, Buckhannon, WV 26201	Size 20-16			·
SURFACE OWNER William Woods, Jr.	Cond.			
ADDRESS Gallipolis Ferry, WV 25515	13-10"			
MINERAL RIGHTS OWNER Same	9 5/8	758.40		
ADDRESS	8 5/8			
OIL AND GAS INSPECTOR FOR THIS WORK	7	1858.99	722.44	71 cf
erry Tephabock ADDRESS Rt#1,Box 101-A,Ripley,WV 25271	5 1/2			
PERMIT ISSUED 11/28/83 232/1	4 1/2	3074.05		153 cf
DRILLING COMMENCED 3/3/84	3			
DRILLING COMPLETED 3/7/84	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON				
GEOLOGICAL TARGET FORMATION Lower Huron			th 3500'	feet
	Rotary x		e Tools_	
Water strata depth: Fresh 35,930 feet; Coal seam depths: none OPEN FLOW DATA		feet being mir		e area? <u>no</u>
Producing formation Huron, Angola	Pa	y zone dep	oth302	²⁶ ' feet
	Oil: Ir	itial oper	flow	Bbl/d
Final open flow (125 Mcf/d	Fi	nal open i	low	Bbl/d
Time of open flow between init	tial and f	inal tests	6 days M	SEXTE
Static rock pressure not taken psig(surface	ce measure	ment) afte	er hou	ırs shut i
(If applicable due to multiple completion				PR 2 1984
Second producing formation		y zone dej	oth	fee
	Oil: L	itial oper	n flow	Eb1/6
Final open flow Mcf/d		inal open :		Bb1/6
Time of open flow between ini	tial and	final tests	s h	ours -
Static rock pressure psig(surface				urs shut i

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

Nowsco - 1 stage Foam Frac - 3/11/84

2618/3026 - Huron - Angola - 60,000# 20/40 sand,265 Bbls water and 828,500 scf nitrogen

Property and best

H 26 1 8-294 .

WELL LOG

· J 2041.-3026

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	and salt water, coal, oil and gas	
Sand & Shale Red Rock Little Lime Big Lime Injun	0 188 1050 1090 1257 1811	188 1050 1080 1126 1307	1" stream water @35' 1" stream water @930' 1 " stream water @ 1470'	
Berea Upper Huron Lower Huron Angola	2618 2672 2942	2633 2942 3060 3160	T.D. gas show	
			Remark of the second	
			H 2600-2941 (3A) I 2041-3042 (3A) A 3042	
•	-		A 3042	
· · · · · · · · · · · · · · · · · · ·			ક્રિકુર્ગ પ્ર ક ે છેલ્લ.	
		<i>2</i>		
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(Attach separate sheets as necessary)

	UNION DRILLING, INC.
We.	LL Operator
By:	Jasur (Litty
Date:	Joseph C.Pettey, Vice President of Production

3/17/84

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 and encountered in the drilling of a well"



1) Dat	e:Nove	mber :	9		19_83
2) Ope	rator's	1-196		,	
3) API	Well No.	47 -	053 -	0313	
		State	Cou	inty	Permit

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

APPLICATION FOR A WELL WORK PERMIT

6) WELL OPERATOR Union DRilling, Inc. Address Post Office Drawer 40 Address Post Office Drawer 40 Address Post Office	Apple Grove
District: Clendenin County: Mason Quadrangle: 6) WELL OPERATOR Union DRilling, Inc. 7) DESIGNATED AGENT JOSEP Address Post Office Drawer 40 Address Post Office	Apple Grove
6) WELL OPERATOR Union DRilling, Inc. Address Post Office Drawer 40 Address Post Office Drawer 40 Address Post Office	Apple Grove
Address Post Office Drawer 40 Address Post Office	
	h Vanzant
Direction and MAI 76701	
Buckhannon, WV 26201 Buckhannon,	WV 26201
8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Jerry Tephabock 9) DRILLING CONTRACTOR: Name Union Drifting.	Inc.
Address Route 1. Box 101-A Address Post Office	Drawer 40
Ripley, WV 25271 Buckhannon,	WV 26201
10) PROPOSED WELL WORK: Drill X Drill deeper/ Redrill/ Stimulate	X
Plug off old formation / Perforate new formation /	TOTE CETTOPS
Other physical change in well (specify)	A CET A LE
11) GEOLOGICAL TARGET FORMATION, Devonian Shale	
12) Estimated depth of completed well, 3500 feet	NOV 1 0 1983
13) Approximate trata depths: Fresh, ? feet; salt, ? feet.	1107 1 3 1003
14) Approximate coal seam depths: ? Is coal being mined in the area? Yes	OUL No GASK DIVISION
15) CASING AND TUBING PROGRAM	
CASING OR SPECIFICATIONS FOOTAGE INTERVALS CEMENT FILL-UP	DEPT. OF MINE
TUBING TYPE Weight OR SACKS	PACRERS
Size Grade per ft. New Used For drilling Left in well (Cubic feet)	
Conductor 11-3/4 32 X 30' 30'	Kinds
Fresh water 100' cement +	
Total	Sizes rule 15.05
TOO TOO SECUE	Or as req. by
Production 4-1/2 J-55 10.5 X 3500' 3500' 1013 sacks	Depths set VULC 15.01
Tubing	
Liners	Perforations:
	Top Bottom
OPPLOE LIGE OVER A	
OFFICE USE ONLY	
DRILLING PERMIT	
Permit number 47-053-0313 No.	ovember 28, 1983
	ate
This permit covering the well operator and well location shown below is evidence of permission granted to drill in accorda	ance with the pertinent legal re-
quirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District O	ii and Gas Inspector, (Refer to
No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his co district oil and gas inspector 24 hours before actual permitted work has commenced.)	ntractor shall notify the proper
The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications reverse hereof.	and conditions specified on the
Permit expires November 28, 1985 unless well work is commenced prior to that date and	d processited with due dilicense
unless wen work is commenced prior to that date and	a prosecuted with due diligence.
NRET BOND Agent: Plat: Casing Fee	
mre DUNY my mx 10574	
Administrator, Office of	Oil and Coo