

IV-35
(Rev 8-81)

NOV 2 3 1983

CIL & SAS DIVISION
DEPT. OF MINES

DRILLING, FFACTURE



Sinte of Mest Nieginia

Bepartment of Mines Oil und Gas Bivision

Date	November	r 14, 1	983
Opera	tor's		
	No1		
Farm	I. Kelson	n Coope	er
API N	0. 47 -	053	- 0301

WELL OPERATOR'S REPORT OF CORRECTER

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANCE

			•::: <b>T</b>	+:	/ Waet	e Disposal	. ,	•	
WELL TYPE:	Oil_/ (If "Gas	," Producti	Liquid Injec on_x/Under	grow	n amra	, Joseph	/ Shall	llow_x	_/)
LOCATION:	Elevation	580.21	Watershed	Six	<u>teenmile</u>				
	District:	Hannan	County_ M	lason		Quadrangle	Apple G	rove	
		•							
	UNION DRIL					T		Cenen	E
address <u>p.</u>	O. Drawer	40, Buckhanr	non, WV 26201	<u> </u>	Caşing	Used in	Left	fill	
	D AGENT Jos			- 1	Tubing	Drilling	in Well	Cu.	It.
ADDRESS_P	. O. Drawer	40, Buckhai	nnon, WV 2620	01	Size 20-16				1
SURFACE. O	WNER E. W.	& Naomi Co	oper Iton, WV 2554	T	Cord.				
ADDRESS_	and I. K. 6	Myrtle Coo	Iton, WV 2554 per on, WV 25541	_	13-10"	40'	40'		
MINERAL R	IGHS WIE			-	9 5/8	744.60	744.60'	266	cf
ADDRESS_		Same as Su	rface Owners	_	8 5/8				
OIL AND G	as inspecto	OR FOR THIS	WORK Jerry ox 101-A		7	1978.55 <del>%                                   </del>	695.65'	94	cf
Tapbaloh	ADDRE	SS Ripley, W	v 25271		5 1/2				
PERMIT IS	SUED Augus	st 16, 1983			4 1/2	3117.70	3117.70'	125	cf
DRILLING	COMMENCED_	10/18/83			3				
DRILLING	COMPLETED	10/21/83		-	2				
CONTINUOR	Cable: Plu US Progress G. Verbal	ion from Di	RILLING OR		Liners used		·	·	
ON									foot
ಹಾಗುಡದ	al target f	ORMATION_	Devonian Sha	<u>le</u>		Der		70	_feet _
Dept	th of campl	eted well_	3170 fe	eet I	otary_	x / Cab	le Tools_		
Wate	er strata ĉ	lepth: Fre	sh_65fe	eet;	Salt	1155 fee	<b>t</b>		
Coa	l seam dept	hs: No	ne		Is coa	l being mi	ned in th	e area	17 No
OPEN FLO									
Dec.	m unum •	nation Dev	onian Shale		P	ay zone de	pth 31	70	_feet
Can	. Tritial	onen flow	show Mc	f/d	Oil: I	nitial ope	n flow		Bbl/d
Gas	. Eisel e	oper see_	60 Mc	f/d	E	inal open	flow		Bb1/d
	rual o	of coen	flow between	init	ial and	final test	s ? h	ours	
Cha	a doce of	recurs 57	5 psig(s	urfac	e measur	rement) aft	er 24 ho	urs si	nut i
			ltiple compl						•
· ·	cond produc				1	Pay zone de	pth		_feet
Sec	contraction	and tormer	Mc						_Bb1/d
Gas	a: " - 1 -	open trow	Mc	- F /A	Oil: 1	Final open	flow		Bb1/
	Emar c	ber rrow	flow between	/u n ini:	ial and	final test	·s ì	YOUTS	
<b>-</b> -			psig(s				er h	سرع عا	but i
· St	atic rock b	ressure	hard (2)	m race	,	,	DE	121	<i>983</i>

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

On 10/27/83 Halliburton Foam Fractured the Devonian Shale (2748/3076) with 184 BBL Water, 60,000# sand, 906,000 SCF Nitrogen.

## WELL LOG

WELL LICE							
FORMATION COLOR HARD OR SOFT	TOP FEET	BOYTOM FEET	REMARKS Including indication of all freshand salt water, coal, oil and ga				
Fill Sand and Shale Big Lime Big Injun Sand and Shale Berea Top of the Devonian Shale to	0 10 1218 1342 1636 1856 < ? D- <del>183</del> 0	10 1218 1342 1636 1856 1850 1886	Water at 65' 2" stream Water at 1155' 3" stream  Java				
•			Aomer 100 and 19				
•••							
	•						

(Attach separate sheets as necessary)

UNION DRILLING, INC.						
Well Operator  By: oscal ( thu V  Date: November 14, 1983	oseph C. Pettey ice President of Prod.					
Date:						

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 will encountered in the drilling of a well."

1)	Date:	Ju1y	18	·	,	1983
2)	Operator's Well No	1 -	1920	)		
3)	API Well No.	47	-	053		0301
		State		County		Permit

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

4) WELL TY									
	•	If "Gas",			X	/ Underground	storage		$\angle$ Shallow $\underline{X}$
5) LOCATIO	) LOCATION: Elevation: <u>580.21</u> District: Hannan				_Sixteenmile				
								Quadrangle:	
6) WELL OP							7) DESIGNATE	DAGENT Joseph	C. Vanzant, Jr.
Address			Draw			<u> </u>	Address	P. O. I	
			annon	•	2620	L			mon, WV 26201
8) OIL & GA							9) DRILLING C		T
NameK			ier_/	56 <del>-</del> 48	385			ion Drilling,	
Address RFD #1 Address P. O. Drawer 40									
	Barhoursville, W 25504 Buckhannon, W 26201								•
10) PROPOSE	D WELL	WORK:			_/ Drill			/ Stimulate	_X/
							rate new formation		
<b>_</b>			Other p	hysical	change in	well (specify)			·
						feet			
							·, ?		
14) Appro		=			-	?Is co	al being mined in the	e area? Yes	/ No/
15) CASING A	ND TUB	ING PRO	GRAM						
CASING OR TUBING TYPE	1	SPEC	IFICATION:	S	1	FOOTAGE I	INTERVALS	CEMENT FILL-UP	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	9 5/8		36#	x		300	300	to surface	Kinds
Fresh water									
Coal									Sizes
Intermediate	7		20#	LX		2250	2250	400 sks.	
Production	4 1/2	<b></b>	10.5#	x			3200	300 sks. or	Depths set
Tubing								as required	
Liners	ļ ·								Perforations:
									Top Bottom
				<u> </u>					
,									
	•					OFFICE USE (	ONLY		
•					]	DRILLING PE	RMIT		
Permit number	4/-	053–03	01					August	16 ,83
cimic number				· · · · · · · · · · · · · · · · · · ·		•		Date	<del></del>
This permit cover	ring the w	ell operato	r and well	Llocatio	an chaum	balaw is suidense	a6 mammining		ee with the pertinent legal re-
quirements subje	ct to the co	onditions of	ontained	herein a	and on the	reverse hereof. No	oi permission grante	ed to drill in accordance iven to the District Oil	se with the pertinent legal re- and Gas Inspector, (Refer to
No. 8) Prior to th	ie construc	tion of ro	ads, locati	ons and	l pits for a	iny permitted work	. In addition, the we	ell operator or his cont	ractor shall notify the proper
						ork has commence	· ·		
The permitted wo	ork is as de	escribed in	the Notic	e and A	pplication	n, plat, and reclama	ation plan, subject t	o any modifications an	d conditions specified on the
everse hereof.	A1 1	gust 1	6 198	15					
Permit expires _		5 <del>000</del> ±	0, 100		- **	unless well	work is commenced	prior to that date and p	prosecuted with due diligence.
		Т	т т			<del></del>		•	
Bond	Agen	:   F	الرانطا	Casin	19	Fee	$\wedge$		
U18	OK		9/ 10		17	188	1/1/1/1/	\\ \	1
							MIMILY		
							AINCIN	N	
NOTE: Keep or	ne copy of	this permi	it posted a	t the d	rilling loca	ation.	Admi	inistrator, Office of Si	Tand Gas
			. p-3144 0						File
		See	the reverse	side o	f the APP	LICANT'S COPY	for instructions to	the well operator.	