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OIL & GAS DIVISION
DEPT. of MINES



State of Mest Nirginia

Bepartment of Mines Gil und Cas Pivision

Date	November 14, 1983						
Operator's							
Well	No. 1 - 1919						
Farm Edward E. Kinnard							
API N	o. 47 - 053 - 0308						

WELL OPERATOR'S REPORT

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

WELL TYPE: Oil / Gas $_{ m X}$ / Liquid Injection (If "Gas," Production $_{ m X}$ / Undergrou				11ow_x_/)
OCATION: Elevation: 602.83' Watershed Si	xteenmile	Creek		
District: Clendenin County Mason			⊇ Apple Gi	rove
		•		
COMPANY UNION DRILLING, INC.				
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201	Casing	Used in	Teft	Cement
DESIGNATED AGENT Joseph C. Vanzant, Jr.	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Drawer 40, Buckhannon, WV 26201	Size			
SURFACE OWNER Edward & Hazel Kinnard	20-16			
ADDRESS Apple Grove, WV 25502	Cord.	75.	751	
MINERAL RIGHTS OWNER Same as Surface	13-10" 9 5/8	35' 756.05'	35' 756.05'	295 cf
ADDRESS		730.03	730:03	233 CI
OIL AND GAS INSPECIOR FOR THIS WORK Jerry Route #1, Box 101-A	8 5/8	1965.70'	682.15'	59 cf
Tapbaloh ADDRESS Ripley, WV 25271	7 5 1/2	1903.70	002.13	35 CI
PERMIT ISSUED <u>September 26, 1983</u>		7164 701	3164.30'	152 cf
DRILLING COMMENCED 10/22/83	4 1/2 3	3104.30	3104.30	128 ct sc
DRILLING COMPLETED 10/29/83	2			job c 4½"
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 3231	feet
Depth of completed well 3231 feet F				
Water strata depth: Fresh 40, 602 feet;				
Coal seam depths: none				area? no
OPEN FLOW DATA				
Producing formation Devonian Shale	Pav	, zone dep	th 323	1 feet
Gas: Initial open flow show Mcf/d				
Final open flow 70 Mcf/d		_		
Time of open flow between initi				
Static rock pressure 550 psig(surface				
(If applicable due to multiple completion-				٠.
Second producing formation		y zone dep	th	feet
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d				
Time of open flow between initial				
Static rock pressurepsig(surface		•		
				JAN 9 verse side

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

On 11/09/83 Dowell foam fractured the Devonian Shale (2768/3078) with 180 BBL water, 60,000# sand, 9,380 SCF Nitrogen.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh
Fill Sand and Shale Big Lime Big Injun Sand and Shale Coffee Shale	0 10 1212 1334 1634 1864	10 1212 1334 1634 1864 1876	Damp at 40' Water at 602 ½" stream Water at 1204' 3" stream
Berea Top of Devonian Shale to TD	1876 1900	1900 3231 TD	show of gas ミロンムのロ
			AromaRlog el. 100 3
	·		H - 2145.72 300
•	-		100 CAS (CE
· • •			
			•
· · · · · · · · · · · · · · · · · · ·			

(Attach separate sheets as necessary)

Well Operator

By:

Sept. (July Vice President of Prod.

Date: November 14, 1983

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 end, encountered in the drilling of a well."



1) Date: Aug	ust 26	. 19 83
2) Operator's Well No.	1 - 1919	
3) API Well No	47 - 053 -	0308

County

Permit

State

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

APPLICATION FOR A WELL WORK PERMIT

4) WELL T	YPE: A C		/ Ga	-	20	/ Underground st	orage	/ Deep	_/ ShallowX_/)
5) LOCATI	•	evation:	602.			_	Sixteenmile		/ Shanow/)
) LOCATI		strict: Clendenin county: Mason				· · · · · · · · · · · · · · · · · · ·	Apple Grove		
/3.3/8					DESIGNATED		C. Vanzant, Jr.		
Addre	ess	P. 0	. Draw	<u>er 4</u>	Ó	111 Care (2)	Address		Drawer 40
•		Buck	hannon	, WV	2620	<u> </u>	The state of the s	Buckha	nnon, WV 26201
8) OIL & C	AS INSPEC			FIED		11/1/2 9) DRILLING CO	NTRACTOR:	•
Name _	Kennetl		<u>her 7</u>	<u> 36-4</u>	885	``\$\geta_g	Name Uni	on Drilling,	Inc.
Addre		D #1			$\rightarrow \sim$	Cit	Address J	P. O. Drawe	
	<u></u>	rbours	ville,	<u>WV</u>	2550z	deeper D/V		Buckhannon,	WV 26201
10) PROPOS	SED WELL	WORK:	Drill	X	_/ Drill	deeper 0/2/	_/ Redrill	/ Stimulate	<u>X</u> /
			Plug of	f old	formatio	n Perforat	e new formation_	/	
			Other p	hysical	change i	n well (specify)/	VA.		
11) GEOLO						an Shale			
12) Estir	nated depth	of comple	ted well,	3		feet			
,	roximate tra	•	• •		?	feet; salt,_	?	feet.	
14) App	roximate coa	ıl seam der	oths:		?	Is coal	being mined in the	area? Yes	/ No/
15) CASING	AND TUB	ING PRO	GRAM						
CASING OR TUBING TYPE		SPECIFICATION Weight		S		FOOTAGE IN	TERVALS	CEMENT FILL-UP OR SACKS	PACKERS
	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)	
Conductor	9 5/8	ļ	36#	X		300	300	to surface	Kinds
Fresh water		ļ	ļ						
Coal		ļ	1	ļ	ļ				Sizes
Intermediate	7	ļ	20#	X		2250	2250	400 sks.	
Production	4 1/2	-	10.5#	X	ļ		3500	350 sks.	Depths set
Tubing		-	1						
Liners			 	<u> </u>	 		,		Perforations:
			 		 				Top Bottom
	 	<u> </u>							
		L		!	·			<u> </u>	IL .
	+		:						
	*					OFFICE USE O	NLY		
			-			DRILLING PER			
	47	'-053-C	1308 ·		-			0 .	1 06 00
Permit number	·		,500						ember 26, 19 83
This		-11						Dat	
inis permit co nirements sul	vering the w	en operate	or and wei contained	i iocati herein	on snowr and on th	n below is evidence of the reverse hereof Notice	permission grante	d to drill in accordan	ce with the pertinent legal re- and Gas Inspector, (Refer to
No. 8) Prior to	the construc	ction of ro	ads, locati	ons and	l pits for	any permitted work.	In addition, the we	ll operator or his con	tractor shall notify the proper
district oil and	gas inspecto	or 24 hour	s before a	tual pe	rmitted v	work has commenced.) .		
		escribed ir	the Notic	e and A	Application	on, piat, and reclamat	ion plan, subject to	any modifications a	nd conditions specified on the
reverse hereof.	Sept	ember	26, 19	85		, ,			
Permit expires						unless well w	ork is commenced	prior to that date and	prosecuted with due diligence.
		T							
Bond:	Agen	ıt:	Plati /	Casii		Fee			
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L							· · · · · · · · · · · · · · · · · · ·	1///	1
							Admir	nistrator, Office of O	oil and Gas
NOTE: Keep	one copy of	this perm	it posted a	at the d	rilling lo	cation.	7 141111		040
									File