

IV-35 (Rev 8-81)

WELL TYPE: Oil



DIMISION OF OIL & GAS DEPARTMENT OF ENERSY

štate of Mest Airginia

Department of Mines Oil und Cas Bivision

Date	Janı	ıary	5,	1987		
Opera	itor's	5				
Well	No		2 -	2218	3	
Farm	Edna	MC	Clai	n #2		
API N	ю. 47	_	097	***	2777	

WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas xx/ Liquid Injection (If "Gas," Production / Undergro	n/Wast und Storag	ce Disposa ge/ Dee	l/ p_XX_/ Sha	llow/)
LOCATION: Elevation: 1640' Watershed W	hites Camp	Fork		
District: Banks County Upsh			- Walkers	ville
		_2		
COMPANY Union Drilling, Inc.				
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Casing	Used in	Left	Cement
DESIGNATED AGENT Joseph C. Pettey	Tubing	Drilling	in Well	fill up Cu. ft.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201	Size			
SURFACE OWNER James G. McClain, Agent	20-16 Cond.	ten out of the control of the contro	, Moreover Colonia	
ADDRESS 7171 Akron Ave., Coral Fulton, OH 4461	4 13-10"	40.00	pulled	
MINERAL RIGHTS OWNER same as above	9 5/8	40.00	parted	
ADDRESS	8 5/8	1314.55'	1314.55'	389 cf
OIL AND GAS INSPECTOR FOR THIS WORK	7	13311133	1311133	303 01
Phil Tracy ADDRESS P.O. BOx 2536, Elkins, WV	1 5 1/2			
PERMIT ISSUED 5/5/86	4 1/2		4323.00	792 cf
DRILLING COMMENCED 7/18/86	3		4323.00	
DRILLING COMPLETED 8/10/86	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used		-	
ON	useu.			:
GEOLOGICAL TARGET FORMATION Oriskany		Dep	th 770	00. feet
Depth of completed well 7716 feet				1000
Water strata depth: Fresh 35', 410'feet;	<u> </u>		- 10015	
Coal seam depths: none	***************************************		ed in the	area? no
OPEN FLOW DATA				
Producing formation Benson	Pay	zone den	th 418:	² feet
Gas: Initial open flow 94 Mcf/d	Oil: Ini	tial open	flow	
Final open flow 1501 Mcf/d	Fir	al open f]aw	Bb1/d
Time of open flow between init				
Static rock pressure 1100# psig(surfac		· -		
(If applicable due to multiple completion				
Second producing formation		zone den	th	foot
Gas: Initial open flow Mcf/d	Oil: Ini	tial open	<u>-</u>	reet
Final open flow Mcf/d				
Time of open flow between init				
Static rock pressurepsig(surface				
pory (surface	uoutale			1011
		(Contin	tie on re	verse side

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

Halliburton did plug back to 4230' 12/11/86

Halliburton - 1 stage Foam Frac - 12/19/86

4177/82 - Benson - 85,000# sand, 333 bbls water and 770,000 scf nitrogen

1st Frac Job was done on 8/18/86 - perforated @

7122/37 - Marcellus Shale - 128 bbl water, 97,000# sand and 630,000 scf nitrogen 7143/53

WELL LOG

	W.	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	
			and salt water, coal, oil and ga
Dirt	0	20 1428	1/2" stream fresh water @35'
Sand & Shale	20	1472	1" stream fresh water @410'
Blue Monday	1428	8	Damp @2100'
Big Lime	1498	1605	
Big Injun	1605	1710	
Squaw	1719	1736	and the second s
Gordon	1903	1932	SENSE BROKEIN
4th Sand	1966	1979	N RUSSAVIR III
5th Sand	2050	2092	
Bayard	2187	2221	JAN 06 1987
Elizabeth	2320	2330	
Warren	2386	2456	DIVISION OF OIL,& GAS
Bradford	3463	3500	DEPARTMENT OF ENERGY
· lst Riley	3869	3882	DELAUTATEM OF FINE VOT
2nd Riley	3934	3970	
Benson	4172	4188	
Tully Limestone	6988	70.08	
Marcellus Shale	7085	7169	
Onondaga	7169	7177	·
Huntersville Chert	7177	7387	
		7716\ TI	Gas Check @TD 5/10ths thru 2" w/v
Propher Brown			=94 mg
- -		Program	
No. of the Control of			
			•
	Notice and the second s		·
	No.		
		1000	•
	000000		

(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

By:

Date: Joseph C Vice President of Production

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:	Ap:	ril 10	, 19.	86
2)	Operator's Well No.		2218		
3)	API Well No.	47	097	-2777	,
٠,		State	Coun	lv	Permit

STATE OF WEST VIRGINIA

DIVI	SION OF	FOIL &	GASher	ARTM	FNT (OF ENERGY, OI	I AND GAS DIV	ISION	
DEPA	RTMEN	T OF EN	ERGY	AI	PLICA	TION FOR A WEI	LL WORK PERMI	I	
4) WELLTY	PE: A O	none e	/ Ga		X/				
		f "Gas", I							\angle Shallow \underline{XX} /)
5) LOCATIO	N: Ele	vation:	<u> 1640 </u>	26.76	.ou,		<u>Whites Ca</u>		7.1. 2.3.
		trict: <u>Ba</u>				County: <u>U</u>			Walkersville
6) WELL OP							•	DAGENT Joseph	
Address						,	Address	Post Office	
		<u>khanno</u>	•		201			Buckhannon,	WV 26201
8) OIL & GA	****			FIED				CONTRACTOR:	in a
Name	Doo	llip T		257	<u> </u>	······································		on Drilling, I	
Address		t Offic				11.2 107 20	Address	Post Office	
	ASUC	KUKUUU				<u>lkins</u> , WV 20		Buckhannon,	
10) PROPOSE	D WELL	WORK:	Drill_X		_/ Dri	-		/ Junuate	XX/
			•			on/ Perfo			
						in well (specify)			
II) GEOLOGI									**************************************
12) Estima	ited depth o	of complete	ed well,	4,	000	fee			
13) Appro	ximate trat	a depths:	Fresh, _	^	<u> </u>	<u> </u>	t,		3737
						ls c	oal being mined in th	ne area? Yes	/ No_XX/
15) CASING A	AND TUBI	NG PROC	GRAM						1.
CASING OR TUBING TYPE		SPEC	IFICATIONS Weight	5		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS
202110 2210	Size	Grade	per ft.	New	Used	For drilling	Lest in well	(Cubic feet)	
Conductor	11-3/	1	32	X	_X_	30'	30'		Kinds
Fresh water			ļ						
Coal	ļ					-		_	Sizes
Intermediate	8-5/8		23	X	X_	1000'	1000'	to_surface_t	er kule 15,08
Production	4-1/2	J-55	10^{1}_{2}	X	_X	4000'	4000'	as required	Depths set
Tubing					ļ		K		DR AS REQUIRED
Linc. s						-		By CULE 15	(e) ferations:
		ļ		<u> </u>				_	Top Bottom
			<u> </u>						
			<u> </u>	<u> </u>	<u> </u>	<u>U</u>			
						OFFICE USE			
						DRILLING P	ERMIT		

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof Notification must be given to the District Oil 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 contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Bond:	Agent:	Plat:	Casing	Fee 2218	WPCP	s&e MU	Other
		,	, , ,		, 0	110	0 (

NOTE: Keep one copy of this permit posted at the drilling location.

47-097-2777

Permit number.

Director, Division of Oil and Fa

Mav

Date

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

File

FORM OG-8

March 3, 1991

STATE OF WEST VIRGINIA DEPARTMENT OF MINES



OIL AND GAS WELLS DIVISION

Partial AFFIDAVIT OF PLUGGING AND FILLING WELLARTMENT OF ENERGY

DIVISION OF OIL,& GAS

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, ONE COPY MAILED TO THE DEPARTMENT, ONE COPY TO BE RETAINED BY THE WELL OPERATOR AND THE THIRD COPY (AND EXTRA COPIES IF REQUIRED) SHOULD BE MAILED TO EACH COAL OPERATOR AT THEIR RESPECTIVE James D. LaRosa Union Drilling, Inc. COAL OPERATOR OR OWNER NAME OF WELL OPERATOR 420 Buckhannon Pike, WV 26301 P.O. Drawer 40, Buckhannon, WV 26201 ADDRESS COMPLETE ADDRESS Edna McClain #2 COAL OPERATOR OR OWNER WELL AND LOCATION Banks District ADDRESS James G. McClain, Agent Upshur LEASE OR PROPERTY OWNER 7171 Akron Ave., Coral Fulton, OH 44614 Well No. 2 - 2218 Phil Tracy STATE INSPECTOR SUPERVISING PLUGGING...... AFFIDAVIT STATE OF WEST VIRGINIA. County of____ Upshur Jim Rose Joseph C. Pettey and being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Union Drilling, Inc. well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 11th day of December ., and that the well was plugged and filled in the following manner: SAND OR ZONE RECORD FILLING MATERIAL PLUGS USED CASING FORMATION SIZE & KIND CSG PULLED CSG LEFT IN 4130 - surface 6% Gel 2956,49 4323.00 4 1/2" 4230 - 4130 100' Cement plug 1,314.55 8 5/8" 92' Cement plug 4322- 4230 5957 - 4322 6% Gel <u>6107-5957</u> 150' Cement plug 6872-6107 6% Gel 7022-6872 150' Cement plug COAL SEAMS DESCRIPTION OF MONUMENT (NAME) Partial Plugged - no monument (NAME) to 4230 (NAME) (NAME) and that the work of plugging and filling said well was completed on the lith day of December And further deponents saith not. Sworn to and subscribed before me this January 5th day of 19_ My commission expires:

Notary Public.

Permit No. 47-097-2777 - PP