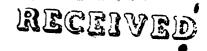


TRASCO.





JUN 25 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

IV-35 (Rev 8-81)

State of Mest Nirginia Department of Mines Gil und Gas Division

Date	May 14, 1982					
Operator's						
Well N	0. 1 - 1734					
Farm_	Marie Jeffers #1					
API No	•47 - 053 - 0265					

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 800.59' Watershed R	ocky Fork			llow/)
District: Hannan County Maso		Quadrangl	e_Glenwoo	d
YMDANV INION DRILLING THE				
OMPANY UNION DRILLING, INC. P. O. Drawer 40 DDRESS Buckhannon, WV 26201		·	T	0
	Casing	Used in	Left	Cement fill up
P. O. Drawer 40 DDRESS Buckhannon, WV 26201	Tubing	Drilling	in Well	
	Size			
SURFACE OWNER Marie Jeffers (widow)	20-16 Cond.	32.80	32.80'	
DDRESS Ashton, WV 25503	11 3/4' 13-10"	255.90'	255.90'	183 cf
INERAL RIGHTS OWNER Marie Jeffers (widow)	9 5/8			
DDRESS Ashton, WV 25503	8 5/8	2281.75	2281.75'	317 cf
OIL AND GAS INSPECTOR FOR THIS WORK Kenneth	7	3201.70	22027//0	01/ 01
Butcher ADDRESS Barboursville, WV 25504	5 1/2			
PERMIT ISSUED October 13, 1981		7007 70	7007 701	542 - C
PRILLING COMMENCED 12/10/81	4 1/2	3887.30	3887.30'	542 CT
PRILLING COMPLETED 12/22/81	3			
F APPLICABLE: PLUGGING OF DRY HOLE ON	2			
CONTINUOUS PROGRESSION FROM DRILLING OR DEWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
EOLOGICAL TARGET FORMATION Tuscarora		Dept	-h 5700	fee
Depth of completed well 5007 feet				
Water strata depth: Fresh 734', 835' feet;	Salt	feet		
Coal seam depths: 632/35			ed in the	area? n
PEN FLOW DATA	-			
	o Deve	mana dani	- 7 . 5 . .	e
Producing formation Brown Shale, Marcellu				
Gas: Initial open flow show Mcf/d				
Final open flow 133 Mcf/d				
Time of open flow between init		_		
Static rock pressure 675# psig(surfac		ent) after	24 hour	s shut i
(If applicable due to multiple completion				
Cocond anadronic Commetitus	Pay	zone dept	:h	fee
Second producing formation	Oil. Thi	tial open	flow	Bb1/
Gas: Initial open flow Mcf/d				
Gas: Initial open flow Mcf/d Final open flow Mcf/d			LOW	Bbl/
Gas: Initial open flow Mcf/d	Oil: Fin	al open fl	hor	re

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

On 3/24 perforated at 3589/3659. On 3/25 Halliburton fractured with 7½% acid 80 gallon, 500 Gallon 7½% methanol, 1500# KCL, 50 gallon 15-n, 8 gallon Cla Sta, 50,000# 20/40 sand, 250,000 SCF Nitrogen. On 3/29/82 perforated 3062/3100' and 3238/3327'. On 3/35/82 set retrievable plug@ 3350' and on 3/31/82 fractured with 500 gallon Reg. acid, 1 gallon HAI-50, 35 Gallon HC-Z, 15 Gallon 15-N, 12 Gallon Cla Sta-B, 54,500# 20/40 sand, 453,000 SCF nitrogen.

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga
Clay	0	6	
Sand	6	8	
Shale	8	20	
Sand and Shale	20	632	
Coa1	632	635	734' hole damp
Sand and Shale	635	1415	
Sand, white	1415	1500	
Dark Shale	1500	1516	
Clay	1516	1543	
Sand, white	1543	1545	
Sand and Shale	1545	2140	·
Berea Sand	2140	2188	
Sand and Shale	2188	3056	EHAS - GP LA
Brown Shale	3056	3334	We have the second of the seco
Marcellus	3334	3670	
Onondaga	3670	3850	
Helderberg	3850	4485	
Sand and Shale	4485	4828	
Clinton	4828	4855	
Sand and Shale	4855	TD 5007	
Sala ala Siaio	4033	10 3007	
			2,10
			34,88
·			1/2
	İ		3670
			\ `'
		1	

(Attach separate sheets as necessary)

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."

FORM IV-2 (Obverse) (08-78)

Date: Octob	er !	9	,	19_	81	
Operator's Well No.	1	_	1734	-	U	_
API Well No.	47	-	053	-	0265	

State

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

Marie Jeffers #1 (1734)

Permit

County

OIL AND GAS WELL PERMIT

	OIL AND	GAS WELL PERMIT	
WELL TYPE:	Oil/ Gas/		
	(If "Gas", Production/	Underground storage	/ Deep <u>xx</u> / Shallow/)
LOCATION:	Elevation: 800.59'	•	
	District: Hannan	County: Mason	Quadrangle: <u>G1enwood</u>
WELL OPERAT	OR UNION DRILLING, INC.	DESIGNATED AG	ENT <u>UNION DRILLING</u> , INC.
Address	P. O. Drawer 40	Address	P. O. Drawer 40
	Buckhannon, WV 262601		Buckhannon, WV 26201
OIL & GAS ROYALTY OW	NER <u>Marie Jeffers (widow)</u>	COAL OPERATOR	R
Address	Ashton, WV 25503		
Acreage	71	COAL OWNER(S)	WITH DECLARATION ON RECORD:
SURFACE OWN	NER	Name	OIWIDSON
Address		Address	WEGG 155
			OCT 13 1981
Acreage		Name	OIL AND GAS DIVISION WY DEPARTMENT OF MINES
	IF MADE) TO:	Address	WV DEPARTMENT
Address	Not Determined at this time	e	
		COAL LESSEE W	ITH DECLARATION ON RECORD:
OIL & GAS IN	SPECTOR TO BE NOTIFIED	Name	
Name Ken	neth Butcher (736-4885)	Address	
Address	RFD #1		
	Barboursville, WV 25504	Cyclops Lease	#C-2-400
The undersion	ned well operator is entitled to operate for o	, -	tion under a deed/ leaseXX
_			operator from Marie Jeffers (wide
	Corporation and assigned t		operator from
IF said deed, le	ease, or other contract has been recorde	ed:)	V
			ssion of <u>Mason</u> County, West
West, in <u>0/0</u>	Book 45 at page	243 . A permit is requested	as follows:
PROPOSED V	WORK: Drill XX / Drill deeper	/ Redrill/ Fracture	e or stimulate XX /
	Plug off old formation	Perforate new formation	/
	Other physical change in well (s	pecify)	
	—planned as shown on the work	k order on the reverse side hereo	of.
The above nan	ned coal operator, coal owner(s), and coal l	essee are hereby notified that any c	objection they wish to make or are required to
make by Code \$	22-4-3 must be filed with the Department	t of Mines within fifteen (15) days	s after the receipt of this Application by the
Department.			

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY
то:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMIS-
SION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
·
TELEPHONE: (304) 348-3092

UNION DRILLING, INC.

Well Operator

By Earn H. Buch

Its Dean H. Bucher, Geologist

FORM IV-2 (Reverse) (08-78)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CO	ONTRAC	TOR (IF	KNOW	N) _	UNI	ON DRILLIN	G, INC.		
				Ad	ldress	P. O. Dr	awer 40		
						Buckhann	on, WV 26	201	
GEOLOGICAI	TARGE	T FORM	MATION	,	Tu	scarora	•		
	•							/ Cab	le tools /
						? feet:			
									/ No <u>xx</u> /
CASING AND						10 0001	ooms mmod		
CASING OR TUBING TYPE		CIFICAT Grade	IONS Weight per ft	New	Used	FOOTAGE I	NTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
Conductor	11 3/	4''		x		300'	300'	to surface	Kinds
Fresh Water									
Coal	4.5								Sizes
Intermediate	8 5/8	,	23#	x		2000'	2000'	500 sks. or	
Production	4 1/2	1	10½#	x			5600'	as needed 300 sks. or	Depths set
Tubing	7 1 2		10.2"				3000	as required	
Liners									Perforations:
									Top Bottom
				1					
previ Code As be pa THIS PERM	Separate Fort of the	on the sa from the form Iv-2 work for v	same well he owner shall not which a p	of ar be recermit	fee required for its soug	uired by Code § or well or dwel or fracturing or the and is noted	22-4-12a, and (ling within 200 stimulating a	22-4-12b and Regulative) if applicable, the confect of the proposed well where fracturing Form IV-2 filed in confect.	onsent required by d well. or stimulating is to
	. 4. 4.00	F, 1114 10	ocanon n	Hara	്യ തെ	oround			
operations	ling	commen	. This pe ced by_	rmit s	1 11				
Deputy I	Director -	W 8 9	as Divisi	on					
		••••	•••••	• • • • •	•••••	• • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	
The decl	following aration u	waiver n nder Coo	nust be co le 22-4	mplet -20, it	ed by t	he coal operator ermit is to be	r and by any coa issued within	al owner or coal lessee fifteen (15) days of r	e who has recorded a receipt thereof.
						WAI	VER		
The undersign	location. led has n	it a mine o objecti	map exist on to the	sts wh work	ich cov	ers the area of	the well location	n, the well location han, provided, the well	well location has examined this as been added to the mine map. operator has complied with all
Date:			, 19		_		Ву		

Its_