

## State of West Virginia Division of Environmental Protection Section of Oil and Gas

09/28/95 API# 47-095-1641S

APR 1 0 1996 Permitting

Office of Oil & G	8

Well Operator's Report of Well Work

Farm name:	HAYES, RA	LPH & BETTY	Ol	perator Wel	l No.: F.R.	BALL M-6		
LOCATION:	Elevation:	846.33	Qı	ıadrangle:	CENTER	POINT	<b>.</b>	. 344
	District: Latitude: Longitude:	MCELROY 2,300 Feet s 2,250 Feet w	outh of 3	ounty: TY 9 Deg 27 0 Deg 40	LER Min 30 Min 0	Sec.	* 04 / 34	
Company:	P.O. BOX 55	PRODUCTS COM 19 V 26105-5519	PANY	Casing & Tubing		Left in Well	Cement Fill Up Cu. Ft.	
Agent:	PHILIP S. O	NDRUSEK		Size				
Inspector: Permit Issued: Well work Com	MIKE UNDE	ERWOOD 9/28/95 9/28/95						
Well work Com Verbal plugging permission gran	pleted:	10/27/95		8-5/8	214'	214'	100 SKS	
Rotary X  Total Depth (fee Fresh water dep	_Cable et)	Rig 2,846 NA		4 1/2"	2,823'	2,823'	170 SKS	
Salt water depth		NA						
Is coal being mi	ned in area (Y/	N) N						
Coal Depths (ft)	):	NA						
OPEN FLOW I	DATA	* Water Injection	Well					
Produc	ing formation	·	Gordon		Pay zone d	enth (ft)	2694-2753	
Gas:	Initial open flor Final open flor Time of ope	ow *  ow *  n flow between in	MCF/ MCF/ mitial and fi	d Fin	tial open flow al open flow	* Hou	* Bbl/d * Bbl/d	
Static r	ock pressure	*	psig	(surface pr	essure)	after	* Hours	S
Second Gas:	producing for Initial open flo Final open flo Time of ope	ow	MCF/	'd Fin	Pay zone dial open flow all open flow	epth (ft)  Hou	Bbl/d Bbl/d	
Static r	ock pressure	<del></del>	psig	(surface pr	essure)	after	Hours	S
INTERVALS, I LOG WHICH I	RACTURING S A SYSTEM	FORM, PUT THE I GOR STIMULATI ATIC DETAILED NTEREDBY THE	NG, PHYSI GEOLOGIO	CAL CHAI CAL RECO	NGE, ETC.	2) THE WE	T.T.	
		For: İ	PENNZOIL	PRØDUCT	S/COMPAN	IY <sub>C</sub>		
	•		By: Date:	from 4/8/90	4 94	<u> </u>		
		T (1)		<i>t</i>	1 1	• 1	ak a skir di sa ji majak	

**Treatment:** 

47 48 E

Perforated Gordon @ 2718 - 2724 (24 Holes) & 2734 -2738 (16 Holes) Treated via 4 1/2" with 300 gal. 15% HCl, 266 BBL gelled water & 15,300# of 20/40 Sand.

or later for the subsection of the relativity

Control Tractors

heungreis, Ab<mark>dana</mark> 16,87 Trebahab**a kastu kas**a 16,87

## Well Log:

Sand & Shale	0	-	1060'
Sand	1060'		1105'
Sand & Shale	1105'	-	1865'
Sand	1865'	-	1921'
Shale	1921'	-	1972'
Sand	1972'	-	2145'
Sand & Shale	2145'	-	2694'
Gordon	2694'	-	2753'
T.D.	2846'		

FQRM WW <sub>5</sub> -3(B) (Obverse)	FILE COPY
10/91	

RE( Office UIC	CEIVE of Oil & Section	D THE	TE TE SE
AUG	09	300	and the state of t

1) Date:		Aug	zust .	<u> </u>	, 1	1995
2) Operator's Well No.	F.	R.	BALL	NO.	M-6	
3) SIC Code						
4 API Well NO	<b>)</b> .	47		095		1641-LI
		- 5	ate	Cour	-	Desmis

5. UIC Permit No.

WV Division of Environmental Protection Structure Consideration For the DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

	E: Liquid : Elevati	ion: 84	46		15)	watersh	ed: <u>Indian</u>	Creek		28
	Distric	·	Elroy		<u> </u>	County:		Quadrangle:	Centerpoint	
8) WELL OPE	RATOR P	ennzo	il Prod	lucts	Co.	<u>3745</u> 0	9) DESIGNAT	TED AGENT Phil	<u>ip S. Ondrusek</u>	
Add			Box 551			4640	Ad		. Box 5519	
		<u>lenna</u>	<u>, WV 2</u>	26105	<u> </u>			Vien	na, WV 26105	
10) OIL & GAS				ED				· · · · · · · · · · · · · · · · · · ·		
Name	Mike U						11) DRILLING	CONTRACTOR:		
Address _			Box 135				Name			
_	Sale	em, WV	26426	)			Address _			
				X			7	X		
12) PROPOSED	WELL W	ORK:	Drill		/ Drill			/ StimulateX		
						on/ Perforate nev	v formation/	Convert_/		
			Other ph	ysical ( Go	change 11 ordon	n well (specify)		Depth 2706 feet	(top) to 2725 feet (bo	
13) GEOLOGIC	CALTARO	JEI FOR	MATION,			isting well) 2800		Deptnreet	(top) tofeet(bo	ttom)
	-						NT / A			
15) Approximat			/ F A I	- +0		reet; sait,	N/A feet.			
16) Approximat		-		/ No	Χ,					
17) Is coal being	-			1 1	260	_psig. SourceE	stimated			
18) Virgin reserv					500	_psig. Source				
19) Estimated re		-				Volume per hour:	psig (BHFP) 25	Bottom hole pressi	2332	
						E INJECTED, INCLU	IDING ADDITIV		r, produced wa	ater
bacteric	cedes a	and ot	her ch	emica	als a	s needed to m	aintain wa	ter quality an		
22) FILTERS (I	E ANVI	Cartr	idge f	ilte	rs an	d/or coal bed	filters.		recovery	•
	•									
23) Si Lenier	11101101	ok chii	iobic i k	0.20		TO CHIER CORNOR				
24) CASING A	ND TUBI	NG PRO	GRAM							
CASING OR	if	SPEC	IFICATIONS			FOOTAGE IN	TERVALS	CEMENT FILLAUP	PACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
	3	<u> </u>	, , , , , ,	1				(0.00.1	Kinds	
Conductor	8-5/8	L.S.	20#	X		200'	2001	Cement to		
Conductor Fresh water	#							surface	Sizes	<del></del>
Fresh water	11									
Fresh water Coal	<b> </b>	i		+	1	2800'	2800	Cement over	Depths set	
Fresh water	4-1/2	J-55	10.5	X	1 1	2000				
Fresh water  Coal  Intermediate	4-1/2	J-55	10.5	X		2800		salt sand		
Fresh water  Coal  Intermediate  Production	4-1/2	J-55	10.5	X		2000		salt sand	Perforations:	
Fresh water  Coal  Intermediate  Production  Tubing	4-1/2	J-55	10.5	X		2000		salt sand		n
Fresh water  Coal  Intermediate  Production  Tubing	4-1/2	J-55	10.5	X		2000		salt sand	Perforations:	n
Fresh water Coal Intermediate Production Tubing	4-1/2	J-55	10.5	X		2000		salt sand	Perforations:	n
Fresh water  Coal  Intermediate  Production  Tubing					quired fro		R. Ball		Perforations:	n

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

File

FORM WW-3(A) Obverse

RECEIVED
Office of Oil & Gas
UIC Section

AUG 0 9 1995

WV Division of Environmentel Pretection

1)	Date	August	7,	1995
	_			

Operator's
2) Well No. F. R. BALL #M-6

3) SIC Code 4) API Well No. 47 - 095

State County Permit

WEST VIRGINIA

	NOTICE OF LIQUID INSECTION OR WA	ASTE DISPOSAL WELL WORK PERMIT APPLICATION  for the
•	DIVISION OF OIL A	ND GAS, DEPARTMENT OF ENERGY
	FACE OWNER(S) OF RECORD TO BE SERVED  Name Ralph & Betty Hayes	7 (i) COAL OPERATOR N/A Address
	Address HC 62, Box 43-A  Jacksonburg, WV 26377	7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
(ii)	Name Jack Glover Address 320 North First Street	Address
(:::)	Paden City, WV 26159	7 (iii) COAL LESSEE WITH DECLARATION ON RECORD:
(111)	NameAddress	Address
TO THE	PERSON(S) NAMED ABOVE: You should ha	ave received this Form and the following documents:
(2) (3) The	The plat (surveyor's map) showing to The Construction and Reclamation Pl	lan on Form WW-9 (unless the well work is only e plan for erosion and sediment control and for s road.
WHICH A	ARE SUMMARIZED IN THE "INSTRUCTIONS" (	THAT YOU HAVE RIGHTS REGARDING THE APPLICATION ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION , YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.
propose Well Wo of Ener depicte Constru ered by	es to file or has filed this Notice are book Permit with the Director of the Director with respect to a well at the locked on attached Form WW-6. Copies of the country of the contraction and Reclamation Plan have been	est Virginia Code, the undersigned well operator and Application and accompanying documents for a ivision of Oil and Gas, West Virginia Department cation described on the attached Application and this Notice, the Application, the plat, and the mailed by registered or certified mail or delivor by publication in certain circumstances) on or e Director.
	rson signing this document shall make ing certification:	the
	I certify under penalty of law that I	
ir at	ersonally examined and am familiar with a formation submitted in this document tachments and that, based on my inqui	and all iry of By fundamental Timothy P. Rou
	nose individuals immediately responsib taining the information, I believe th	
ir ar	nformation is true, accurate, and comp m aware that there are significant per ubmitting false information, including	plete. I nalties for Telephone (304) 422-6565

possibility of fine and imprisonment.