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

Well Operator's Report of Well Work

Farm	name:
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Office of Oil & Gas Lemasters, David

Operator Well No.: I. Baker #5

LOCATION:

Elevation:

1,304.00'

Quadrangle: **Center Point**

District:

Latitude:

McElroy 9,700'

County: Tyler

Longitude:

9,800'

Feet south of 39 Deg 27 Min

Feet west of

30 Sec. 80 Deg 40 Min 0 Sec.

Company:

PENNZOIL PRODUCTS COMPANY

P.O. BOX 5519

VIENNA, WV 26105-5519

Agent:

PHILIP S. ONDRUSEK

Inspector:

Mike Underwood

Permit Issued:

8.22/96

Well work Commenced: Well work Completed:

9/14/96 10/25/96

Verbal plugging

permission granted on:

Rotary Cable

Rig

Total Depth (feet) Fresh water depths (ft) 3360' NA

NA

Salt water depths (ft)

Is coal being mined in area (Y/N) Coal Depths (ft):

626-63

205 40	IVIIII U	SCC.				
Casing &	Used in	Left	Cement Fill Up			
Tubing	Drilling	in Well	Cu. Ft.			
Size		54				
8 5/8"	570'	570'	290 Sacks			
4 1/2"	3235.7'	3235.7'	275 Sacks			
			-			

OPEN FLOW DATA

*Well was drilled as a waterflood producer well. No open-flow data was obtained

Producing formation		Jordon	Pay zone	e depth (ft)	•	3158-31	188
Gas: Initial open fl	ow *	MCF/d	Oil: Initial open fl	.ow ¯	*	В	bl/d
Final open flo	•w *	MCF/d	Final open flo	w	*	B	bl/d
	n flow between in	itial and final	tests	*	Hours		
Static rock pressure	*	psig (su	rface pressure)	after	•	н	ours
Second producing for	mation		Pay zone	e depth (ft)	ı		
Gas: Initial open fl	ow	MCF/d	Oil: Initial open fl	low	-	B	bl/d
Final open flo		MCF/d	Final open flo				bl/d
Time of ope	n flow between in	itial and final	tests		Hours		

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL PRO

By:

Date:

The same of the sa

Perforations: 3176 - 3180 - 4 holes/ft. (16 holes)

Treated via 4.5 Casing with 300 gals. 15% HCl, 216 bbls.

100 r / c. i

THE PROPERTY OF THE PROPERTY O

Borate cross-linked gelled water and 12,500 lbs. of 20/40 sand.

TD = 3360 (1) (1)

Shale	 , *	illi es	0	PG.	218
Sand	V. (2-1)	2	18	:	264
Shale		. 2	64	-	626
Pittsburg Coal	the product of	6	26		631
Shale		7 - 5-16	31	\$ - 1	816
Sand		_			842
Sand & Shale		្ន 8	42	-	2364
Big Lime			64	-	2438
Big Injun		24	38	•	2590
Shale		25	90	-	3158
Gordon		31	58	-	3188
Shale		31	88	-	3360

FORM WW-3(B) Obverse 10/91	Semi		COPY	Of J	RECE fice of C UIC S UL 2	Dil & Gas	1) Date 2) Well No. 3) SIC Code 4) API Well N	July 16, 1 Isaac Bak lo. 47 - 095	
			!		WV Div	ision of	5) UIC Code	State Count	
				Envi	ronmen	al Protection	0, 010 0040		145
NOTICE (of Liqu	ID INJE			ASTE	WEST VIRGI DISPOSAL V or the		RMIT APPLICATI	ON
]	DIVISIO	N OF E	NVIRON	MEN			OFFICE OF O		ued 08/22/9
WELL TYPI LOCATION			d Injection			Gas Injectio		Waste Dispose	pues 08/22/6
LOCATION	: District	Elevation	1304 McElroy		(S)	Wa Sounty Tyle		an Creek Quadrangle	$\overline{oldsymbol{ u}}$ Centerpoint
WELL OPE	RATOR:	Pennzoil P.O. Box	Products	Compa		10	ESIGNATED AGEN		usek
		Vienna,	WV 26105					Vienna, WV 2	
OIL & GAS	Name	Mike Un Route 2,	derwood Box 135	D:		11)	DRILLING CONTR. Na Addr	me	
		Salem, W	VV 26426						
12) PROPOSED	WELL WO	ORK:		g Off O	X ld Forn		Perforate New Fo		e X Convert
13) Geological ta	arget forms	ition	Other	Physica Gordo		ge in Well (specify \ ^\			
14) Estimated d	•		11 (07 0 04)					Ft. (Top) t 3179	9 Ft. (Bottom)
15) Approximate				Fresh		484	Ft. 33	Ft.	1511 Ft.
16) Approximate	e coal seam	depths:				1116	— Ft.		10.
17) Is coal being	mined in t	he area?				Yes	X No		
18) Virgin reser	voir pressu	re in targ	et formatio	on:		140		Source	Estimated
19) Estimated re	eservoir fra	cture pre	ssure:			350	0 psig		
20) Maximum p	roposed inj	ection ope	rations:		Volu	me per hour	25 bbl.	Bottom Hole Pressure	e 2332 psig.
21) Detailed ind other chemic	entification cals as need	of materi led to mai	ials to be i	njected er quali	, includ	ing additives: improve oil recov	Fresh wate	r, produced water, bacte	
22) Filters (if an			e filters an						
23) Specification	s for catho	dic protec	tion and o	ther co	rrosion	control:			
24) CASING AN CASING OR	ID TUBING		AM: FICATION	1S		FOOTAGE	INTERVALS	CEMENT FILLUP	l PACKERS I
TUBING TYPE	Size	Grade	Weight	New	Used	For Drilling	Left in Well	OR SACKS	Thomas
Conductor									Kinds
Fresh Water Coal	8 5/8"	L.S.	20#	X		554	554	Cement To	
Intermediate		 						Surface	Sizes
Production	4 1/2"	J-55	10.5#	Х		3304	3304	Cement Over	Depths Set
Tubing								Salt Sand	
Liners	<u> </u>				ļ				Perforations
		 		 	-				Top Bottom
		 	 					.	
25) APPLICANT	C ODED A	TING PIC	LUTC	L			<u> </u>	1	

Lease X

Tyler

Other Contract

County Clerk's Office in

Dated

Deed

March 15, 1894

Book 23

of record in the

84

Page

by Deed

FÖRM WW-3(A) Obverse RECEIVED Office of Oil & Gas UIC Section

JUL 22 1996

WV Division of Environmental Protectio Date
 Well No.

3) SIC Code

4) API Well No.

:

July 16, 1996 Isaac Baker No.5

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47 - 095 State County 57-U Permit

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION for the

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

6) SURFACE OWNER(S) OF RECORD TO BE SERVED				6 (iv) ADDITIONAL SURFACE OWNERS				
					Name _			
	(i)	Name	David Lemasters		Address			
		Address	220 Fair Ave.					
		-	Middlebourne, WV 26149	7 (ii)	COAL OW	NER WITH DECLARATION ON RECORD:		
	(ii)	Name	Dorsey Baker Estate		Name	N/A		
		Address	c/o Earle M. Long		Address			
		_	117 Ellis Ave.		_			
	(iii)	Name	Elkins, WV 26241	7(iii)	COAL LES	SEE WITH DECLARATION ON RECORD:		
		Address			Name	N/A		
		-			Address			
		-			_			
(1 (2 (3 Th	The seta The The wh	e Application Application e plat (so e Construction sets e propos	N(S) NAMED ABOVE: You should have ation for a Liquid Injection or Waste I parties involved in the drilling or oth arveyor's map) showing the well locat auction and Reclamation Plan on Form out the plan for erosion and sediment sed for the first injection or waste disp	Disposal Wellner work, and ion on Form www.9 (unle control and posal is	l Work Per d WW-6; an ess the we for reclam	rmit on Form WW-3(B), which d ll work is only to plug a well), nation for the site and access road.		
WI	ICH	ARE SU		ON THE REV	ERSE SID	HTS REGARDING THE APPLICATION E OF THE COPY OF THE APPLICATION RED TO TAKE ANY ACTION AT ALL.		
			Take notice that under Chapter 22B of th	e West Virgin	ia Code, th	e undersigned well operator		

proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

By Land (2)

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565

Pennzoil Products Company

Well Operator

Date

Date

Polication received

Follow-up inspection(s)

Well work started

Total depth reached

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:

Reason: