

9-Sep-96

API#

47 -095- 1659

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

## Well Operator's Report of Well Work

RE	CE	IVED
Office	of Oi	and G
		1998

Farm name:

Baker, Dorsey Estate

Operator Well No.: D. Baker Hr. #11

LOCATION:

Elevation:

1,030.00

Quadrangle:

Center Point

Used in

Drilling

305'

2976.10'

District:

Mc Elroy

County: Tyler

WV Division of Environmental Protection

Cement

Fill Up

Cu. Ft.

170 Sacks

275 Sacks

Latitude:

39 Deg 27 Min

30 Sec.

Longitude:

8,000 Feet south of 9,750 Feet west of

80 Deg 40 Min

Casing

&

**Tubing** 

Size

8-5/8"

4 1/2"

0 Sec.

Left

in Well

305'

2976.10'

Company:

PENNZOIL PRODUCTS COMPANY

P.O. BOX 5519

Mike Underwood

VIENNA, WV 26105-5519

Agent:

PHILIP S. ONDRUSEK

Inspector: Permit Issued:

9/9/96

Well work Commenced:

12/10/96

Well work Completed:

1/2/97

Verbal plugging

permission granted on:

X Rotary

Rig Cable

Total Depth (feet) Fresh water depths (ft) 3020' NA

NA

Salt water depths (ft)

NA Is coal being mined in area (Y/N)

Coal Depths (ft):

**OPEN FLOW DATA** 

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

Producing formation	Gordon	Pay zone depth (ft)	2,898'
Gas: Initial open flo	w * MCF	d Oil: Initial open flow	* Bbl/d
Final open flo	w * MCF		* Bbl/d
Time of oper	flow between initial and f		Hours
Static rock pressure	*psig	(surface pressure) after	Hours
Second producing form	nation	Pay zone depth (ft)	
Gas: Initial open flo		d Oil: Initial open flow	Bbl/d
Final open flow	w MCF		Bbl/d
Time of open	flow between initial and f	nal tests	Hours
Static rock pressure	psig	(surface pressure) after	Hours
NOTE: ON BACK OF THIS FORM, OR STIMULATING, PHYSICAL C	PUT THE FOLLOWING: 1) DET	AILS OF PERFORATED INTERVAL WHICH IS A SYSTEMATIC DETA	S, FRACTURING

N H IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Date:

_					
For:	PENNZOIL	PRODUCT	S COMP	ANY	$\overline{}$
	D		7717	プリン	()
	By:			> $1.1$	V

#### **Treatment:**

Perforated Gordon sand with 16 holes from 2898'-2902' K.B. Fractured with 300 gals 15% HCL and 184 bbls gelled water and 8,600 lbs. 20/40 sand

#### Well Log:

All depth are relative to K.B.

0	514 Sand and Shale
514	570 sand
570	828 Shale
828	844 sand
844	884 Shale
884	916 sand
916	1332 Shale
1332	1430 sand
1430	1620 Shale
1620	1668 sand
1668	1824 Shale
1824	1856 sand
1856	2056 Shale
2056	2158 Big Lime
2158	2316 Big Injun
2316	2886 Shale
2886	2896 Gordon Stray
2896	2904 <sup>-</sup> Gordon
2904	3020 \$hale

 $\mathcal{O}_{\lambda}$ 

FORM WW-3(B) GIE	RECEIVED  OPYOffice of Oil & Gas UIC Section
10/91	AUG 19 1996
	Wi/ Civicion of Environceal. } ∉retection

1) Date		A	ugust 13, 19	996	
2) Well No.		D	orsey Bake	r Hr	. No.11
3) SIC Code					
4) API Well No.	47	-	095	•	1659-L
•	State		County		Permit
E) IIIC C-1-					

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

for the

1	WELL TYPE	<b>}:</b>	T												
1	LOCATION:		radm	d Injection	X		Gas 1	Injection	l.			Wa:	ste Disposa	1	
		District	Elevation	McElroy		-5	ounty	Wat Tyler	ershe	od	Indiar	Creek Quadran	_		
	WELL OPER	RATOR:	Pennzoil	Products	Compa	<b>-</b>	-		·	VATED A	OENM			Centerpoint	
			P.O. Box		Compa	<u></u>		e) DE	wigi.	WIED !	IGENI		lip S. Ondr P.O. Box 55		
			Vienna,	WV 26105									nna, WV 2		
!	OIL & GAS I	NSPECTO	OR TO BE	NOTIFIE	D:			11) D	RILL	ING CO	NTRAC				1
·			Mike Un								Nam				
		Address	Route 2,								Addres	8			1
			Salem, V	VV 26426											
12)	PROPOSED	WELL WO	ORK:	Drill		X	Drill	l Deeper	,		Redril	1	Stimulate	×	-
		•				ld Forn				orate Ne	w Forn	nation		Convert	<del></del>
				Other I	hysica	l Chan	e in Well	(specify)				<del></del>		_	
13)	Geological ta	_			Gordo		<del>+15</del>	Deptl	h	2890		Ft. (Top) t	2905	Ft. (B	ottom)
14)	Estimated de	pth of con	pleted we	ell (or actua	al dept	h of exi	sting well)				303	0	Ft.		
15)	Approximate	water str	ata depths	<b>s</b> :	Fresh		2:	10	Ft.			Salt	•	1237 Ft.	
16)	Approximate	coal seam	depths:				84	12	Ft.				<del></del>		
17)	Is coal being	mined in t	he area?				Yes		•	X	No				
18)	Virgin reserv	oir pressu	re in targ	et formatio	 n:		•	1400			psig.	Source		Estimated	
19)	Estimated re		_					3500			psig.	Doubce		Estanacea	
20)	Maximum pr					Volu	me per ho		25 bl		Porg.	Rottom Ho	lo Programa	2332 psig.	
21)	Detailed inde		-		niactad		•		20 00						
•	other chemic	als as need	led to mai	ntain wate	r quali	ty and	improve oi	l recove	ry.	гтевц	water,	produced v	vater, bacte	ricides and	
22)	Filters (if any	<i>r</i> ):	Cartridge	e filters an	d/or co	al bed f	ilters								
23)	Specifications	s for catho	dic protec	tion and ot	her co	rrosion	control:								
24)	CASING AN	D TUBING			··							······································			
	ING OR	_	•	FICATION	S			TAGE I	NTE	RVALS		CEMEN	T FILLUP	PACKE	RS
	ING TYPE	Size	Grade	Weight	New	Used	For Dr	illing	I	eft in W	'ell	OR S	SACKS		
	luctor h Water	0.5/03	7.0											Kinds	
Coal		8 5/8"	L.S.	20#	X		28	30		280		Cement T	<u>'o</u>		
	mediate			<b></b>					<u> </u>			Surface		Sizes	
	uction	4 1/2"	J-55	10.5#	X		303	30	-	3030		Cement C		D 11 0	
ľubi	ng								<del>                                     </del>	0000		Salt Sand		Depths Set	
ine	rs								<b> </b>			Sar Sand		Perforations	
															tom
	A DDI TO		<u> </u>	<u> </u>											
25)					_			M.V E				· · · · · · · · · · · · · · · · · · ·			
	by Deed		Lease Tyler			her Cor	tract		Date		May 4,	1894	D	of record in	the

 $\label{eq:continuous} \mathbf{r}_{\mathbf{r}} = \mathbf{r}_{\mathbf{r}} + \mathbf{r}_{$ 

### FORM WW-3(A) Obverse

Ci	Jacti	ED & Gas on
AUG	19	1996
no/i Thylronme	Division ental P	n of rotection

1) Date		August 13	, 1996
2) Well No.		Dorsey Ba	ker Hrs. No.11
3) SIC Code			
4) API Well No.	47 -	095	- 1659-61
	State	County	Permit

STATE OF WEST VIRGINIA

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

		DIVISION OF OIL AND GA	as, defari	IMENI	of energi
6)	SURFACE OW	NER(S) OF RECORD TO BE SERVED	6 (iv)	ADDITIO	NAL SURFACE OWNERS
				Name	
	(i) Name	Dorsey Baker Estate		Address	
	Address	c/o Earle M. Long			
		117 Ellis Ave.	7 (ii)	COAL OV	VNER WITH DECLARATION ON RECORD:
	(ii) Name	Elkins, WV 26241		Name	N/A
	Address			Address	
	_			•	
	(iii) Name		7(iii)	COAL LE	SSEE WITH DECLARATION ON RECORD:
	Address		, ,	Name	N/A
				Address	
				11441035	
TO	THE PERSON	(S) NAMED ABOVE: You should have	received this	Form and	the following documents:
(1)	The Applicat	tion for a Liquid Injection on West D	1 117 11	117 l D	
(1)	sots out the	tion for a Liquid Injection or Waste D	isposai weii	WORK P	ermit on Form WW-3(B), which
(9)		parties involved in the drilling or other			•
(2)	The Plat (su	rveyor's map) showing the well location	on on Form	ww-6; a	nd
(3)	ine Constru	ction and Reclamation Plan on Form	WW-9 (unle	ss the w	ell work is only to plug a well),
	wnich sets o	ut the plan for erosion and sediment o	control and i	for reclai	nation for the site and access road.
The	date propose	d for the first injection or waste dispo	osal is		
THI	E REASON YO	U RECEIVED THESE DOCUMENTS IS	THAT YOU	HAVE RI	GHTS REGARDING THE APPLICATION
WH	ICH ARE SUM	MARIZED IN THE "INSTRUCTIONS" (	N THE REV	ERSE SII	DE OF THE COPY OF THE APPLICATION
lσo	RM WW-3(B))	DESIGNATED FOR YOU. HOWEVER, Y	OU ARE NO	T REGIII	RED TO TAKE ANY ACTION AT ALL
<u> </u>					
	T	ake notice that under Chapter 22B of the	West Virgini	a Code, tl	ne undersigned well operator
	pı	roposes to file or has filed this Notice and	Application	and accon	npanying documents for a
	W	Vell Work Permit with the Director of the	Division of O	il and Ga	s, West Virginia Department
	of	Energy, with respect to a well at the local	ation describe	d on the	attached Application and
	de	epicted on attached Form WW-6. Copies of	of this Notice,	the Appl	ication, the plat, and the
	C	onstruction and Reclamation Plan have b	een mailed by	y register	ed or certified mail or delivered
	by	hand to the person(s) named above (or b	y publication	in certai	n circumstances) on or before
	tr	e day of mailing or delivery to the Direct	or.		
Th.					
1116	e person signi	ng this document shall make the follo	wing certific	cation:	
	"I cortify un	der penalty of law that I have			D 1 D 1 4 . 0
		xamined and am familiar with the			Pennzoil Products Company
	information	submitted in this document and all			Well Operator
		and that, based on my inquiry of			()- ///~~ <sub>^</sub>
	those individ	luals immediately responsible for		By	tund 420
		e information, I believe that the		Dy.	7-20-4-1
		is true, accurate, and complete. I		Its	Supervisor, Surveying/Mapping
		at there are significant penalties for		wa.	Supervisor, Surveying/mapping
		alse information, including the	Tel	lephone	(304) 422-6565
		fine and imprisonment."	10.	priorie	(001) 122 0000

	LE COPY					"1 7
verse)	· · · · · · · · · · · · · · · · · · ·				• 1 · · · · · · · · · · · · · · · · · ·	
		OFFICE	USE ONLY			
	·		NG PERMIT			
Permit number4	7-095-1659-LI				September 9th	19
quirements subject to the No. 8) Prior to the con	e well operator and well location to conditions contained herein a struction of roads, locations and ector 24 hours before actual per	ind on the reverse hi I pits for any permit	ereof. Notification m ited work. In addition	ist be given to the I	District Oil and Car Incan	-1 (D-f-
The permitted work is a conditions specified be	s described in the Notice and Ap	plication, plat, and	(if required) construc	tion and reclamatio	n plan, subject to any moo	difications
Permit expires	9 <b>-9-98</b>	••	nless well work is com	menced prior to the	date and prosecuted with	
	•		mess well work is com	menced prior to tha	date and prosecuted with	due dilige
Bond:	Agent: Plat: Casin	Fee CK#	111.		^	
<u> </u>	1 1/00 1 /0	03012849	or Miles	2 Const.	La din s	
		,	•	A A	· years	
NOTE: Keep one cop	y of this permit posted at the d	rilling location.	CHIEF	OFFICE OF	OIL AND GAS	
	PERMIT MODIFICATION	S AND CONDITION	ONS (IF ANY) TO T	HE PROPOSED W	ELI. WORK	
•						
			1			
			,			
						-
		OFFICE	E USE ONLY			
This part of Form IV-	3(b) is to record the dates of cer	rtain occurrences ar	nd any follow-up insp	ections.		
	Date				Date	e(s)
Application received			Fol	ow-up inspection(s)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Well work started					•	
Total depth reached						
Well Record received	•			,,		
				11		
Reclamation complete				,,		
OTHER INSPECTIO	NS					