

WR-35

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

Well Operator's Report of Well Work

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Glover, Fred & Dottie

Operator Well No.: J.L.McIntyre #12

LOCATION:

Elevation:

1,007'

Quadrangle:

Center Point

District:

McElroy

County: Tyler

30 39 Deg 27 Min Sec.

Latitude: Longitude: 6,150' 7,400' Feet south of Feet west of

80 Deg 40 Min

0 Sec.

API#

Company:

PENNZOIL PRODUCTS COMPANY

P.O. BOX 5519

Mike Underwood

VIENNA, WV 26105-5519

Agent:

PHILIP S. ONDRUSEK

Inspector: Permit Issued:

10/21/96

Well work Commenced:

12/23/96

Well work Completed:

1/15/97

Verbal plugging

permission granted on:

Rotary Cable

Total Depth (feet)

Rig 3020'

NA

Fresh water depths (ft)

Salt water depths (ft) NA

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

Casing &	Used in Left		Cement Fill Up			
Tubing	Drilling	in Well	Cu. Ft.			
Size						
8-5/8"	265'	265'	160 Sacks			
4 1/2"	2932'	2932'	140 Sacks			
		·				

OPEN FLOW DATA

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

Producing formation	Gordon	Pay zone depth (ft)	2,888
Gas: Initial open flow	* MCF/d	Oil: Initial open flow	*	Bbl/d
Final open flow	* MCF/d	Final open flow	*	Bbl/d
Time of open flow be	tween initial and final	tests *	Hours	
Static rock pressure	*psig (su	rface pressure) after		Hours
Second producing formation		Pay zone depth (ft)	
Gas: Initial open flow	MCF/d	Oil: Initial open flow		Bbl/d
Final open flow	MCF/d	Final open flow		Bbl/d
Time of open flow be	tween initial and final	tests	Hours	
Static rock pressure	psig (su	rface pressure) after		Hours
NOTE: ON BACK OF THIS FORM, PUT THE OR STIMULATING, PHYSICAL CHANGE, E				RING

GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL	PRODUCTS COMPANY	
By:	- XXXX	
Date:	3/15/98	

Treatment:

Perforated Gordon sand with 16 holes from 2890'-2894' K.B. Fractured with 300 gals 15% HCL and 191 bbls gelled water and 9,200 lbs. 20/40 sand

Well Log:

All depth are relative to K.B.

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:	1900 L		70.DV		<u>:</u>		1) D.4.				1000	
'ORM WW-3(F Obverse) FILE	·	COPY		į		1) Date 2) Well			August 20, I.L. McInty		
0/91	DE	CEIVED			•		3) SIC			.L. Memcy	19 140.12)
0/91	Office	of Oil & Gas	,				·-	Well No.	47 -	095		
	Uic	C Section	1						State	County	-	Permi
	AUG	2 6 199	6				5) UIC	Code	- 000	ued 1	611	
-	un.	Division of	s	TATE	OF W	EST VIRGINI	A			uea i	0/21/	96
NOTICE	DEMICH	HAPPIER	<u> </u>		fo	DISPOSAL WI			Cy	pires'		198
					AL PI	ROTECTION,	OFFICE (JF OIL				
WELL T		Liquid :	Injection _	Х	• 	Gas Injection		·	_	e Disposal		
LOCATION	ON: Distric	Elevation_	1007 McElroy		5" (Wate unty Tyler	ershed	McInt	yre Fork Quadrangl	• C	enterpoi	nt.
IIIIII O			-		46	70	CICNIAMED	ACIENT	_ ` `_			ш
) WELL O	PERATOR:	Pennzoil I		ompan	y 314	9) DE	SIGNATED	AGENT		p S. Ondru		
		P.O. Box 5			317					O. Box 551		
		Vienna, W							Vien	na, WV 26	100	
0) OIL & G	AS INSPECT			D:		11) Di	RILLING C					
		e Mike Und						Name				
	Addres	s Route 2, E						Addres	s			
		Salem, W	V 26426									
2) PROPOS	ED WELL W	ORK:	Drill		<u>X</u>	Drill Deeper		Redril		Stimulate	X	
					d Form		Perforate N	lew Forn	nation _		Convert	
			Other F	'hysical	Change	e in Well (specify)						
3) Geologic	al target form	ation		Gordor	410	Depth	a 286	7	_Ft. (Top) t	2882	F	. (Botto
4) Estimate	d depth of co	mpleted wel	l (or actua	al depth	of exis	ting well)		300	7	Ft.		
.5) Approxir	nate water st	rata depths:		Fresh		187	Ft.		Salt		1214	Ft.
		_		•		819	Ft.		-			-
	nate coal sear		•				•					
(7) Is coal be	ing mined in	the area?				Yes	X	No				
8) Virgin re	servoir press	ure in targe	t formatio	n:		1400	•	psig.	Source		Estimat	æd
19) Estimate	ed reservoir fr	acture pres	sure:			3500		psig.				
20) Maximu	m proposed in	jection oper	ations:	•	Volur	ne per hour	25 bbl.		Bottom Hol	le Pressure	2332 ps	ig.
	indentification			aio ato d		_ , 	Fron		produced w	ator baata	nicidos o	nd
•				-		mprove oil recove		M Water,	produced w	ater, bacter	i icides a	uu
		Cartridge					. <u>.</u>		·			······································
	-	<u>_</u>										
23) Specifica	tions for cath	odic protect	tion and of	ther cor	rosion	control:						
CASINIC		IC PROCE	A 3 G.									
24) CASING CASING OR	AND TUBIN 		am: FICATION	1S	1	FOOTAGE I	NTERVAL	3	I CEMEN	T FILLUP	i PA	CKERS
TUBING TYP	E Size	Grade	Weight	New	Used	For Drilling	Left in	Well	OR S	ACKS		
Conductor									1		Kinds	
Fresh Water	8 5/8"	L.S.	20#	Х		257	25	57	Cement T	o		
Coal									Surface	ş	Sizes	
Intermediate										1		
Production	4 1/2"	J-55	10.5#	X		3007	300	07	Cement C		Depths	Set
Tubing									Salt Sand			
Liners		_			igsquare						Perfora	
							ļ				Top	Bottor
				ļ			<u> </u>				ļ	
				<u> </u>	لــــا		1				<u> </u>	
25) APPLIC	ANTS OPER						h McIntyre					
•			77	\sim	ther Co	-tat	D-4-3	Mana	h 20, 1894		of reco	
•	Deed	— Lease Tyler	X	-		's Office in	_Dated	Book		Page	107	ra in une

FORM WW-3(A) Obverse

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RECEIVED Office of Oil & Gas UIC Section

AUG 26 1996

WY Division of Environmental Protection

1) Date	A
2) Well No.	J

August 20, 1996 J.L. McIntyre No.12

3) SIC Code

4) API Well No. 47 - 095 State County

16	66	-2	
	D.		: 4

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)	SUR	FACE OW	NER(S) OF RECORD TO BE SERVED	6 (iv)	ADDITION	AL SURFACE OWNERS
					Name	
	(i)	Name_	Fred & Dottie Glover		Address	
		Address _	H.C. 62, Box 53		_	
		_	Alvy, WV 26322	7 (ii)	COAL OW	NER WITH DECLARATION ON RECORD:
	(ii)	Name			Name	N/A
		Address			Address	
		_				
	(iii)	Name -		7(iii)	COAL LES	SEE WITH DECLARATION ON RECORD:
		Address			Name	N/A
		-			Address	
		-				
			N(S) NAMED ABOVE: You should have rec			the following documents:
(1) The	e Applic	ation for a Liquid Injection or Waste Disp	osal Well	Work Per	rmit on Form WW-3(B), which
	set	s out the	e parties involved in the drilling or other	work, and	l WW C	a
(2) The	e plat (s	urveyor's map) showing the well location	on rorm	ww-o; an	a U
(3) The	e Constr	ruction and Reclamation Plan on Form W	w -9 (unie	ess tne we	ii work is only to plug a weil),
	wh	ich sets	out the plan for erosion and sediment con	itrol and	tor rectan	ation for the site and access road.
			sed for the first injection or waste disposa			
			OU RECEIVED THESE DOCUMENTS IS TH			
WI	HICH	ARE SU	MMARIZED IN THE "INSTRUCTIONS" ON	THE REV	ERSE SID	E OF THE COPY OF THE APPLICATION
) DESIGNATED FOR YOU. HOWEVER, YO			
<u> </u>			Take notice that under Chapter 22B of the W	est Virgini	ia Code, th	e undersigned well operator
			proposes to file or has filed this Notice and Ap	pplication	and accom	panying documents for a
			Well Work Permit with the Director of the Di	vision of C	Oil and Gas	, West Virginia Department
			of Energy, with respect to a well at the location	on describ	ed on the a	ttached Application and
			depicted on attached Form WW-6. Copies of t	his Notice	, the Appli	cation, the plat, and the
			Construction and Reclamation Plan have been	n mailed b	y registere	d or certified mail or delivered
			by hand to the person(s) named above (or by p		ı ın certair	circumstances) on or before
			the day of mailing or delivery to the Director.			
Th	e pei	rson sign	ning this document shall make the followi	ing certifi	cation:	
						_ , , , ,
			inder penalty of law that I have		_	Pennzoil Products Company
			examined and am familiar with the			Well Operator
			n submitted in this document and all			$\langle - \rangle / \langle - \rangle / \langle - \rangle$
			its and that, based on my inquiry of		ъ	
			viduals immediately responsible for		By_	france, 1 (
			the information, I believe that the		T	C
			on is true, accurate, and complete. I		Its_	Supervisor, Surveying/Mapping
			that there are significant penalties for	m.	alanhana	(204) 422 6565
			g false information, including the	Т	elephone _	(304) 422-6565
	no	ssihility	of fine and imprisonment."			

		OFFICE USE ONLY	
		DRILLING PERMIT	
Permit number	47-095-1666-S	October 21st	. 19 9
No. 8) Prior to the c district oil and gas in	onstruction of roads, locations are nspector 24 hours before actual p		ector, (Refer to otify the proper
The permitted work conditions specified	below.	Application, plat, and (if required) construction and reclamation plan, subject to any me	odifications and
Permit expires	10-21-98	unless well work is commenced prior to that date and prosecuted with	h due diligence.
Bond:	Agent: Plat: Casi	0301449528 Malion Deni	•
NOTE: Keep one of	copy of this permit posted at the	drilling location. CHIEF, OFFICE OF OIL AND GAS	
	PERMIT MODIFICATIO	NS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK	
		OFFICE USE ONLY	
This part of Form I	V-3(b) is to record the dates of co	ertain occurrences and any follow-up inspections.	
	Date	Da	e(s)
	3	Follow-up inspection(s)	`

.. ,,

Well work started

Total depth reached
Well Record received
Reclamation completed
OTHER INSPECTIONS

Reason:___