

API#

10-Jun-96 47 -095- 1647

JAN 1 0 1997

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

**Formitting** 

	Diffice of Oil & Ga	s <b>W</b>	ell Operator's	Repor	t of Well	Work		s e saladania
Farm name:	Glover, Fred					No.: E.M	cIntyre #10	
LOCATION:	Elevation:	961.00'		Qua	drangle:	Center Po	nt	
	District: Latitude: Longitude:	McElroy 9,500' 7,200'	Feet south of Feet west of		nty: Tyl Deg 27 Deg 40	Min 30	Sec.	um in the second dist
Company:	PENNZOIL P.O. BOX 5: VIENNA, W	519	S COMPANY 519	7	Casing & Tubing		Left in Well	Cement Fill Up Cu. Ft.
Agent:	PHILIP S. C	NDRUSEK			Size			
Inspector: Permit Issued:	Mike Under	6/10/						
Well work Cor Well work Cor Verbal pluggin	npleted: g	7/30/ 10/4/			8 5/8"	220'	220'	140 Sacks
Rotary X Total Depth (fe	Cable eet)	Rig 2996'			4 1/2"	2923.1'	2923.1'	275 Sacks
Fresh water de	puis (11)	<u>NA</u>	_				· view or many results	
Salt water dept	ths (ft)	NA	<del></del>					
Is coal being m Coal Depths (f	nined in area (Y	/N) 801-8	N 810					
OPEN FLOW	DATA	*Well wa	s drilled as a v	waterflo	od injectio	on well. No	open-flow data	was obtained
	cing formation	·	Gordo		<u> </u>	Pay zone o	lepth (ft)	2832-2847
Gas:	Initial open f Final open fl			MCF/d MCF/d		ial open flow al open flow		* Bbl/d
	-		ween initial a			ai open now	* Hour	DU/U
Static	rock pressure				urface pro	essure)	after	Hours
Secon	d producing for	rmation				Pay zone o	lepth (ft)	
Gas:	Initial open f			MCF/d		ial open flov	v	Bbl/d
	Final open fl			MCF/d		al open flow		Bbl/d
Static	rock pressure	en now bet	ween initial a		u tests urface pro	essure)	Hour	s Hours
NOTE: ON BACTOR STIMULATI	K OF THIS FORM NG, PHYSICAL ( RECORD OF ALL	CHANGE, ET	C. 2) THE WEI	L LOG V	WHICH IS	A SYSTEMA	TIC DETAILED	ACTURING

For: PENNZOIL PRODUCTS

By: Date:

**Treatment:** 

Perforations:

Teatment: THE ELECTION OF THE 2838' - 2844' - 4 holes/ft. (24 holes)

Treated via 4.5" Casing with 300 gals. 15% HCl, 219 bbls.

A A Comment of the Co

Borate cross-linked gelled water and 13,650 lbs. of 20/40 sand. 

The second of th

TD = 2996' in all control

· .		146	
Sand & Shale	. 0	-	218
Shale	218	-	508
Sand	508	-	523
Shale	523	-	611
Sand when the changes of	611	-	657
Sand	657	-	801
Coal	801	-	810
Shale	810	-	834
Sand	834	-	872
Shale	872	-	1300
Sand	1300	-	1355
Shale	1355	-	1562
Sand	1562	-	1578
Shale	1578	-	1 <b>6</b> 96
Sand	1 <b>6</b> 96	-	1704
Shale	1704	-	1980
Sand	1980	-	2006
Big Lime	2006	-	2084
Big Injun	2084	-	2252
Shale	2252	-	2822
Gordon Stray	2822	-	2832
Gordon	2832	-	2847
Shale	2847	-	2852
Sand	2852	-	2858
Shale	2858	-	2864
Sand	2864	-	2868
Shale	2868	-	2996
			· ·

ţ

Office of UiC UiC OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFF	District ATOR: ISPECTO Name Address VELL WO	Pennzoil P.O. Box Vienna, PR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	OR WALL X Compa	TALI	Gas Injections of the County To 9)	8) 4) 5) FINIA WELL W DN. OFFICE tion Watershed yler DESIGNA	McInt	A7 - 096 State Cou  LINE CAN  MIT APPLICAT  AND GAS  Waste Dispo  TOR:  Philip S. On  P.O. Box  Vienna, WV	- 1647- nty Permi - 06/10/96 - 06/10/9 FION  Centerpoint adrusek 5519
Office of UiC UiC OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFF	Oil & Gassetion  1 19 ivision of hid Pole ivis	Pennzoil P.O. Box Vienna, PR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	OR WALL X Compa	TALI	County T	5) FINIA WELL W DN. OFFICATION Watershed yler DESIGNA	API Well No. UIC Code  ORK PER CE OF OIL  McInt	State Cou  Waste Dispo  Waste Dispo  Por Fork  Quadrangle  Philip S. On  P.O. Box  Vienna, WV	nty Permi
UIC OFFICIENT OPERA GAS IN OSED W	Section  1 19  ivicion of  ivision of  ivision  VISIO  District  ATOR:  SPECTO  Name  Address  VELL WO	Pennzoil P.O. Box Vienna, PR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	OR WALL X Compa	TALI	County T	FINIA WELL W ON. OFFICE tion Watershed yler DESIGNA	VIC Code  ORK PER  CE OF OIL  McInt  TED AGENT  G CONTRAC	State Cou  Waste Dispo  Waste Dispo  Por Fork  Quadrangle  Philip S. On  P.O. Box  Vienna, WV	nty Permi
TYPE: TION: OPERA GAS IN	District ATOR: SPECTO Name Address	Liqui Elevation Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	OR WALL X Compa	TALI	County T	WELL WELL WON. OFFICE tion Watershed yler DESIGNA	ORK PER CE OF OIL  McInt TED AGENT G CONTRAC	MIT APPLICATE AND GAS  Waste Disponsive Fork Quadrangle Philip S. On P.O. Box Vienna, WV	Centerpoint adrusek 5519
TYPE: TION: OPERA GAS IN	District ATOR: SPECTO Name Address	Liqui Elevation Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	OR WALL X Compa	TALI	County T	WELL WELL WON. OFFICE tion Watershed yler DESIGNA	ORK PER CE OF OIL  McInt TED AGENT G CONTRAC	MIT APPLICATE  AND GAS  Waste Disponsive Fork  Quadrangle  Philip S. On P.O. Box Vienna, WV	Centerpoint of adrusek
TYPE: TION: OPERA GAS IN	District ATOR: ISPECTO Name Address VELL WO	Liqui Elevation Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	OR WALL X Compa	TALI	County T	WELL W  ON. OFFICE  tion  Watershed yler  DESIGNA	McInt	MIT APPLICATE  AND GAS  Waste Disponent  Vieronal Processor  Wienna, WV  TOR:	Centerpoint of adrusek
TYPE: TION: OPERA GAS IN	District ATOR: ISPECTO Name Address VELL WO	Liqui Elevation Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	Compa	TAL	Gas Injections of the County To 9)	DN. OFFIC tion Watershed yler DESIGNA	McInt	Waste Dispo /re Fork Quadrangle : Philip S. On P.O. Box Vienna, WV	Centerpoint of drusek
TYPE: TION: OPERA GAS IN	District ATOR: ISPECTO Name Address VELL WO	Liqui Elevation Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	MCElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	Compa	TAL	Gas Injections of the County To 9)	DN. OFFIC tion Watershed yler DESIGNA	McInt	Waste Dispo /re Fork Quadrangle : Philip S. On P.O. Box Vienna, WV	Centerpoint of drusek
TYPE: TION: OPERA GAS IN	District ATOR: ISPECTO Name Address VELL WO	Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	McElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plo	Compa	9 ,	Gas Injection County T	watershed yler DESIGNA	McInt TED AGENT G CONTRAC Name	Waste Dispo	Centerpoint of drusek
OPERAGAS IN	District ATOR: SPECTO Name Address VELL WO	Pennzoil P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, V	McElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Ph	Comps		County T. (6.70 9)	Watershed yler DESIGNA	TED AGENT G CONTRAC	vre Fork Quadrangle Philip S. On P.O. Box Vienna, WV	Centerpoint of drusek
GAS IN	District ATOR: SPECTO Name Address VELL WO	Pennzoil P.O. Box Vienna, DR TO BE Mike Un Route 2, Salem, W	McElroy Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	Comps  ED:		County T. (670 9)	yler ) DESIGNA	TED AGENT G CONTRAC	Quadrangle Philip S. On P.O. Box Vienna, WV	adrusek 5519
GAS IN	ATOR:  SPECTO  Name  Address  VELL WO	Pennzoil P.O. Box Vienna, DR TO BE Mike Un Route 2, Salem, W	Products 5519 WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Plu	Comps 5 ED:		County T. (670 9)	yler ) DESIGNA	TED AGENT G CONTRAC	Quadrangle Philip S. On P.O. Box Vienna, WV	adrusek 5519
GAS IN	ISPECTO Name Address VELL WO	P.O. Box Vienna, OR TO BE Mike Un Route 2, Salem, W	S 5519 WV 26100 NOTIFIE Iderwood Box 135 VV 26426 Drill Ph	ED:	uny (			G CONTRAC	P.O. Box Vienna, WV TOR:	5519
OSED W	Name Address VELL WO	Vienna, OR TO BE Mike Un Route 2, Salem, V	WV 26100 NOTIFIE derwood Box 135 VV 26426 Drill Ph	ED:				G CONTRAC	P.O. Box Vienna, WV TOR:	5519
OSED W	Name Address VELL WO	PR TO BE Mike Un Route 2, Salem, V	NOTIFIE derwood Box 135 VV 26426 Drill Plu	ED:		1:	1) DRILLIN	Name	TOR:	26105
OSED W	Name Address VELL WO	Mike Un Route 2, Salem, V	derwood Box 135 VV 26426 Dril Plu	l			1) DRILLIN	Name	)	
ical targ	Address /ELL WO	Route 2, Salem, V ORK:	Box 135 VV 26426 Dril Plu							
ical targ	/ELL WO	Salem, W	VV 26426 Drill Plu					E. A.		
ical targ	get forma	ORK:	Drill Plu					Address		
ical targ	get forma		Plu							
-		Hon		- OF C	X Old Form	Drill Dee		Redril		
-		tion	- mici			nation ge in Well (spec	remora ifv)	te New Form	ation	Convert
ted dep		MOTT		Gordo	/		epth	2821	Ft. (Top) t 28	336 Ft. (Botton
Estimated depth of completed well (or actual depth of existing well)  2821 Ft. (Top) to 2836 Ft. (Bottom 2961 Ft.)										
		ta depths		Fresh		141	Ft.	2301		4440
	oal seam	-		11001		773	Ft.		Salt	1168 Ft.
	ined in t	_				Yes		K No		
parg. Source										
		ction ope			Volu	me per hour	25 bbl.	psig.	D	
									Bottom Hole Pressu	
a maen hemical	uncauon s as need	or materi ed to mai	iais to be i ntain wat	njected er qual	, includ itv and	ing additives: improve oil rec	OVATV	resh water,	produced water, bac	tericides and
(if any):			e filters ar				overy.	<del></del>		
-								<del></del>		
:auons	or catno	nc protec	uon and o	ther co	rrosion	control:				
G AND	TUBING	PROGR	AM·				- ·			
Ī				NS		FOOTAG	E INTERV	ALS	CEMENT FILLU	P   PACKERS
PE	Size	Grade	Weight	New	Used	For Drillin	g Lef	in Well	OR SACKS	
										Kinds
	8 5/8*	L.S.	20#	X		211		211	Cement To	
<b></b> -∤-									Surface	Sizes
一十	4 1/2"	J-55	10.5#	x		2961		2061	Com out O	
				<del></del>		2001		2301 .		Depths Set
									- we calle	Perforations
									٧.	Top Bottom
1 -										1
		77.5			L					
				_						
	OPERAT	1.0000	X	•		-		August	11, 1993	of record in the
G	E	E Size 8 5/8" 4 1/2"  ANTS OPERAT	AND TUBING PROGR. SPECIFICATION SPECIFICATIO	AND TUBING PROGRAM:  SPECIFICATION  E Size Grade Weight  8 5/8" L.S. 20#  4 1/2" J-55 10.5#  ANTS OPERATING RIGHTS were	AND TUBING PROGRAM:  SPECIFICATIONS  E Size Grade Weight New  8 5/8" L.S. 20# X  4 1/2" J-55 10.5# X  ANTS OPERATING RIGHTS were acquired to be a compared to the compared to	AND TUBING PROGRAM:  SPECIFICATIONS  E Size Grade Weight New Used  8 5/8" L.S. 20# X  4 1/2" J-55 10.5# X  ANTS OPERATING RIGHTS were acquired from Deed Lease X Other Co.	SPECIFICATIONS   FOOTAGE	AND TUBING PROGRAM:  SPECIFICATIONS  FOOTAGE INTERV.  Size Grade Weight New Used For Drilling Left  8 5/8" L.S. 20# X 211  4 1/2" J-55 10.5# X 2961  ANTS OPERATING RIGHTS were acquired from Kenneth G. M. Deed Lease X Other Contract Dated	AND TUBING PROGRAM:    SPECIFICATIONS   FOOTAGE INTERVALS	AND TUBING PROGRAM:  SPECIFICATIONS  FOOTAGE INTERVALS  CEMENT FILLU  OR SACKS  8 5/8* L.S. 20# X 211 211 Cement To  Surface  4 1/2* J-55 10.5# X 2961 2961 Cement Over  Salt Sand  ANTS OPERATING RIGHTS were acquired from  Deed Lease X Other Contract  Dated August 11, 1993

Control of the control

RECEIVED
Office of Cil & Gas
UIC Section

FORM WW-3(A)
Obverse

WW Division of
Contract Protection

1) Date		May 7, 199	96
2) Well No.		Enoch Mc	Intyre No.10
3) SIC Code			
4) API Well No.	47 -	095	- 1647-61
_	State	County	Permit

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

## DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

6)	SUF	RFACE OW	NER(S) OF RECORD TO BE SERVED	7 (i)	COAL OP	ERATOR:
					Name	N/A
	(i)	Name_	Fred Glover		Address	
		Address	H.C. 62, Box 53			
		_	Alvy, WV 26322	7 (ii)	COAL O	WNER WITH DECLARATION ON RECORD:
	(ii)	Name	Forrest Glover		Name	N/A
		Address	P.O. Box 332		Address	
		-	Middlebourne, WV 26149	•		
	(iii	) Name	Marie A. Walters	7(iii)	COAL LI	ESSEE WITH DECLARATION ON RECORD:
		Address	c/o Dale Nice		Name	N/A
		_	P.O. Box 34		Address	
		_	Reader, WV 26167			
(1) (2) (3)	The set The The wh	e Applica s out the e plat (su e Constr ich sets o	N(S) NAMED ABOVE: You should have a tion for a Liquid Injection or Waste Di e parties involved in the drilling or othe arveyor's map) showing the well location auction and Reclamation Plan on Form out the plan for erosion and sediment of ed for the first injection or waste dispose	sposal Weller work, and on on Form WW-9 (unle	l Work P l WW-6; a ess the w	ermit on Form WW-3(B), which and well work is only to plug a well),
TH	E RE	ASON YO	OU RECEIVED THESE DOCUMENTS IS	THAT YOU	HAVE RI	GHTS REGARDING THE APPLICATION
						DE OF THE COPY OF THE APPLICATION
(FC	RM '	WW-3(B)	DESIGNATED FOR YOU. HOWEVER, Y	OU ARE NO	T REQU	IRED TO TAKE ANY ACTION AT ALL.
		_				

Take notice that under Chapter 22B of the West Virginia Code, the 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."

Pennzoil Products Company
Well Operator

By

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565

par or rorm 14-5(0) is to recor	a the dates of certain	 iollow-up inspections.		garage of	ing the state of t	
	Date			•		Date(s)
Application received		Follow-up	inspection	(s)		
Well work started		**	, ••			
Total depth reached		**	••			
Well Record received		**	••			
Reclamation completed		••	••			
OTHER INSPECTIONS						
Reason:					* * * * * * * * * * * * * * * * * * *	12-1-12-13-13-13-13-13-13-13-13-13-13-13-13-13-
, Reason:						