

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

Well Operator's Report of Well Work

Farm name:	CARLTON, E	HUGH & DARLENE	Operator	Well No.:	J.N. GLOV	ER E-8
LOCATION:	Elevation	: 1,001.00 Quad	rangle: C	ENTER POINT		
	District: Latitude: Longitude	MCELROY 10950 Feet Sou 8500 Feet Wes	Co th of 39 t of 80	ounty: TYLE Deg. 30Min Deg. 40 Min	R · Sec. n. Sec	
Company: PEN	NZOIL PRODU	JCTS COMPANY				
	O. BOX 5519 NNA, WV 26			Used in	Left 	Fill un
Agent: JAM	ES A. CREWS	5		Drilling	in Well 	Cu. Ft.
Inspector: I Permit Issue Well work Co	ed: ommenced:	06/07/93 06/13/93	Size 8-5/8 	263'	263 '	To surface 50 sks.
Well work Co Verbal Plugo Permission o	rina					
Rotary X Total Depth Fresh water	(feet)	R1g 3021'	 4-1/2 	2994.94'	 2994.94'	300 sks.
Salt water o	depths (ft)	N/A				
Is coal bein Coal Depths	ng mined in (ft):	n area (Y/N)? <u>N</u> N/A				
OPEN FLOW DA	ATA	WATER INJECTION	WELL			
Produci Gas: Ir Fi Ti	ing formati nitial open inal open f ime of open	on Gordon flow MCF, low MCF, flow between in	/d Oil: Ir /d Fi	Pay zone on titial open final open final test	lepth (ft)	2870'-2888 Bbl/c Bbl/c
Static	rock Press	surepsi	g (surface	pressure)	after_	Hours
Gas: Ir Fi	nitial open inal open f	formation flow MCF, low MCF,	/d Oil: Ir /d Fi	Pay zone on itial open inal open fl	IIOM	Bb1/c Bb1/c
		fl <mark>ow betwee</mark> n in surepsic				Hours Hours
LOG WHICH I	S A SYSTE	FORM PUT THE OR STIMULATING MATIC DETAILED ERED BY THE WELI	, PHYSICA GEOLOGICA	II. CHANGE	ውጥሮ ጋነ	MITTO TATES

For: PENNZOIL

By: Date: PRODUCTS COMPANY

TREATMENT

Perforated: Gordon with 15 holes 2879--2886'

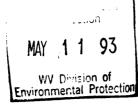
Treated with 300 gal. 15% HCL, 350 bbls. gelled water and 7000 # 20/40 sand.

WELL LOG

Sand & Shale	0 -	870
Pittsburg LS	870 -	898
Sand & Shale	898 -	1604
Sand	1604 -	1695
Sand & Shale	1695 -	2028
Big Injun	2028 -	2300
Shale	2300 -	2658
Berea	2658 -	2663
Shale	2663 -	2864
Stray	2864 -	2870
Gordon	2870 –	2888
T.D.	3021	

FORM	WW-3(B)	FILE COPY
(Obve	erse)	

10/91





1) Da	te:	May	7,			19 93
2) Op We	erator's	J.	N.	GLOVER	E-8	

3) SIC Code

4 API Well NO. 47 - 095 - 1543-LI State County Permit

5. UIC Permit No.

Issued 06/07/93

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

for the

DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

			ν.					. ,	
WELL TYP	•	•	1001	Gas in	ecuon (mot storage)			
LOCATION	_		McElro	••	15	Waters		Stackpole Run	
	Distric					County 37450			Centerboint
8) WELL OPE						<u>・ </u>		TED AGENT	
Add			30x 551				Ac		x 5519
	. 7.	Vienna		2610	1			<u>Vienna.</u>	WV 26105
0) OIL & GAS				IED "					
	ike Un			• •			11) DRILLING	G CONTRACTOR:	
	Rt. #2		135				Name		
-	Salem,	WV 2	6426				Address		
2) PROPOSEI	WELL W	ORK:	Drill	X	/ Dril	deeper		/ Stimulate	X/
			Plug of	fold	formati	on/ Perforale n	ew formation/	Convert/	
			Other ph	ysical	change i	in well (specify)	· · · · · · · · · · · · · · · · · · ·		
3) GEOLOGIC	CAL TARC	ET FOR	MATION,		Go	rdon		Depth 2891 feet	((top) to 2905 feet(bottom)
4) Estimated d	epth of co	mpleted w	vell, (or act			xisting well) 299			
5) Approximat	e water str	ata depth			81	feet; salt,	>300 feet.		
6) Approximat	e coal sean	depths:	<u>813</u>	1					· · · · · · · · · · · · · · · · · · ·
7) Is coal being	g mined in	the area?	Yes	/ No	<u>X</u> /				
8) Virgin reserv	voir pressu	re in targe	t formation	1	400	_psig. Source	Estimated	1	
9) Estimated re	servoir fra	cture pres	sure	3	500		psig (BHFP)		
O) MAXIMUN	1 PROPOS	ED INJE	CTION O	PERA1	IONS:	Volume per hour: _	25	Bottom hole press	ure2380
1) DETAILED	IDENTIF	CATION	OF MAT	ERIA	LS TO B	E INJECTED, INCL	UDING ADDITIV	Es: Fresh wate	r, produced water,
									improve oil recove
						nd/or coal be			
3) SPECIFICA	ATIONS FO	OR CATH	ODIC PR	OTEC	TION A	ND OTHER CORRO	SION CONTROL	·	
24) CASING A	ND TUBII	NG PRO	GRAM						
CASING OR	l .	SPEC	IFICATIONS			FOOTAGE I	NTERVALS	CEMENT FILLUP	PACKERS
TUBING TYPE	Star	Grade	Weight per ft.	New	Used	For drilling	Left is well	OR SACKS (Cubic feet)	}
Conductor									Kinds
Fresh water	8 5/8	L.S.	20	X		755	755	Cement to	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		2990	2990	Cement over	Depths set
Tubing					Π			Salt Sand	
Liners									Perforations:
	1								Top Bottom
	<u> </u>			<u> </u>				4	
	NT'S OPE	RATING				om J. N. & M	L. Gloven	<u></u>	100/
by deed_		ase_X					ne 8,		1894 of record in the
	T	yler		County	Clerk's	office in		Book 23	at page 360

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

FORM WW-3(A)
Obverse

) U.	د د	1	ED & Gas on
MAY	1	1	93
WV Environn	Div nent	isio al f	n of Protection

1)	Date	May 7	. 1993		
	Operator '	s			
2)	Well No	J. N.	GLOVER	E-8	
3)	STC C046				

4) API Well No. 47 - 095 - 1543
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
S) SURFACE OWNER(S) OF RECORD TO BE SERVED 7 (i) COAL OPERATOR N/A Address
(i) Name Hugh & Darlene Carlton Address 4955 S. Sanford Avenue 7 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD Sanford, FL 32773 Name (ii) Name Coastal Lumber Company Address P.O. Box 979
Buckannon. WV 26201 7 (iii) COAL LESSEE WITH DECLARATION ON RECORD: Name Address Address
TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and (2) The plat (surveyor's map) showing the well location on Form WW-6; and (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.
The date proposed for the first injection or waste disposal is, 19,
THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED 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 perfore 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 Pennzoil Products Company Well Operator By Timothy P. Roush Its Supervisor - Surveying/Mapping
information is true, accurate, and complete. I am aware that there are significant penalties for Telephone (304) 422-6565
submitting false information, including the possibility of fine and imprisonment.