

API#

05-03-95 API # 47-103-1678-S

APR 1 0 1996

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

Permitting Office of Oil & Gas

Well Operator's Report of Well Work

	Elevation:						
	Die vation.	1,249	Qua	drangle:	PINEGRO	VE	. w Ara
1	District: Latitude: Longitude:	GREEN 14,600 Feet south of 7,800 Feet west of		nty: WE Deg 30 Deg 40		Sec.	
1	PENNZOIL PI P.O. BOX 551 VIENNA, WV		7	Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Agent:	PHILIP S. ON	DRUSEK		Size			
Inspector: I Permit Issued: Well work Comm Well work Compl Verbal plugging		5/3/95 7/6/95 10/27/95		8-5/8	500'	500'	250 SKS
permission grante	Cable	Rig 235' NA		4 1/2"	3195'	3195'	170 SKS
Salt water depths	(ft)	NA					
Is coal being mine Coal Depths (ft):	ed in area (Y/N	NA NA					·
OPEN FLOW DA	ATA	*Waterflood Injection	Well				
Gas:]	ng formation Initial open flov Final open flov Time of open ck pressure		MCF/d MCF/d and fina	Fina	Pay zone dal open flow lopen flow ssure)	,	3068-3132 * Bbl/d * Bbl/d rs * Hours
Gas: I	oroducing form Initial open flo Final open flov Time of open ck pressure	w	MCF/d and fina	Fina	Pay zone dal open flow source)		Bbl/d Bbl/d rs Hours
INTERVALS, FR LOG WHICH IS	RACTURING A SYSTEMA	ORM, PUT THE FOLL OR STIMULATING, F TIC DETAILED GEOI ITEREDBY THE WEL	HYSIC.	AL CHAN	IGE, ETC.	2) THE WE	ELL
	·	For: PENN By: Date:	ZOIL PI	RØDUCT	COMPAN		1043 to 10

Treatment: Perforated Gordon 3097-3103 & 3110-3114 (40 Holes) Treated via 4 1/2" CSG 300 gal 15% HCl Acid, 273 BBL gelled water & 15,600 LB 20/40 Sand.

Well Log:

Sand & Shale	0	-	1462'
Sand	1462'	- ,	1486'
Shale	1486'	-	1550'
Sand	1550'	-	1588'
Sand & Shale	1588'	-	2209'
Sand	2209'	-	2242'
Shale	2242'	-	2250'
Sand	2250'	-	2322'
Sand Britan Chil	2322'	-	2425'
Shale	2425'	-	3068'
Gordon	3068'	-	3132'

T.D 3235'

113 6

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

10/91

RECEIVED Office of Oil & Gas **UIC Section** MAR 0 7 1995

		Sta	ite		County	,	Permit	
API Well NO) .	47				_ •		LI
SIC Code								
Operator's Well No	s.	н.	W]	L	XY #G-	-24		
Date:	M	arch 3					19 <u>95</u>	95
	SIC Code	Operator's Well No. S.	Operator's Well No. S. H. SIC Code	Operator's Well No. S. H. WI	Operator's Well No. S. H. WILE SIC Code	Operator's Well No. S. H. WILEY #G-SIC Code API Well NO. 47 - 103	Operator's Well No. S. H. WILEY #G-24 SIC Code API Well NO. 47 - 103 -	Operator's Well No. S. H. WILEY #G-24 SIC Code API Well NO. 47 - 103 - 1678-

Issued

WV Division of TE (Eqvironmental Projection **WEST VIRGINIA** NOTICE OF LIQU

E DISPOSAL WELL WORK PERMIT APPLICATION Expures 05/03/97 for the DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

5. UIC Permit No.

On X Gas injection (not storage) ___/ Waste disposal_ 6) WELL TYPE: Liquid injection Watershed: Fluharty Fork LOCATION: Elevation:____ Quadrangle: Pine Grove County: Wetzel Green District: WELLOPERATOR Pennzoil Products Co. 9) DESIGNATED AGENT _____ James A. Crews 37450 4070 P. O. Box 5519 P. O. Box 5519 Address _ Vienna, WV 26105 Vienna, WV 26105 OIL & GAS INSPECTOR TO BE NOTIFIED Name ___Mike Underwood 11) DRILLING CONTRACTOR: Address Route 2, Box 135 Salem, WV 26426 Address __ _/ Stimulate__X Drill____X__/ Drill _____ Redrill____ 12) PROPOSED WELL WORK: deeper____ Plug off old formation__/ Perforate new formation__/ Convert__/ Other physical change in well (specify)_ __Depth__3129___feet(top) to__ 13) GEOLOGICAL TARGET FORMATION, Gordon 419 3144 (eet (bottom) 3250 14) Estimated depth of completed well, (or actual depth of existing well)_ _ft. 15) Approximate water strata depths; Fresh, 429 _feet; salt, 1456 _feet. 1061 16) Approximate coal seam depths: 17) Is coal being mined in the area? Yes___/ No_X/ Virgin reservoir pressure in target formation 140
3500 Estimated 1400 _psig. Source __ psig (BHFP) 19) Estimated reservoir fracture pressure_ Bottom hole pressure 2332 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh water, produced water, bactericides and other chemicals as needed to maintain water quality & improve oil 22) FILTERS (IF ANY): Cartridge and/or coalbed filters SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: 24) CASING AND TUBING PROGRAM FOOTAGE INTERVALS CEMENT FILLUP OR SACKS SPECIFICATIONS CASING OR TUBING TYPE (Cubic feet) For drilling Left in well Kinds Conductor 499 499 Cement to 20 X 8-5/8 L.S. Fresh water surface Coal Intermediate 3250 Cement over 3250 Depths set 4-1/2 J-55 10.5 Production salt sand Perforations Liners

December 28

Lease

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

lease X / other contract / dated ____

Wetzel

25) APPLICANT'S OPERATING RIGHTS were acquired from Richard Wiley et al

County Clerk's office in

of record in the

134

<u>, 19 53</u>

at page

49

Book

FORM WW-3(A) Obverse

RECEIVED
Office of On & Gas
UC Section MAR 0 7 1995

WV Division of Environmental Protection OF WEST VIRGINIA

1)	Date_	March	3,	1995
	Operat	oric		

Well No. S. H. WILEY #G-24 2)

SIC Code 3)

4)

API Well No. 47 - 103

State County Permit

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

		for the	·
4	DIVISION OF OIL AN	ND GAS, DE	PARTMENT OF ENERGY
6) SUF	RFACE OWNER(S) OF RECORD TO BE SERVED	7 (i)	COAL OPERATOR N/A Address
	Name Opal Cole Address 18675 U.S. 19 North 401 Bay Arist. Name Clearwater, FL 34624	7 (ii)	COAL OWNER(S) WITH DECLARATION ON RECORD: Name Address
(iii)	Name Address	7 (iii)	COAL LESSEE WITH DECLARATION ON RECORD: Name
TO THE	PERSON(S) NAMED ABOVE. You should be	ve receive	d this Form and the following documents:
(2)	The Construction and Reclamation Pl	involved he well lo an on Form plan for	in the drilling or other work, and
The	date proposed for the first injectio	n or waste	disposal is, 19
WHICH A	ASON YOU RECEIVED THESE DOCUMENTS IS TAKE SUMMARIZED IN THE "INSTRUCTIONS" OF JOY OF THE TWO OF THE THE THE THE THE THE TWO OF THE THE THE THE THE THE THE TWO OF THE	N THE REVE	VE RIGHTS REGARDING THE APPLICATION RSE SIDE OF THE COPY OF THE APPLICATION OT REQUIRED TO TAKE ANY ACTION AT ALL.
propose Well Wo of Ener depicte Construered by	es to file or has filed this Notice an ork Permit with the Director of the Director with respect to a well at the lock on attached Form WW-6. Copies of the country of the	d Applicat vision of ation desc his Notice mailed by r by publi	Oil and Gas, West Virginia Department ribed on the attached Application and , the Application, the plat, and the registered or certified mail or delivation in certain circumstances) on or
The perfollowi	son signing this document shall make ng certification:	the	
pe in at th ob in am	certify under penalty of law that I ersonally examined and am familiar with a formation submitted in this document tachments and that, based on my inquitose individuals immediately responsibilitation, I believe the formation is true, accurate, and comparaware that there are significant penalthing false information, including	h the and all ry of le for at the lete. I alties for	Pennzoil Products Company We'l Operator By Timothy P. Roush Its Supervisor, Surveying/Mapping Telephone (304) 422-6565

			. :		
		OFFICE U			
		DRILLING	PERMIT		
Permit number	47-103-1678-LI		***************************************	May 3	19 95
quirements subject. No. 8) Prior to the	ig the well operator and well locati to the conditions contained herein construction of roads, locations an inspector 24 hours before actual pe	and on the reverse hered d pits for any permitted	of. Notification must be give work. In addition, the well	n to the District Oil and Gas I	Depostor (Deferre
The permitted work conditions specified	is as described in the Notice and A i below.	pplication, plat, and (if	required) construction and re	eclamation plan, subject to any	modifications and
Permit expires	5-3-97	unles	ss well work is commenced pr	ior to that date and prosecuted	with due diligence
Bond:	Agent: Plat: Casi	ne C.F. 55 21467	Malle	sel D. Jan	~
NOTE: Keep one	copy of this permit posted at the	drilling location.	CHIEF, OFFIC	CE OF OIL AND GAS	
	PERMIT MODIFICATION	NS AND CONDITION	S (IF ANY) TO THE PROP	OSED WELL WORK	
		OFFICE U	JSE ONLY		
This part of Form	IV-3(b) is to record the dates of co	ertain occurrences and a	any follow-up inspections.		
	Date			-	Date(s)
Application receive	ed		Follow-up ins	pection(s)	

** **

Well work started

Total depth reached

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:_