



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

05-31-95 API # 47-103-1677-S

Permitting

Well Operator's Report of Well Work

Ource O	f OII & Gas	wen Operato	n s Keport	or an ell an	OFK .			
Farm name:		IC LAND CORP.	Oj	perator We	ell No.: I. RE	EILLY H-19)	
LOCATION:	Elevation:	1,382	Qı	ıadrangle:	CENTER	POINT		
	District: Latitude: Longitude:	GREEN 4,200 Feet s 6,550 Feet s	south of 3	•	/ETZEL 80 Min 0 80 Min 0	Sec.	. • 1 1 4.	er er er
Company:	P.O. BOX 55	PRODUCTS COM 519 V 26105-5519	IPANY	Casin & Tubin		Left in Well	Cement Fill Up Cu. Ft.	
Agent:	PHILIP S. O	NDRUSEK		Size				
Inspector: Permit Issued: Well work Con	RANDAL M	ICK 5/31/95 6/25/95	* ************************************					
Well work Con Verbal plugging permission gran	npleted:	8/18/95	. •	8-5/8	660'	660'	To Surface	٠.
	_Cable et)	Rig 3,385' NA	•	4 1/2"	3366'	3366'	170 SKS	
Salt water dept	hs (ft)	NA						
Is coal being m Coal Depths (ft OPEN FLOW I	·):	N) NA NA *Waterflood Inje	ction Well					
Produc Gas:	cing formation Initial open fl Final open flo	ow sow in flow between i	GORDON MCF MCF MCF nitial and fi	'd Fi	Pay zone of the control of the contr	v `	3224-3287 * Bbl/d * Bbl/d rs * Hours	
Gas:	d producing for Initial open flo Final open flo Time of oper rock pressure	ow		'd Fi	Pay zone of itial open flow ressure)	v	Bbl/d Bbl/d rs Hours	
INTERVALS, I LOG WHICH I	FRACTURING S A SYSTEM	FORM, PUT THE GOR STIMULATI ATIC DETAILED NTEREDBY THE	ING, PHYSI GEOLOGIO	CAL CHA	NGE, ETC.	2) THE WE	ELI.	
	·	For: 1	PENNZOIL By: Date:	PRODUC Lunal 4/8,	TS COMPAN	IY L	V • • • • • • • • • • • • • • • • • • •	7.9

Treatment: Perforated Gordon 3258-3262 (16 Holes) Treated via 4 1/2" Casing w/300 gal. 15% HCl Acid, 251 BBL gelled water & 6900# 20/40 Sand.

many is seen to almost a self in the self

· 1000

Reamit Issaed Will would Course to Well work Course

Military States of

Well Log:

N. 19. 011

Sand & Shale	0	-	1710'
Sand	1710'	- ,	1758'
Shale	1758'	-	1802'
Sand	1802'	-	1858'
Sand & Shale	1858'	-	2168'
Sand	2168'	-	2230'
Shale	2230'	-	2377'
Sand	2377'	-	2417'
Sand & Shale	2417'	-	25031
Sand Doyce	2503'	-	2654'
Shale	2654'	-	3224'
Gordon	3224'	-	3287'
T.D	3385'		

FORM WW-3(B) (Obverse)	FILE COPY				Date:	March		. 19 <u>95</u>
10/91			WEST		Operator's Well No. Ire SIC Code	ne Reil	1y H-19	
		RECEIV Office of Oak	ED Cas	- 9	API Well NO.	47 -	103 County	- 167 Permit
1.4		UIC Soci	Thundan.	,	UIC Permit No.	ما	05 31/	95
206	NOTICE OF LIQU		(295 STATE OF WEST OR WASTE DISP		VORK PERMIT		05/3/19	7
	DIVISION (Environment and	for the					

				v							
6)	WELL TYPE	E: Liquid		<u> </u>	as inje	ection (not storage)				> p
7)	LOCATION	Elevati	on:	382			Watersh	· - ·	y Fork		35
		Distric	ι:	een			County:	Wetzel	Quadrangle:	Centerpoint	
8)	WELL OPE			1 Prod		Com	<u>pany</u> 37450	9) DESIGNAT	ED AGENT Jame	s A. Crews	
	Add	ress		30x 551				Add	ress P. C). Box 5519	
			lienna,	, WV 2	6105	<u> </u>			Vier	na, WV 2610	5
10) OIL & GAS INSPECTOR TO BE NOTIFIED Name Mike Underwood 11) DRILLING CONTRACTOR:											
	Address	Route	2, Box	135	· · · · · · · · · · · · · · · · · · ·			Name	CONTRACTOR.		
	Audies _	Salem,		26426				Address			
	-							Addies_			
12)	PROPOSED	WELL W	ORK:	DI 111		/ Drill				X/	
			,	-			on/ Perforate , ne	v formation/	Convert/		
					_		n well (specify)		enth 3262 feet	2277	
13)	GEOLOGIC					rdon	222	5	epth 3202 feet	(top) to <u>3277</u> feet (t	oottom)
14)	Estimated d	-	-		E 2 7		cisting well)	5 ft. 1589 feet			
15)	Approximat						feet; salt,	feet.			
16)	Approximat					v		 		· ·	
17)	Is coal being	g mined in	the area?	Yes/	No_	^/	T7 =	£.3 £ . 1			
18)	Virgin reserv	oir pressu	re in target	formation	350	10	_psig. SourceEs	timated			
19)	Estimated re		-					psig (BHFP)		0000	
20)							Volume per hour:	25	Bottom hole press		
21)	DETAILED	IDENTIF	ICATION and ot	OF MATI	ERIAL	STOB	E INJECTED, INCLU as needed to	DING ADDITIVE	$\mathbf{s}_{\mathbf{S}:}$ Fresh wate ter quality δ	r, produced i	water,
							lbed filters	mariicarii wa	eer quarrey o	recovery	
	•									recovery	•
23)	SPECIFICA	ATIONS F	OR CATH	ODIC PRO	OTEC	TON A	ND OTHER CORRO	SION CONTROL:			
24)	CASING A	ND TUBI	NG PROC	RAM			***************************************				
	SING OR	1	SPEC	FICATIONS		.	FOOTAGE IN	TERVALS	CEMENT FILLUP	PACKERS	
π	BING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Con	ductor			· · · · · · · · · · · · · · · · · · ·						Kinds	
	h water	8-5/8	L.S.	20	X		632	632	Cement to		
Coal									surface	Sizes	
	mediate										
Proc	luction	4-1/2	J-55	10.5	X		3375	3375	Cement over	Depths set	
Tub		 							salt sand		
Line		1								Perforations:	
						İ				Top Bot	lom.
		1			<u> </u>						
		t	1		†			····			
26	APPLICA	UT'S OPE	PATING	PICHTS	ere 200	nired fr	Om	Irene Rei	lly et al	ш	
23)	by deed_			other co				September		1895 , of reco	rd in the
	uy acca	/ IC	Wetzel						Book 47	at page 193	. u m me

Lease

47

Book

at page 193

County Clerk's office in

Total depth reached

Well Record received

Reclamation completed

OTHER INSPECTIONS

Reason:_
Reason:_

FORM WW-3(B) (Obverse)	FILE COPY
10/51	

62%	WEST DE
Office of Calla Gas * V	The same of the sa
MAR 2 2 1935	WEST VIDO

1)	Date:	Ma	11011 24		19
2)	Operator's Well No	Irene	Reilly	н-19	

, sic couc			
API Well NO.	47	. 103	1677-LI
	State	County	Permit

5. UIC Permit No. .

Issued 05/03/95

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

WORK FOR THE STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

For the STATE OF WEST VIRGINIA

OS 03/97

DIVISION OF ENTRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

6) WELL TYPE:		138		injec	tion (no	storage)	Waste disposal Fluharty	Fork	<u>:</u>	386
7) LOCATION:	Elevation	Gre				County: _	Motgol	Quadrangle:	Centerpoint	
8) WELL OPER	District:	nnzoil	Produ	cts	Compa	County		AGENT James	A. Crews	
8) WELL OPER	ATOR D	O Bo	x 5519		Q)	,70	Addres	D 0	Box 5519	
Addre	229	enna,		105	70		Addres		a, WV 26105	-
10) OIL & GAS I	NSPECTO	R TO BE	NOTIFIE)		,	II) DRILLING CO	ONTRACTOR:		
	ke Unde		125				Name	SITILOTE TOTAL		
	Route 2		5426							
	Salem,	WV Z	3420				Addi Gs			
12) PROPOSED	WELL WO		Plug off		ormation	deeper / Perforale new well (specify)		onvert_/	<u> </u>	
	= . 5.61	T TORM	Other phys	Go	rdon	419	Dej	oth 3262 feet(t	op) to <u>3277</u> feet(bot	tom)
13) GEOLOGIC	AL TAKGI	E I FURM	A 1 1011, _	l dent	h of exis	ting well) 337.	5 ft.			
14) Estimated de	pth of com	ipietea we	II, (OI actua	562	01 CA.	feet: salt,	1589 feet.			
15) Approximate	water stra	ta deptns;	1194						· · · · · · · · · · · · · · · · · · ·	
16) Approximate	coal seam	depths: _	Y /	No_	Χ,					
17) Is coal being	mined in t	he area!	les/	1/0	<u>o</u> ′	psig. Source Es	timated		-	
18) Virgin reserv				350	0	paig. Source	_psig (BHFP)			Ä
19) Estimated re						Volume per hour:	25	Bottom hole pressu	re <u>2332</u>	
			OF SIATE	DIAL	こせい ひに	Volume per hour:	DING ADDITIVES	Fresh water	r, produced wa	<u>iter</u>
21) DETAILED	IDENTIFI icides	and ot	her che	emic	als a	s needed to	maintain wat	er quality &	improve oil	<u> </u>
						bed filters			recovery.	
22) FILTERS (I	(F ANY):	Cartil	onic ppo	TECT	TON AN	DOTHER CORROS	SION CONTROL:			
23) SPECIFICA	ATIONS FC)R CATH	ODIC PRO	IECI	IONA	DOMER CORRE				<u> </u>
			D 4 3 4							i.
24) CASING A	ND TUBIN	NG PROG	KAM		_			CEMENT FILLUP	PACKERS	
CASING OR	1 .	SPECI	FICATIONS Weight		. 1	FOOTAGE IN	TERVALS	OR SACKS		
TUBING TYPE	Size	Grade	per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
Conductor									Kinds	
Fresh water	8-5/8	L.S.	20	X		632	632	Cement to		
Coal								surface	Sizes	
Intermediate						2275	2275	0	D	
Production	4-1/2	J-55	10.5	<u>X</u>		3375	3375	Cement over		
Tubing								salt sand		
Liners			l						Perforations:	
					<u> </u>				Top Botto	<u></u>

	1					<u></u>	L	11 1	I	
25) APPLICA	NT'S OPE	RATING	RIGHTS w	ere acc	quired fr	om	Irene Rei		1005	
by deed,	2	ease_X	/ other co	ontrac	/	dated	September		<u>c1895</u> , of recor	d in the
o, acca.		Wetze				office in	Lease	Book 47	at page 193	

	WW-3(A)
Obver	:se

RECEIVED Office of Oil & Gas UIC Section

FAR 28 1995

1)	Date	March	24,	1995
	Operator	់ ន		

2) Well No. Irene Reilly H-19

3) SIC Code

4)

API Well No. 47 - 103 - 1477 State County Permit

WV DARAGE OF WEST VIRGINIA

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

4		DIVISION OF OIL AN	ID GAS, DE	PARTMENT OF EN	ZRGY
6) s t	RFACE OWNER(S) O	F RECORD TO BE SERVED	7 (i)	COAL OPERATOR_	N/A
	Address Bldg.	nawha Blvd. E.	7 (ii)	Name	WITH DECLARATION ON RECORD
	Address Dept. of Name Attn: Address 1304 Go	Natural Resources Gary Foster	7 (iii)	Address COAL LESSEE WI' Name Address	TH DECLARATION ON RECORD:
(1 (2 (3	PERSON(S) NAMED The Applicati WW-3(B), whic The plat (sur The Construct to plug a wel		ion or Was involved he well lo an on Form plan for	ste Disposal We in the drilling ocation on Form n WW-9 (unless	g or other work, and WW-6; and the well work is only
Th	e date proposed	for the first injection			10

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 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
Timothy P. Rousi

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565