

RECEIVED Office of Oil & Gas

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

Well Operator's Report of Well Work

Farm name Bivision VA.

PUBLIC LAND CORP.

Operator Well No.: C.C.PENNICK-L15

LOCATION: Elevation: 1386.00

Quadrangle: CENTER POINT

District:

GREEN County: WETZEL
7700 Feet South of 39 Deg. 30Min. 0 Sec.
3900 Feet West of 80 Deg. 40 Min. 0 Sec. Latitude: Longitude

Company: PENNZOIL PRODUCTS COMPANY P. O. BOX 5519

VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: RANDAL MICK

Permit Issued: 10/05/92

Well work Commenced: 11/8/92 Well work Completed: 12/14/92

Verbal Plugging

Permission granted on:

Rotary X Cable
Total Depth (feet)
Fresh water depths (ft) Rig 3520' N/A

Salt water depths (ft)

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

Casing	Used in	Left  C	
Tubing	Drilling	in Well C	ill Up
Size	   		
	 		1
	 		Surface
8 5/8	661.20'	661.20'   17	
4 1/2	3506.38	3506.38   3	300 Sks.
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		·	
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			i

OPEN FLOW DATA

(Water Injection Well)

Producing formati	on Gordon	Pay zone depth (f	+1 <b>3365' - 34</b> 3
Gas: Initial open	flow MCF/d (	Dil: Initial open flow	Bb1/d
Final open f	low MCF/d	Final open flow	Bbl/d
Time of open	flow between initi	ial and final tests	Hours
Static rock Press	urepsig (s	surface pressure) after _	Hours
Second producing	formation	Pay zone depth (f	t)
Gas: Initial open	flowMCF/d (	Dil: Initial open flow	Bb1/d
Final open f	lowMCF/d	Final open flow	Bbl/d
Time of open	flow between initi	al and final tests	Hours
Static rock Press	urepsig (s	surface pressure) after	Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

Recorded Deweived For: PENNZOIL FRODUCTS COMPANY

Timothy P. Roush

By: Supervisor - Surveying/Mapping

Date: 3-3-93

## TREATMENT

PERFORATED:

Gordon w/ 8 Holes

3388' - 3396' 3408' - 3412'

w/ 4 Holes

Treated w/300 Gals. Reg. H.F., 283 Bbl. Gel Water 1500 # 80/100 and 3500 # 20/40 Sand

WELL LOG

(Measured Depths Directionally Drilled)

Sand &	Shale	0	_	510
Sand		510	_	530
Sand &	Shale	530	_	830
Sand		830	_	845
Sand &	Shale	845	_	1020
Sand		1020	_	1090
Sand &	Shale	1090	_	1340
Sand		1340		1370
Sand &	Shale	1370		1510
Shale		1510	_	1795
Sand		1795	_	1985
Sand &	Shale	1985	_	2490
Sand		2490	_	2660
Sand &	Shale	2660	_	2780
Shale		2780	_	3365
Gordon		3365	-	3430
T.D.		3520		





FORM WW-3(B)	FILE COPY
(Obverse)	
7/85	



1)	Date: Sep	rember	28,	. 19. 92	
2)	Operator's Well No. C.C	. PENNIC	IK L-15	j	•
	SIC Code				-
4	API Well NO.	State -	103 County	Permit	-41
5.	UIC Permit No.	UIC2R09			
	+50.114		1		

		7330 FO 16	15 192
	STATE OF WEST VIRGINIA	axpires 10151	94
NOTICE OF LIQUID INJECTION	N OR WASTE DISPOSAL WELL	WORK PERMIT APPLIC	ATTON
	for the		Office ci Caraca
DEDARTMEN	NT OF ENERGY OF THE		UIC Section

DEPARTMENT OF ENERGY, OIL AND GAS DIVISION

SEPT 2 9 92

6)	WELL TYPE: Liquid injection X Gas injection (not storage) Waste disposal
7)	LOCATION: Elevation: 1386' Gas injection (not storage) Waste disposal Watershed: Piney Fork
.,	District: Green County: Wetzel Centerpoint
8)	WELL OPERATOR Pennzoll Products 37450 9) DESIGNATED AGENT J.A. Crews
	Address P.O. Box 5519 4670 Address P.O. Box 5519
	Vienna, WV 26105 Vienna, WV 26105
10)	ord a critical perior to perior inte
	Name Randall Mick 11) DRILLING CONTRACTOR:
	Address Rt. #3, Box 248
	Weston, WV 26452 Address
	1.00.00
12)	PROPOSED WELL WORK: Drill X Drill deeper Redrill Stimulate /
-	Plug off old formation_/ Perforate new formation_/ Convert_/
	Other physical change in well (specify, NOTE: WELL WILL BE DRILLED DIRECTIONALLY.
13)	
14)	2271 (min) 10 2200 [eet(bottom)
15)	A
16)	1100
17)	
18)	
	Virgin reservoir pressure in target formation 1400 psig. Source Estimated
19)	Estimated reservoir fracture pressure 3300 psig (BHFP)
20)	MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bottom hole pressure 2470
21)	
	bactericides, and other chemicals as necessary to maintain water quality and improve oil
	FILTERS(IF ANY): Cartridge filters and/or coal bed filters. recovery.
23)	SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL:

CASING OR TUBING TYPE	I	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLUP	PACKERS	
TCM. NO TITE	Star	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)		
Conductor	<u> </u>					·			Kinds	
Fresh water	8 5/8	L.S.	20	X		640	640	To Surface		
Coel									Sizes	
Intermediate										
Production	4 1/2	J-55	10.5	X		3470 M.D.	3470 M.D.	Cement over	Depths set	
Tubing								Salt Sand		
Liners	<u> </u>								Perforations:	
·	<del> </del>								Тор	Bottom
	<b>↓</b>			<b></b>			<u> </u>			
	1			L			<u> </u>			
5) APPLICA	NT'S OPE	RATING F	RIGHTS w	ere acq	uired fro	mStringto	own Unit Roy	alty Owners		

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

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PORK WW-3(A)		1) 1	Date	Septembe	er 28,	1992
Obverse		(	Operator	٦.		
				C.C. I	ENNICK	L-15
			SIC Code			1 1
		4)	API Well			-1516
CTLTT	OF WEST VIRGI	TT A		State	. County	y Permit
						٦
NOTICE OF LIQUID INJECTION OR &	for the	WELL	WORK PER	HIT APPI	C. UIU .	
DIVISION OF OIL	AND GAS, DEPART	HENT	OF ENERG	T	SEPT 2	9 92
6) SURFACE OWNER(S) OF RECORD TO BE SERVED	7 (i) COA	OPE	RATOR	N/A	VLI : L	
						vision of
(i) Name WV Public Land Corp.						ntal Protection
Address Bldg. #3 Room 643	7 (11) COA	L OWN	ER(S) WI	TH DECLAR	C MOITAS	N RECORD
1900 Kanawha Blvd., E.	Nam	e				
(ii) Name Charleston, WV 25305						
Address		_				
	7 (iii) COA					
(111) Name -	Nam					
Address	Add	resi_			<u>-</u>	<del></del>
	•	٠ ــــ				
TO THE PERSON(S) NAMED ABOVE: You should h	sve received t	nis F	orm and	the Tolle	oving co	cuments:
(1) The Application for a Liquid Injec						
W-3(B), which sets out the partie	e involved in	the d	-{]]ine	or other	work. a	nd
(2) The plan (surveyor's map) showing	the well locat:	ion o	n Form W	W-6: and		
(3) The Construction and Reclamation P	is on form We	- G (12	nless th	e vell v	ork is o	ייבות
to plug a well), which sets out th	e nien for ero	sipa	and sedi	ment con	brs for:	for
reclamation for the site and acces	s toad.					
The date proposed for the first injecti		& 20Ga	l is		, 1	
· · · · · · · · · · · · · · · · · · ·						
THE REASON YOU RECEIVED THESE DOCUMENTS IS	THAT YOU HAVE	RIGET	S REGARD	ING THE A	77.5.7 PPT	TON
WHICE ARE SUMMARIZED IN THE "INSTRUCTIONS"	ON THE REVERSE	3475	OF 185	COPI OF .	ACTION V	- ATT
(FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER						
Take notice that under Chapter 22B of the $\Psi$	est Virginia C	οάε,	the unde	rsigned v	reli ope	TELOT
proposes to file or has filed this Notice a	nd Application	and	accompan	ging doct	uments f	OT A
Well Work Permit with the Director of the D	ivision of Oil	and	Gas, Wes	t Virgin	is Depar	tment .

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 inquity 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.

by Timothy P. Roush

les Supervisor - Surveying/Mapping

Telephone (304) 422-6565

Reclamation completed
OTHER INSPECTIONS

Reason: