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API#

Left

9-Sep-96 -095- 1662

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

Well Operator's Report of Well Work

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Envir	WE	Divisior Otal o.		
CONTRACTOR OF THE PERSONS	OUWS	nter Pro	of Diaction	1

Lemasters, Virginia

Operator Well No.: B.A. Swiger #7

Casing | Used in I

1,168'

Quadrangle:

Center Point

LOCATION:

Elevation:

Tyler

District:

County:

39 Deg 27 Min 30 Sec.

Latitude: Longitude:

6,700 Feet south of 11,200 Feet west of

80 Deg 40 Min

Sec.

Company:

PENNZOIL PRODUCTS COMPANY

P.O. BOX 5519

VIENNA, WV 26105-5519

Agent:

PHILIP S. ONDRUSEK

Inspector:

Mike Underwood

Permit Issued:

9/9/96 12/13/96

Well work Commenced: Well work Completed:

1/16/97

Verbal plugging

permission granted on:

Rotary

Rig Cable

Total Depth (feet)

3172 NA

Fresh water depths (ft) Salt water depths (ft)

NA

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

NA

Casing &	Usea III	Len	Fill Up
Tubing	Drilling	in Well	Cu. Ft.
Size			
8-5/8"	442'	442'	225 Sacks
4 ½"	3101.40'	3101.40'	275 Sacks

OPEN FLOW DATA

*Well was drilled as a waterflood injection well. No open-flow data was obtained

Produc	ing formation	Gorde	on	Pay zo	ne depth (ft)		3,018
Gas:	Initial open flow	*	MCF/d	Oil: Initial open	flow	*	
	Final open flow	*	MCF/d			*	
	Time of open flow be	tween initial	and final	tests	*	Hours	
Static r	ock pressure	Solution * MCF/d Oil: Initial open flow * Bbl/d					
Second	producing formation		•	Pav zo	ne depth (ft)		
Gas:	Initial open flow		MCF/d				Bbl/d
	Final open flow		MCF/d	Final open f	low		
		tween initial	and final	tests		Hours	
Static r	ock pressure		_psig (sur	face pressure)	after		Hours
NOTE: ON BACK	OF THIS FORM, PUT THE	FOLLOWING:	1) DETAIL	S OF PERFORATE	D INTERVAL	S, FRACTU	JRING
OR STIMULATIN	IG, PHYSICAL CHANGE, ET	C. 2) THE WE	LL LOG W	HICH IS A SYSTE	MATIC DETA	ΠFD	

For: PENNZOIL P

By: Date:

GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

166

<u>Treatment:</u>

Perforated Gordon sand with 16 holes from 3028'-3032' K.B. Fractured with 300 gals 15% HCL and 193 bbls gelled water and 9,600 lbs. 20/40 sand

Well Log:

All depth are relative to K.B.

0	449	Sand and Shale
449	802	Shale
802	846	sand
846	1022	Shale
1022	1056	sand
1056	1490	Shale
1490	1543	sand
1543	1596	Shale
1596	1632	sand
1632	1790	Shale
1790	1848	sand
1848	1943	Shale
1943	1982	sand
1982	2190	Shale
2190	2302	Big Lime
2302	2452	Big Injun
2452	3000	Shale
3000	3018	Gordon Stray
3018	3033	Gordon
3033	3172	Shale

	RM WW-3(B) Verse 01	<u> </u>	€	COPY	Offi AU W	JIC Se G 1 V Divis	il & Gas ction 9 1996		1) Date 2) Well No. 3) SIC Code 4) API Well No 5) UIC Code	. 47 State	August 13 B.A. Swig 095 Count	er No.7	662-LI Permit
			•	-					o) old code		1000	09/09	1/21
	NOTICE C	F LIQU	•	ECTION	STAT	E OF	WEST VIR	GINIA	WORK PER				196
						-	for the		A		ENDI	on. Us 09/	00/00
]	DIVISIO	N OF E	NVIRON	MEN	TAL	PROTECTIO	ON, OF	ICE OF OIL	AND G	AS	GG 0 7/6	771.78
	WELL TYPE	E:	Liqui	d Injection	<u> </u>		_ Gas Injec	ction		Wa	ste Disposa	l	
	LOCATION	:	Elevation	1168	3	_		Watershe	d Indian	 Creek	_		28
		Distric	t	McElroy	,	<u> </u>	County 1	yler		Quadran	gle (Centerpoint	
	WELL OPE	RATOR:		l Products	Compa	my 41	576 9) Design	IATED AGENT	 ': Ph	ilip S. Ondr	usek	
			P.O. Box								P.O. Box 55		
10\	07. 0.0101			WV 26100						Vie	nna, WV 2	6105	
10)	OIL & GAS				ED:		1	1) DRILL	ING CONTRAC	CTOR:			
			Mike Ur Route 2,						Name				
		Address		VV 26426					Addres	8			
12)	PROPOSED	WELL W		Drill		X	D-11 D-		-				
,			OIUIL.		ig Off C		Drill Dec mation		Redril orate New Form	-	Stimulate		•
	•						ge in Well (spe	cify)	51466 146W 1 011	IAUVII		Convert	
13)	Geological ta	rget forms	ation		Gordo	n 4	G D	epth	3028	Ft. (Top) t	3043	Ft. B	ottom)
14)	Estimated de	pth of con	npleted w	ell (or actu	al dept	h of ex	isting well)		3168		Ft.		occomy
15)	Approximate	water str	ata depth	s:	Fresh	L	348	Ft.		Salt		1375 Ft.	
16)	Approximate	coal seam	depths:				980	 Ft.				10.0	
17)	Is coal being	mined in t	he area?				Yes		X No				
18)	Virgin reserv	oir pressu	re in targ	et formati	on:		- 1	400	psig.	Source		Estimated	
19)	Estimated re	servoir fra	cture pre	ssure:			3	500	psig.	Comico		LSUINACED	
20)	Maximum pr					Volu	me per hour	25 bł		Rattom Ua	le Pressure	0200 - 1	
21)	Detailed inde	ntification	of mater	ials to be i	njected er quali	. includ	ling additives: improve oil rec		Fresh water,				
22)	Filters (if any			e filters an				overy.	•				
23)	Specifications												
24) CAS	CASING ANI	D TUBINO		AM: FICATION	 VS		I FOOTAG	E INTER	WAT Q	I OFFICE	M EU 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
TUB	ING TYPE	Size	Grade	Weight	New	Used	For Drillin		eft in Well	1	T FILLUP SACKS	PACKE	KS
Cond	luctor							-		- One s	ACINO	Kinds	
Fresl	h Water	8 5/8"	T.S	20#	v	 	410			-		ranus	

•

Production	4 1/2"	J-55	10.5#	Y		3168		100				
Tubing		333	10.0#	 ^	<u> </u>	2100	3.	168	Cement C)ver	Depth	s Set
	 			 					Salt Sand			
Liners											Perfor	ations
				 	 						Тор	Bottom
				<u> </u>								
25) APPLICANT	S OPERAT	ring Rigi	HTS were	e acquir	ed from	Nancy	/ Swiger		<u></u>			
by Deed		Lease	X	0	ther Contract		Dated	May 10), 1901		of reco	rd in the
-		Tyler		Count	y Clerk's Office	in	Deed	Book	48	Page	22	

Surface

Sizes

Coal

Intermediate

4 1/2"

J-55

FORM WW-3(A)
Obverse

RECEIVED
Office of Oil & Gas
UIC Section

AUG 19 1998

WV Division of Environmental Protection

1) Date		A	ugust 1	3, 19	96
2) Well No.		E	A. Swig	er N	0.7
3) SIC Code					
4) API Well No.	47		095		1162-41

County

Permit

State

STATE OF WEST VIRGINIA

NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION

DIVISION OF OIL AND GAS, DEPARTMENT OF ENERGY

	SURFACE	OWNER(S) OF RECORD TO BE SERVED	6 (iv) ADDITIONAL SURFACE OWNERS Name	
	(i) Nan	e Virginia Lemasters	Address	
	Addre			
			7 (ii) COAL OWNER WITH DECLARATION	ON RECORD:
	(ii) Nar	David W. Lemasters	Name N/A	
	Addre		Address	
		Middlebourne, WV 26149		
	(iii) Nar		7(iii) COAL LESSEE WITH DECLARATION	ON RECORD:
	Addre	115 North 7th Ave.	Name N/A	
		Paden City, WV 26159	Address	
	2) The plat 3) The Con	the parties involved in the drilling or o (surveyor's map) showing the well loc- struction and Reclamation Plan on For	ation on Form WW-6; and	
Γh		ts out the plan for erosion and sedime	nt control and for reclamation for the site and a	
ri Wi	e date pro E REASON HCH ARE	oosed for the first injection or waste di YOU RECEIVED THESE DOCUMENTS SUMMARIZED IN THE "INSTRUCTIONS	nt control and for reclamation for the site and a	APPLICATION IE APPLICATION

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."

By Fundly Plants

Its Supervisor, Surveying/Mapping

Telephone (304) 422-6565

Pennzoil Products Company

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		OFFICE	USE ONLY		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			G PERMIT		
Permit number	47-095-1662-	LI	*************	Sept. 9th.	19 9
				Date need to drill in accordance with the	
_	rk is as described in the No ed below.		(if required) construction a	ind reclamation plan, subject to any	
Permit expires	9-9-98		aless well work is commenc	ed prior to that date and prosecuted	with due diligen
Bond:	Agent: Plat:	Casing Fee	1.116) () m 1	•
		030128490	f What	most the for	m\
NOTE: Keep or	ne copy of this permit pos	ted at the drilling location.	CHIEF, OF	FICE OF OIL AND GAS	
	PERMIT MODI	FICATIONS AND CONDITION	ONS (IF ANY) TO THE P	ROPOSED WELL WORK	
		OFFICE	USE ONLY		

Date(s)

Follow-up inspection(s)

Date

Application received

Reason:_ Reason:_

Well work started

Total depth reached

Well Record received

Reclamation completed

OTHER INSPECTIONS