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State of West Virginia DEPARTMENT OF ENERGY Division of Oil and Gas

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	ision of Energy Well Operator's R	eport of T	Well Work R	corded	
Farm name:	THOMPSON, JENNINGS I	Operator	Well No.:	SILAS ASH	19
LOCATION:	Elevation: 992.00 Quad	rangle: SI	MITHBURG		
	District: GRANT Latitude: 1090 Feet Sou Longitude 6850 Feet Wes	th of 39	ounty: DODD Deg. 22Min Deg. 42 Mi	. 30 Sec.	•
Company:PEN	NNZOIL PRODUCTS COMPANY				
	O. BOX 5519 ENNA, WV 26105-5519		Used in		Cement Fill U
Agent: JAM	MES A. CREWS	Tubing	Drilling	in Well	Cu. Ft
Inspector: Permit Issu	MIKE UNDERWOOD 1ed: 08/08/91	Size		STREET, STREET	Control of
Well work C Verbal Plug Permission	granted on:	8 5/8"	1250.85	1250.85	490 Sks.
Rotary <u>X</u> Total Depth Fresh water	Cable Rig (feet) 5280 Capths (ft) N/A	4 1/2"	5171.65	5171.65'	250 Sks.
Salt water	depths (ft) N/A			SAM STORMAN	EDD CONSIDER
Is coal bei Coal Depths	ng mined in area (Y/N)? N (ft): N/A				
OPEN FLOW D	DATA				
Produc Gas: I	ing formation Benson initial open flow MCF inal open flow 110 MCF ime of open flow between i	/d Oil: Ir /d Fi	Pay zone on the latest pay and t	depth (ft flow low) <u>5090-5101</u> Bbl,′c Bbl,′c
Static	Time of open flow between in rock Pressure 1175 psi	nitial and g (surface	d final tese e pressure)	ts O after 1	Hou:
	producing formation		_ Pay zone o	depth (ft	
	nitial open flow MCF inal open flow MCF	/d Oil: Ir /d Fi	itial open nal open fi	flow	Bbl 7
	lime of open flow between is	nitial and	final test	ts	Bbl/d Hou:
	rock Pressurepsi				Hou s
	-				***************************************

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.

By: Timothy P. Roush Date: January 23, 1992

FRACTURE RECORD

PERFORATED:

Benson 5094-5100 w/ 12 holes

FRACTURED:

Benson w/ 500 gal. 15% HCL, 640 Bb1. gelled water, 10,000# 80/100 sand , & 25,000# 20/40 sand

WELL LOG

	0 1 0 01 1
0 - 420	Sand & Shale
420 - 440	Sand
440 - 453	Shale
453 - 600	Sand
600 - 616	Shale
616 - 635	Sand
635 - 717	Shale
717 - 738	Sand
738 – 775	Shale
775 - 800	Sand
800 - 1161	Shale
1161 - 1168	Sand
1168 - 1298	Shale
1298 - 1317	Sand
1317 - 1442	Shale
1442 - 1450	Sand
1450 - 1517	Shale
1517 - 1554	Sand
1554 - 1640	Shale
1640 - 1646	Sand
1646 - 1705	Shale
1705 - 1773	Sand
1773 - 1810	Shale
1810 - 1818	Sand
1818 - 1840	Shale
1840 - 1850	Sand
1850 - 1950	Shale
1950 - 2068	Big Lime
2068 - 2179	Big Injun
2179 - 2344	Shale
2344 - 2432	Weir
2432 - 2544	Shale
2544 - 2553	Sand
2553 - 2562	Shale
2562 - 2568	Sand
2568 - 2746	Shale
2746 - 2774	Berea
2774 - 2974	Shale
2974 - 3010	Gordon
3010 - 5090	Shale
5090 - 5101	Benson
5101 - 5280	Shale
T.D. = 5280	

(5721

FORM WW-2B

STATE OF WEST VIRGINIA PROPERTY DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1) Well 0	perator:_	Pennzoil	Products Con	mpany 3745	(0 (3) 61	\mathcal{O}
						levation: 992
			or Ga		Accountable with the second of	and the first that the state of
.•	(b)	If Gas:	Production Des	onX/Underg	round Stora	ge/ ow_X/
5) Propose	ed Target	Formatio	n(s):B	enson 435		
6) Propose	d Total	Depth:	5150	feet		
7) Approxi	mate fres	sh water	strata dep	ths: 278		
8) Approxi	mate sali	t water d	epths:	1300		
9) Approxi	mate coal	l seam de	pths:	696		
10) Does la	nd contai	in coal so	eams tribu	tary to act:	ive mine? Y	'es/ No_X_/
				ulate new well		
12)						
		CASIN	G AND TUB	ING PROGRAM		
TYPE	<u> </u>	PECIFICAT	CIONS	FOOTAGE IN	ITERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	8-5/8	H-40	20	750° -	750'	To surface
Coal						
ntermediate						
roduction	4-1/2	J-55	10.5	5150'	5150 '	50 Sks.
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iners						CEIVED
<u> ACKERS</u> : Kin	ACCURATION AND DESCRIPTION OF THE PARTY OF T					All 3 7
Siz Dep	es ths set				<u> </u>	7
12264	Fc	r Divisor	of Oil a	nd Gas Use (
1					amation Fund	. I WPCP
	* ************************************			1 1 2 2 3 6	···= c.vii runo	I_I WFCF

| Plat | | WW-9 | | WW-2B | | Bond Surely

Page 1 of 4	1)	Date: July 19, 1991
Form WW2-A		Operator's well number
(09/87)	_,	SILAS ASH NO. 19
	3)	API Well No: 47 3904
	37	Ctata County Danis
		T VIRGINIA
	במוא מה מה ביים	T VIRGINIA

	DEPARTMENT OF ENERGY, D	IVISION OF OIL AND GAS
	NOTICE AND APPLICATION	FOR A WELL WORK PERMIT 5) (a) Coal Operator: Name
		G_{0}
	Owner(s) to be served:	5) (a) Coal Operator:
(a) Name	Jennings I. Thompson	21 03 31 0
·Address	Rt. 2, Box 288-A	Address
	West Union, WV 26456	
(b) Name		(b) Coal Owner(s) with Declaration
Address		Name
		Address
(c) Name		nucl coo
\c/ name		Namo
Address -		Name
**************************************		Address
<i>-</i> .	M-11 TI 1 1	
6) Inspector	Mike Underwood	(c) Coal Lessee with Declaration
Address ₋	Rt. 2, Box 135	Name
***************************************	Salem, WV 26426	Address
Telephone	e (304)- <u>782-1043</u>	
	TO THE PERSON(S) NAMED A	BOVE TAKE NOTICE THAT:
7 7 7 7		
Included	is the lease or leases of	r other continuing contract or
contracts by	is the lease or leases o which I hold the right to	r other continuing contract or extract oil and gas OR
contracts by w	which I hold the right to	extract oil and gas OR
contracts by war included	which I hold the right to is the information requi	extract oil and gas <u>OR</u> red by Chapter 22B, Article 1,
Contracts by X Included Section 8(d)	which I hold the right to is the information require of the Code of West Virgi	extract oil and gas <u>OR</u> red by Chapter 22B, Article 1, nia (see page 2)
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