

DEPT. OF ENERGY ٠. الله الم

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

Well Operator's Report of Well Work

CLELLAND, PAUL R. Farm name:

Operator Well No.: CLELLAND #2

LOCATION:

Elevation: 905.00

Quadrangle: SHIRLEY

CENTERVILLE District:

CENTERVILLE County: TYLER 6210 Feet South of 39 Deg. 25Min. 0 Sec. 3960 Feet West of 80 Deg. 50 Min. 0 Sec. Latitude: 3960 Longitude

Company:ANVIL OIL CO., INC. 2099 PLEASANT VALLEY ROAD FAIRMONT, WV 26554-1230

Agent: JUSTIN L. HENDERSON

Inspector: GLEN P. ROBINSON Permit Issued: 03/26/90 1/25/91 Well work Commenced: Well work Completed: 1/30/91 Verbal Plugging Permission granted on: Rotary X Cable Total Depth (feet) Fresh water depths (ft) 475'.1406' Salt water depths (ft) 1800'

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

Casing &		 Used in 	Left 	Cement Fill Up
Tu	bing	Drilling	in We	ell Cu. Ft.
Si	ze		!	65sk ⁵
11	3/4	129'	129'	¢ TS
8	5/8	1099'	1099	cts 250sk ⁵ 295ft3
4=	12		4965 '	(1500) 235sk 3
	,	 	 	
			· ·	

OPEN FLOW DATA

Producing formation Benson	Pay zone depth $(ft)^{4878-82}$
Gas: Initial open flow 600 MCF/d Oil:	Initial open flow n/a Bbl/d
Final open flow? MCF/d	Final open flow n/a Bbl/d
Time of open flow between initial a	nd final tests Hours
Static rock Pressure 1550 psig (surfa	ce pressure) after 24 Hours
Second producing formation Riley (Comingle	ed) Pay zone depth (ft) 4498-4500
das: inicial open flow Mcr/d Off:	Initial oben flow RDI/d
Final open flowMCF/d	Final open flow Bbl/d
Time of open flow between initial a	
Static rock Pressurepsig (surfa	ce pressure) afterHours

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.

> For: ANVIL OIL CO., INC.

> > 1/18/9

By:

3 2 5 1091

Perf 4878-82 with 5 holes (.39) Perf 4498-4500 with 2 holes (.39) 4467-69 with 2 holes (.39)

Stimulate with 500 gal. HCL, 25,000# sand in 300 BBl fluid. Average Pressure 3105psi, average rate 20.9 BPM, average HHP 1599and 40 mscf $\rm N_2$

2) Red rock and shale	0-86'		
sand	86'-90'	H ₂ O at 475' and 1406	5
shale	90'-110'	۷	
sand	112'-130'	Gas at odor 3050'to	TD
sand and shale	130 '- 900'	Log tops	
shale and sand	900'-962'		
red rock and shale	962'-1050'	Little lime	1704-1750
sand and shale	1050'-1070'	Big lime	1808-1874
sand	1070'-1090'	Injun	1952-2020
sand and shale	1090 '- 1706	Weir	2188-2271
limestone	1706 '- 1755	Riley	4380 '- 4550
sand and shale	1755 - 1813	Benson	4850-4901'
limestone	1813–1896		
sand and shale	1896-1950		
sand	1950-1975		
sandand shale	1975–4900		
sand	4900-4920		
sand and shale	4920-5100		
TD	5100		

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OBUST OF	eracor			22) (00
					3) 1	Elevation:
4) -Well ty	pe: (a)	0i1_/	or Ga	s <u>X</u> /		
	(b)	If Gas:	Production Deep	n <u>X</u> / Underg: P/	cound Store Shall	age/ Low <u>X</u> /
5) Proposed	d Target	Formation	n(s):	Benson 42s		
6) Proposed	l Total D	epth:	5100	feet		
7) Approxim	nate fres	h water s	trata dep	ths: 130'		
8) Approxim	nate salt	water de	pths:	N/A		
9) Approxim	nate coal	seam dep	ths:	N/A		
		rk: Dr	rill & Stimu	late LewWe		Yes/ No_X_/
CYPE	s s	<u>PEČIFICAT</u>	IONS	FOOTAGE IN	TERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11-3/4"			120'	120'	стѕ
Fresh Water	8-5/8"			1780 '	1780'	By Rule 38 CSR 18-11.3
Coal						
<u>Intermediate</u>						
Production	4-1/2"			5100'	5100'	By Rule 38 CSR 18-11.1
Tubing						
Liners				·		
PACKERS : Kind						
	•		n of Oil a	nd Gas Use	Only amation Fu	nd WPCP Agent

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DIVISION OF OIL	& GAS
DEPARTMENT OF	ENERGY

1)	Date:	9-28-8	9
1)	Date:_	9-28-8	

2) Operator's well number

Clelland #2

API Well No: 47 - 095 - 1379 State - County - Permit

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

3)

	NOTICE AND APPLICATION F	OR A WELL WORK PERMIT
4.5		
4)	Surface Comer(s) to be served:	5) (a) Coal Operator:
	(a) Name Paul R. Clelland Address Rt. 9, Box 280 Fairmont, WV 26554	NameAddress
	Foirment LIV OFF	Address
	(h) Name	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name
	(c) Name	
	Address	·
		Name
		Address
6)	Inspector Glen P. Robinson	(c) Coal Lessee with Declaration
·	Address Route 1	Name
	Mineral Wells, WV 26150	Name
	Telephone (304)-	Address
	TO THE PERSON(S) NAMED ABO	OVE TAKE NOTICE THAT.
	Included is the lease or leases or	other continuing contract or
contr	aces by which I hold the right to e	extract oil and one op
	included is the intormation require	ed by Chapter 22B Article 1
Secti	.On o(d) Of the Code of West Virgin	13 (SAA DEGA 2)
	I Certity that as required under C	nantar 220 of the treet were
I hav	c served cobies of this notice and	Application a logation with an i
~ C C O II	panying documents pades I through	On the above named nartice bee
	Personal Service (Affidavit at	tached)
	Certified Mail (Postmarked pos	stal receipt attached)
	Publication (Notice of Publication	ation attached)
	~~~~~~~~~~~~~~~~~	
4	I have read and understand Chapter	22B and 38 CSR 11-18, and I agree
CO C11	e cerms and conditions of any nermi	t issued under this:
	* CETCITA MUMBE DEUGLEA OF Law that	· [ barra mamanalla.
	THE WILL LIE IIIIOIMALION SUDMITTEA	00 this
~~~~	imence, and that based on my indire	'U ot those islination
	Tor opearming the information	on, I believe that the information
	ary arearder, and complete.	
infor	I am aware that there are significa	nt penalties for submitting false
THEOL	macron, including the possibility of	of fine and imprisonment./
	well Operator _	Anvil Oil Co. Arc.
		Henderson Millownolin
	Its: Presiden	t. (/
	Address P.O. Box	1230
	Telephone (304)	363-1362 ⁴
Subsc		12 - 5 M200/1
	January School in Chila	day of <i>March</i> , 1990
	/ Tomesh L. I	mati) s
Му со	mmission expires	Notary Public
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