





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

Well Operator's Report of Well Work

Operator Well No.: STULL #1 STULL, CHARLES E. ETUX.

Quadrangle: PENNSBORO Elevation: 1100.00 LOCATION:

> MEADE District:

MEADE County: TYLER
2210 Feet South of 39 Deg. 25Min. 0 Sec.
6430 Feet West of 80 Deg. 55 Min. 0 Sec. Latitude: Longitude

Company: CHESTERFIELD ENERGY CORP.

203 WEST MAIN STREET

CLARKSBURG, WV 26301-0000

Agent: SAMUEL J. CANN

Inspector: GLEN P. ROBINSON 03/16/90 04/28/90 Permit Issued: Well work Commenced:

Well work Completed: 05/04/90

verbal Plugging

Permission granted on:

Rotary XX Cable

Total Depth (feet) 5352

Fresh water depths (ft) 5352

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N Coal Depths (ft): None

Casing & Tubing	Used in Drilling		Cement Fill Up Cu. Ft.
Size	 		
11 3/4	 	36'	
8 5/8		 1135'	335 sks
4 1/2		5296'	200 sks

OPEN FLOW DATA

Producing formation Benson	Pay zone depth (ft)5248'-5256'
C_{odd} Thitial open flow 0 MCF/d Ull	Initial open flow Bbl/d
ningland flow 004 MCF/C	Final open flow
mimo of open flow between initial	and final tests nouls
Static rock Pressure 1080 psig (sur	face pressure) after 48 Hours
Second producing formation	Pay zone depth (ft)
Gas: Initial open flow MCF/d Oil	: Initial open flow Bbl/d
Gas: Illicial open 110" MCF/d	
Gas. Initial open flow MCF/d	Final open flow Bbl/d
Final open flow MCF/d	Final open flow Bbl/d

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.

> Samuel J. Cann For: CHESTERFIELD ENERG

> > May 15, Date:

JUN 1 4 1990

Benson:

75 Quality Foam Frac 8,000# 80/100 Sand 45,000# 20/40 Sand 540,000 SCF Nitrogen

Drilling Info:

Dirt	0	• 150	3/4" stream water @ 109'
Sand & Shale	150	278	of 1 Soledin Natel 6 105
Red Rock	278	340	
Sand & Shale	340	800	
Red Rock	800	1035	
Sand & Shale	1035	1948	•
Big Lime	1948	2030	Gas Ck @ 2039' No Show
Injun	2030	2180	Gas Ck @ 2100' No Show
Sand & Shale	2180	2405	Gas Ck @ 2474' No Show
Weir	2405	2494	Gas Ck @ 3070' No Show
Shale	2494	2982	
Gordon	2982	3000	
Sand & Shale	3000	3532	
Balltown	3532	3587	
Shale	3587	4656	
Riley	4656	4700	
Shale	4700	5248	
Benson	5248	5256	
Shale	5256	5352	
		5552	
TD	5352		

GEOLOGICAL WELL RECORD DATA

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COMPANY NAME: Appalachian Energy Development Company

WELL NAME: Stull #1

PERMIT NO.: 47- 95-01377 F

FORMATION	TOP	BOTTOM	NOTES
Big Lime	1956	2078	
Big Injun Sand	2032	2180	
Weir Sand	2338	2490	
Berea Sand	2560	2564	
Gordon Sand	2866	2894	
Fifth Sand	2984	2990	
Warren Shale	3534	3584	

STIMULATION

Warren Sand 60 Q Foam 250 sack 20/40

Small Mouth Frac Plug @ 3060

Fifth Sand N2 Assist 250 sack 20/40

Large Month Frac Plug @ 2500

Weir Sand N2 Assist 250 sack 20/40

Solid Plug @ 4075 for Cement Squeeze

Cement Squeeze perforations at 4050. Cement calculations indicate cement should be squeezed back up to 1700 feet. Work done on January 28, 1995.

Bond Log showed actual cement top at 1710 feet

Former Cement top at 3254 feet.

For Divison of Oil and Gas Use Only

1 | WW-9 | WW-2B | | Bond dening

| Well Work Permit | | Reclamation Fund

(Type)

DEPARTMENT OF MERGY

| L | Agent

I_I WPCP

Sizes

 $\overline{\underline{v}}$ | Fee(s) paid:

Depths set

Page 1 of <u>7</u> Form WW2-A (09/87) File Copy



DIVISION OF O'L PLOAS 3)
DEPARTMENT OF LIVERGY

Date:	F	FRRIIA	RY 2	6.	1990			
Operator's well number								
-	ST	TULL N	0.1					
API W	Vell	No:	47	_	095	_	1377	
		Sta	te -	C	ounty	_	Permit	

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

		NOTICE AND APPLICATION	FOR A WELL	WORK PERMIT	
4)	Surface O	wner(s) to be served:	5) (a) Co	al Operator:	
- /		CHARLES E. STULL etux.		N/A	
		225 BENNETT DRIVE		WA	
		WEIRTON, WV 26062			
	(h) Name	WLINION, WV 20002	(b) Coal	Owner(s) with Dec	·laration
	Address		Name	N/A	
	Address _		Address	WA	
	(C) Name		_ MddICDD _		
	Address		Name		
			Address		
6)	Inspector	GLEN P. ROBINSON	(c) Coal	Lessee with Decla	ration
O ,	Address	DT 1 #6 MT DIFASANT FSTATI		N/A N/A	
	nddrebb _	RT. 1 #6 MT. PLEASANT ESTATI MINERALWELLS, WV 26150	_ Nddree	N/A	
		(304) - 489-2736	_ Address _		
	rerephone	(304) 403-2/30	* ***		
		TO THE PERSON(S) NAMED	ABOVE TAKE N	OTICE THAT.	
		TO THE LENGON (B) NAMED	MOVE IMAL I	COLLOS IIIII.	
	Included	is the lease or leases	or other cor	tinuing contract	or
cont		which I hold the right t			O1
XX	Included	is the information requ	ired by Char	oter 22B. Article	1
Sect	ion 8(d) c	of the Code of West Virg	rinia (see na	age 2)	- ,
		that as required under			rinia Code
T ha		copies of this notice a			
		locuments pages 1 through			
acco		sonal Service (Affidavit		above named pard	.ies,by.
		cified Mail (Postmarked		int attached)	
	Cerd	ication (Notice of Publ	postar rece.	ipt accached;	
	Publ	.icacion (Notice of Publ		icheu)	
	I have re	ead and understand Chapt	er 22P and 1	28 CCP 11-18 and	Tagroo
to t		and conditions of any pe			
	I certify	under penalty of law t	that I bave :	erconally evamine	.dcIOH.
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11120	Imacion,	Well Operato		TELD ENERGY CORP.	
		By:	11 LIGHT	LELD ENERGY CORP.	
			4	AND & CONTRACTS	
		Address		MAIN STREET	
		Add1633	CLARKSBU		
		Telephone	623 - 5467	NY 20001	
Subs	cribed and	sworn before me this		FEBRUARY	, 19 90
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