

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

Well Operator's Report of Well Work

Cil D Farm name: MATHENY, BARRY

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Operator Well No.: MATHENY #1

LOCATION: Elevation: 970.00 Quadrangle: OXFORD

District: SOUTHWEST

County: DODDRIDGE

Latitude: 750 Feet South of 39 Deg. 10Min. Sec. Longitude 1700 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: TERM ENERGY CORP.

713 EAST MAIN STREET

HARRISVILLE, WV 26362-0000

Agent: JEAN FREELAND

Inspector: MIKE UNDERWOOD

Permit Issued: 08/20/93
Well work Commenced: 08/26/93
Well work Completed: 09/15/93

Verbal Plugging

Permission granted on:
Rotary XX Cable Rig
Total Depth (feet) 5000' Fresh water depths (ft) 25'

Salt water depths (ft) None

Is coal being mined in area (Y/N)? N

Coal Depths (ft):

_					
	Casing	Used in	1	Cement Fill Up	
Contract Section	Tubing	Drilling	in Well		
	Size				
	11_3/4"	17.	0		
	<u>8 5/8"</u>	1066.30	1066.30'	277.3	
	4_1 <u>/2"</u> _	4714	 4714"	704.25	
				NAME OF THE PROPERTY OF THE PR	
	,	I	1	1	

OPEN FLOW DATA

Comingled Production Second producing formation Balltown, & Bradforday zone depth (ft)1954'-4201.5' Gas: Initial open flow 575 MCF/d Oil: Initial open flow 0 Bbl/d Final open flow 425 MCF/d Final open flow show Bbl/d Time of open flow between initial and final tests 24 Hours Static rock Pressure 950 psig (surface pressure) after 22 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.

For: TERM ENERGY CORP.

By: Jean Theland, Designated Date: 9-16-93

Agent

PERFORATED:	BENSON	4615		4616.5;	6	HOLES	.39
	BENSON STRAY	4532	_	4535;	6	HOLES	.39
	BRADFORD	4199		4201.5;	6	HOLES	.39
	BALLTOWN	3788		3790;	6	HOLES	.39
	GORDON	2351		2373;	8	HOLES	.39
	BEREA	2144	_	2144.5;	2	HOLES	.39
	WEIR	1954		1975 5.	8	HOLES	39

THREE STAGE ENGERGIZED WATER FRAC.

_	BENSON	&	MAX	TR	PRESS	2650;	AVG	RATE	25;	AVG	PRESS	2380;
	BENSON	STRAY	40,	000#	20/40); 5,00	00# 8	30/100); MA	X CC	NC 4;	TOTAL
			ACI	D 50	0 GAL;	ISIP	1350); 5 M	MIN S	IP 1	1080; 1	COTAL
			NIT	ROGE	IN 103	,800 S	CF; 7	LATO	FLUI	DS 5	49 BBI	JS.

- BRADFORD &	MAX TR PRESS 3590; AVG RATE 25.5; AVG PRESS 3060;
BALLTOWN:	27,700# 20/40; 5,000# 80/100; MAX CONC 3.5; TOTAL
	ACID 1250 GAL; ISIP 1800; 5 MIN SIP 1100; TOTAL
	NITROGEN 74,350 SCF; TOTAL FLUIDS 491 BBLS.

****	GORDON,	MAX TR PRESS 3450; AVG RATE 26.5; AVG PRESS 2960;
	BEREA, & WEIR:	40,000# 20/40; 5,000# 80/100; MAX CONC 3.5; TOTAL
	•	ACID 1250 GAL; ISIP 1900; 5 MIN SIP 1420; 10
		MIN SIP 1370; TOTAL NITROGEN 83,800 SCF; TOTAL
		FLUIDS 533 BBLS.

WELL LOG SAND, SHALE, & RR BIG LIME BIG INJUN SAND & SHALE	TOP 0 1644 1719 1802	BOTTOM 1644 1719 1802 5000	<u>WATER</u> 25' - 1 1/2" STREAM
GEOPHYSICAL LOG BIG LIME BIG INJUN WEIR BEREA GORDON GROUP WARREN SPEECHLY GROUP BALLTOWN BRADFORD BENSON STRAY BENSON LEOPOLD ALEXANDER	TOP 1658 1726 1942 2142 2295 3016 3136 3746 4166 4520 4610 4734 4860	2379 3122 3746 3882	

DF-429 DFT-439

FOR	RM: WW-2B	ນ ທີ່ ເພື່ອ ກ			017	4033 Page	eof
	MG 1 9	gg <u>DEPART</u>	MENT OF E	ORK PERMIT	VIRGINIA VISION OF OI APPLICATION tion 49/	IL AND GAS	08/20/93
17830				•	tion 7/1	Genes	08/20/95 vation: 970'
	Well typ	e: (a)	0il_/	or Gas	5 <u>X</u> /		
		(b)	If Gas:		n <u>x</u> / Undergi o/	round Storage Shallow	
5)	Proposed	Target :	Formation	n(s): <u>Alexan</u> o	der 434		
6)	Proposed	Total D	epth:	5300	feet		
7)	Approxim	ate fres	h water s	strata dept	hs: <u>130'</u>		
8)	Approxim	ate salt	water de	epths:	1430 *		
9)	Approxim	ate coal	seam dep	oths:	None	gyddygggyggggggggggggggggggggggggggggg	
10)	Does lan	d contai:	n coal se	eams tribut	ary to act	ive mine? Ye:	5/ No_ <u>x</u> /
11)	Proposed	Well Wo	rk: Dri	ill and stimu	ılate new well	1.	
12)							
			CASIN	IG AND TUBI	NG PROGRAM		
	_						
TYPE	<u> </u>	S:	PECIFICAT	CIONS	FOOTAGE II	NTERVALS	CEMENT
TYPE		Size	PECIFICAT Grade	Weight	FOOTAGE II For drilling	Left in well	Fill-up (cu. ft.)
	luctor	A Stationary of the Control of the C		Weight	For	Left in	Fill-up
Cond		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Cond	luctor sh Water	Size	Grade J-55	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.) O,KMJell
Cond Fres	luctor sh Water	Size	Grade J-55	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.) O,KMJell
Cond Fres Coal	luctor sh Water	Size	Grade J-55	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.) O,KMJell
Cond Fres Coal	luctor th Water ermediate	Size 11 3/4" 8 5/8"	Grade J-55 J-55	Weight per ft. 42# 20#	For drilling 17'	Left in well	Fill-up (cu. ft.) O,K MJerk (CTS) 38 CRAILS
Cond Fres Coal Inte	luctor th Water ermediate luction	Size 11 3/4" 8 5/8"	Grade J-55 J-55	Weight per ft. 42# 20#	For drilling 17'	Left in well	Fill-up (cu. ft.) O,K MJerk (CTS) 38 CRAILS
Cond Fres Coal Inte Prod Tubi	luctor th Water ermediate luction	Size 11 3/4" 8 5/8" 4 1/2"	Grade J-55 J-55	Weight per ft. 42# 20#	For drilling 17'	Left in well	Fill-up (cu. ft.) O,K MJerk (CTS) 38 CRAILS
Cond Fres Coal Inte Prod Tubi	luctor th Water ermediate luction ing ers KERS : Kin	Size 11 3/4" 8 5/8" 4 1/2"	Grade J-55 J-55	Weight per ft. 42# 20#	For drilling 17'	Left in well	Fill-up (cu. ft.) O,K MJerk (CTS) 38 CRAILS
Cond Fres Coal Inte Prod Tubi Line	luctor th Water ermediate luction ing ers KERS : Kin	Size 11 3/4" 8 5/8" 4 1/2" d.es_ ths set	Grade	Weight per ft. 42# 20# 11.6# 10.5#	For drilling 17' 1070'	Left in well 0 1070' 4949'	Fill-up (cu. ft.) O,K MJerk (CTS) 38 CRAILS
Cond Fres Coal Inte Prod Tubi	luctor sh Water ermediate luction ing ers KERS: Kin Siz Dep	Size 11 3/4" 8 5/8" 4 1/2" d.es ths set	Grade J-55 J-55 J-55	Weight per ft. 42# 20# 11.6# 10.5#	For drilling 17' 1070' 84' 4949*	Left in well 0 1070' 84' 4949'	Fill-up (cu. ft.) O,K MISELL CCTS BESTELLA 250 365/14//
Cond Fres Coal Inte Prod Tubi Line	luctor th Water ermediate luction ing ers KERS : Kin	Size 11 3/4" 8 5/8" 4 1/2" d.es ths set	Grade J-55 J-55 J-55 Or Diviso	Weight per ft. 42# 20# 11.6# 10.5#	For drilling 17' 1070' 84' 4949*	Left in well 0 1070' 4949'	Fill-up (cu. ft.) O,K MISELL CCTS BESTELLA 250 365/14//

	1 of	t. -	1)	Date: July 28, 1993 Operator's well number
	87)		2)	Matheny #1
		Over the second	3)	Matheny #1 API Well No: 47 - 017 - 4033
		STATE OF THE STATE	-,	State - County - Permit
		· · · · · · · ·		Journal County County
				VIRGINIA VISION OF OIL AND GAS
		NOTICE AND APPLICAT	CION F	OR A WELL WORK PERMIT
<i>a</i> \	O			
4)	Surrace O	wner(s) to be served		5) (a) Coal Operator:
	(d) Name	Barry Matheny		Name None
	waaress -	52 Stuart Circle		Address
	(b) Name	Hurricane, WV 25526		
	Address			(b) Coal Owner(s) with Declaration
				Name N/A
	(c) Name		****************	Address
	Address			Name
				Name Address
		-	***************************************	
6)	Inspector	Mike Underwood		(c) Coal Lessee with Declaration
	Address _	Kt. 2 Box 135		Name
		Salem, WV 26426		Address
	Telephone	(304) - 782-1043		
Sect: Sect: I hav	ion 8(d) o I certify ve served npanying d Pers _XX Cert	is the information r f the Code of West V that as required un copies of this notic ocuments pages 1 thr onal Service (Affida	equired in the control of the contro	napter 22B of the West Virginia Code application, a location plat, and on the above named parties, by: ttached)
famil attac respo	I certify liar with the chief with the chief with the chief of the chief of the chief with the c	nd conditions of any under penalty of la the information subm nd that based on my cobtaining the informate, and complete.	permi w that itted inquir rmatio	22B and 38 CSR 11-18, and I agree it issued under this application. I have personally examined and am on this application form and all by of those individuals immediately on, I believe that the information
	I am awar	e that there are sign	nifica	ant penalties for submitting false
intor	mation, i	ncluding the possibi	lity	of fine and imprisonment.
. *5 *		Well Oper	ator _	Term Energy Corporation
		By: Jean I	<u>Freelan</u>	d fran Delland
		Its: Design	<u>gnated</u>	Agent
		Address		
		Telephone	(3UV)	ille. WV 26362
Subsc	ribed and	sworn before me this	s 29	day of
M	<u> </u>	very cillur	wa	Notary Public
ay co	mmission e	expires	2-96	