

05-Apr-96 API # 47- 41-04280

Left

505

4324

Tubing | Drilling | in Well|Cu. Ft.

..., n 1 1996

State of West Virginia

Division of Environmental Protection

Permitting Office of Oil & Gas

Section of Oil and Gas

Well Operator's Report of Well Work

Casing | Used in

Farm name: KENNEDY, THOMAS C.

Operator Well No.: Cookman #1

LOCATION:

Elevation: 1,139.00 Quadrangle: BERLIN

District: HACKERS CREEK County: LEWIS

30

. 505

4324

Latitude: 6875 Feet South of 39 Deg. 7 Min. 30 Sec. Longitude 7075 Feet West of 80 Deg. 20 Min. Sec.

Size

11_3/4

8 5/8

4 1/2

Company: DOMINION APPALACHIAN DEVE

P. O. DRAWER R

JANE LEW, WV 26378-0000

Agent: JOHN T. HASKINS

Inspector: TIM BENNETT

Permit Issued: 04/12/96

Well work Commenced: 06/02/96

Well work Completed: 06/09/96

Verbal Plugging

N/APermission granted on:

Cable Ria Rotary X Total Depth (feet) 4338'

Fresh water depths (ft) 197.

Salt water depths (ft) N/A

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

OPEN FLOW DATA

Benson

Balltown - Bradford

4152-4160 3246-3478

Cement

PULLED

|130 SKS

| 590 SKS

Producing formation Warren - Speechley Pay zone depth (ft2570-2870 Gas: Initial open flow Tested MCF/d Oil: Initial open flow 0 Bbl/d Final open flow 267 MCF/d Final open flow 0 Bbl/d Time of open flow between initial and final tests Hours

psig (surface pressure) after 24 Static rock Pressure 450 Hours **2254-226**2 Bayard

Pay zone depth (ft) 2188-2200Second producing formation Fifth Sand Gas: Initial open flow 47 MCF/d Oil: Initial open flow 0 Final open flow * MCF/d Final open flow 0 Bbl/d Bb1/d Time of open flow between initial and final tests Hours

Static rock Pressure * psiq (surface pressure) after * Hours

* Commingled

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.

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For: DOMINION/APPALACHIAN DEVELOPMENT, INC.

Larry J. Cavallo, Senior Geologist

Date: 6/25/96

JUL 1 1 1996

5 S	TAGES Jelled	d Water/Fo	amFRAC		DATE 6/14	4/96
	ERFS	HOLES		BBL	вР :	ISIP.
enson	4152-41	60 17		534 35	500	1200
alltown-Bradf	ord 3246-34	78 10		277 18	380	800
arren-Speechl				332 23	300	870
ayard	2254-22			175 (foam) 37	700	1260
ifth Sand	2195-22	00 13		- 151 (foam) 30		1400
ORMATION	COLOR	HARD/SOFT	TOP	BOTTOM '	REMARKS	
			•	1.0	77 - 7 - 7.7 - 4	- O I
ILL			0	12	Hole Wet	08.
HITE SAND	WHITE	HARD	12	22	APP 1/2"	1501
AND & SHALE	BROWN	MED.	22	24	1/2" H2O	150'
HITE SAND	WHITE	HARD	24	58	1/4" H2O	170'
AND & SHALE	GRAY	MED.	58	109	_	
JAC	BLACK	SOFT -	→ 109 ←	115	-	
AND/SHALE/RR	GRAY/RED	MED.	115	410		
OAL	BLACK	SOFT	- 410 	416	•	
AND & SHALE	GRAY	MED.	416	445		
AND	WHITE	HARD	445	501		
AND & SHALE	GRAY	MED.	501	590		
AND	GRAY	HARD	590	725	HOLE DAMP	
					635' App	1/2"
AND & SHALE	GRAY	MED.	725	750		* - *
AND	GRAY	HARD	750	785		
AND & SHALE	GRAY	MED.	785	866		
R/SAND/SHALE		SOFT	866	1130		
AND & SHALE	GRAY/WHITE	MED.	1130	1261		
IME	GRAY	HARD	1261	1271		
HALE	GRAY	SOFT	1271	1310		
. LIME	GRAY	HARD	1310	1380		•
. INJUN	GRAY	HARD	1380	1483		•
AND & SHALE	GRAY	MED.	1483	1753	CK GAS @	1501 ¹
AND	GRAY	HARD	1753	1775		
AND & SHALE	GRAY	MED.	1775	1920		
R/SAND/SHALE			1920	2160		
AND & SHALE	GRAY/WHITE	MED.	2160	2260		
	GRAY GRAY	MED.	2260	2270		
AYARD	GRAY	SOFT	2277	2649	2338' 20/	10 - 1" W/W
HALE AND & SHALE	GRAY	MED.	2649	4145	$\frac{1}{3773}$ $\frac{1}{1}$.0 - 2" W/W
ENSON	GIGIT	11221	4145	4154		
			11 E 1	4170		
AND & SHALE	•		4154	. 41/0		
ENSON			4170			
		TD		43381		

041-4280

FORM W	W-SAP	27	1996
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		Z / 1330		re of wes	T VIRGINI	λ	•	
1866	Office	of Oil & Gas	THENT OF I	ENERGY. D ORK PERMI	IVISION O	FOIL AND TION	(17)	350 (T) 2°
2	Operato	r's Well	Number:	COOKMA	N #1		3) Elev	vation: 1139
	Well ty	•	Oil_/ If Gas:	Producti		erground	Upures	
5)	Proposed	i Target	Formation		425		SHATTOW	
6)	Proposed	l Total I	epth: 43	320'	feet		•	
7)	Approxim	mate free	sh water s	trata de	pths: 20	', 440'		
8)	Approxim	mate salt	water de	pths:		N/A		
9)	Approxim	ate coal	seam dep	ths:		230'		
10)	Does lan	d contai	n coal se	ams trib	utary to a	active m	ne? Yes	/ No_X/
11)	Proposed	Well Wo	rk: DRILI	AND STI	MULATE NE	W WELL		
12)			CYSIN	G AND TU	BING PROGI	RAM		
TYPE		S	PECIFICAT	IONS	FOOTAGE	E INTERVA	LS	CEMENT
		ł	Į i		1		1	•

		<u> </u>	io mo ropi	HANDONA ON	<i>:</i>	
TYPE	SPECIFICATIONS			FOOTAGE II	CEMENT	
•	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	11 3/4		27#	30	0	pulled
Fresh Water						
Coal					Ole .	38 CSR 18-11.3
I Atexmed Aake	8 5/8		20#	490	\mathcal{A}_{490}	38 CSR 18-11.2.2
roduction	4 1/2		9.5#	4280	4280	38CSR 18-11.1
Tubing						3
iners						
PACKERS : Kir	nd					
Siz	es					
Dep	oths set					

For Divison of Oil and Gan Use Only

Page 1 of	1)	Date:	MARCH 22.	1996	
Form WW2-A	2)	Operator	's well no	ımber	
(6/94)	2)	ADT Woll	MAN #1	1015	
FilRECEIVED	, <u>(, † '</u> 3) (1	API Well	No: 47 -		<u>4280</u>
WV Division of Environmental Protection			State	County	Permit
STATE OF WEST	VIRGINIA -	BUREAU OF	ENVIRONM	ENT	
MAR 27 1996 DIVISION	OF ENVIRONM	ENTAL PRO	TECTION		
Permitting	FICE OF OII	L AND GAS		i e e e e e e e e e e e e e e e e e e e	
Permitting Office of Oil & Gas NOTICE AND APP	O SERVICE GIALLY PLICATION FO	OR A WET.T.	WODK DEDI	∉ Tጥ	
Office of Office days and Control of Control					
4) Surface Owner(s) to be s	served:	5) (a) Co	oal Operat	cor:	oH
(a) Name <u>THOMAS KENNED</u>	Y • • ∴ ~~ €	Name	N/A >3	<u>Liki aktaoni is</u>	7.17
Address 227 CARR AVENU	JE	Address			
CLARKSBURG, W	V.26301	The second second		10.512	· · · · · · · · · · · · · · · · · · ·
(b) Name Address	-	(b) Coal	Owner(s)	with Decl	laration
Address		Address	AME AS SU.	RFACE 10 10	0 . 200)
(c) Name	· ·	Address	71 42	2 3 1 3 2 3 q	e T
Address		Name	2, 3	577300 2A	120. 3.10 3
				Jakasa 10	
		-			
6) Inspector TIM BENNETT Address 737 KARL STREI	300			ith Declar	ration
WESTON, WV 264		Name	N/A		
Telephone (304) - 269-616		Address			
2010phone (304) 209-618	<u>) /</u>				
Included is the lease contracts by which I hold the X Included is the informat 8(d) of the Code of West Virginian I certify that as required I have served copies of this	e right to e tion require ginia (see p red under C	extract of ed by Chap page 2) Thapter 22	il and gas oter 22, 1 of the W	s <u>OR</u> Article 6, Vest Virgi	Section
accompanying documents pages	1 through	on the	e above na	amed parti	les. by:
Personal Service (A	Affidavit at	ttached)			,1
X Certified Mail (Pos	tmarked pos	stal rece	ipt attacl	ned)	•
Publication (Notice	of Publica	ation atta	ached)		
I have read and understa	and Chantor	22-6 2-2	30 CCD 1	 1_10	l T mamaa
to the terms and conditions of	of anv perm	and it issued	under th	is applica	i i agree
I certify under penalty	of law tha	t I have	personall	v examine	ed and am
familiar with the information	on submitted	d on this	s applicat	tion form	and all
attachments, and that based	on my inqui	ry of the	se indivi	iduals imm	nediately
responsible for obtaining th	e informati	ion, I be	lieve tha	t the inf	formation
is true, accurate, and comple		ant man-	1+ica 6	ف ه ه ه ه سيا و رس	f-1
I am aware that there a information, including the po	ire signili Secibility (cant pena	Itles for	submitti	ng raise
Well	Operator	ΣΕ ΤΙΜΕ ΔΙ	APPATACH	Jiment. Tan Devet.	DEMENT. INC
By:		Jesten)		HN T. HASE	
Its			CE-PRESI		
Addı	ress	PO DRAWE	RR		
			, WV 26378	3	
Tele	ephone	(304) 88	84-7881		10.06
Subscribed and sworn before	ie citts <u>ZZNI</u>	uay or	MARCH		, 19 <u>_96</u>
Douther Julen				Nota	ry Public
My commission expires	MARCH 14, 20	000			