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, of Energy

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

JAN 2 3 91

Well Operator's Report of Well Work

THACKER, RALPH ETAL. Farm name:

Operator Well No.: DAC C & T #1

LOCATION:

Elevation: 1181.00

Quadrangle: WEST UNION

District: CENTERVILLE

RVILLE County: TYLER Feet South of 39 Deg. 20Min..0 Latitude: 1620 Longitude 5050 Feet West of 80 Deg. 50 Min. 0 Sec. Sec.

Company: DRILLING APPALACHIAN CORP

P. O. BOX 99 ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: MIKE UNDERWOOD Permit Issued:

11/21/90 12-1-90 Well work Commenced: Well work Completed: 12-8-90

Verbal Plugging

Permission granted on:
Rotary XX Cable
Total Depth (feet) 5190 Fresh water depths (ft) none

Salt water depths (ft) 2195

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

 Used in	 Left	 Cement
Drilling	İ	Fill Up Cu. Ft.
	i 	<u> </u>
35	32	 38csr11
1435	1421	260 sk
5190	5151	85 sks
	·	
	35 1435	Drilling in Well 35 32 1435 1421

OPEN FLOW DATA

Producing formation Benson Gas: Initial open flowsmell MCF/d Oil: Initial open flow 0 Bbl/d Final open flow 350 MCF/d Final open flow Bbl/d Time of open flow between initial and final tests 4 Hours Pay zone depth (ft)5050 Static rock Pressure 1485 psig (surface pressure) after 24 Second producing formation Riley

Gas: Initial open flow smell MCF/d Oil: Initial open flow 0 B Final open flow MCF/d Final open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests Bb1/d Hours Static rock Pressure _psig (surface pressure) after

Riley commingled with Benson

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: DRILLING APPALACHIAN CORP.

By: Kenny Mason Date: 1-5-91

Kenny Mason

Fracturing details as follows

Benson 5050-54 22 holes

50 sks 80/100 350 sks 20/40

453 bbls treared fluid 68,000 scf N2

Avg. rate = 14.3 Avg psi = 2653

Riley 4640-4677 14 holes

50 sks 80/100 250 sks 20/40

339 bbls treared fluid, 300 gal Hcl

Avg rate = 10.6 Avg psi = 2843

ISIF #1162

Dirt	0	15	Electric Log Tops
sd/sh	15	1465	Big Lime 2046
rr	1465	1475	Berea 2570
sd/sh	1475	2040	
Lime	2040	2130	Benson5050
sd	2130	2225 hole damp	
sh	2235	2810	
sd	2810	2820	
sh/sd	2820	5190 tđ	gas check at td smell

FORM WW-2B

STATE OF WEST VIRGINIA Exores 11/21/92

DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

WELL WORK PERMIT APPLICATION

			211	Const E DIGIT I	MEELICATIC	<u>IN</u>			
1)	Well Op	erator:_	DRILLIN	G APPALACHIA	N CORPORATION	14425 (11 670		
2)	Operato	r's Well	Number:_	DAC C&T #	1	3) E]	evation: 1181'		
4)	Well ty	pe: (a)	Oil <u>x</u> /	or Ga					
		(b)	If Gas:	Productio	n <u>X</u> / Underg	round Storag	re/		
5)	Deep/ Shallow_X/								
6)	Denson/Riley								
7)	$O(n)^{\prime}$								
8)	110 / AIO 1990								
9)									
10)	225 - 207' 600 - 601								
11) Proposed Well Work: Drill, stimulate, perforate new formation									
12)						4/	 10		
			CASIN	IG AND TUB	NG PROGRAM	NewWill	W.		
TYPE		<u>s</u>	PECIFICAT	CIONS	FOOTAGE IN	ITERVALS	CEMENT		
		Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up		
Condu	ctor			504 10	griiring	weii /	ACSPA113		
Fresh	Water	7"	H-40	17#	100'	100')	CTS		
Coal						77	7005810-H-2		
Inter	mediate	5-1/2"	J-55	14#	2040'	2040'	38CSR11.1		
Produc	ction	3-1/2"	J-55	9.2#	5200'	5200 🗸	- 38CSR11.1		
Zubino	7								
liners	5		İ						
ACKE			······································						
Sizes									
For Divison of Oil and Cas Use Only Pee(s) paid: Well Work Permit Reclamation Fund WPCP Plat WW-9 WW-2B Bond CType) Agent									

RECEIVE Page 1 of Date: November 5, 1990 1) NOV 20 1990 Form WW2-A 2) Operator's well number (09/87)DAC C&T #1 DEPT. OF ENERGY File Copy API Well No: 47 -3) 095 State - County - Permit STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS NOTICE AND APPLICATION FOR A WELL WORK PERMIT 4) Surface Owner(s) to be served: 5) (a) Coal Operator: (a) Name Ralph Thacker Name Address 2838 Canada Hill Rd. Address Myersville, MD 21773 (b) Name <u>J. Maurice Carlisle</u> (b) Coal Owner(s) with Declaration Address _%Ralph Thacker Name Address 2838 Canada Hill Rd. Address __ Name Address 6) InspectorMike Underwood (c) Coal Lessee with Declaration Address Route 2. Box 135 Name Salem, WV 26426 Address TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT: _ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2) I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through ___ on the above named parties, by: Personal Service (Affidavit attached) Certified Mail (Postmarked postal receipt attached) _ Publication (Notice of Publication attached) ------I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application. I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Well Operator __DRILLING APPALACHIAN CORPORATION Kenneth K By: OFFICIAL SEAL NOTARY PUBLIC Its: President STATE OF WEST VIRGINIA Address P. O. Box 99 J. L. MASON Alma, WV 26320-0099 P. C. Bex 48 Alma, West Virginia 28320
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Alma, West Virgini (304) 758-4638 November Notary Public 1/28/97 My commission expires