



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

Well Operator's Report of Well Work

Farm name: COSTILOW, CONRAD

Operator Well No.: NIC/DAVIS #1-A

LOCATION:

Elevation: 976.00

Quadrangle: WEST UNION

District:

District: CENTERVILLE County: TYLER
Latitude: 900 Feet South of 39 Deg. 22Min. 30 Sec.
Longitude 11050 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: DRILLING APPALACHIAN CORP P. O. BOX 99 ALMA, WV 26320-0099

Agent: KENNETH R. MASON

Inspector: GLEN P. ROBINSON Permit Issued: 07/11/90 Well work Commenced: Well work Completed: 7/19/90 7/23/90 Verbal Plugging Permission granted on: Rotary XX Cable
Total Depth (feet) 2/36
Fresh water depths (ft) Salt water depths (ft) 455;1693 Is coal being mined in area (Y/N)? N Coal Depths (ft):

1	Caain	1		
i	Casing &	Used in	Left	Cement
į	Tubing	Drilling	in Well	Fill Up Cu. Ft.
į	Size	!	 	
	95/8	175	175	65sks
	7	1830	/83ට	270365
-		 	<u>-</u>	
1-		, 1		[

OPEN FLOW DATA

Producing formation Big TwJoN

Gas: Initial open flow 682 MCF/d Oil: Initial open flow Bbl/d

Final open flow 492 MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests // Hours Static rock Pressure <u>/25</u> psig (surface pressure) after Second producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow

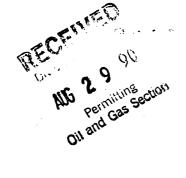
Time of open flow between initial and final tests ____psig (surface pressure) after

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.

Kenneth Hason Date: 8/27/90

SEP 6 1990



GEOLOGICAL WELL RECORD DATA

WELL NAME: Nichols/Davis #1A

PERMIT NUMBER: 47-095-1405

	TOP	BOTTOM	
SOIL BROKEN SAND SANDS AND SHALES BIG DUNKARD SAND 1ST SALT SAND	0 25 164 1320	25 164 1040 1410	salt water
2ND SALT SAND 3RD SALT SAND MAXON BIG LIME	1433 1532 1704 1790	1510 1641 1765 1810	
KEENER SAND BIG INJUN SAND TD	1830 1906 1948 2136	1902 1947 2032	SHOW GAS

Issued 7/11/90 095- 1405 Experis 7/16/92

FORM WW-2B

Page 3 of 5 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

				-	1.4			
1)	Well Op	erator:_	DRILLING	APPALACHIAN	CORPORATION			
2)	Operato	r's Well	Number:_	Nichols/Da	vis #l-A	3) E	levation: 976	
4)				or Ga				
		(b)	If Gas:	Productio Dee	n <u>X</u> / Underg P/	ground Storag Shallo	ge/ ow_X/	
5)	Propose	d Target	Formatio	n(s):Bi	g Injun 371		· ·	
6)	Propose	d Total I	Depth:	2200±	feet			
7)	Approximate fresh water strata depths: 90'							
8)	Approximate salt water depths:1500'							
9)								
10)							es / No X	_
11)	10) Does land contain coal seams tributary to active mine? Yes/ No_ $^{\rm X}$ / 11) Proposed Well Work: Drill, perforate, stimulate new formation							
12)			<u>CASIN</u>	G AND TUB	NG PROGRAM	NewW	W.	
TYPE		S	PECIFICAT	TIONS	FOOTAGE I	NTERVALS	CEMENT	•
417-	-1/9/9°	Size	Grade	Weight per ft.	For	Left in well	Fill-up (cu. ft.)	
Condu	ctor	16"			30"	0"	100.10.)	
Fresh	Water				n ide	1	4./	
Coal		09h	1 1	2024	Lever 10	9/1/90		
Inter	mediate	10	Hew	32-75	160'	160	38CSR18-11.2 38CSR18-11.3	
Produ	ction	7"		17#	1800'	1800'	38CSR18-11.1	
<u> Tubin</u>	g							
Liner	S							
PACKE	<u>RS</u> : Kin Siz					PEC	BUE	
		ths set				JUL JUL	1 0 1990	
29	Fac(s) n	/_	4				ENT OF ENERGY	
Plat WW-9 WW-2B (1) Bond MMALL MIN								

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	DECELVISIO	
Page	1 of5 JUL 10 1990 1)	Date:July 9, 1990
Form	WW2-A 30(10 1350 2)	Operator's well number
(09/	87) DIVISION OF OIL & GAS	Nichols/Davis #1-A
File	Copy DEPARTMENT OF ENERGY 3)	API Well No: 47 - 095 - 1405
		State - County - Permit
	STATE OF WEDDEPARTMENT OF ENERGY,	ST VIRGINIA 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 Conrad Costilow	
	Address 301½ Louise Avenue	Address
	West Union, WV 26456	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	
	(c) Name	
	Address	Name
		Address
6)	Inspector Glen Robinson	(c) Coal Lessee with Declaration
•	Address Rt l, #6 Mt. Pleasant	Name
	Mineral Wells, WV 26150	Address
	Telephone (304)	
	TO THE PERSON(S) NAMED	ABOVE TAKE NOTICE THAT:
	Included is the lease or leases	or other continuing contract or
cont	racts by which I hold the right to Included is the information requ	o extract oil and gas <u>OR</u>
Sect	ion 8(d) of the Code of West Virg	inia (see page 2)
	I certify that as required under	Chapter 22B of the West Virginia Cod
I ha	ve served copies of this notice a:	nd application, a location plat, and
acco	mpanying documents pages 1 through	h <u>5</u> on the above named parties, by:
	Personal Service (Affidavit	
:	Certified Mail (Postmarked publication (Notice of Publ	postal receipt attached)
	I have read and understand Chapt	er 22B and 38 CSR 11-18, and I agree
to t	he terms and conditions of any pe	rmit issued under this application.
fami	liar with the information submitts	hat I have personally examined and amed on this application form and all
atta	chments, and that based on my ing	uiry of those individuals immediately
resp	onsible for obtaining the informa	tion, I believe that the information
is t	rue, accurate, and complete.	
info	I am aware that there are signif	icant penalties for submitting false
11110	rmation, including the possibility Well Operator	y of fine and imprisonment. DRILLING APPALACHIAN CORPORATION
	By:	Kenneth K. Thank
	Its:	President
	Address	P. O. BOX 99
	Telenhone	ALMA, WV 26320 (304) 758-4638
Subs	cribed and sworn before me this	q_{+h} day of $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$ $(304)^{1}$

1/28/97

My commission expires

Notary Public