

WR-35 Division of Energy **Permitting** Oil and Gas Section

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

Well Operator's Report of Well Work

SCHELL, DELMER & EILEEN Operator Well No.: 21712-PI Farm name:

Elevation: 2683.00 Quadrangle: GREENLAND GAP LOCATION:

> County: GRANT District: UNION

Latitude: 900 Feet South of 39 Deg. 10Min. 0 Sec. Longitude 5200 Feet West of 79 Deg. 12 Min. 30 Sec.

Company: COLUMBIA NATURAL RESOURCES, INC.----| Casing | Used in | Left P. O. BOX 127X3 6070 CHARLESTON, WV 25XXXXXXXXX Tubing | Drilling | in Well | Cu. Ft. | 25362 Agent: JOSEPH E. CAMPBELL Size Inspector: PHILLIP TRACY well work Completed: 06/27/89

Well work Completed: 11/05/89 13-3/8" 84 Well work Completed: 12/04/89 Verbal Plugging _2640 2640 Permission granted on: ____ Rotary X Cable Rig
Total Depth (feet) 9134
Fresh water depths (ft) 5-1/2" 9097 9097___ Salt water depths (ft) Is coal being mined in area (Y/N)? N Coal Depths (ft):

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 8450-8670

Gas: Initial open flow 36 MCF/d Oil: Initial open flow Bbl/d

Final open flow 656 MCF/d Final open flow Bbl/d

Time of open flow between initial and final tests Hours Static rock Pressure 1910 psig (surface pressure) after 60 Hours Second producing formation Pay zone depth (ft)

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

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

Time of open flow between initial and final tests Hours Static rock Pressure ____psig (surface pressure) after ____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: COLUMBIA NATURAL RESOURCES, INC.

Joseph E. Campbell

By: Vice President, Drilling and Production Operation

Date: <u>June 19, 1990</u>

Well 21712

Scherr Brallier Harrell Tully Mahantango Upper Marcellus Purcell lower Marcellus Needmore Oriskany Helderberg	8324		7524 7698 7700 8124 8199 8261 8324 8450 8670
DTD	9134	-	1.0.

Fracturing - No acid used, 180,000# 20/40 sand, 15,700# 80/100 sand, 200 Bbl. 50/50 methanol, 100 Bbl. pad X-Link w/CO₂, flush 203 bbls. @ 5000 psi, avg. treating press. 4468 psi.



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Permitting
Oil and Gas Section

FORM WW-2B

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS WELL WORK PERMIT APPLICATION

1)	Well Ope	rator:	Columbi	a Natural Re	sources, Inc.	10460, 3	<u>, 383</u>
						•	vation: 2683'
4)	Well typ	e: (a) (Dil_/	or Gas	<u> </u>		
		(b)	If Gas:		u <u>X</u> / Undergi	ound Storage Shallow	
5)	Proposed	Target 1	Formation	o(s): 0r	iskany		
6)	Proposed	Total De	epth:	9150			
7)	Approxim	nate fresi	h water s	trata dept	:hs:	<i>6</i> '	
8)	Approxim	ate salt	water de	pths:			
9)	Approxim	ate coal	seam dep	oths:	No	one	
10)	Does lar	nd contain	n coal se	eams tribut	ary to act	ive mine? Ye	s/No_X/
11)	Proposed	Well Wo	rk: Dril	l Well .		New We	<u>N</u>
12)						, , , , , , , , , , , , , , , , , , , ,	
					NG PROGRAM		
TYPE		S:	PECIFICAT	CIONS	FOOTAGE II	NTERVALS	CEMENT
	- Company of the Comp	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Condu	ctor	13-3/8"	H	48#	40	40 ,	28
Fresh) Water						
Coal						7	3858(181/B
Inter	mediate	9-5/8"	J	36#	2650	2650 /	830
Produ	iction	5-1/2"	N	17#	9150	9150	305P18-111did
Tubin	19		NEUTRALION TO DAMAS (MANAGEMENT SALES SALE				3865R18-11.1
Liner	:s					l init	PERMIE
PACKERS: Kind							
PACKE							146.
PACKE	Sia	nd zes oths set				<u> </u>	UN 15 1989 2
PACKE	Sia	tes oths set	or Diviso	on of Oil a	and Gas Use	0-545	UN 15 1989 CAS TMENT OF ENERGY
PACKE	Sia	zes	Y 1	on of Oil a	111	0-545	ON OF OIL & GAS TMENT OF ENERGY

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DIVISION OF OIL & GAS 3
DEPARTMENT OF ENERGY

Date:_	May 16, 1989			
Operator's well number				
	21712-PI			
API We	No: 47 - 023 - 00022			
	State - County - Permit			

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

	MOTICE AND APPLICATION F	OR A WELL WORK PERMIT
4.3	Guntara Ormania (a.) A. A.	
4)	Surface Owner(s) to be served:	5) (a) Coal Operator:
	(a) Name <u>Delmer L. & Eileen S. Sche</u> ll	Name
	Address Box 5	Address
	Scherr, WV 26726	
	(b) Name	(b) Coal Owner(s) with Declaration
	Address	Name
		Address
	(c) Name	
	Address	Name
		Address
		,
6)	Inspector Phillip Tracy	(c) Coal Lessee with Declaration
	Address Route 2. Box 37-A	Name
	Montrose, WV 26283	Address
	Telephone (304)- <u>636-8798</u>	
	TO THE PERSON(S) NAMED ABO	OVE TAKE NOTICE THAT:
	Included is the lease or leases or	other continuing contract or
contr	acts by which I hold the right to	extract oil and gas OR
χ	Included is the information require	ed by Chapter 22B. Article 1
Secti	on 8(d) of the Code of West Virgin	ia (see page 2)
	I certify that as required under C	hapter 22B of the West Virginia Code
I hav	ve served copies of this notice and	application a location plat and
accon	mpanying documents pages 1 through	on the shows named nartice have
	Personal Service (Affidavit a	ttached)
	X Certified Mail (Postmarked pos	ctal receipt attached
	Publication (Notice of Publication	stion attached)
	rabited closs (notice of Pablica	acton accached)
	I have read and understand Chapter	22P and 20 CCP 11 10 7
to th	ne terms and conditions of any perm	it issued under this and I agree
	T certify under non-lity of law that	t I have personally examined and am
famil	iar with the information submitted	c i have personally examined and am
=++=	thmosts and that based as an in-	on this application form and all
racno	endence, and that based on my inqui	ry of those individuals immediately
ie +v	ensible for obtaining the informations, accurate, and complete.	on, I believe that the information
13 (1	T am aware that there are similar	
: n = 0 =	I am aware that there are signification	ant penalties for submitting false
IHLUL	mation, including the possibility of	of fine and imprisonment.
	Well Operator	Resources, Inc.
	FICIAL SEAL BY: Wice President	
5		P. O. Box 1273
	P O. BOX 1273	Charleston, WV 25325
CHAR MOTOR View	Telephone Tibed and sworn before me this 16	304/357-2000
Subsc	ribed and sworn before me this 16	day of <u>May</u> , 19 <i>89</i>
	\mathcal{A}	
	Stuphen V.	Amolde Notary Public
Му сс	mmission expires	. 1998
	\mathcal{I}	