









## DEPARTMENT OF MINES OIL AND GAS DIVISION /%

Pres. 112

## WELL RECORD

Company Atlantic Seaboard Corporation   Casing and Tubing   Left in Drilling   Left in						Oil or	
Location (waters) Salt Lick Creek   Size   Well No. 7419   Elev 1874.54   16.   7419   Elev 1874.54   16.   Nune   15.   16.   Nune   1	Address Terra Al	lta, W. Va.		Casing and Tubing	Drilling	Well	Packers
Well No.   7419   Elev 1874.54   15   13-3/8"48   441   441   None	Location (waters) Salt	Liels Chook	Acres 141				
District   Union   County   Preston   13-3/8"48#   441   441   None   The surface of tract is couned in fee by   25-5/8"32#************************************	Well No. 7419	TICK CLERK	- 1004 54				
The surface of tract is owned in fee by Address   Addr	District Union	C Dn	Elev.1874.54				Kind of Packer.
Address Mineral rights are owned by Archie M. Haught, Agt., et al 6%  R.F.D. 3 Address Waynesburg, Penna. 5 3/16  Drilling commenced June 10, 1963  Date Shot. From To Liners Used Perf. top.  With  Open Flow /10ths Water in. Inch Volume See reverse Ibs. has.  Oil billing completed Storage Ibs. has.  Oil billing completed Ibs. has.  Oil billing CEMENTED SIZE No. Ft.  COAL WAS ENCOUNTERED AT FEET INCHES F					# 4411	441	None
Mineral rights are owned by Archie M. Haught, Agt, etal R.F.D. 3 Address Naymesburg, Penna. 53/16.  Drilling commenced June 10, 1963 2 Perf. top. Drilling completed. June 30, 1963 2 Perf. bottom Date Shot. From To Liners Used Perf. bottom With.  Open Flow / 10ths Water in Inch	The surface of tract is own	ed in fee by			197	1971	Size of
Address Maynesburg, Penna 53/16  Drilling commenced June 10, 1963 2 Perf. top  Drilling completed June 30, 1963 2 Perf. bottom  Date Shot From To Liners Used Perf. top.  With Open Flow /10ths Water in  Inch / 10ths Merc.	Winds	Address		<b>XX.</b> 7" 23	# 45981	4598	
Address Maynesburg, Penna 53/16  Drilling commenced June 10, 1963 2 Perf. top  Drilling completed June 30, 1963 2 Perf. bottom  Date Shot From To Liners Used Perf. top.  With Open Flow /10ths Water in  Inch / 10ths Merc.	Mineral rights are owned b	y Archie M. H	aught, Agt., et	al 6%	<del></del>		Depth set
Drilling completed. June 30, 1963  Date Shot. From To Liners Used Perf. top.  With. Open Flow /10ths Water in Inch	Aleka Ve J	AddressWay	nesburg. Penn	<b>a.</b> 53/16		************************************	Section 1.19 When the supported their contract the contract to
Date Shot. From To Liners Used Perf. bottom Perf. top With Open Flow /10ths Water in Inch /10ths Merc. Inch /10	Drining commenced o	190	2	. 3			Perf. top
Date Shot From To Liners Used Perf. top Perf. bottom    Common	Drilling completed J	mie 30, 196	3	2	i	i	<b>7</b>
Open Flow /10ths Water in	Date Shot	From	Го	Liners Used	·		Perf. top
A comparison	W ICh						
Volume See reverse Cu. ft.  Rock Pressure Storage Ibs. Oil							Terr. bottom
Doll bbls, 1st 24 hrs. COAL WAS ENCOUNTERED AT FEET INC WELL ACIDIZED See reverse  FEET INCHES FEET INC WELL FRACTURED  RESULT AFTER TREATMENT See reverse ROCK PRESSURE AFTER TREATMENT Storage Fresh Water Feet Salt Water Feet  Formation Color Hard or Soft Top Bottom Oil, Gas or Water Depth Remarks  Litstone & Shale Litstone & 4035 4045 4542 Litstone & 4045 4542 4562 7667	Volume See reve	rse	Cu. Ft.	CASING CEMI	ENTED	SIZE	No. Ft
WELL ACIDIZED See reverse  WELL FRACTURED  RESULT AFTER TREATMENT See reverse  ROCK PRESSURE AFTER TREATMENT Storage  Fresh Water Feet Sait Water Feet  Formation Color Hard or Soft Top Bottom Oil, Gas or Water Depth Remarks  Litstone & Shale 4035 4045 4542 4562 7667	Oil		bblg 1st 24 k-				
	WELL ACIDIZED See r	everse	Dois., 1st 24 nrs.		•		
RESULT AFTER TREATMENT Storage  ROCK PRESSURE AFTER TREATMENT Storage  Fresh Water Feet Salt Water Feet  Formation Color Hard or Soft Top Bottom Oil, Gas or Water Depth Remarks  Litstone & Shale Litstone & 4035 4045 4542 Litstone & 4045 4542 Shale 4045 4542 4562 7667				FEE	INCE	LS	FEETINC
RESULT AFTER TREATMENT Storage  Fresh Water Feet Salt Water Feet  Formation Color Hard or Soft Top Bottom Oil, Gas or Water Depth Remarks  Litstone & O 4035 4045 4542 4562 7667	WELL FRACTURED			FEET	r inch	IES	FEETINC
Formation   Color   Hard or Soft   Top   Bottom   Oil, Gas or Water   Depth   Remarks	RESULT AFTER TREATM ROCK PRESSURE AFTER	TREATMENT	Storage				
Itstone &   Soft   O   4035   4542   4562   1667   106   107   1						<del>,</del>	
Shale 1		Soft	100	Bottom		Depth	Remarks
Shale 1	ltstone &	•	1		,	i .	
1 ly Lime     4035     4045     4547       1 tstone &     4045     4542     4542       Shale     4045     4542     4562       ondaga Lime     4542     4562     7667       ort     4562	Shale	1					1
Itstone &         Shale       4045       4542         endaga Lime       4542       4562         ert       4562			. 0	4035			
ondaga Lime 4542 4562 7667 ert 4562			•		4542	•	
1002	ltstone &		•				
1002	lly Lime ltstone & Shale		4035 4045	40 <b>4</b> 5 4542	1875		
4676	ltstone & Shale ondaga Lime		4035 4045 45 <b>42</b>	40 <b>4</b> 5 4542	1875		
	ltstone & Shale ondaga Lime ert		4035 4045 45 <b>42</b>	4542 4562	1875		
	ltstone & Shale ondaga Lime ert		4035 4045 45 <b>42</b>	4542 4562	1875		
	ltstone & Shale ondaga Lime		4035 4045 45 <b>42</b>	4542 4562	1875		
	ltstone & Shale ondaga Lime ert		4035 4045 45 <b>42</b>	4542 4562	1875		
	ltstone & Shale ondaga Lime ert		4035 4045 45 <b>42</b>	4542 4562	1875	\ .	



Formation		Color	Hard or Soft	Top 19	Bottom	Oil, Gas or Water	Depth Found	Remarks
		:	,			,	· · · · · · · · · · · · · · · · · · ·	
	77	Cement:						
		16 sacks	<b>6-10-63.</b>					c. Cemented
		375 saci	r/ft. n-40 ks neat cer ft. H-40	ment and 24	6 Ca Cl = (	6-14-63 - 1	Dowell.	3). Cemented
3		Cemente	40  sacks $9-5/8"$ 16	neat cemer	it and $2/6$	Ca Cl - 6-1	17-63 - Dot	rell.
		9-5/8" 6-23-63	tasing. Le	ft 197' (†	hreads on	9-5/8" c	sing in th	e well.
7		6-23-63 23#/ft.	J-55 casir	ig - 4598'	(threads	n) set 94	566' KB. '	wo stage
		Class A	cement tai	1ed w/170	gallons of	"Cealmen	t" (Latex (	Cement).
		w/20 sa	as regular	cement ar	d 2% Ca C	1. 6-24-6	3 - Dowell	,
Stimul			), Retarded	HOT Acid	5000 mg	15% Post	ilom HCl A	vid.
			ter overfl					
Produc		-		-	<u>, '</u>			
خر	ft	er Acid:	40,000 N 36,000 N in: 8-22-63	cf \$2350 p	sig (Back sig (Back	Pressure 1	lest) 7-19 lest) 8-23	9-63 8-63
·	THE	ii siiuc-	n: 8-22-06					e de la companya de
					· · · · · ·			port of the second seco
								•
		•		•	•			
						•		
	i				,	e e		
			1					
				•				
			•					
			·	-		•		

•	Date	<u> </u>	3 1963	, 19	
APPROVED		AILANTIC SEAL	BOARD CORP	ORATION Own	•
B▼.	Hon	ruffe	res D	Suph	_
	7	<b>/</b> (T	itle)		_

		ECENTED		
D 7 6 6	1 of 1	2.1.9	1)	Date: 07/28/92
Form	WW2-A	AUG 0 7	2)	Operator's well number
` /	Copy	,	3)	7419 API Well No: 47 - 077 - 00112 -FRAC State - County - Permit
		DEPARTMENT OF ENE	RGY, DI	VIRGINIA VISION OF OIL AND GAS
				OR A WELL WORK PERMIT
4)		wner(s) to be serv		
	Address	Carl B. Smith 4505 Boxwood Rd.		Name <u>none</u> Address
		Bethesda, MD 20816		
	(b) Name	*		(b) Coal Owner(s) with Declaration
	Address _			Name none
	( - ) N			Address
	(c) Name			Namo
	Address			NameAddress
	.,.,.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<del>-,</del>	Address
6)	Inspector	Phillip Tracy		(c) Coal Lessee with Declaration
	Address _	Route 2, Box 37A		Name none
		Montrose, WV 26283		Address
	Telephone	Route 2, Box 37A Montrose, WV 26283 (304) - 636-8798		
Sect I haacco	Included racts by wing Included ion 8(d) o I certify ve served mpanying d Pers Cert Publ I have refer terms a I certify	hich I hold the ri is the information f the Code of West that as required copies of this not ocuments pages 1 t onal Service (Affi ified Mail (Postma ication (Notice of ad and understand nd conditions of a under penalty of	ght to require under (cice and through davit a rked por Chapter any permital through law that the control of th	Chapter 22B of the West Virginia Code application, a location plat, and on the above named parties, by: attached)
				ry of those individuals immediately
resp	onsible fo	r obtaining the in	formati	on, I believe that the information
is t		ate, and complete.		
info				cant penalties for submitting false
ستنتنب		mall or	DILLEY	of fine and imprisonment. COLUMBIA GAS TRANSMISSION CORP.
II D	OFFICIAL SEA	· · · · · · · · · · · · · · · · · · ·	`	led.
	STATE OF WEST VI	RGINIA Its:	Dire	ctor, Drilling & Maintenance
cuit ]	MARY PARS	ONS } Address		. Box 1273
T. Jackson	2052 Lincoln Aver St. Albans, West Virgini	ia 25177 {		leston, WV 25325-1273
	my Commission Expires Oc	tu, 1994 { Telepho		357-2459
Subs	cribed and	~ <del>swo≤</del> n before me t	his 29	Hay of, 1992
			Mar.	And Aller of Notary Dublin
MV C	ommission	expires	y ares	Notary Public
,,, <u>,</u> ,	Ommi 23 I UII	CAPILOS	· room	
•				
	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			

077 112W Spuis 07/19/95 Expuis 07/19/97 Page 1 of 1

20829

Permitting STATE OF WEST VIRGINIA

Office of OFFICE OF OFFICE OF OFFICE OF OFFICE OF OFFICE O

				APPLICATION		_
) Well Oper	ator:	COLUMBIA	GAS TRANSMIS	SION CORP. \	0420 (1)	.37
1 1	's Well N					/874. evation: <u>1875</u>
Well type			or Gas	<u>X</u> /		
	(b) I	f Gas:	Production Deep		ound Storag Shallo	
) Proposed	Target F	ormation	(s):C	HERT-ORISKANY	(WORKOVER)	
) Proposed	Total De	pth: 4850	 	feet (DRIL	L DEEPER)	
) Approxim	ate fresh	water s	trata dept	hs: UNKNOWN (	EST. 250')	
) Approxim	ate salt	water de	pths: EST.	1106'		
) Approxim	ate coal	seam dep	ths: NON	Ε		
0) Does lan	d contain	coal se	ams tribut	ary to acti	ve mine? Y	es/ No_X
FLUSH J	Well Wor	k: KILL WE CEMENT; F	ELL; DRILL WI PERFORATE; A	ELL DEEPER THE CIDIZE/FRACTUE	ROUGH ORISKANY	; LOG; RUN 5-1/
2)		CASIN	G AND TUBI	NG PROGRAM		
YPE	SF	ECIFICAT	IONS	FOOTAGE IN	ITERVALS	CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
conductor	20	ROAD	CASING	32'	32'	16 SKS.
resh Water	13-3/8"	Н	48	448'	448'	40 SKS.
coal						30 SP 1811, 2
ntermediate	9-5/8"	Н	32	1288'	197'	40 SKS.
roduction	7"	J	23	4566'	4566'	785 SKS (TO S
ubing	2-3/8"	J	4.7		4776'	3 <b>9</b> CSR1811.1
iners	5-1/2"	K	15.5		610'	TO BE DETERMINED
ACKERS : Kir	nd NONE zes oths set					
)	F	or Diviso	on of Oil	and Gas Use		A
Fee(s) p	paid:	Well www	Work Permi	t III Rec Bond M	lamation Full (Type)	nd WPCE

Page	1	0	£
Form	WW	12	-A
(09/8	7)		
ile	Cc	p	У

RECEIVED WY Division of Environmental Protection
--

JUN 22 1995

Permitting
Office of Oil & Gas

1)	Date: 3/16/95	
2 \	One was to see I have been	

2) Operator's well number 7419

3) API Well No: 47 - 077- - 00112 State - County - Permit

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

## NOTICE AND APPLICATION FOR A WELL WORK PERMIT

Surface Owner(s) to be served:	5) (a) Coal Operator:
(a) Name CARL B. & CHUNG JA KIM SMITH	
Address 4505 BOXWOOD RD.	Address
BETHESDA, MD 20816	
(b) Name	(b) Coal Owner(s) with Declaration
Address	Name CARL B. & CHUNG JA KIM SMITH
	Address 4505 BOXWOOD RD.
(c) Name	BETHESDA, MD 20816
Address	Name
11002 000	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 A	BOVE TAKE NOTICE THAT:
Included is the lease or leases o	r other continuing contract or
contracts by which I hold the right to	
χ Included is the information requi	
Section 8(d) of the Code of West Virgi	
	Chapter 22B of the West Virginia Code
I have served copies of this notice an	
accompanying documents pages 1 through	on the above named parties, by:
Personal Service (Affidavit	attached)
χ Certified Mail (Postmarked p	ostal receipt attached)
<pre>Publication (Notice of Publi</pre>	cation attached)
I have read and understand Chapte	r 22B and 38 CSR 11-18, and I agree
to the terms and conditions of any per	mit issued under this application.
I certify under penalty of law th	at I have personally examined and am
familiar with the information submitte	
attachments, and that based on my inqu	
responsible for obtaining the informat	
is true, accurate, and complete.	
	cant penalties for submitting false
information, including the possibility	
Woll Operator	COLUMBIA GAS TRANSMISSION CORP.
	COLOMBIA AND MANAGEMENT CONT.
By: ///	MACED HELL CEDITORS
4	ANAGER - WELL SERVICES
O. SOA LOO - CT LOOK WY 25325 \$ Address P.	0. BOX 1273
Y -3% 335N Fitting 4 - 20 2001	HARLESTON, WV 25325-1273
relephone 30	\
subscribed and sworn before me this Z	04-357-3034
A -	
Thyeles is Smile	