# THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved drilling \_\_\_\_. This permit shall expire if

operations have not commenced by

MAR 17 1981

12-8-81 STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL & GAS DIVISION DEPT. OF MINES

peranons	Oil & Gas Division					DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION  OIL AND GAS WELL PERMIT APPLICATION  OIL AND GAS WELL PERMIT APPLICATION  TO THE DEPARTMENT OF MINES, Charleston, W. Va.  Coal, OII & Harry McMullan, III, Agent Gas Owner: P. O. Box 8  Washington, North Carolina 27889  Washington, North Carolina 27889  Surface Westvaco Owner: 203 Randolph Avenue Elkins, West Virginia 26241  Coal Lessee: International Coal Company Greenbrier Valley Building III Washington Street, East Lewisburg, West Virginia 24901  NOTIFIED: P. O. Box 345  AMAX Coal Company OS South Meridan Street Indianapolis, Indiana 46225  The undersigned well operator is entitled to drill upon the above named farm or tract of land for having fee title thereto, (or as the case my be) under grant or lease dated May I, 193  Harry McMullan, Jr., etal made to Columbia Gas Transmission and recorded on the 16th day of 1973, in Randolph County, Book 285  Page 408  The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal coperators have been notified as of the above afte.  The above named coal owners and/or operator are hereby notified that any objection they wish to required to make by Section 3 of the Code, must be reactived by, or filed with the Department of Mines at Charleston, Very truly yours,  PLEASE SUBMIT COPIES OF ALL  (Sign Name) ALLEGHENY LAND AND MINERAL COMP.  Address OFFICE OF OIL AND GAS  OFFICE OF OIL AND GAS	Union Orilling Coopany					
	OIL AI	ND GAS V	WELL F	PERM	IT APPLI	
			YEATON [			TED BETTH OF COMPLETED VELLS
0001 011 8	Hanny Mahiritan III A					The second secon
		genT				and I to the second sec
Gas Owner:	324110					
	washington, North Caro	711na 2/889		A STATE OF THE PARTY OF		NACONO OLIGINA TIME
Curtaca	Wastyana					ai itali
	con a real transport					OVICED CHA SUITA
Owner:	CIPEL - CASAS 10	26241			WILLIAM THE	
01 1	I-t					0.1
Coal Lessee:		the term of the contract of the form of the contract of the co	1000			3
			INSPECTOR	TO BE	Robert S. Stew	wart
	the state of the s					
					Jane Lew, Wes	t Virginia 26378
	the second state of	et	ADDRESS:			
			PHONE:	884-7782	2	
	Peri, Batton					
CENTLEMEN.						to a contract of the contract
			la 1 1 1		137	XI WIE FRESH WATER DECINS 1191.
						FLORES OUTCOME HAS STANKED
OIL and GAS DIVISION  OIL and GAS WELL PERMIT APPLICATION  OIL AND GAS WELL PERMIT APPLICATION  OIL AND GAS WELL PERMIT APPLICATION  OTHE DEPARTMENT OF MINES, Charleston, W. Ya.  DATE Merch. 12, 1981  ALLESHEW LAND AND MINERAL COMPANY  Company P. O. Drawer 1740  Address Clarksburg, West Virginia 26301  Farm Medullan Acres 9,757  Location (waters) Surgar Run  Acres 9,757  Location (waters) Surgar Run  Well No. A-1016  Elevation 29531  District Middle Fork County Randolph  Oundrangle Cassity 7,51  Oal Lesses: International Coal Company  Greenbrier Valley Building  119 Washington Street, East  Levisburg, West Virginia 24901  NOTIFIED: P. O. Box 345  Jane Lew, West Virginia 26378  MAX Coal Company  OS South Meridan Street  Indiangolis, Indiana 46225  PHONE: 884-7782  ENTLEMEN:  The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, aving fee title thereto, (or as the case my be) under grant or lease dated May 1, 1975 by Estate o  serry Medullan, Jr., etal made to Columbia Sas Transmission and recorded on the 16th day of August  OIL AND GAS WELL ORIGINALLY DRILLED SEPORE JUNE 5, 1969.  The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or perators have been nortified as of the above date.  The above named coal owners and/or operator are hereby nortified that any objection they wish to make, or are soulined to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.*  Copies of this notice and the enclosed plat were malled by registered mail, or delivered to the above named coal owners and/or operator are hereby nortified that any objection they wish to make, or are soulined to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within tall me Code 304 348-3092 348-3099  Address  of SECTION 3If no objections are filed or found by the Department of mines, within sald period of ten days cont the receipt of nortice						
					recorded on the	e 16th day of August
1973 , in _						
						FRACTURE OR STIMULATE
	OIL AND GAS WELL ORIG	INALLY DRILLED	BEFORE JUNE	5, 1969.		ILL DESPER OR REDRILL:
The enclo operators hav	osed plat was prepared we been notified as of	by a registered the above date.	engineer o	r license	ed land surveyor	and all coal owners and/or was a section
required to m	e named coal owners and, nake by Section 3 of the	or operator are Code, must be	e hereby no received b	y, or fil	ed with the Dep	partment of Mines within ten
operators or	coal owners at their al	bove shown resp	ective addr	ess	dda	before, or
toitito	ase. Inspector to be n		oitelamos V	erv trulv	VOIIES	
					.001	twenty-four (24) hours to gaves
	OIL and GAS DIVISION  OIL and GAS WELL PERMIT APPLICATION  DATE March 12, 1981  ALLEGHENY LAND AND MINERAL COMPANY  Coepany P. 0. 0 rawer 1740  Address Clarksburg, West Virginia 26301  Farm Mobilian Across 9,757  Location (waters) Surger Run  Mell No. A-1016  Elevation 2953¹  All Lessee: Internetional Coal Company Greenbrier Valley Building  119 Washington Street, East  Lewisburg, West Virginia 26241  Oundrangie Cassity 7,3¹  ANAX Coal Company  ADDRESS:  ADDRESS					
SEOPHISTORE E	1003 DIRECTLY TO:			sign Name	ALLEGHENT LAN	D AND MINERAL COMPANY
					BY: 1 Mile	1 B. MILLONOV
DEFICE OF OU	AND GAS	OIL AND GAS WELL PERMIT APPLICATION  MENT OF MINES, fron, W. Va.  DATE Merch 12, 1981  ALLEGHENY LAND AND MINERAL COMPANY  Company P. O. Drawer 1740  Address Clarksburg, West Virginia 26301  Farm MeMulian Acres 9,757  Location (Waters) Surgar Run  Mell No. A-1016  Elevation 29531  Jane Lew, Mest Virginia 26241  Quandrangle Cassity 7,51  ternational Coal Company  earbrier Valley Building  9 Washington Street, East INSPECTOR TO BE Robert S. Stewart  Wisburg, West Virginia 24901  NOTIFIED: P. O. Box 345  Jane Lew, West Virginia 26378  ACCOAL Company  ADDRESS:  South Merlidans Street  dianapolis, Indiana 46225  PHONE: 884-7782  Bane Lew, West Virginia 26378  ADDRESS:  County, Box 283  Page 408  EN WELL CRIGHALLY BRILLE DEFORE JUNE 5, 1969.  do Jist Location the vision of the above date  and olph County, Box 283  Page 408  REDRILL FRACTURE OR STIMULATE  IL AND GAS WELL ORIGHALLY BRILLE DEFORE JUNE 5, 1969.  do Jist was prepared by a registered angineer or Ileansed land surveyor and all coal owners and/or obern norified as of the above date.  and coal owners, and/or operator are hereby norified that any objection they wish to make, or are a by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten  Address  OR AS  Street, East  Well Operator  Pr. O. Box 1740  Clarksburg, West Virginia 26301				
1615 Washingt	on Street, East	Well			Daniel L. Whe	
Charleston, W	lest Virginia			DEPT. OF MINES  SAS DIVISION  PERMIT APPLICATION  DATE March 12, 1981  ALLEGHENY LAND AND MINERAL COMPANY  Company P. O. Drawer 1740  Address Clarksburg, West Virginia 26301  Farm McMullan Acres 9,757  Location (waters) Surgar Run  Well No. A-1016 Elevation 2953¹  District Middle Fork County Randelph  Quandrangle Cassity 7.5¹  OR TO BE Robert S. Stewart  P. O. Box 345  Jane Lew, West Virginia 26378  884-7782  In the above named farm or tract of land for oil and gas, and or lease dated May I, 1973 by Estate of the sistent of t		
Area Code 304	348-3092 348-3096				Clarksburg, W	
from the rece forthwith iss	3If no objections a pipt of notice and plat sue to the well operator	are filed or foo by the departme a permit reci-	und by the Dent of minesting the fi	Departments, to sailing of s	t of mines, wit d proposed loca uch plat, that e is approved a	hin said period of ten days tion, the department shall no objections have been made by nd the well operator autiorized
	BLANK	ET BOND			47	- 083 - 0439 PERMIT NUMBER
					In	

# THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO

XXX DRILL DEEPEN FRACTURE STIMULATE

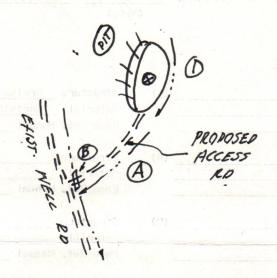
DRILLING CONTRACTOR: (If Known	1)	RESPONSIBLE AGENT:	
NAME: Union Drilling Compa	any	NAME: Alleghen	y Land and Mineral Company
ADDRESS: P. O. Drawer 40		ADDRESS: P. O. Dr	awer 1740
Buckhannon, West Vii	ginia 26201	Clarksbu	rg, West Virginia 26301
TELEPHONE: 304-472-4610		Telephone: 304-623-	6671 Sakin an Thantanga aut
ESTIMATED DEPTH OF COMPLETED WE	ELL: 5200'CI STOROGEN STAG		
		STORAGE	ADDISPOSAL & HILL AND STORE AND
		a 27389	Washing on, Worth Carolin
1820S oni-teval i	AINLA ALLIAN		coevteo! coer
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP
SIZE			C TO THE STATE OF
20 - 16	201	201	Cement to surface
9 - 5/8		V	at Lesses: International Coal Company
8 - 5/8	700'	7001	cement to surface
7	TO BE Robert S. Stewart	normani ta	119 Washington Street, Fa
5 1/2	P. O. Box 345	.24901 HOTIFIED:	Lewisburg, West Virginia
4 1/2	paiV teo52001 Jonel	52001	
3			Perf. Top
2 Liners	28/7=838	: 310051 - 5269	
Eniors			Perf. Bottom
ADDROVINATE SOSSIL MATER REPTILS	1101	CALT WATER	:MEMBUTI
		SALI WATER	The university and I sometiments
TO DIED AN TO CLA	and the second s		<del>On apple on the property of the colorest</del> (
IS COAL BEING MINED IN THE ARE	A? NO	BY WHOM?	The state of the s
SUBMIT FIVE (5) COPIES OF TO 1929, A PERMANENT COPY TO FRACTURE - STIMULATE: OIL AND/OR GAS WELL ORIGI BOND, PERMANENT PLAT AND OIL AND/OR GAS WELL ORIGI PERMIT NUMBER, AND PERFOR	OF THE PLAT AND THE ORIGINAL  NALLY DRILLED BEFORE JUNE 5, 1  ORIGINAL WELL RECORD.  NALLY DRILLED ON AND/OR AFTER  MANCE BOND.  Ied within ninety (90) days of	WELL RECORD MUST ALSO  929, FIVE (5) COPIES C	BE SUBMITTED. He made average and another to the person average of the length average of the length average of the length average of the person and the another the another the person and the another the person and the person are person are person and the person are person
	Sing Page) ALLECHENY LAND AND		MYSICAL LOSS DIRECTLY TO:
	74 74 74 14 14 14 14 14 14 14 14 14 14 14 14 14		
			to be issued with in ten days of
receipt thereof.	Paniel La. Maetor,	action of the permit is	rieston, West Virginia
Buckhannon, West Virginia 26201  Telephone: 304-472-4610  Telephone: 304-472-4610  Telephone: 304-472-4610  Telephone: 304-472-4610  Telephone: 304-427-66711  Telephone: 304-427-66711  Telephone: 304-427-66711  Telephone: 304-627-66711  Telephone: 304-6714  Telephone: 304-627-66711  Telephone: 304-6714  Telephone: 304-627-66711  Telephone: 304-627-66711  Telephone: 304-627-66711  Telephone: 304-627-66711  Telephone: 304-6714  Telephone			
this lease have exami	ned and place on our mine maps	s this proposed well lo	ocation. ora encircled on these MOLTONIC
The department of the	is, to said proposed location,	Thave no objections to	osaid well being drilled at this will
location, providing of the West Virgin	perator has complied with all	rules and regulations	in Articles 4, 5, 93/15/2024er
22 0, 1110 11031 Trigin			
SEMIN TIMARY -			TATIFICA
			one read and ynamod lood of clans
			Official Title

#### WELL SITE PLAN

Diversion
Spring
Wet Spot
Building
Drain Pipe
Waterway

03/15/2024

Sketch to include well location, existing access road, roads to be constructed, well site, drilling pits and necessary structures numbered or lettered to correspond with first part of this plan. Include all natural drainage.



COMMENTS: Slope of access road 8% -- Cuts to be on a 2:1 slope or less -- Access road subject to change by company or landowner -- All ditches and culverts will be maintained after consturction is completed -- Reclamation to be performed by Halls Reclamation, Inc.

Signature: P. O. Box 1740, Clarksburg, W. Va. 62

Agent Address Phone Number

Please request landowners cooperation to protect new seeding for one growing season.

Form IV-9 (01-80)

Cold



		For your Manuscrate	The same of the same of	56	E	V	S. Commence
Date March 16 Well No. A-1016	_	1981	43	APR	- 8	1981	(Sewell)
API No. 47 - 083 State County	- 4 / Pe	043 ermit	1	oil &	GAS	DIVISI	ON

DEPT. OF MINES

STATE OF WEST VIRGINIA OFFICE OF OIL AND GAS

This pla and addi Structur Spacing Page Ref Structur Spacing	e 623-6671	Halls Rec	Telephone Soil Cons.  Iamation, Inc.  Aut Vi 3-6(	May	(Agent)  All correction
Telephon Landownee Revegeta This pla and addi Structur Spacing Page Ref Structur Spacing	e 623-6671 r Westvaco  tion to be carried out by n has been reveiwed by tions become a part of this  ACCESS ROAD  e Drainage Ditch Earthen Manual 1-10	Halls Rec	Telephone Soil Cons.  Iamation, Inc.  A. C.	District Tygart Val  School Sc	(Agent)  All correction
Revegeta This pla and addi Structur Spacing Page Ref Structur Spacing	r Westvaco  tion to be carried out by  n has been reveiwed by tions become a part of this  ACCESS ROAD  e Drainage Ditch Earthen Manual 1-10	Halls Rec	Soil Cons.  Iamation, Inc.  A. V.  3-6(  Date)  Structure  Material	District Tygart Val	(Agent) All correction
Revegeta This pla and addi Structur Spacing Page Ref Structur Spacing	n has been reveiwed by tions become a part of this  ACCESS ROAD  Drainage Ditch Earthen Manual	Halls Rec	Structure	LOCATION  Drainage Ditch Earthen	(Agent) All correction
This pla and addi Structur Spacing Page Ref Structur Spacing	n has been reveiwed by	plan 1 (1)	Structure	LOCATION  Drainage Ditch  Earthen	All correction
Structur Spacing Page Ref Structur Spacing	ACCESS ROAD  The Drainage Ditch Earthen  Manual 1-10  The Culverts	plan 44-	Structure Material	LOCATION  Drainage Ditch Earthen	(1
Structur Spacing Page Ref Structur Spacing	ACCESS ROAD  The Drainage Ditch Earthen  Manual 1-10  The Culverts	plan 44-	Structure Material	LOCATION  Drainage Ditch Earthen	(1)
Structur Spacing Page Ref Structur Spacing	ACCESS ROAD  The Drainage Ditch Earthen The Manual 1-10  The Culverts	(A)	Structure Material	LOCATION  Drainage Ditch Earthen	(1
Spacing Page Ref Structur Spacing	Earthen  Manual I-10  Culverts	(A)	Structure Material	LOCATION  Drainage Ditch Earthen	(1
Spacing Page Ref Structur Spacing	Earthen  Manual I-10  Culverts		Material	Drainage Ditch	
Spacing Page Ref Structur Spacing	Earthen  Manual I-10  Culverts		Material	Drainage Ditch	
Spacing Page Ref Structur Spacing	Earthen  Manual 1-10  e Culverts		Material	Earthen	
Spacing Page Ref Structur Spacing	Earthen  Manual 1-10  e Culverts		Material	Earthen	
Page Ref Structur Spacing	e Culverts				
Structur Spacing	eCulverts		. 230 1101		
Spacing		(B)			
Spacing			Structure		t:
	IZ" MIDA LA UA		Madagetal		
Page Ref				Manual	
	• Manual 1-8		rage Ket.	Manual	
			01-		,.
	е				
Page Ref	• Manual		Page Ref.	Manual	
	TREATMENT AREA I			TREATMENT AREA I	L
	THE THE THE T			2	
Lime	2.5 J Tons/	acre	Lime	2.5	Tons/acre
ord	correct to pH 6.5		or cor	rect to pH 6.5	
Fertilia	zer 600 Ibs/a	acre	Fertilizer	600	Ibs/acre
	(10-20-20 or equivalent)			(10-20-20 or equival	ent)
Mulch S	Straw 2 lbs/a	cre	Mulch St	traw	2 lbs/acre
	entucky 31 Fescue 40 lbs/a			tucky 31 Fescue	40 lbs/acre
	irdsfoot Trefoil 10 lbs/a			dsfoot Trefoil	10 lbs/acre
В	ilusioni iletoti IU IDS/a	1010	DIL	1101011	

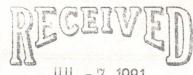
Elk Sand Shale			4973 5014	5014 5350 T.D.	
sycling Conb.	D.C.				Ousdrangle Cassity 7.5'
Well was Fractur Perforations	ed June 16: 2421' - 3644' -		holes holes		Permit No.47-083-0439
			bno poledS		Compan 'Hegheny Lead S Fineral Co.
Ou. 11. (Sks.)	lleV ai		puldeT		Address P. O. Dox 1740, Clurksharg.
			02.15	res 0,757	The state of the s
			01-05		Location (water) Sugar Run Well No. A-1016
		104	Cond.11 3/43		District Middle Fork County
			15-10"		The surface is owned in fee by Westv
W/225 sks to suris			8 5/0		Address 203 Randolph, Elkins, W.Va.
			31/2	late asitul	Money of his are owned by Parry Mc
4/179 sks 1600!	100,800	5125.261	4 1/2		Address . O. lox 8, West
					Drilling Completed June 7, 1981.
					Initial open flow 48,000 - cm.ff.
			Liners Used		Figat preduction 1750s cu.fl.por o
			Attach copy	-99 8008	Wall open 2 hrs haford test
			otal fluid tal fluid	of a buts tote	Well open 2 hrs haford test  Well treatmost desells:  Elk sand treated w/500 gal 155 HCL  Resear sand treated w/500 gat 15 HCL
			otal fluid tal fluid	76) bbis tota L 7 i bbis tota HCL 767 bbis	Well onen 2 hrs haford test  Well treatmost deleils:  Elk sand treated w/500 gal 15% HCL  Bensen sand treated w/500 gal 15% HCL  Calltown sand treated w/500 gal 15%
			otal fluid tal fluid	761 bbis fots L 71 bbis 1 MCL 767 bbis 0,516-500 E	Wall onen 2 hrs haford test  Wall treatmost doi:11s: Elk sand treated w/500 gal 15% HQL Benson sand treated w/500 gal 15% HQL Calltown sand treated w/500 gal 15% Calltown sand treated si 85-87,115-1
			otal fluid tal fluid	761 bbis tota L 71 bbis tota MCL 767 bbis 8,516-570 Feet	Wall onen 2 hrs haford test  Wall treatmost delails: Elk sand treated w/500 gal 15% HOL Benson sand treated w/500 gal 15% HOL Calltown sand treated w/500 gal 15% Calltown sand treated w/500 gal 15% Calltown sand treated al 83-87.115-16 Fresh water 781 8 1001
			otal fluid tal fluid	761 bbis tota L 71 bbis tota MCL 767 bbis 8,516-570 Feet	Wall onen 2 hrs haford test  Wall treatmost doi:11s: Elk sand treated w/500 gal 15% HQL Benson sand treated w/500 gal 15% HQL Calltown sand treated w/500 gal 15% Calltown sand treated si 85-87,115-1
			otal fluid tal fluid	761 bbis tota L 71 bbis tota MCL 767 bbis 8,516-570 Feet	Wall onen 2 hrs haford test  Wall treatmost delails: Elk sand treated w/500 gal 15% HOL Benson sand treated w/500 gal 15% HOL Calltown sand treated w/500 gal 15% Calltown sand treated w/500 gal 15% Calltown sand treated al 83-87.115-16 Fresh water 781 8 1001
		000# 20/49 60,000# 20 60,000# 8	fluid 60, dtal fluid total fluid	761 bbis fots L 71 bbis 1 MCL 767 bbis 8,516-570 F Feet	Wall does 2 hrs haford test  Wall treatmost doisils: Elk send freated w/500 gal 15% HOL Benson sand freated w/500 gal 15% HOL Calltown sand freated w/500 gal 15% Calltown sand freated at 83-87.115-12 Fresh water 781 & 1031 Producing Sand Elk, Penson & Ballfre
		000# 20/49 60,000# 20 60,000# 8	otal fluid tal fluid	761 bbis tota L 71 bbis tota MCL 767 bbis 8,516-570 Feet	Wall onen 2 hrs haford test  Wall treatmost delails: Elk sand treated w/500 gal 15% HOL Benson sand treated w/500 gal 15% HOL Calltown sand treated w/500 gal 15% Calltown sand treated w/500 gal 15% Calltown sand treated al 83-87.115-16 Fresh water 781 8 1001
		000# 20/46 60,000# 20 60,000# 50,000# 1 1/20#	biuit lath biuit lath piuit lator;  to	761 bbis fots L 71 bbis 1 MCL 767 bbis 8,516-570 F Feet	Wall onem 2 has haford test  Whill treatment doisils:  Elk sand freated w/500 gal 15% HOL  Benson sand freated w/500 gal 15% HOL  Calltown sand treated w/500 gal 15%.  Challtown sand treated at 83-87,115-16  Erost water 78% & 1000  Producing Sand Elk Fonson & Dallfa
		000# 20/46 60,000# 20 60,000# 50,000# 1 1/20#	fluid 60. chal fluid chal fluid chal fluid chal fluid chal floot	761 bbis tota L 71 bbis 1 NCL 707 bbis 8,516-500 F Feet Wn	Wall onem 2 has haford test  What treatmost doi: 15: Elk sand freated w/500 gal 15% HCL Benson sand freated w/500 gal 15% HCL Californ sand freated w/500 gal 15% Ell Californ sand freated w/500 gal 15% HCL Californ sand freated w/500 gal 15% HCL Californ sand freated w/500 gal 15% HCL Charles water 781 & 1001 Croducing Sand Elk Fonson & Californ
		000# 20/46 60,000# 20 60,000# 50,000# 1 1/20#	biuit lath biuit lath piuit lator;  to	761 bbis fors 1. 71 bbis fors 10. 767 bbis 18, \$16-570 F 10. 70	Wall dreatment details:  Elk sand freated w/500 gal 15% HCL Benson sand freated w/500 urb 15% HCL Califown sand freated w/500 urb 15% HCL Califown sand freated w/500 gal 15% HCL California was encountered at 63-87.115-16 Chash water 78% & 1000 Calor Hard or Solid Calor Hard or Solid Calor Hard or Solid Calor Hard or Solid Calor Solid Ca
		000# 20/46 60,000# 20 60,000# 50,000# 1 1/20#	fluid 60. chal fluid c	761 bbis tota L 71 bbis 1 NCL 707 bbis 8,516-500 F Feet Wn	Wall onem 2 has before test  Wall treatment details:  Elk sand freated w/500 gal 15% HCL  Benson sand freated w/500 gal 15% HCL  Californ sand freated w/500 gal 15% Elk  Challes and Elk Fenson & Californ Hard or Soft  Shale  Shale  Coal
e Pagaria.	Inche Inche Derte Derte Is or Votor	000# 20/06 60,000 20 60,000 20 60,000 20 8	tool notto	761 bbis foto MCL 707 bbis 1070 bbis	Wall ones 2 has before test  Wall treatment details:  Elk sand freated w/500 gal 15% HQL Benson sand freated w/500 gal 15% HQL Calltown sand freated w/500 gal 15% El Calltown sand freated w/500 gal 15% El Calltown sand freated at 83-87,115-16 Eresh water 781 8 1001 Producing Sand Elk Fenson & Tallfa Freating Sand Elk Fenson & Tallfa Sand Sand Sand Coal
*Renarks	1   1   1   1   1   1   1   1   1   1	60,000, 20/40 60,000, 20 60,000 1,1/2" 1 1,1/2" 1 1,1/2" 1 1,1/2" 1 1,1/2" 1	toal mottor  outdon Feet  toal matter  toal	761 bbis force 1 771 bbis force 1 767 bbis 1 769 forte 1 10 1 10 1 115 1 18 1 18	Well onem 2 has haford test  Whill treatment doisils:  Elk sand treated w/500 gal 15% HOL  Benson sand treated w/500 gal 15% HOL  Calltown sand treated w/500 gal 15% El  Calltown sand treated w/500 gal 15% El  Calltown sand treated at 83-87,115-L  Froducing sand Elk Fonson & Pallfor  Croducing Sand Elk Fonson & Pallfor  Sand  Sand  Coal  Sand & Shale  Coal  Sand & Shale
*Renarks	1 Inche 20/40   1 Inche 21/40   20/40	000# 20/46 60,000 20 60,000 20 1 1/2"	tool notto	761 bbis foto MCL 707 bbis 1070 bbis	Wall onem 2 has haford test  Whill troatmost doisils:  Elk sand treated w/500 gal 15% HOL  Benson sand treated w/500 gal 15% HOL  Calltown sand treated w/500 gal 15% El  Calltown sand treated w/500 gal 15% El  Challtown sand treated w/500 gal 15% El  Chal was encountered at 8%-87.115-b  Frost water 781 8 1001  Producing Sand Elk Fenson & Ballford Clar  Chal Sand & Shale  Chall Sand & Shale  Chall Sand & Shale  Chall Sand & Shale  Chall Sand & Shale
*Remarks works	1 Inche   1   1   1   1   1   1   1   1   1	000# 20/46 60,000 20 60,000 20 1 1/2" 11 1 1/2" 11	fluid 60. chal fluid chal fluid chal fluid cold cold cold cold cold cold cold col	761 bbls force 100 per	Well onem 2 has haford test  Whill treatment doisils:  Elk sand treated w/500 gal 15% HOL  Benson sand treated w/500 gal 15% HOL  Calltown sand treated w/500 gal 15% El  Calltown sand treated w/500 gal 15% El  Calltown sand treated at 83-87,115-L  Froducing sand Elk Fonson & Pallfor  Croducing Sand Elk Fonson & Pallfor  Sand  Sand  Coal  Sand & Shale  Coal  Sand & Shale
*Remarks " " " " " " " " " " " " " " " " " " "	1 Inche   1   1   1   1   1   1   1   1   1	000# 20/AS 60,000 20 60,000 20 1 1/2" 11 1/	10 biuit leot biuit leot biuit leot leot leot leot leot leot leot leo	761 bbis foto MCL 767 bbis 1000 Peet Peet Peet Peet Peet Peet Peet P	Well onen 2 hrs haford test  Whill treatment doisils:  Elk sand treated w/500 gal 15% HOL Benson sand treated w/500 gal 15% HOL Calltown sand treated w/500 gal 15% El Challtown sand treated at 83-87,115-14 Erost water 781 8 1001 Producing Sand Elk Penson & Tallfa Frontation Celor Hard or Sont Sand Coal Sand & Shale Coal Sand & Shale Sand Shale Sand Shale Little Sand Shale
A Scanories	1 Inche   1   1   1   1   1   1   1   1   1	60,000,20 60,000,20 60,000,20 60,000,20 1,1/2,1/2,1/2,1/2,1/2,1/2,1/2,1/2,1/2,1/	fluid 60. chal fluid chal fluid chal fluid cold cold cold cold cold cold cold col	761 bbls force 100 per	Well ones 2 hrs haford test  Whill treatment doisils: Elk sand treated w/500 gal 15% HOL Benson sand treated w/500 gal 15% HOL Calltown sand treated w/500 gal 15% El Calltown sand treated at 83-87,115-1 Chal was encountered at 83-87,115-1 Fresh water 78' 8 100' Croducing Sand Elk Penson & Pallfo Producing Sand Elk Penson & Pallfo Sand Sand Sand Sand Sand Sand Sand Sand
show.  *Bally	1 Inche   1   1   1   1   1   1   1   1   1	60,000,20 60,000,20 60,000,20 60,000,20 1,1/2,1/2,1/2,1/2,1/2,1/2,1/2,1/2,1/2,1/	10 biuit 60 biuit 10	761 bbis foto MCL 767 bbis 100 mm Feet 9 mm 100 mm 115 mm 118 mm	Well ones 2 hrs haford test  Well treatmost doisils: Elk sand freated w/500 gal 15% HOL Benson sand freated w/500 gal 15% HOL Calltown sand freated w/500 gal 15% El Calltown sand freated at 83-87,115-14 Fresh water 781 & 1001 Producing Sand Elk Penson & Tallfa Fresh water 781 & 1001 Producing Sand Elk Penson & Tallfa Sand Sand Sand Sand Sand Shale Sand Sand Shale Sand Sand Shale L. Lin Sand Shale

ROVED Owner

Vice President Oil & Gas Productions



# DEPARTMENT OF MINES



OIL & GAS DIVISION

# OIL and GAS DIVISION DEPT. OF MINES WELL RECORD

				Ro	tary XX	011
0 - 1 - 0 - 0 - 1 - 7 - 5 !					ble	Gas XX
Quadrangle Cassity 7.5'				Re	ecycling	Comb.
Permit No.47-083-0439				Wa	terFlood	Storage
Fermi 1 10047 003 0433		hothud[[]bi		Di	sposal	
		aelod	24261 18			(Kind)
Company Allegheny Land & Mineral C	0.	Casing and		Left	Cement f	

Address P. O. Box 1740, Clarksburg, W.Va. 26301	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (water) Sugar Run Well No. A-1016 Elev. 2953'	Size 20-16 Cond.11 3/4	201	Pulled	
The surface is owned in fee by Westvaco	9 5/8	0411	841'	w/225 sks.to surface
Address 203 Randolph, Elkins, W.Va.  Mineral rights are owned by Harry McMullan etal  Address P.O.Box 8, Washington, NC	8 5/8 7 5 1/2	8411		
Drilling Commenced June 1, 1981  Drilling Completed June 7, 1981  Initial open flow 48,000 cu.ft. bbls.	4 1/2 3 2	5125.261	5125.261	w/570 sks 1600'
Final production 1750M cu.ft.per day bbls. Well open 2 hrs before test 800# RP.	Liners Used			9

d treated w/500 gal 15% HO	Attach copy of cementing record.  761 bbls total fluid 60,000# 20/40  CL 741 bbls total fluid 60,000# 20/40  HCL 767 bbls total fluid 60,000# 20/40
balliowii sand Treated ",7555 g	

	Inches	
Coal was encountered at 83-87,115-118,516-520 Feet Feet Feet	Salt water	Feet
Producing Sand Elk, Benson & Balltown	Dep th	

		The second secon	
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water *Remarks
Clay Shale Sand Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale L. Lime Sand & Shale B. Lime B. Injun Sand & Shale 4th Sand Sand & Shale Balltown Sand Sand & Shale Benson Sand	0 10 19 83 87 115 118 516 520 1067 1085 1220 1355 1400 2092 2110 2416 2428 3640 3655	10 19 83 87 115 118 516 520 1067 1085 1220 1355 1400 2092 2110 2416 2428 3640 3655 4973	1 1/2" H <sub>2</sub> 0 @ 78' 1/2" H <sub>2</sub> 0 @ 190'  Gas ck. @ 1134 no show " " " 1320 " " " " 1633 " " " " 2037 " " " " 2132 13,140CF " " 2820 8,870CF " " 3412 84MCF " " 3978 84MCF " " 4539 84MCF " " 4758 51,900CF " " 5009 84MCF " " 5103 84MCF " " 5350 62,000CF

### DEPARTMENT OF MINES OIL AND GAS WELLS DIVISION

# INSPECTOR'S WELL REPORT

Permit No. 08 3-0 10 1		AND A SECURE OF THE PROPERTY OF THE SECURE OF THE SECURE	K (N.C.)		MATERIA DE L'ANCIDENCE DE SANCIONA.
Company Alle Cotteny LAND & Min	CASING AND	USED IN	Leftin	PACKERS	
Address CLARKS BURG	Size				9
FARTHARRY MC Mullen	16			Kind of Packer.	
Well No A-1016	13		3651	WITTEN.	
District MIDDE FORK COUNTY RANDOLPH	814	1 2 1	1056		
Drilling commenced 6-1-8/	5 3/16		JUN-4	1981	
Drilling completedTotal depth	3		OIL & GAS	DIVISION	
Date shotDepth of shot	2			FPMINES	
Initial open flow/10ths Water inInch	Liners Used			_ Park to m _	
Open flow after tubing/10ths Mcrc. in Inch					
VoluneCu Ft.				No FT	Date
Rock pressurebrsbrs.	NAME OF SER	VICE COMPA	ANI		
oilbbls., 1st 21 hrs.	COAL WAS EN	COUNTEREL	AT	_FEET	_INCHES
Fresh waterfeetfeet	FEET_	INC	HES	_FEET	_INCHES
Salt water feet feet	FEET_	INC	HES	FEFT	_INCHES
Drillers' Names UNION R.6 -	9				
Move RiG SPU	D				

Robert Stemart

Oil or Gas Well GAS.

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

## INSPECTOR'S PLUGGING REPORT

rmit No			ADDDECT				
MPANY	Control of the Contro		ADDRESS		o a see a commen	e*	
RM	* 3 3	DISTRICT_	(	OUNTY			
FALL CRESSESSES A POSSIBLE PROGRAM OF HER A MARKET AND A							
ling Material Used		and the second s		A CONTRACTOR OF THE PARTY OF TH	235	43/77	
	The second secon	Amount	Packer	Location			
ner Loc	ation	Amount					
PLUGE USED AND DEPTH PLACED			BRIDGES		AND TUE		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION LUCATION	RECOVERED	SIZE	LOST	
Materials (Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.	ryggganthrofibir i o'i sa gandara gardanhalag gair sattara birina a ribara a sattara birina a ribara a sattara		make maket all	The same of the sa			
not a some time experience and experience are not as a some of the contract of the contract and according to the contract of t		AND THE PROPERTY OF THE PROPER	The state of the s	1			
			The second section of the second section of the second section is a second second section of the second section second				
a milata kapatu kara masa talagas kata da kata da sakanan ata na patamagan na panangan nagan nagan nagan nagan papang	den Construction and Assessment Construction of The Construction of Constructi						
- wearness gift \$150 Mills as an analysis group as an annual response to the contraction of the contraction			Management of Passing an interesting private a small of a similar shape of an interesting			dan	
				1 4 1 1 1 1 1 1 1			
mader to me, yes, and another production of the second second second second second second second second second	2						
the same of the sa		-					
				34-1-78			
		1	gaterians agent (1, 16 g) i con programmy region :				
			The second secon				
					-		
		1			1		
model of the collection of the							
rillers' Names							
		-					
Remarks:							
	hereby certify	I vi med the co	e well on this date				
DATE							
					03/15/	I INSPE	

#### STATE OF WEST VIRGINIA

### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

# RECEIVED

AUG - 4 1982

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

### INSPECTOR'S WELL REPORT

Permit No. 083-0439			Oil oi	Gas Well A
Company Alle 6 Hery LAND & Min	CASING AND TUBING	USED IN DRILLING	LE T IN	PACKERS
Address C/ARKSBURG	Size	e e e e e e e e e e e e e e e e e e e		
Farm H- MC MULLAN III	16			Kind of Packer
Well No. A-10/6	13			and the second second
District MODIO FORK County RANDO (PH	81/4		> 3	Size of
Drilling commenced	65/8			Depth set
	5 3/16		A	
Drilling completedTotal depth	3			Perf. top
Date shotDepth of shot	2			Perf. bottom
Initial open flow/10ths Water inInch	Liners Used			Perf. top
Open flow after tubing/10ths Merc. inInch				Perf. bottom
VoluaeCu. Ft.	CASING CEMEN	NTED	SIZE	No. FTDate
lock pressurelbshrs.	NAME OF SER	VICE COMPA	NY	
Dilbbls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEETINCHES
Fresh waterfeetfeet	FEET_	INCH	ES	FEETINCHES
Salt water feet feet	FEET_	INCH	ES	FEETINCHES
Drillers' Names				
Remarks:  No. 1. To Relevant	45e			

8-2-82

Robert Sterograsion WELL INSPECTOR

#### STATE OF WEST VIRGINIA

#### DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

### INSPECTOR'S PLUGGING REPORT

			ADDRESS				
ARM		DISTRICT.	C	OUNTY			
illing Material Used	ntari incoma ani di Sila vilino dani asali igano di manganing garapan da apatul	general selectivate, selectivate september proprietativa selectivate selectivate proprietativa selectivate selecti		and the grammer are supported by the supp	CHANGE AND ADMINISTRATION OF THE	gar gerae	
iner Loc	eation	Amount	Packer	Location			
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	TUBING	
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOS	
			And the second s				
						p production of	
						1	
						3 11 1	
						A 1,00	
		F (7					
** । । । । । । । । । । । । । । । । । ।							
illers' Names		The state of the s			-		
marks:							
marks:							
DATE	I hereby certify I v	risited the abov	e well on this date.				

DISTRICT WELL INSPECTOR



### State of Mest Virginia

Department of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

THEODORE M. STREIT ADMINISTRATOR

August 12, 1982

Allegheny Land & Mineral Company P. O. Drawer 1740 Clarksburg, W. Va. 26301

Dear Sir:

The required records and reports have been received in this office and the District Inspectors have submitted Final Inspections for the following wells listed below:

PERMIT NO.

FARM AND WELL NUMBER

DISTRICT

Middle Fork

RAN-0439

-0439

UPS-2341

Harry McMullen, #A-1016

Martin W. Zickefoose, #A-1106

Meade

In accordance with Chapter 22, Article 4, Section 2, the bond coverage for above captioned wells will stay in force for life of well. Reclamation requirements have been approved.

Very truly yours,

Theodore M. Streit

TMS:rl

FERC-121

1.0 API well number: (If not available, leave blank, 14 digits.)  2.0 Type of determination being sought: (Use the codes found on the front of this form.)  3.0 Depth of the deepest completion	IVISION MINES		
(Use the codes found on the front of this form.)  Section of NGPA  N/A  Category Code  3.0 Depth of the deepest completion	M.NES		
or 107 in 2.0 above.)  53 50 TO feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)  Allegheny Land & Mineral Co.  Name P.O. Drawer 1740  Street Clarksburg, W W.Va. 26301  City State Zip Code	O00333 Seller Code		
5.0 Location of this well: [Complete (a) or (b).]  (a) For onshore wells (35 letters maximum for field name.)  County  State			
(b) For OCS wells:  N/A  Area Name  Date of Lease:  Mo. Day Yr.  OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)  A - 1016	A - 1016		
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters ## Benson - Balltown)	Elk - Benson - Balltown		
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)  Columbia Gas Transmission Corp.  Name			
(b) Date of the contract:  MA  Mo. Day Yr.	Mo. Day Yr.		
(c) Estimated annual production:  N/A MMcf.	<i>N   A</i> MMcf.		
(a) Base Price (b) Tax (c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)		
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)  2.476  2.477  0.247	2.270		
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)  2.476  2.475  2.475	2.970		
9.0 Person responsible for this application:  Agency Use Only  Date Received by Juris. Agency  Date Received by FERC  Date Received by FERC  7-6-81  Date Application is Completed  Phone Number	.Land Dept.		

4883

FT7900206/2-2

PARTICIPANTS: DATE: AUG 11 1981	
PARTICIPANTS: DATE:	BUYER-SELLER CO
WELL OPERATOR: Allegheny Land + Mineral Ca	000333
FIRST PURCHASER: Columbia Gas Trans Corp.	004036
OTHER:	
W. Va. Department of Mines, Oil & Gas Division No. Land Company	0 00
WELL DETERMINATION FILE NUMBER  WELL DETERMINATION FILE NUMBER	Culations
8/0707 -163-083-0439 Devalifies 12/	
Use Above File Number on all Communications	'ey
Relating to Determination of this Well	
CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING	
1. FERC -121 / Items not completed - Line No.	
Samer D. Gene	The state of the s
3. IV-2 Well Permit	in a contract of the contract
4. IV-6 Well Plat	
5. IV-35 Well Record Drilling Deepeni	ng
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced?	Ratio
7. IV-39 Annual Production years	
8. IV-40 90 day Production Days off line:	
9. IV-48 Application for certification. Complete?	
10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? A	
18-28. Other: Survey Logs Geological Charts	and the second s
Structure Map 1: 4000 Map Well Ta	abulations
(5) Date commenced: 6 -1 - 8 Date completed 6 -7 - 8 Deepe	ened
(5) Production Depth: 4988-97, 3644-52, 2421-26	The second second second
(5) Production Formation: Elk, Benson, Baltown .	
(5) Final Open Flow: 1750mcf	
(5) After Frac. R. P. 900# 2 hrs.	
(6) Other Gas Test:	
(7) Avg. Daily Gas from Annual Production:	200 La
(8) Avg. Daily Gas from 90-day ending w/1-120 days	
(8) Line Pressure:	
(5) Oil Production: From Completion Report	SIG from Daily Rep
0-17. Does lease inventory indicate enhanced recovery being done No	
0-17. Is affidavit signed? / Notarized? /	
dditional information Does computer program confirm?	on? yes
as Determination Objected to By Whom?	
THE APPEAR OF THE SECOND STREET, THE PROPERTY OF THE PARTY OF THE SECOND	4

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES, OIL AND GAS DIVISION

Date	7-6	19 8/
Operator's Well No.	A-1016	
API Well No. 47	- 083 - 0	439

### WELL CLASSIFICATION FORM

NEW ONSHORE PRODUCTION WELL

MGPA Section 103
DESIGNATED AGENT Allegheny Land & Mineral C
ADDRESS P.O. Drawer 1740
Clarksburg, W. Va. 26301
WELL OPERATOR Allegheny Land & Mineral Con Elevation 2953
ADDRESS P.O. Drawer 1740 Watershed Sugar Puni
Clarksburg, W. Va. 26301 Dist. 1 of County Pand of has a to
CAS PURCHASER Columbia Gas Transmission Corp
ADDRESS 1700 MacCorkle Ave. S.E. Contract No. Meter Chart Code
Charleston, W. Va. 25314 Date of Contract
* * * * * * * * * * * * * * * * * * * *
Date surface drilling was begun: 6-1-8/
Toddings about the control of the co
Indicate the bottom hole pressure of the well and explain how this was calculated:
Rock Pressure was800 # PSIG at the surface.
AFFIDAVIT
surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing as in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.
President Allegheny Land & Mineral Co.
Camis Dehn
President
Allegheny Land & Mineral Co.
COUNTY OF Harrison, TO WIT:
I, Ethel Marie Crowley Notary Public in and for the state and county aforesaid,
do certify that James B. Genr, whose name is signed to the writing above, bearing date
the 6th day of June . 19 81, has acknowledged the same before me, in my county aforesaid.
Civen under my hand and official seal this 6th day of June 1981.
My term of office expires on the 20th day of December 1989.
Etl 1 cm · C 1

[NOTARIAL SEAL]

Ethel Marie Crowley

Ethel Marie Crowley

WASIE OF A PUBLIC

03/15/2024