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 __. This permit shall expire if drilling



10-24-81 operations have not commenced by

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

	OIL AND G	SAS WELL F	PERMIT APPLICAT	TON SOCIEDA
TO THE DEPARTMEN	T OF MINES.			
Charleston			DATE January 15, 1981	THE USER GROUGGHEAL TO
			ALLEGHENY LAND AND	MINERAL COMPANY
Oil & Gas Royalty,			Company P. O. Drawer 1740	
Coal Owners and	U/W of Harry McMu	ullan, Jr.	Address Clarksburg, West V	irginia 26301
Surface Owners:	Rt. 5 Box 394		Farm Neva McMullan, et a	I Control of the cont
	Washington, N.C.	27889	Location (waters)	Kettle Run
			Well No. A-1000	Elevation 2740!
	Westvaco		District Middle Fork	County Randolph
	203 Randolph Aver	nue	Quandrangle Cassity 7.5	01 - 61
egyttue of, the	Elkins, W. Va. 26		Acres: 15	39
Coal Lessee:	AMAX Coal Company			
	105 South Meridar		CTOR TO BE	
	Indianapolis, Inc	Jiana 40225 NOTT	IED: Robert S. Stewart P. 0. Box 345	
201 . 17	International Coa	al Co. ADDRE	SS:Jane Lew, West Virginia	26378
gol . In	Greenbrier Valley	Bldg.		
	119 Washington St		:884-7782	
	Lewisburg, W. Va.	, 26901		
GENTLEMEN:				Blackfill The Luces
The undersigned	well operator is	entitled to drill u	pon the above named farm or tra	or of land for all and re-
and and or or giro	morr operator 15		poir the above hamed rath of the	act of faile for off and das.
	ereto (or as the	case my bol under a	rant or loace dated lune 14	그리다 그 이 경기를 했다면 하는데 없다면 이 점점에게 보지 않아야 있었다. 점점이 되고 그리고 없다.
having fee title th			rant or lease dated June 14	19 <u>71</u> by
naving fee title the Goff-Arnold unto Co	olumbia Gas made to	Allegheny Land & M	ineral Co.and recorded on the	19 <u>71</u> by
naving fee title the Goff-Arnold unto Co 19 <u>71</u> , in <u>Randol</u>	ph County	Allegheny Land & M	ineral Co.and recorded on the Page 449	19 71 by 30 day of July
naving fee title the Goff-Arnold unto Co	ph County	Allegheny Land & M , Book 272 DRILL DEEPER	ineral Co.and recorded on the Page 449	19 <u>71</u> by
naving fee title the Coff-Arnold unto Co	ph County	Allegheny Land & M	ineral Co.and recorded on the Page 449	19 71 by 30 day of July
having fee title the Goff-Arnold unto Constitution of the Constitu	ph County ELL ND GAS WELL ORIGIN at was prepared by	DRILL DEEPER NALLY DRILLED BEFORE a registered engin	ineral Co.and recorded on the Page 449	19 71 by 30 day of July FRACTURE OR STIMULAT
having fee title the Goff-Arnold unto Company of the Randol XXX NEW Work of the Properators have been to be a second or the Randol Rand	ph County ELL ND GAS WELL ORIGIN at was prepared by notified as of the	DRILL DEEPER NALLY DRILLED BEFORE a registered engine above date.	ineral Co.and recorded on the Page 449 REDRILL JUNE 5, 1969. eer or licensed land surveyor a	19_71_ by 30 day of _July FRACTURE OR STIMULAT and all coal owners and/or
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BLANNET BUND

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

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 K	nown)	RESPONSIBLE AGENT:	
NAME: Union Drilling Co	ompany	NAME: Alleghe	eny Land and Mineral Company
ADDRESS: P. O. Drawer 40		ADDRESS: P. O. D	rawer 1740
	Virginia 26201	Clarksb	ourg, West Virginia 26301
TELEPHONE: 304-472-4610		Telephone: 304-623	
ESTIMATED DEPTH OF COMPLETE		ROTARY XXX	CABLE TOOLS
PROPOSED GEOLOGICAL FORMATIO	The state of the s		.sV ali (notaphaeil)
TYPE OF WELL: OIL			BEDISPOSAL
	RECYCLING	WATER FLOO	
TENTATIVE CASING PROGRAM:			Surface Owners: Rt. 5 36
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.
20 - 16	Mari othbizoroistaid	20'	cement to surface
13 - 10 9 - 5/8	riese?nlmarinnir	aunevA dglci	Rame
8 - 5/8	7001	700'	cement to surface
7		Vacana) Le	-11 Y (% : :Anage 1 (ch))
5 1/2	SELOT SCHOOLS		tua? CI
4 1/2	53001	5300	cement to 300' above producing horizon
3	CAC XOO . O . 100		Perf. Top
2 Liners	V-1-04_004_206E	Fonal Coal Cos	Perf. Bottom Perf. Top
			Perf. Bottom
		1000s .BV .1 ,5	iĝjalkol
APPROXIMATE FRESH WATER DEP	THS 106 FEET	SALT WATER	FEET
APPROXIMATE COAL DEPTHS			
IS COAL BEING MINED IN THE		BY WHOM?	rg - Hom hong te too his or T
	ant dase cossi to tasab ast	DI MUOMI	stransant stift but govern
TO DRILL:		s moto to Allegheny Lan	
SUBMIT FIVE (5) COPIES	OF OG - 1, \$100.00 PERMIT FEE	, PERFORMANCE BOND AND P	PERMANENT COPY OF PLAT.
TO DRILL DEEPER OR REDRILL:			
SUBMIT FIVE (5) COPIES	OF OG - 1 SHOWING ORIGINAL P	FRMIT NUMBER AND PERFORM	IANCE BOND. ON WELLS DRILLED PRIOR
TO 1929, A PERMANENT CO	PPY OF THE PLAT AND THE ORIGIN	AL WELL RECORD MUST ALSO	BE SUBMITTED.
TO FRACTURE - STIMULATE:		atch evodo e i to an	enerators have Luca notified
	IGINALLY DRILLED BEFORE JUNE 5		OG - 1, PERFORMANCE BOND, PERMANEN
OIL AND/OR GAS WELL OR	IGINALLY DRILLED ON AND/OR AFT	ER JUNE 5, 1929, FIVE CO	PIES OG - 1, SHOWING ORIGINAL
men ekadê lehtiêr ty têvîlêri. Are	called by registored bally bu trive address		operators or coal evalues at
Required forms must be			release. Inspector to be notified
twenty-four (24) hours	in advance.		
		:	ACCEPTABLOY TOOR DISHOLFA TO
The following waiver moreceipt thereof.	ust be completed by the coal o	perator if the permit is	to be issued within ten days of
	Jeined Panist L.		
WAIVER: I the undersigned,		Coal Company, C	wner or Operator of the coal under ocation.
ch complete his state	. and in the treatment and and and	uunt.an helit.ats.annita	mido.on11
location, providing	g operator has complied with a ginia Code.	II rules and regulations	o said well being drilled at this in Articles 43/15/2024 Chapter
083- °- °- PERMIT N	47-	Tribled	For Coal Company
		o yinks like besidest no	
			Official Title

Legend:

Diversion
Spring
Wet Spot
Building
Drain Pipe
Waterway

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.

PROPOSED
ACCESS RD
Leader on loss

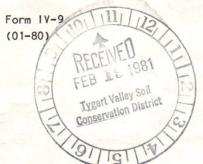
Access RD
A

COMMENTS: Slope of access road 4% -- 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 construction is completed -- Reclamation to be performed by Halls Reclamation, Inc.

Signature: P. O. Box 1740, Clarksburg, W. Va. 623-6671

Agent Address Phone Number 03/15/2024

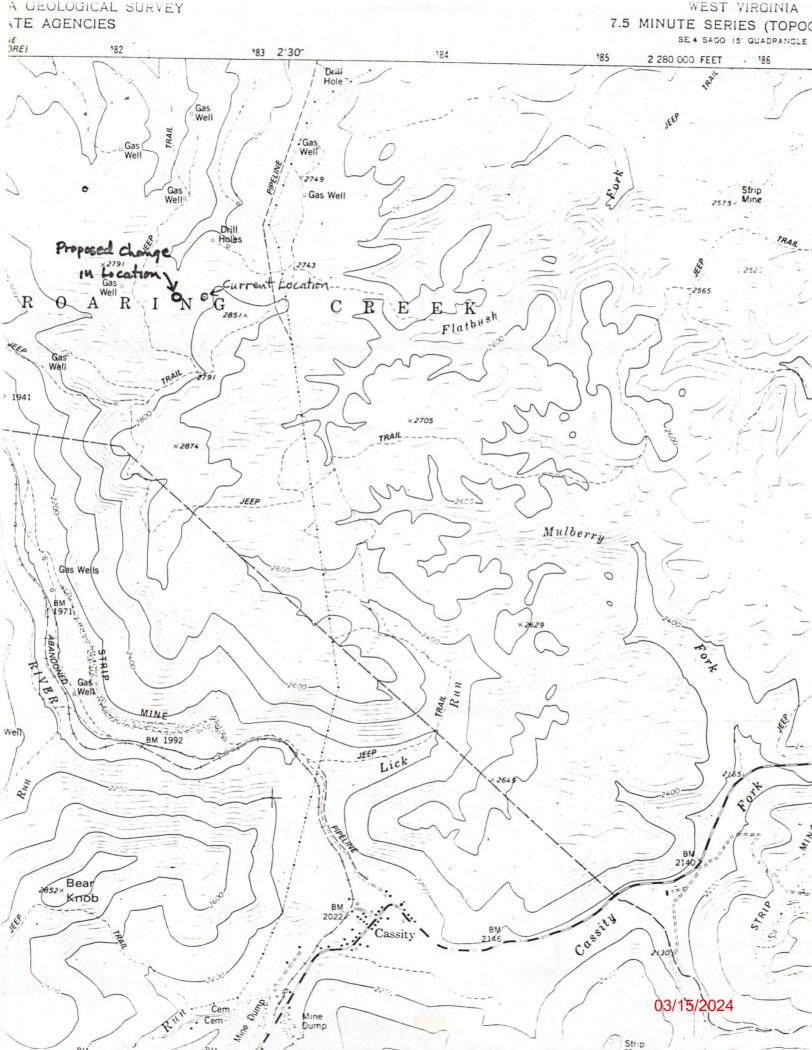
Please request landowners cooperation to protect new seeding for one growing season.



Date February 17 , 1981
Well No. A-1000
API No. 47 - 083 - 0 428
State County Permit

E R Flatbush

Conservation District	OF WEST VIRGINIA	
OFF	CE OF OIL AND GAS	
9/19/1		
Company Name Allegheny Land & Mineral Co.	Designated Agent J. R	onald Cullen
Address P. O. Box 1740	Address P. O. Box I	
Clarksburg, West Virginia	Clarksburg,	West Virginia
Telephone 623-6671	Telephone 623-6671	
Landowner Westvaco	Soil Cons. District T	ygart Valley
Revegetation to be carried out by Halls Re	clamation, Inc.	(Agent)
THE	+11/1/10x	
This plan has been reveiwed by	" Vay	SCD. All corrections
and additions become a part of this plan. 2-	(Date)	(SCD Agent)
	Date	(SCD AGEILL)
ACCESS ROAD	LO	CATION
Structure Drainage Ditch (A)	Structure Draines D	!+ab (1)
Spacing Earthen (A)	Structure <u>Drainage D</u> Material <u>Earthen</u>	itch (1)
Page Ref. Manual 1-10	Page Ref. Manual	41000000000
	[0]	
Structure Culverts (B)	Structure	(2)
Spacing 12" Min. 1. D. OR WHERE NEEDED Page Ref. Manual 1-8	Material Page Ref. Manual	555 2 4 1001
rago Nors Hallaat 1-0	rage Ker. Manual	FEB 2 4 1981
Structure Rip-Rap (C)	Structure	(3)
Spacing Rock	Material	OIL & GAS DIVISION
Page Ref. Manual N/A	Page Ref. Manual	EPT. OF MINES
	REVEGETATION	
	NET LOCITATION	
TREATMENT AREA I		NT AREA II
TREATMENT AREA I		NT AREA II
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Tons/acre Or correct to pH 6.5	TREATMENT Lime 2.5 3 or correct to pH Fertilizer 600 (10-20-20 or Mulch Straw Seed* Kentucky 31 Fescu	Tons/acre 6.5 Ibs/acre equivalent) 2 Ibs/acre e 40 Ibs/acre
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Tons/acre Or correct to pH 6.5	TREATMENT Lime 2.5 3 or correct to pH Fertilizer 600 (10-20-20 or Mulch Straw Seed* Kentucky 31 Fescu	Tons/acre 6.5 Ibs/acre equivalent) 2 Ibs/acre e 40 Ibs/acre 10 Ibs/acre
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DECENTED

JAN 2 6 1981

OIL & GAS DIVISION DEPT. OF M.NES



105 SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 • [317] 266-2626

January 23, 1981



DEPT. OF MINES

Chief Petroleum Engineer
Department of Mines
Oil & Gas Division
1615 Washington Street, East
Charleston, West Virginia 25311

Dear Sir:

Enclosed is a copy of AMAX Coal Company's letter of approval to the respective oil company, for their representative's signature. When you receive the signed version of the letter, that will automatically give AMAX's permission for issuing the permit. The signed copy represents agreement by the oil operator that they agree to AMAX's stipulations for drilling and completing the wells.

Cordially,

James W. Faber, Manager Development Geology

JWF/mdt

Enclosures

not signed

SOUTH MERIDIAN STREET, INDIANAPOLIS, INDIANA 46225 . [317] 266-2625

January 23, 1981

Department of Mines Oil and Gas Division 1615 Washington Street, East Charleston, West Virginia 25311

Re:

Allegheny Land and Mineral

No. A-1000 Neva McMullan, et al

Middle Fork District

Randolph County, West Virginia

Dear Sirs:

AMAX Coal Company has received notification that a permit application is being filed to drill the above-mentioned well. The AMAX Coal Company will offer no objections to the drilling of this proposed well provided the applicant intends to drill subject to the following conditions:

- 1. The location be moved west approximately 600 feet or to a point about 120 feet topographically lower than the requested location so as to place the well outside the outcrop of the Upper Mercer coal.
- 2. AMAX requests permission to have geophysical logs run, at AMAX's expense, on the upper part of the hole prior to Allegheny running of the long string of surface casing. Mr. David Darko (317/266-2633) should be contacted regarding the procedure for this logging.
- 3. AMAX Coal Company would like copies of all logs that Allegheny runs on this well. It would be appreciated that Allegheny run their logs several hundred feet into the long string of surface casing in order to tie the two logs on a footage basis.

Sincerely.

James W. Faber, Manager

Development Geology

JWF/mdt Enclosures

cc: Allegheny Land and Mineral Company

David A. Darko

The above stipulations are agreed to as a condition for obtaining a drilling permit.

Representative of Allegheny Land & Mineral Co.

(Date)

OIL & GAS DIVISION DEPT. OF MINE

Formation Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water *Remarks
Fifth Sand		2200	2230	
Sand & Shale		2230	2395	
Speechly		2395 2415	2415 3568	
Sand & Shale		3568	3831	
Riley		3831	3852	sadrangle Casaity V.L.
Benson		3852	5220 T.D	
Sand & Shale		3032	J220 1.D	scalt No. 47-093-0499
//wix				
Well was Fractured A	pril 23, 1981 b 3822' - 3832	y Dowell	pricol	Superny Attentiony Land & Minoral Co.
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	5123' - 5125'		7401 20-1	11 0. 1-1000 Pley 3
	5128' - 5134'	12 holes	lph Cond.	
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APPROVED Vice President Oil & Gas Productions

0G-10 9-71



STATE OF WEST VIRGINIA DEPARTMENT OF MINES

DECEIVED

OIL & GAS DIVISION DEPT. OF MINES

OIL and GAS DIVISION WELL RECORD

Quadrangle Cassity 7.51
Permit No. 47-083-0428

Rotary	XX	011 8 110
Cable_		Gas
Recycli	ng	Comb.
WaterFl	o od_	Storage
Disposa	1	
		(Kind)

Company Allegheny Land & Mineral Co. Address P. O. Box 1740, Clarksburg, Farm Neva McMullan et al A	W.Va. 26301	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Location (water) Kettle Run	CI 63_2777	Size	tos a ruc	re - 10)00	
	ev. 2740'	20-16	fort P 189	1251 - 51	
		Cond.	Earl St. 198	1281 - 31	
District Middle Fork County	74. EC. 15. LEW ST. BELLEVILLE ST. CO. 10. CO.	13-10"			
The surface is owned in fee by Neva					†
et.al.,Rt 5 Box 394, Washington, N.C			990.65	990.65	w/280 sks.to surface
203 Randolph Ave., Elkins, W. Va.		8 5/8 7	990.05	990.03	#/200 SKS.10 Surface
Mineral rights are owned by Same as	above				+
Address		5 1/2	F267 17	5267 17	w/610 sks. 1700'
Drilling Commenced 3-28-81		4 1/2	9203.13	5263.13	T W/610 SKS. 1700
Drilling Completed 4-4-81		3			+
Initial open flow 8.870 cu.ft.					†
Final production 2768M cu.ft.per d		Liners Used			+
Well open 2 hrs before test	1200 RP.				•
Well treatment details: Benson sand treated 500 gal 15% HCL, 1st Elk sand treated 500 gal 15% HCL			20/40	ngrecord	•
2nd Elk sand treated 500 gal 15% HCL					
Zild Zilk Salid Hoard 200 gar 15% inc					
	53 454-459	541-545 Feet		Inche	s
Coal was encountered at 89-92,249-2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Coal was encountered at 89-92,249-2 Fresh water 70' & 325'				It water_	Feet
Fresh water 70' & 325'	Feet			lt water_ Depth_	Feet
생기 보고 있었다. 이 경에 가는 경쟁에 있는 것이 없는 것이 되었다. 그 이 사람들이 되었다면 하는 것이 없는 것이 되었다면 하는데	Feet				Feet
Fresh water 70' & 325'	Feet				Feet
Fresh water 70' & 325'	Feet				Feet
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Producing Sand Benson, 1st Elk, & 2	Feet_		Sa	Dep†h_	
Producing Sand Benson, 1st Elk, & 2	Feet_		Sa	Dep†h_	
Producing Sand Benson, 1st Elk, & 2	Feet_	Bottom Feet	Oil, Gas	Depth_	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft	Feet Ind Elk Top Feet	Bottom Feet	Oil, Gas	Depth s or Water	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill	Feet_Ind Elk Top Feet	Bottom Feet	Oil, Gas	Depth_	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale	Feet Ind Elk Top Feet 0 7	Bottom Feet 7 15	Oil, Gas	Depth s or Water	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand	Top Feet 0 7 15	Bottom Feet 7 15 89	Oil, Gas	Depth s or Water	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal	Top Feet 0 7 15 89	Bottom Feet 7 15 89 92	Oil, Gas	Depth s or Water	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand	Top Feet 0 7 15 89 92	Bottom Feet 7 15 89 92 249	Oil, Gas	Depth s or Water	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale	Top Feet 0 7 15 89 92 249	7 15 89 92 249 253	Oil, Gas 1" stream 1/2" stre	Depth or Water on H ₂ O @ 70 eam H ₂ O @	*Remarks
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale Coal	Top Feet 0 7 15 89 92 249 253 454	7 15 89 92 249 253 454 459	Oil, Gas 1" stream 1/2" stre	Depth or Water on H ₂ O @ 70 eam H ₂ O @	*Remarks 1 3251
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Sand & Shale Coal Sand & Shale Sand & Shale	Top Feet 0 7 15 89 92 249 253 454 459	7 15 89 92 249 253 454 459 541	011, Gas 1" stream 1/2" stre	Depth	*Remarks 1 3251 show !!
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale Coal	Top Feet 0 7 15 89 92 249 253 454 459 541	7 15 89 92 249 253 454 459	Oil, Gas 1" stream 1/2" stre	Depth	*Remarks 1 3251 show 1 100 CF
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale	Top Feet 0 7 15 89 92 249 253 454 459 541 545	7 15 89 92 249 253 454 459 541 545 1071	Oil, Gas 1" stream 1/2" stre	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6,	*Remarks 1 3251 show 11 100 CF 270 CF
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Sand & Shale Sand & Shale Sand & Shale Salt Sand	Top Feet O 7 15 89 92 249 253 454 459 541 545 1071	7 15 89 92 249 253 454 459 541 545 1071 1112	Oil, Gas 1" stream 1/2" stre	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6, 3630' 6,	*Remarks 1 3251 show 11 100 CF 270 CF 270 CF 870 CF
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale	Top Feet 0 7 15 89 92 249 253 454 459 541 545 1071 1112	7 15 89 92 249 253 454 459 541 545 1071 1112 1313	Oil, Gas 1" stream 1/2" stre	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6, 3630' 6, 3976' 8,	*Remarks *Remarks show 100 CF 270 CF 270 CF 870 CF
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale Salt Sand Sand & Shale Little Lime	Top Feet 0 7 15 89 92 249 253 454 459 541 545 1071 1112 1313	7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324	Oil, Gas 1" stream 1/2"	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6, 3630' 6, 3976' 8, 4478' 8,	*Remarks *Remarks 1 325' show 11 100 CF 270 CF 270 CF 870 CF 870 CF 870 CF 870 CF 870 CF
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Coal Sand & Shale Little Lime Sand & Shale	Top Feet 0 7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324	7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324 1351	Gas ck @ " " " " " " " " " " " " " " " " " "	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6, 3630' 6, 3976' 8, 4478' 8, 4758' 7,	*Remarks *Remarks *325' show " 100 CF 270 CF 270 CF 870 CF 870 CF 870 CF 870 CF 940 CF
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Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale Salt Sand Sand & Shale Salt Sand Band & Shale Little Lime Sand & Shale Big Lime Big Injun	Top Feet 0 7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324 1351 1525	Bottom Feet 7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324 1351 1525 1586	Gas ck @ " " " " " " " " " " " " " " " " " "	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6, 3630' 6, 3976' 8, 4478' 8, 4758' 7,	*Remarks *Remarks *325' show " 100 CF 270 CF 270 CF 870 CF 870 CF 870 CF 870 CF 940 CF
Fresh water 70' & 325' Producing Sand Benson, 1st Elk, & 2 Formation Color Hard or Soft Fill Sand & Shale Sand Coal Sand Coal Sand & Shale Salt Sand Sand Sand Sand Sand Shale Little Lime Sand & Shale Big Lime	Top Feet 0 7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324 1351	Bottom Feet 7 15 89 92 249 253 454 459 541 545 1071 1112 1313 1324 1351 1525	Gas ck @ " " " " " " " " " " " " " " " " " "	Depth or Water 1 H ₂ O @ 70 eam H ₂ O @ 1260' no 1916' " 2103' " 2474' 14, 3381' 6, 3630' 6, 3976' 8, 4478' 8, 4758' 7,	*Remarks *Remarks *325' show " 100 CF 270 CF 270 CF 870 CF 870 CF 870 CF 870 CF 940 CF

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

		77	91148
D'agymin	No 28	2-0	9428

Oil or Gas Well GAS

ompany Alle 6 Hery LAND 4 min	CASING AND USED IN LEFT	
Address C/ARKSBURG	Size	
Form NEVA MEMULIAN	10	Kind of Packer
Well No A - 1000	13	Size of
District MiDDle FORK County RANDOIPH	814	
Drilling commenced 3-28-8/	6%	
Drilling completedTotal depth	3	Perf top
Date shotDepth of shot	2	Perf hotton
In tial open flow/10ths Water inInch	Liners Used	Part tett m
Open flow after tubing/10ths Mcrc. in Inch		
VoltageCu. Ft.	CASING CEMENTEDSIZE_ NAME OF SERVICE COMPANY	No FTDate
Nock pressure lbs. hrs. Oil bbls., 1st 21 hrs.		FEETINCHES
Fresh waterfeetfeet	FEETINCHES	FEETINCHES
Salt waterfeetfeet	FEETINCHES	FEETINCHE

Drillers' Names UNION RIG -9

Remarks:

nove Ri6-Move

RECEIVED

MAR 3 ± 1981

OIL & GAS DIVISION
DEPT. OF MINES

3-28-81

Robert Stewart

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

it No.	ACCOMMENDED AND ACCOMMENDATIONAL ACCOMMENDATIONAL ACCOMMENDATIONAL ACCOMMENDAT				
ADA NV			ADDRESS	The state of the s	
DISTRICTCOUNTY					
ARM DISTRICT					
ing Material Used					
er Loc	ation	Amount	Packer	Location	
	ND DEPTH PLACED		BRIDGES	CASING AND	TUBING
CEMENT-TW:CKNESS	WOOD-SIZE	LEAD	CONSTRUCTION LUCATION	RECOVERED SIZE	LOST
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marks:					

03/15/2024

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Company Alle GHENY LAND	4MIN	CASING AND TUBING	DRILLING	Well	PACKE	25
Address CLARKSBUR	6	Size			La la page	
FARM NEWA MEMU	ller	16			Kind of Packe	r
Vell No A-1000		13			Size of	
District MIDDLE FORK Country	PANDOIPH	81/4			5126 01	
Orilling commenced 3-28-	8/	6%			Depth set	
orilling completedTotal de	epth	5 3/16			Perf. top	
ate shotDepth of sho	ot	2			Perf. bottom_	
nitial open flow/10ths Wa	ater inInch	Liners Used			Perf. top	
pen flow after tubing/10ths Me	rc. inInch				Perf. bottom_	
olu.ne	Cu. Ft.	CASING CEME	NTED	SIZE	No. FT	Dat
ock pressurelbs	hrs.	NAME OF SER	VICE COMPA	NY		
ilt	obls., 1st 24 hrs.	COAL WAS EN	COUNTERED	AT	FEET	LINCHES
resh waterfeet	feet	FEET_	INCH	ES	FEET	INCHES
ilt waterfeet	feet	FEET_	INCH	ES	FEET	INCHES

Remarks: DIKI TO Release RECEIVED

OCT 23 1981

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

10-21-81

Robert Stewart

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

Permit No Well No					II No	
COMPANYADDRESS						Property Services
ARM		DISTRIC	Т	COUNTY		
illing Material Used				7310		
iner Loc	cation	Amount	Packer	Location		1
PLUGS USED A	ND DEPTH PLACED		BRIDGES	CASIN	G AND TU	BING
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST
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A SANTAN TO THE SANTAN THE	2-3-3					
	22.00					
llers' Names	2 2 2 2 2 2 2					
marks:						
narks:						
100 GT 615 67 GT GT						
CEVIS.						
NO SAS DIVISION	IA LEO					
DATE	hereby certify I vis	sited the above	ve well on this date.			

03/15/2024



State of Mest Virginia

Department of Mines Gil and Gas Division Charleston 25305

WALTER N. MILLER DIRECTOR

January 25, 1982

Allegheny Land & Mineral Company P. O. Box 1740 Clarksburg, West Virginia 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 NO.	DISTRICT
RAN-0381	Neva McMullan #A-925	Middle Fork
RAN-0403 RAN-0428	L. T. & Dorothy Lewis #A-984 Neva McMullan et al #A-1000	Roaring Creek Middle Fork
RAN-0440	Harry McMullan, III #A-1017	Middle Fork
RAN-0458	Harry McMullan/Golf Arnold #A-1019	Middle Fork
RAN-0460 RAN-0466	Mike Ross/John Petrice #A-1026 Harry McMullan #0466	Roaring Creek Middle Fork

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......

Fred Burdette

A-1000 PIEGE

1.0 API well number: (If not available, leave blank, 14 digits.)	47-083-0428 MAY	11 1981 4	
Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA TOTAL & GA	S D. ISION	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5220 T.D.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	000333 Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Field Name Pondalph County Post District W.Va. 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 - /000		
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Benson - 1st Elk - 2nd Elk		
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. 004030 Name Buyer Code		
(b) Date of the contract:	Mo. Day Yr.		
(c) Estimated annual production:	Not in line! 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.)	2.444 0.244 0.244	2.932	
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	5.444 0.544 0.544	2.132	
9.0 Person responsible for this application: Agency Use Only Date Received by Juris. Agency MAY 1 1 1981 Date Received by FERC	Daniel L. Wheeler Vice-Pres.Land Dept. Name Name Signature 304-623-6671		
	Date Application is Completed Phone Number		

4/03

FT7900206/2-2

	JUL 27 1931 -	
ARTICIPANTS: DATE:		BUYER-SELLER CODE
	Land + Mineral Co.	000333
FIRST PURCHASER: Calumbia	Gas Trans Corp.	004030
OTHER:		
W. Va. Department of Mines, Oil & Gas Division WELL DETERMINATION FILE NUMBER	200 deckers Jahren	۵.5.
81 - 5 - 11 - 103 - 083 = 0428	Qualifies Jaking	3Cef
Use Above File Number on all Communications Relating to Determination of this Well		0
CHECK EACH ITEM AS COM	PLETE OR NOTE WHAT IS MISSING	
TEM NO.		
그 이 사람들은 얼마나 아내는	not completed - Line No.	
	nes B. Cehr	
3. IV-2 Well Permit /		
4. IV-6 Well Plat		
	Drilling Deepening	
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		
0-17. IV Form $51 - 52 - 53 - 54 - 55$	- 56 - 57 - 58 Complete? Af	fidavit Signed
	Geological Charts	
Structure Map Gas Analyses	1: 4000 Map Well Ta	bulations
	Date completed 4-4-81 Deepe	ned
	2 , 5037-50, 5123-34	
(5) Production Formation: Ben	son; ISTIK, 2 FIK	
(5) Final Open Flow:	4	
(5) After Frac. R. P.	1200#2 hrs.	
(6) Other Gas Test:		
(7) Avg. Daily Gas from Annual Prod	duction:	
(8) Avg. Daily Gas from 90-day endi	ng w/1-120 days	
(8) Line Pressure:	P	SIG from Daily Report
(5) Oil Production:	From Completion Report	
0-17. Does lease inventory indicate e	nbanced recovery being done	10
-17. Is affidavit signed?	Notarized?	1
	rtment confirm the submitted informati	
	Does computer program confirm?	
s Determination Objected to	By Whom?	
	Te	

STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIMISION Cate 5-8 1981

WELL CLASSIFICATION FORM

NEW OMSHORE PRODUCTION MELL

NGPA Section 103
DESIGNATED AGENT Allegheny Land & Mineral Co.
ADDRESS P.O. Drawer 1740
Clarksburg, W. Va. 26301
WELL OPERATOR Allegheny Land & Mineralocation 2740
ADDRESS P.O. Drawer 1740 Watershed W office
Clarksburg, W. Va. 26301 Dist middle Int County Randolph Quad Casaity 7.5
GAS PURCHASER Columbia Gas Transmission Corp.
ADDRESS 1700 MacCorkle Ave. S.E. Contract No.
Charleston, W.Va. 25314 - Date of Contract
Date of contract / H
* * * * * * * * * * * * * * * * * * * *
Date surface drilling was begun: $3 - 28 - 81$
Indicate the bottom hole pressure of the well and explain how this was calculated.
Rock Pressure was

AFFIDAVIT

I. James B. Gehr , having been first sworn according to law state that 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 was 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 is 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.

Allegheny Land & Mineral Co.

STATE OF WEST VIRGINIA.

COUNTY OF Harrison TO WIT:

I, Ethel Marie Crowley Motary Public in and for the state and county aforesaid, do certify that James B. Gehr, whose name is signed to the writing above, bearing date the 8th day of May , 19 8/, has acknowledged the same before me, in my county aforesaid. Civen under my hand and official seal this 8th day of may . 1981.

My term of office expires on the 20th day of December 1, 1989.

[NOTARIAL SEAL]

. Ether Marie I rowley Ethel Marie Crowley

TARRIAN SONCE

03/15/2024