

THIS PERMIT MUST BE POSTED AT THE WELL SITE
 All provisions being in accordance with Chapter 22 of the W. Va. Code
 This permit shall expire on _____

**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) _____ RESPONSIBLE AGENT: _____
 NAME: Union Drilling Company NAME: ALLEGHENY LAND & MINERAL COMPANY
 ADDRESS: P. O. Drawer 40 ADDRESS: P. O. Drawer 1740
 Buckhannon, West Virginia 26201 Clarksburg, West Virginia 26301
 TELEPHONE: 472-4610 TELEPHONE: 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 5200' ROTARY XXX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Elk
 TYPE OF WELL: OIL _____ GAS XXX COMB _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WFL.	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	700'	700'	cement to surface
7			
5 1/2			
4 1/2	5200'	5200'	cement to 300' above producing horizon
3			Perf. Bottom
2			Perf. Top
Liners			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 389 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS 245-250
 IS COAL BEING MINED IN THE AREA? NO BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.


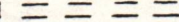




WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location. 03/22/2024
 We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

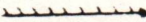



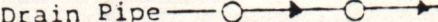
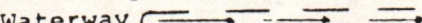
BLANKET BOND

 For Coal Company

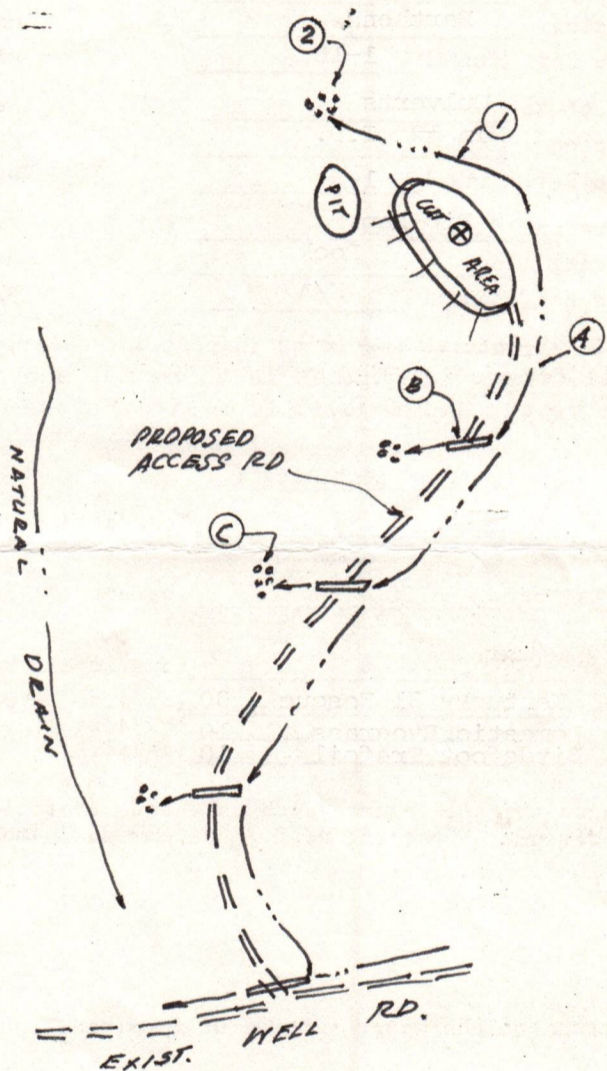
 Official Title

Well Site Plan

Legend: Property Boundry 
 Road 
 Existing Fence 
 Planned Fence 
 Stream 
 Open Ditch 

Diversion 
 Spring 
 Wet Spot 
 Building 
 Drain Pipe 
 Waterway 

Sketch to include well location, existing access road, roads to be constructed, wellsite, 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 25% -- 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: J. Ronald Carter Agent P.O. Box 1740, Clarksburg, W.Va. 623-6671
 Address

03/28/2024

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



Date October 8 19 80
 Well No. A-927
 API No. 47 - 083 - OCT 20 1980
State County Permit

OIL & GAS DIVISION
DEPT. OF MINES

Company Name Allegheny Land & Mineral Co Designated Agent J. Ronald Cullen
 Address P.O. Box 1740, Clarksburg, W.V. Address P.O. Box 1740, Clarksburg, W.V.
 Telephone 623-6671 Telephone 623-6671
 Landowner Neva McMullan, Exec. Soil Cons. District Tygart's Valley
 Revegetation to be carried out by Halls Reclamation, Inc. (Agent)

This plan has been reviewed by Tygart's Valley SCD. All corrections and additions become a part of this plan. 10/15/80 (Date) Juan Freeman (SCD Agent)

Access Road	Location
Structure <u>Drainage Ditch</u> (A) Spacing <u>Earthen</u> Page Ref. Manual <u>1-10</u>	Structure <u>Drainage Ditch</u> (1) Material <u>Earthen</u> Page Ref. Manual <u>1-10</u>
Structure <u>Culverts</u> (B) Spacing <u>Min 12" I.D.</u> Page Ref. Manual <u>1-8</u>	Structure <u>Rip-Rap</u> (2) Material <u>Rock</u> Page Ref. Manual <u>N/A</u>
Structure <u>Rip-Rap</u> (C) Spacing <u>Rock</u> Page Ref. Manual <u>N/A</u>	Structure _____ (3) Material _____ Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary.
 All commercial timber is to be cut and stacked. All brush and small timber to be cut and removed from site before dirt work begins.

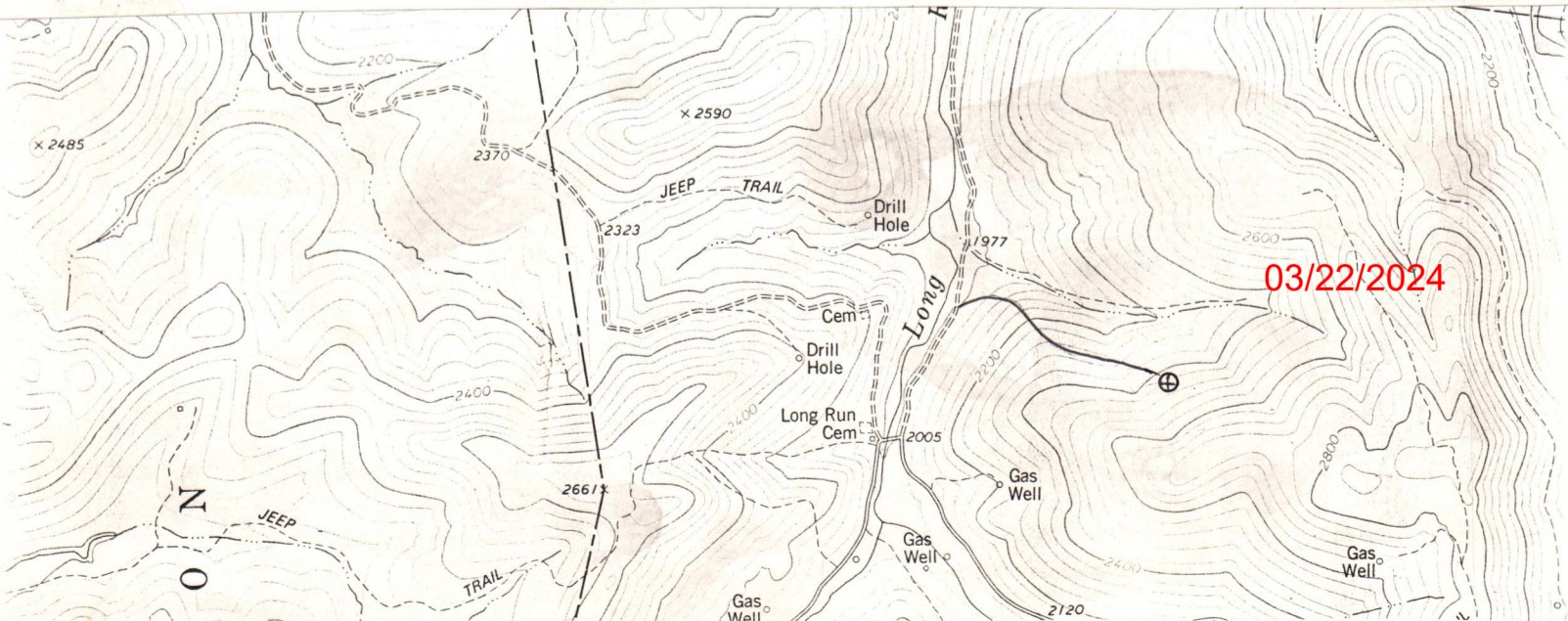
Revegetation

Treatment Area I	Treatment Area II
Lime <u>2.5</u> <u>3</u> Tons/acre or correct to pH <u>6.5</u>	Lime <u>2.5</u> <u>3</u> Tons/Acre or correct to pH <u>6.5</u>
Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)	Fertilizer <u>600</u> lbs/acre (10-20-20 or equivalent)
Mulch <u>Straw</u> 2 Tons/Acre	Mulch <u>Straw</u> 2 Tons/Acre
Seed* <u>Kentucky 31 Fescue</u> 30 lbs/acre <u>Domestic Ryegrass</u> 10 lbs/acre <u>Birdsfoot Trefoil</u> 10 lbs/acre	Seed* <u>Kentucky 31 Fescue</u> 30 lbs/acre <u>Domestic Ryegrass</u> 10 lbs/acre <u>Birdsfoot Trefoil</u> 10 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

Attach or photocopy section of involved Topographic map. Quadrangle Cassity 7.5'

Legend: Well Site
 Access Road



[08-78]

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Well was fractured 12-18-80 by Dowell.

Perforations: 1670 - 1680' - 16 holes

1764 - 1774' - 16 "

1879½ - 1890½ - 16 "

4882 - 2896' - 16 "

WELL LOG

FORMATION	Color	Hard or Soft	33 Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Fill dirt			0	12	
Sand & Shale			12	165	Water - ½" stream @ 38' - 1½" @ 120'
COAL *****			165	171	Coal ***** Water - 1½" @ 165'
Sand & Shale			171	1154	
Big Lime			1154	1202	
Injun Sand			1202	1266	
Sand & Shale			1266	1670	
Gordon Sand			1670	1682	
Sand & Shale			1682	1754	
4th Sand			1754	1790	
Sand & Shale			1790	1878	
5th Sand			1878	1898	
Sand & Shale			1898	3450	
Benson Sand			3450	3468	
Sand & Shale			3468	4858	
Elk Sand			4858	4896	
Shale			4896	5063	
		total depth		5063	(Driller)

(Attach separate sheets to complete as necessary)

Allegheny Land & Mineral Company
Well Operator

By Claron Dawson

Its Supt.

03/22/2024

NOTE: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic, detailed geological record of all formations, including coal, encountered in the drilling of a well."

Date: January 2, 19 81
Operator's Well No. A-927
API Well No. 47 - 083 - 0376
State County Permit

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

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow xx /)
LOCATION: Elevation: 2380' Watershed: Long Run
District: Middle Fork County: Randolph Quadrangle: Cassity 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENCY ALLEGHENY LAND & MINERAL CO.
Address P. O. BOX 1740 Address P. O. BOX 1740
CLARKSBURG, W. VA. 26301 CLARKSBURG, W. VA. 26301

PERMITTED WORK: Drill x / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___
Other physical change in well (specify) _____

PERMIT ISSUED ON September 30, 19 80

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED

Name Robert S. Stewart
Address P. O. Box 345
Jane Lew, WV 26378

GEOLOGICAL TARGET FORMATION: Elk Depth 5200 feet
Depth of completed well, 5063 feet Rotary x / Cable Tools ___
Water strata depth: Fresh, 38,120,165' salt, ___ feet.
Coal seam depths: 165-171 Is coal being mined in the area? ___
Work was commenced December 3, 19 80, and completed December 8, 1980

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor	<u>11-3/4"</u>			<u>x</u>		<u>19'</u>	<u>19'</u>	<u>Cemented to surface</u>
Fresh water	<u>8-5/8"</u>							
Coal	<u>8-5/8"</u>			<u>x</u>		<u>915'</u>	<u>915'</u>	<u>" " Size"</u>
Intermediate								
Production	<u>4 1/2"</u>			<u>x</u>		<u>5000'</u>	<u>5000'</u>	<u>1350' Depth set</u>
Tubing								
Liners								<u>Separations: Top Bottom</u>

RECEIVED
JAN 13 1981

OPEN FLOW DATA

Gordon Sand 1670-1682'
Producing formation 4th Sand Pay zone depth 1754-1790 feet
Gas: Initial open flow, ___ Mcf/d Oil: Initial open flow, ___ Bbl/d
All sands - Final open flow, 1,958 Mcf/d Final open flow, ___ Bbl/d
Time of open flow between initial and final tests, ___ hours
Static rock pressure, 360# psig (surface measurement) after 24 hours shut in
[If applicable due to multiple completion--]
Second producing formation 5th Sand 1878-1898'
Elk Sand Pay zone depth 4858-4896 feet
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 measurement) after ___ hours shut in

(Continue on reverse side)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

DEC - 5 1980

OIL & GAS DIVISION
INSPECTOR'S WELL REPORT DEPT. OF MINES

Permit No. 083-0376

Oil or Gas Well GAS
KIND

Company <u>Allegheny Land & Min</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>CLARKSBURG</u>	Size			
Farm <u>Neva McMullen</u>	16			Kind of Packer
Well No. <u>A-927</u>	13			
District <u>Middle Fork</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>12-3-80</u>	8 1/2			
Drilling completed _____ Total depth _____	6 1/2			Depth set
Date shot _____ Depth of shot _____	5.3 16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf top
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf bottom
Volume _____ Cu. Ft.	Liners Used			Perf top
Rock pressure _____ lbs. _____ hrs.				Perf bottom
Oil _____ bbls. 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names UNION DRILLING RIG 11

Remarks:

Move RIG SPD

12-3-80

Robert Stewart

03/22/2024 511

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

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OCT 29 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 083-0376

Oil or Gas Well GAS
(KIND)

Company Allegent Land & Min
 Address CLARKSBURG
 Farm NEVA McMILLAN
 Well No. A-927
 District MIDDLE FORK County RANDOLPH
 Drilling commenced 12-3-80
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Dat _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: OK To Release

10-27-82
DATE

Robert Stewart 03/22/2024 54
DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

WALTER N. MILLER
DIRECTOR

November 6, 1982

Allegheny Land & Mineral Company
P. O. Box 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:

<u>PERMIT NO.</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RAN-0375	Capling/AMAX Coal Co., #A-916	Roaring Creek
RAN-0376	Neva McMullan, #A-927	Middle Fork
RAN-0377	Neva McMullan, #A-934	Middle Fork
RAN-0548	Catholic University, #A-1062	Roaring Creek
RAN-0555	B. H. Leigh, #A-1022	Middle Fork
RAN-0556	Gilbert E. Thomason, #A-1071	Middle Fork
RAN-0557	Robert E. Maxwell, et al, #A-1035	Middle Fork
RAN-0564	E. V. Harshbarger, #A-1007	Roaring Creek
RAN-0570	Goff-Arnold, #A-1155	Middle Fork
RAN-0571	Vada Simmons, et al, #A-1083	Roaring Creek
RAN-0582	Goff-Arnold, #A-1114	Roaring Creek
RAN-0583	Goff-Arnold, #A-1115	Roaring Creek

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

A- 927

RECEIVED

FERC-121

APR 6 1981

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0376			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA		OIL & GAS DIVISION DEPT. OF MINES N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5063' 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. 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.)	Middle Fork District Field Name Randolph County W. Va. State			
(b) For OCS wells:	N/A Area Name Block Number Date of Lease: Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	A - 927			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Gordon - 4th			
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		004030 Buyer Code	
(b) Date of the contract:	Not in line! Mo. Day Yr.			
(c) Estimated annual production:	Not in line! MMcf.			
	(a) Base Price (\$/MMBTU)	(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.)	2.428	0.242	0.242	2.912
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.428	0.242	0.242	2.912
9.0 Person responsible for this application:	Daniel L. Wheeler Vice-Pres. Land Dept. Name Title Signature 4-3-81 304-623-6671 Date Application is Completed Phone Number			
Agency Use Only				
Date Received by Juris. Agency	APR 6 1981			
Date Received by FERC				

FT7900206.2-2

03/22/2024

PARTICIPANTS:

DATE: JUN 25 1981

BUYER-SELLER CODE

WELL OPERATOR: Allegheny Land & Mineral Co.

000333

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER:

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
81-4-6 103-083-0376
 Use Above File Number on all Communications
 Relating to Determination of this Well

ck. map 1500'
 012 good
 No GOR

Qualifies J. H. Huggins

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 Items not completed - Line No. _____
- 2. IV-1 Agent James B. Gehr
- 3. IV-2 Well Permit
- 4. IV-6 Well Plat
- 5. IV-35 Well Record 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. Complete?
- 10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey _____ Logs _____ Geological Charts _____
 Structure Map _____ 1: 4000 Map _____ Well Tabulations _____
 Gas Analyses _____
- (5) Date commenced: 12-3-80 Date completed 12-8-80 Deepened _____
- (5) Production Depth: 1670-82, 1734-90, 1878-98, 4858-96
- (5) Production Formation: Gordon, 4th, 5th, Elk
- (5) Final Open Flow: 1958 mcf
- (5) After Frac. R. P. 360# 24 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Report _____
- (5) Oil Production: _____ From Completion Report _____
- 10-17. Does lease inventory indicate enhanced recovery being done NO
- 10-17. Is affidavit signed? Notarized?

Does official well record with the Department confirm the submitted information 03/29/2034

Additional information _____ Does computer program confirm? _____

Was Determination Objected to _____ By Whom? _____

5

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

Date 4-3 19 81

Operator's Well No A-927

API Well No. 083 - 0376
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL
NGPA Section 103

DESIGNATED AGENT Allegheny Land & Mineral Co.

ADDRESS P.O. Drawer 1740

Clarksburg, W.Va. 26301

WELL OPERATOR Allegheny Land & Mineral Co.

LOCATION: Elevation 2380'

ADDRESS P.O. Drawer 1740

Watershed Long Run

Clarksburg, W.Va. 26301

Dist Middle Fork County Randolph Quad Cassety 7, 5'

GAS PURCHASER Columbia Gas Transmission Corp.

Gas Purchase Contract No. N/A

ADDRESS 1700 MacCorkle Ave. S.E.

Meter Chart Code

Charleston, W.Va. 25314

Date of Contract

* * * * *

Date surface drilling was begun: 12-3-80

Indicate the bottom hole pressure of the well and explain how this was calculated:

Rock Pressure was 360# PSIG at the surface.

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 gas 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.

James B. Gehr
President

Allegheny Land & Mineral Co.

STATE OF WEST VIRGINIA,

COUNTY OF Harrison, TO WIT:

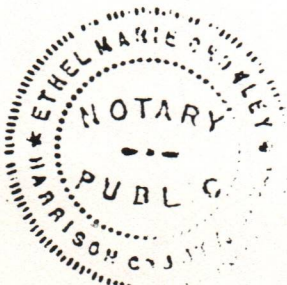
I, Ethel Marie Crowley, Notary Public in and for the state and county aforesaid, do certify that James B. Gehr, whose name is signed to the writing above, bearing date the 3rd day of April, 1981, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 3rd day of April, 1981.

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

[NOTARIAL SEAL]

Ethel Marie Crowley
Notary Public
Ethel Marie Crowley



03/22/2024