

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 for drilling. This permit shall expire if operations have not commenced by 12-8-81
John Budette
Deputy Director - Oil & Gas Division



RECEIVED

MAR 17 1981

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

OIL and GAS DIVISION

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE March 12, 1981

Coal, Oil & Harry McMullan, III, Agent
Gas Owner: P. O. Box 8
Washington, North Carolina 27889

ALLEGHENY LAND AND MINERAL COMPANY

Company P. O. Drawer 1740
Address Clarksburg, West Virginia 26301

Farm McMullan Acres 9,757

Location (waters) Long Run

Surface Westvaco
Owner: 203 Randolph Avenue
Elkins, West Virginia 26241

Well No. A-1012 Elevation 3242'

District Middle Fork County Randolph

Quadrangle Cassity 7.5'

Coal Lessee: International Coal Company
Greenbrier Valley Building
119 Washington Street, East
Lewisburg, West Virginia 24901

INSPECTOR TO BE Robert S. Stewart
NOTIFIED: P. O. Box 345
Jane Lew, West Virginia 26378

AMAX Coal Company
105 South Meridan Street
Indianapolis, Indiana 46225

ADDRESS:
PHONE: 884-7782

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated May 1, 1973 by Estate of Harry McMullan, Jr., etal made to Columbia Gas Transmission and recorded on the 16th day of August 1973, in Randolph County, Book 283 Page 408

NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required 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 mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours,

(Sign Name) ALLEGHENY LAND AND MINERAL COMPANY

BY: *Daniel L. Wheeler*

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

Office of Oil and Gas
1615 Washington Street, East
Charleston, West Virginia
Area Code 304 348-3092 348-3096

Address of Well Operator

Daniel L. Wheeler, Vice President
P. O. Box 1740
Clarksburg, West Virginia 26301

*SECTION 3....If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

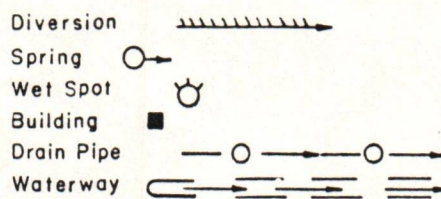
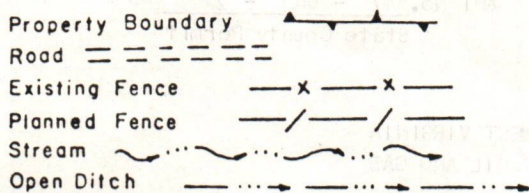
47 - 083 - 0438 PERMIT NUMBER

"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."

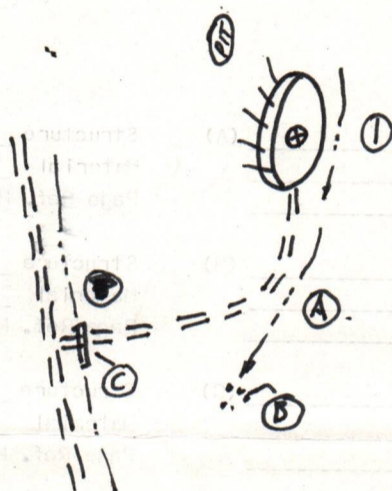
Signed by *Daniel L. Wheeler*

WELL SITE PLAN

Legend:



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.



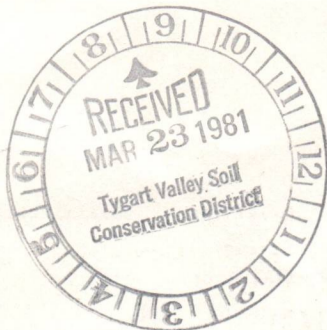
COMMENTS: Slope of access road 2% -- Cuts to be on a 2:1 slope or less -- Access road subject to change by company or landowner -- All ditches and culverts will be maintained after construction is completed -- Reclamation to be performed by Halls Reclamation, Inc.

Signature: J. Russell Cullen 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.

Form IV-9
(01-80)



RECEIVED

Date March 16, 1981

Well No. A-1012

API No. 47 - 083 - 0438

State County Permit

APR - 8 1981

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Allegheny Land & Mineral Co.
Address P. O. Box 1740
Clarksburg, West Virginia
Telephone 623-6671
Landowner Westvaco

Designated Agent J. Ronald Cullen
Address P. O. Box 1740
Clarksburg, West Virginia
Telephone 623-6671
Soil Cons. District Tygart Valley

Revegetation to be carried out by Halls Reclamation, Inc. (Agent)

This plan has been reviewed by Tygart Valley SCD. All corrections
and additions become a part of this plan. 4-3-81 (Date) J. Ronald Cullen (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>Rip-Rap</u> (B) Spacing <u>Rock</u> Page Ref. Manual <u>N/A</u>	Structure _____ (2) Material _____ Page Ref. Manual _____
Structure <u>CULVERTS</u> (C) Spacing <u>12" MIN I.D.</u> Page Ref. Manual <u>1-8</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

Lime 2.5 3 Tons/acre
or correct to pH 6.5

Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Straw 2 lbs/acre
Seed* Kentucky 31 Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Domestic Ryegrass 10 lbs/acre

TREATMENT AREA II

Lime 2.5 3 Tons/acre
or correct to pH 6.5

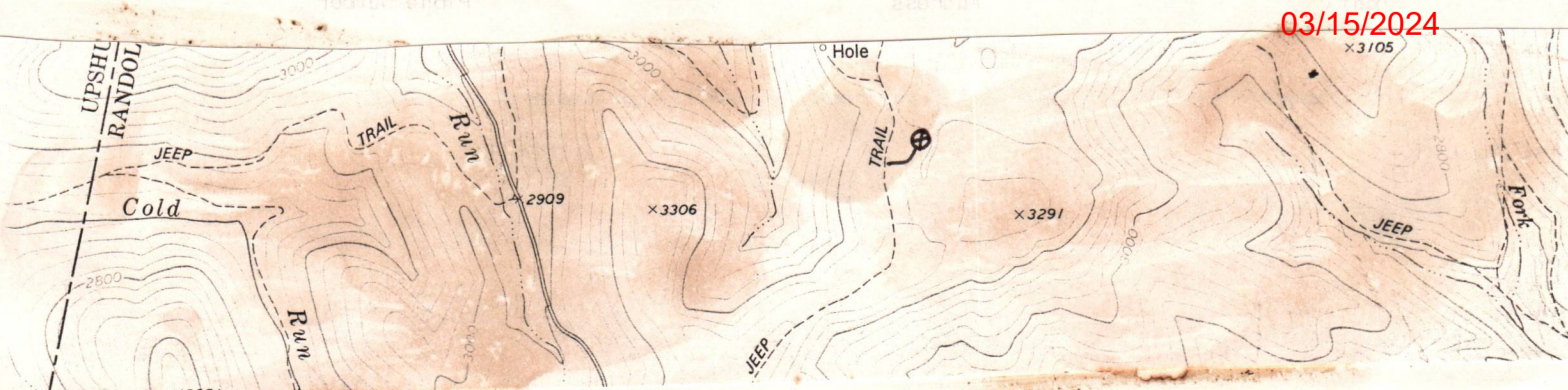
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)

Mulch Straw 2 lbs/acre
Seed* Kentucky 31 Fescue 40 lbs/acre
Birdsfoot Trefoil 10 lbs/acre
Domestic Ryegrass 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



03/15/2024

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	*Remarks
5th			2485	2584		
Speechley			2584	2800		
Sand & Shale			2800	3863		
Riley Sand			3863	4088		
Benson			4088	4101		
Sand & Shale			4101	5600 T.D.		
Well was Fractured June 12, 1981 by Halliburton						
Perforations: 2397' -2405' 16 holes						
3398' -3401' 9 holes						
3410' -3412' 4 holes						
3424' -3425' 3 holes						
5264' -5266' 3 holes						
5272' -5276' 10 holes						
5277' -5279' 3 holes						

03/15/2024

Date: June 22, 1981

APPROVED A. J. Sabatino Owner
Vice President Oil & Gas Productions

OG-10
9-71



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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JUN 24 1981

OIL and GAS DIVISION
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Cassity 7.5'

Permit No. 47-083-0438

Rotary XX Oil
Cable Gas XX
Recycling Comb.
WaterFlood Storage
Disposal
(Kind)

Company <u>Allegheny Land & Mineral Co.</u>	Casing and Tubing	Used in Drilling	Left In Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1740, Clarksburg, W.Va. 26301</u>	Size			
Farm <u>McMullan</u> Acres <u>9,757</u>	<u>20-16</u>			
Location (water) <u>Long Run</u>	Cond. <u>1 3/4</u>	<u>14'</u>	<u>14'</u>	
Well No. <u>A-1012</u> Elev. <u> </u>	<u>13-10"</u>			
District <u>Middle Fork</u> County <u>Randolph</u>	<u>9 5/8</u>			
The surface is owned in fee by <u>Westvaco</u>	<u>8 5/8</u>	<u>1118.75'</u>	<u>1118.75'</u>	<u>w/275 sks. to surface</u>
Address <u>203 Randolph Ave., Elkins, W.Va.</u>	<u>7</u>			
Mineral rights are owned by <u>Harry McMullan etal</u>	<u>5 1/2</u>			
Address <u>P.O. Box 8, Washington, NC</u>	<u>4 1/2</u>	<u>5430.28'</u>	<u>5430.28'</u>	<u>650 sks. 4000'</u>
Drilling Commenced <u>May 22, 1981</u>	<u>3</u>			
Drilling Completed <u>May 31, 1981</u>	<u>2</u>			
Initial open flow <u>8,870</u> cu.ft. <u> </u> bbls.	<u>Liners Used</u>			
Final production <u>1517M</u> cu.ft. per day <u> </u> bbls.				
Well open <u>2</u> hrs before test <u>600</u> RP.				

Well treatment details:

Attach copy of cementing record.

4th Sand treated w/ 500 gal 15% HCL 765 bbls fluid 60,000# 20/40

Bradford sand treated w/500 gal 15% HCL 609 bbls fluid 45,000# 20/40

Elk sand treated w/500 gal 15% HCL 810 bbls fluid 60,000# 20/40

Coal was encountered at 31-34,195-199,295-298 338-341,493-497,567-570 & 802-807 Feet Inches
Fresh water 60' and 500' Feet Salt water Feet
Producing Sand 4th, Bradford & Elk Depth

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	*Remarks
Sand & Shale			0	31	1/2" stream H ₂ O @ 60'	
Coal			31	34	1/2" stream H ₂ O @ 500'	
Sand			34	195		
Coal			195	199		
Sand			199	295	Gas ck @ 1448' no show	
Coal			295	298	" " " 1695' " "	
Sand & Shale			298	338	" " " 1850' " "	
Coal			338	341	" " " 2069' " "	
Sand & Shale			341	493	" " " 2412' " "	
Coal			493	497	" " " 2506' " "	
Sand & Shale			497	567	" " " 2600' 14.90MCF	
Coal			567	570	" " " 2880' 45,784CF	
Sand & Shale			570	802	" " " 3819' 45,784CF	
Coal			802	807	" " " 4321' 8,870CF	
Sand & Shale RR			807	1452	" " " 4759' 8,870CF	03/15/2024
L. Lime			1452	1487	" " " 5259' 8,870CF	
Sand & Shale			1487	1497	" " " 5600' TD8,870CF	
Big Lime			1497	1520		
Big Injun			1694	1815		
Sand & Shale			1815	2485		

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

INSPECTOR'S WELL REPORT

Permit No. 083-0438

Oil or Gas Well GAS
KIND

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>Allegheny Land & Min</u>				
Address <u>CLARKSBURG</u>	Size			
Driller <u>HARRY McMullen</u>	16			Kind of Packer
Well No. <u>A-1012</u>	13			
District <u>MIDDLE FORK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>5-22-81</u>	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 3/4			
Date shot _____ Depth of shot _____	5 3/16			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. top
Volume _____ Cu Ft.	Liners Used			Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED _____ SIZE _____ No. FT _____ Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Union Rig-9

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MAY 27 1981

Remarks: Move Rig SPUD

OIL & GAS DIVISION
DEPT. OF MINES

Robert Stewart
DISTRICT INSPECTOR

5-22-81
DATE

03/15/2024

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

INSPECTOR'S WELL REPORT

Permit No. 083-0438

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>HARRY Mc MULLEN</u>	16			Kind of Packer
Well No. <u>A-1012</u>	13			
District <u>MIDDLE FORK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>5-22-81</u>	8 1/4			
Drilling completed _____ Total depth _____	6 3/4			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 _____

Remarks: O.K. To Release

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JUL 15 1981

OIL & GAS DIVISION
DEPT. OF MINES

7-13-81
DATE

Robert Stewart 571
03/15/2024
DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

7-16-81

WALTER N. MILLER
DIRECTOR

ALLEGHENY LAND & MINERAL CO.
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 #	FARM	WELL #
083-0261	Neva McMullan	A-816
083-0263	Moore-Kepple-McMullan	A-819
083-0274	Neva McMullan	A-841
083-0292	Woody Lumber Co.	A-872
083-0411	Ernest Hutton	A-974
083-0423	Ernest Hutton	A-075
083-0438	Harry McMullan, III	A-1012

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,

Fred Burdette

fb/rg

A-1012 RECEIVED

FERC-121

JUL 7 - 1981

1.0 API well number: (If not available, leave blank. 14 digits.)	<u>47-083-0438</u> OIL & GAS DIVISION			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<u>103</u> Section of NGPA		<u>N/A</u> Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	<u>5600 T.O.</u> feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Allegheny Land & Mineral Co.</u> Name		<u>000333</u> Seller Code	
	<u>P.O. Drawer 1740</u> Street			
	<u>Clarksburg, W</u> City	<u>W.Va.</u> State	<u>26301</u> Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Middle Fork</u> District Field Name			
	<u>Randolph</u> County		<u>W.Va.</u> State	
(b) For OCS wells:	<u>N/A</u>			
	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.)	<u>A - 1012</u>			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	<u>4th - Bradford - Elk</u>			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Columbia Gas Transmission Corp.</u> Name		<u>004030</u> Buyer Code	
(b) Date of the contract:	<u>N/A</u>			
(c) Estimated annual production:	<u>not in line!</u> 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.)	<u>2.476</u>	<u>0.247</u>	<u>0.247</u>	<u>2.970</u>
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<u>2.476</u>	<u>0.247</u>	<u>0.247</u>	<u>2.970</u>
9.0 Person responsible for this application:	<u>Daniel L. Wheeler</u> Name		<u>Vice-Pres. Land Dept.</u> Title	
Agency Use Only	<u>Daniel L. Wheeler</u> Signature			
Date Received by Juris, Agency	<u>7-6-81</u> Date Application is Completed			
Date Received by FERC	<u>304-623-6671</u> Phone Number			

FT7900806/2-2

03/15/2024

PARTICIPANTS:

DATE: AUG 11 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
810707 -103-083-0438
 Use Above File Number on all Communications
 Relating to Determination of this Well

*Deferred for BHP calculation
 Qualifier J. Muzzy*

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. Gehe
- 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: 5-22-81 Date completed 5-31-81 Deepened _____
- (5) Production Depth: 2397-2405, 3398-3425, 5264-79
- (5) Production Formation: 4th, Bradford, Elk
- (5) Final Open Flow: 1517 MCF
- (5) After Frac. R. P. 600# 2 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? yes 03/15/2024
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

J

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

Date 7-6 19 81
Operator's Well No. A-1012
API Well No. 47 - 083 - 0438
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.
ADDRESS P.O. Drawer 1740
Clarksburg, W.Va. 26301
GAS PURCHASER Columbia Gas Transmission Corp.
ADDRESS 1700 MacCorkle Ave. S.E.
Charleston, W.Va. 25314

LOCATION: Elevation 3242'
Watershed Long Run
Dist. Middle Fork County Randolph Quad. Cassity 7.5
Gas Purchase Contract No. N/A
Meter Chart Code N/A
Date of Contract N/A

* * * * *

Date surface drilling was begun: 5-22-81

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

Rock Pressure was 600 # 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.

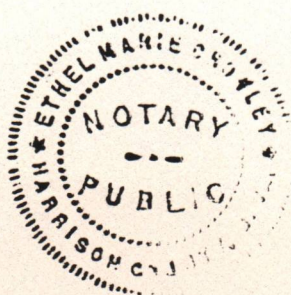
James B. Gehr
President
Allegheny Land & Mineral Co.

STATE OF WEST VIRGINIA,
COUNTY OF Harrison, TO WIT:

I, Ethel Marie Crowley, a 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 6th day of July, 1981, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 6th day of July, 1981. My term of office expires on the 20th day of December, 1989.

[NOTARIAL SEAL]

Ethel Marie Crowley
Notary Public
Ethel Marie Crowley



03/15/2024