

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 11-19-80.

Robert S. Stewart

Deputy Director - Oil & Gas Division

Date: March 4, 19 80

Operator's Well No. A-868

API Well No. 47 - 083 -0311
State Co. Permit

HD 3/11/80

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas XX /
(If "Gas", Production / underground storage / Deep / Shallow XX /

LOCATION: Elevation: 2484' Watershed: Kettle Run
District: Roaring Ck County: Randolph Quadrangle: Ellamore 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. Designated Agent ALLEGHENY LAND & MINERAL CO.
Address P.O. Box 1740 Address: P.O. BOX 1740
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

OIL & GAS ROYALTY OWNER Mary K. Hedrick
Address 1632 Taylor Avenue
Elkins, West Virginia 26241
Acreage 155.50
SURFACE OWNER Mary K. Hedrick
Address 1632 Taylor Avenue
Elkins, West Virginia 26241
Acreage 155.50

COAL OPERATOR None
address
Coal Owner(s) With Declaration On Record:
NAME Roaring Creek Coal Company
Address 105 South Meridan Street
Indianapolis, Indiana 46200
NAME
Address

FIELD SALE (IF MADE) TO:
Name Columbia Gas Transmission Corp.
Address P. O. Box 498
Washington, Pennsylvania 15301
OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert S. Stewart
Address P. O. Box 345
Jane Lew, West Virginia 26378
Telephone 884-7782

COAL LESSEE WITH DECLARATION ON RECORD:
NAME
Address
MAR - 5 1980

OIL & GAS DIVISION
DEPT. OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XX / other contract / dated July 24, 1973, to the undersigned well operator from Mary K. Hedrick, widow unto Allegheny Land and Mineral Company

Recorded on July 24, 1973, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in Deed book 284 at page 215. A permit is requested as follows:

PROPOSED WORK: Drill XX / DRILL DEEPER / REDRILL / FRACTURE OR STIMULATE / PLUG OFF OLD FORMATION / Perforate new formation / other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code S 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and Coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

ALLEGHENY LAND & MINERAL COMPANY
Well Operator:

By *Daniel L. Wheeler*
Daniel L. Wheeler
Vice President

03/29/2024

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING COMPANY
 Address P.O. BOX 40
BUCKHANNON, WEST VIRGINIA 26201

GEOLOGICAL TARGET FORMATION, Elk
 Estimated depth of completed well, 5200 feet Rotary XX / Cable tools /
 Approximate water strata depths: Fresh, 60-80 feet; salt, feet.
 Approximate coal seam depths: 316-320 is coal being mined in the area?
 Yes / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SIZE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (cubic ft.) Packers		
		GRADE	Weight Per ft.	New	Used	For drilling	left in well		
Conductor	16"				X	20'	20'	cement to surface	kinds
Fresh Water	8-5/8"								
Coal	8-5/8"		20#	X		600'	600'	cement to surface	sizes
Intermediate									
Production	4 1/2"		J 55 10.50#	X		5200'	5200'	cement to 300' above producing horizon	depths set
Tubing									
Liners									perfor- ations: Top bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code S 22-4-2, (iii) Form IV-9, " Reclamation Plan", applicable to the reclamation required by Code S 22-4-12B and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code S 22-4-12a, and (v) if applicable, the consent required by Code S 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

The Following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code S 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

03/29/2024

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 19

Date: March 4, 1980

Operator's Well No. A-868

API Well No. 47-083 - State County Permit

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

RECLAMATION PLAN

WELL OPERATOR Allegheny Land & Mineral Co DESIGNATED AGENT Allegheny Land & Mineral
Address P. O. Drawer 1740 Address P. O. Drawer 1740
Clarksburg, WV 26301 Clarksburg, WV 26301

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has ___/ has not XX/ been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)

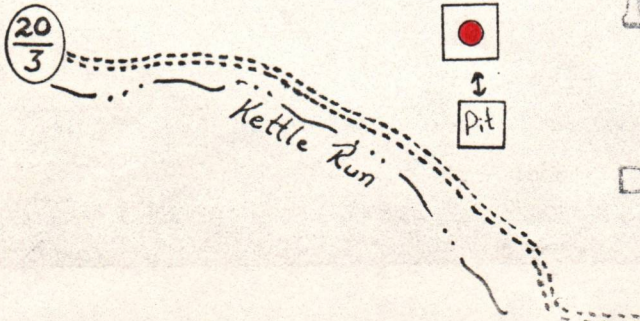


STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

● Designates Location A-868
Ellamore 7.5' Quad.

Location will be ditched to disperse water without causing erosion. Road will be culverted to prevent erosion and provide for proper drainage where needed. After well is completed, surface will be restored to its original contour or as near as possible to its original contour. Area will then be seeded and mulched down.

Ditched



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MAR - 5 1980

03/29/2024

ALLEGHENY LAND & MINERAL COMPANY
Well Operator

OIL & GAS DIVISION
DEPT. OF MINES

By Daniel L. Wheeler
Daniel L. Wheeler
Vice President

AMAX COAL COMPANY
A DIVISION OF AMAX INC.

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

March 12, 1980

RECEIVED
MAR 18 1980

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

OIL & GAS DIVISION
DEPT. OF MINES

Re: Permit Application - Allegheny Land & Mineral Co.
Operators Well #A-868
Roaring Creek District
Randolph County, West Virginia

Dear Sirs:

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

1. All drilling and casing of the well shall be done in compliance with the laws and regulations of the State of West Virginia for wells drilled through workable coal beds.
2. All workable coal seams regardless of depth shall be plugged in accordance with the rules and regulations of the State of West Virginia, specifically as outlined in Article 4, Chapter 22 of the West Virginia Code.
3. AMAX will be given at least 72 hours notice prior to plugging a dry hole or setting production string in a productive well. Please contact Mr. David Darko (317/266-2633) or Mr. James Faber (317/266-2797).
4. A complete drillers' log of the well from surface to total depth shall be sent to AMAX upon completion of the hole and a copy of such log shall be made available to any AMAX representative upon his arrival at the well site.

03/29/2024

Department of Mines
Page Two
March 12, 1980

5. Allegheny Land and Mineral Company will provide AMAX with a density and natural gamma log covering the interval from total depth to surface. In addition, one copy of any other geophysical log shall be sent to AMAX. However, AMAX Coal Company retains the option to run their own logs or have this service contracted out. Please contact Mr. David Darko (317/266-2633) for questions on this procedure.

6. Copies of the completion report and plugging affidavit if applicable, shall be sent to AMAX Coal Company, Attention: James W. Faber.

Sincerely,



Robert J. Reynolds,
Senior Geologist

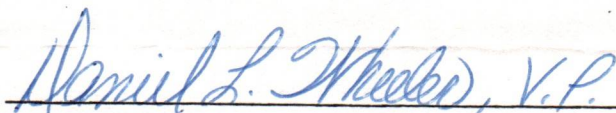
for James W. Faber, Manager
Development Geology

RJR/mdt

Enclosures

cc: Allegheny Land and Mineral Company
David Darko

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



Representative of Allegheny Land and Mineral

3/17/80
(Date)

03/29/2024

[08-78]

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

Well was fractured May 8, 1980 by Halliburton.

Perforations: 2175 - 2207' - 16 holes

5093 - 5103' - 16 "

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Sand			0	320	Water - 1/2" Stream @ 50'
Sand & Shale			320	506	
COAL *****			506	511	COAL *****
Sand & Shale			511	1228	
Big Lime			1228	1400	
Injun Sand			1400	1470	
Sand & Shale			1470	2068	
4th Sand			2068	2080	
Sand & Shale			2080	2168	
5th Sand			2168	2208	
Sand & Shale			2208	2432	
Speechly Sand			2432	2446	
Sand & Shale			2446	3694	
Riley Sand			3694	3714	
Sand & Shale			3714	3897	
Benson Sand			3897	3912	
Sand & Shale			3912	5084	
Elk Sand			5084	5106	
Shale			5106	5360	
		total depth		5360	(Driller)

(Attach separate sheets to complete as necessary)

Allegheny Land & Mineral Co.

Well Operator

By Claron Dawson

Its Supt.

03/29/2024

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."

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MAY 21 1980

Date: May 15, 19 80
Operator's Well No. A-868
API Well No. 47 - 083 - 0311
State County Permit

**OIL & GAS DIVISION
DEPT. OF MINES**

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 / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 2484' Watershed: Kettle Run
District: Roaring Creek County: Randolph Quadrangle: Ellamore 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT 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 / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON March 4, 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, 5360 feet Rotary / Cable Tools _____
Water strata depth: Fresh, 50 feet; salt, _____ feet.
Coal seam depths: 506-511 Is coal being mined in the area? _____
Work was commenced April 27, 19 80, and completed May 5, 19 80

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	11-3/4"			x		20'	0	Kinds
Fresh water	8-5/8"							
Coal	8-5/8"			x		1075'	1075'	Cemented to surface
Intermediate								
Production	4 1/2"			x		5209'	5209'	1859' set
Tubing								
Liners								Perforations: Top Bottom

OPEN FLOW DATA

5Th Sand

----- 2168-2208'

Producing formation Benson Sand

Pay zone depth 3897-3912 feet

Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d

All sands - Final open flow, 1,517 Mcf/d Final open flow, _____ Bbl/d

Time of open flow between initial and final tests, _____ hours

Static rock pressure, 620# psig (surface measurement) after 72 hours shut in

[If applicable due to multiple completion--]

Second producing formation Elk Sand

Pay zone depth 5084-5106 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)

03/29/2024

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

INSPECTOR'S WELL REPORT

Permit No. 083-0311

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>MARY K. Hedrick</u>	16			Kind of Packer
Well No. <u>A-868</u>	13			
District <u>BEARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>4-28-80</u>	8 1/4			Depth set
Drilling completed _____ Total depth _____	6 5/8			
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			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

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APR 30 1980

OIL & GAS DIVISION
DEPT. OF MINES

Drillers' Names Union DRILLING RiG = 8

Remarks:
Move RiG SPUD

4-28-80
DATE

Robert Stewart 03/29/2024 511
DISTRICT WELL INSPECTOR

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

INSPECTOR'S WELL REPORT

Permit No. 083-0311

Oil or Gas Well GAS
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
<u>Allegheny Land & Min</u>	Size			
<u>CLARKSBURG</u>	16			Kind of Packer
<u>MARY K. Hedrick</u>	13			
<u>A-868</u>	10			Size of
<u>Bearing Creek</u> County <u>RANDOLPH</u>	8 1/4			
<u>4-28-80</u>	6 3/4			Depth set
	5 3/16			
	3			Perf. top
	2			Perf. bottom
	Liners Used			Perf. top
				Perf. bottom

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks:
O.K. To Release

9-3-81
DATE

Robert St...
08/29/2024
DISTRICT WELL INSPECTOR



State of West Virginia

Department of Mines
Oil 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:

<u>PERMIT NO.</u>	<u>FARM AND WELL NO.</u>	<u>DISTRICT</u>
RAN-0286	Neva McMullan/Westvaco #A-844	Roaring Creek
RAN-0290	Neva McMullan/Westvaco #A-840	Middle Fork
RAN-0291	Robert E. Maxwell, et al #A-859	Middle Fork
RAN-0305	G. H. Norvell, et al #A-867	Roaring Creek
RAN-0306	Coastal Lumber Co./M. Ross et al #A-852	Middle Fork
RAN-0307	G. H. Norvell, et ux #A-888	Roaring Creek
RAN-0311	Mary K. Hedrick #A-868	Roaring Creek
RAN-0317	Lucian R. Whitmor #A-873	Roaring Creek
RAN-0318	Lucian R. Whitmore #A-896	Roaring Creek
RAN-0337	J. C. Michaels Heirs #A-895	Roaring Creek
RAN-0339	Neva McMullan, exec #A-903	Middle Fork
RAN-0342	Neva McMullan, exec #A-902	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.....

Very truly yours,

Fred Burdette

A-868

FERC-121

RECEIVED

JUN 4 1980

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0311			
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 Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5360' 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 City		W.Va. State	26301 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.)	Roaring Creek Field Name Randolph County		District 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 - 868			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	5th - Benson			
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:	N/A 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.)	2.221	0.222	0.222	2.665
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.221	0.222	0.222	2.665
9.0 Person responsible for this application:	Daniel L. Wheeler Name Signature 5/29/80 Date Application is Completed			
Agency Use Only	Vice-Pres. Land Dept. Title 304-623-6671 Phone Number			
Date Received by Juris. Agency	JUN 4 1980			
Date Received by FERC				

FT7900206:2-2

03/29/2024

Allegany Land & Mineral Co.

0003

Columbia Gas Trans. Corp.

0040

DEC 15 1980

Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER

Computer OK
Map OK

00604. 103. 083. 0311

Qualifies J. H. Huzzey

Above File Number on all Communications

relating To Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

0.

FERC-121 Items not completed - Line No. _____

IV -1 Agent James B. Gehl

IV-2 Well Permit

IV.6 Well Plat

IV-35 Well Record Drilling Deepening

IV-36 Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____

IV-39 Annual Production No Prod years

IV-40 90 day Production _____ Days off Line: _____

IV-48 Application for certification. Complete?

IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? AFFIDAVIT SIGNED

Other: Survey _____ Logs _____ Geological Charts _____

Structure Map _____ 1:4000 Map _____ Well Tabulations _____
Gas Analyses _____

Date commenced: 4/27/80 Date completed 5/5/80 Deepened _____

Production Depth: 2168/2208; 3897/3912; 5084/5106

Production Formation: 5th; Benson; Elk;

Final Open Flow: 1517 mcf/d

After Free. R.P. 620 #

Other Gas Test: _____

Avg. Daily Gas from Annual Production: _____

Avg. Daily Gas from 90 day ending w/1 - 170 days _____

Line Pressure: _____

Oil Production: _____ From Completion Report _____

Does lease inventory indicate enhanced recovery being done? No

Is affidavit signed? Notarized?

Official well record with the Department confirm the submitted information? Yes
Does computer program confirm? Yes

Information objected to? _____ By Whom? _____

P.C.

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

Date 5/29 1980
Operator's Well No A-868
API Well No. 47 State 083 County 0311 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 2484
Watershed Kettle Run
District Roaring Creek County Randolph Quad Edmore 7.5
Gas Purchase Contract No. _____
Meter Chart Code N/A
Date of Contract A

* * * * *
Date surface drilling was begun: 4-27-80

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

Rock Pressure was 620 # 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.

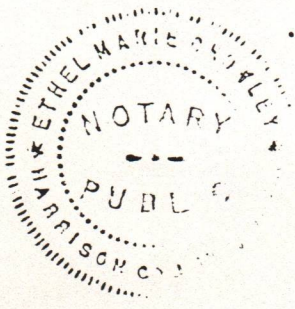
James B. Gehr
President
Allegheny Land & Mineral Co.

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 29th day of May, 1980, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 29th day of May, 1980. My term of office expires on the 20th day of December, 1989.

Ethel Marie Crowley
Notary Public
Ethel Marie Crowley

[NOTARIAL SEAL]



03/29/2024

03/29/2024