

KF 7-17-80

Date: July 15, 1980

Operator's Well No. A-897
API Well No. 47_083 - 344
State County Permit

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas XXX
(If "Gas", Production / Underground storage / Deep / Shallow XX /)
LOCATION: Elevation: 3020' Watershed: Pleasants Run
District: Middle Fork County: Randolph Quadrangle: Cassity 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.
Address P. O. DRAWER 1740 Address P. O. Drawer 1740
CLARKSBURG, WV 26301 CLARKSBURG, WV 26301

OIL & GAS ROYALTY OWNER Rebecca A. Arnold, etal COAL OPERATOR none
Address 12 South Randolph Avenue Address
Elkins, WV 26241

ACREAGE 950 COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER Rebecca A. Arnold, etal Name Rebecca A. Arnold, etal
Address 12 South Randolph Avenue Address 12 South Randolph Avenue
Elkins, WV 26241 Elkins, West Virginia 26241
ACREAGE 950 Name
Address

FIELD SALE (IF MADE) TO:
Name Columbia Gas Transmission Corp.
Address P. O. Box 498
Washington, PA 15301
COAL LESSEE WITH DECLARATION ON RECORD:
Name none
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert S. Stewart
Address P. O. Box 345
Jane Lew, WV 26378

RECEIVED
JUL 16 1980
OIL & GAS DIVISION
DEPT. OF MINE

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease XXX / other contract / dated June 18, 1971, to the undersigned well operator from Rebecca A. Arnold unto Manufacturers Light & Heat Co. subsequently unto Columbia Gas thence unto Allegheny Land and Mineral Company with drilling rights only. Recorded on Oct. 7, 1971, in the office of the Clerk of the County Commission of Randolph County, West Virginia, in Deed Book 273 at page 578. A permit is requested as follows:

PROPOSED WORK: Drill XXX / 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 § 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

03/22/2024
ALLEGHENY LAND & MINERAL COMPANY
BY: Daniel L. Wheeler
Daniel L. Wheeler
Vice President

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, 5500 feet Rotary XX / Cable tools /
 Approximate water strata depths: Fresh 223, 385 feet; salt, feet.
 Approximate coal seam depths: 593-595 is coal being mined in the area?
 Yes / No XXX /

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		700'	700'	cement to surface sizes
Intermediate								
Production	4 1/2"		J 55 10.50#	X		5500'	5500'	cement to 300' above producing horizon depths set
Tubing								
Liners								perfor- ations: Top botto

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.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

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. ~~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.~~

for drilling . This permit shall expire if operations have not commenced by 4-13-81

Frederic B. ...
Deputy Director - Oil & Gas Division

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

The undersigned coal operator / owner / lessee / of the 03/22/2024 ~~coal~~ 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

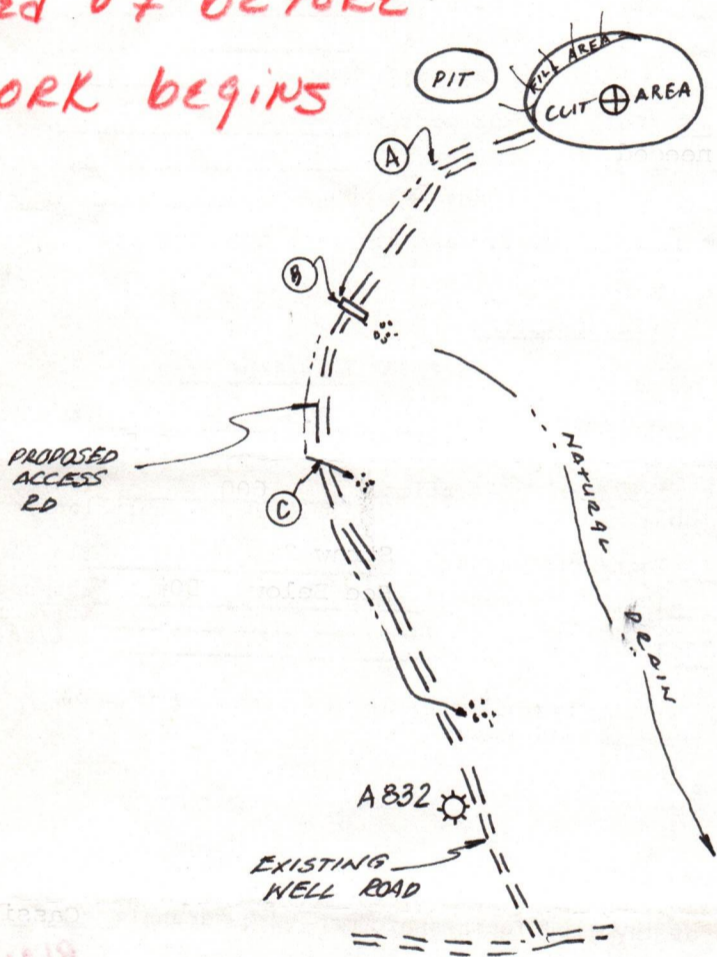
By

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.

All brush should be disposed of before dirt work begins



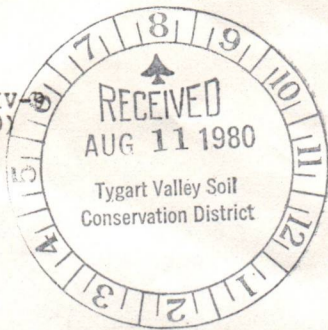
Comments: Slope of Access Road 20%... Cuts to be on a 2:1 slope or less... Timber to be stacked... Ditches to be maintained after construction is completed... Access road subject to change by company or landowner.

Signature: Ronald Cuthen P.O. BOX 1740, Clarksburg, W.V. 623-6671
 Agent Address Phone Number

03/22/2024

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

Form IV-9
(01-80)



Date August 8 19 80
Well No. A-897
API No. 47 - 083 - 344
State County Permit

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name Allegheny Land & Mineral CO Designated Agent J. Ronald Cullen
Address P.O. Box 1740, Clarksburg, WV. Address P.O. Box 1740, Clarksburg, WV.
Telephone 623-6671 Telephone 623-6671
Landowner Rebecca A. Arnold, et.al. 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. 8/11/80 (Date) Jean Freeman (SCD Agent) Junia Hedrick

Access Road	Location
Structure <u>Drainage Ditch</u> (A)	Structure _____ (1)
Spacing <u>Earthen</u>	Material _____
Page Ref. Manual <u>1-10</u>	Page Ref. Manual _____
Structure <u>Culverts</u> (B)	Structure _____ (2)
Spacing <u>12" Min. I.D.</u>	Material _____
Page Ref. Manual <u>1-8</u>	Page Ref. Manual _____
Structure <u>Cross Drains</u> (C)	Structure _____ (3)
Spacing <u>100' + or where needed</u>	Material _____
Page Ref. Manual <u>1-6</u>	Page Ref. Manual _____

All structures should be inspected regularly and repaired if necessary.

Revegetation

Treatment Area I			Treatment Area II		
Lime 2.5 <u>3</u>	Tons/acre	or correct to pH <u>6.5</u>	Lime 2.5 <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 2</u>	Tons/Acre		Mulch <u>Straw 2</u>	Tons/Acre	
Seed* <u>See Below 50#</u>	lbs/acre		Seed* <u>See Below 50#</u>	lbs/acre	
	lbs/acre			lbs/acre	
	lbs/acre			lbs/acre	

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

Kentucky 31 Fescue 30#
Domestic Ryegrass 10#
Birdsfoot Trefoil 10#

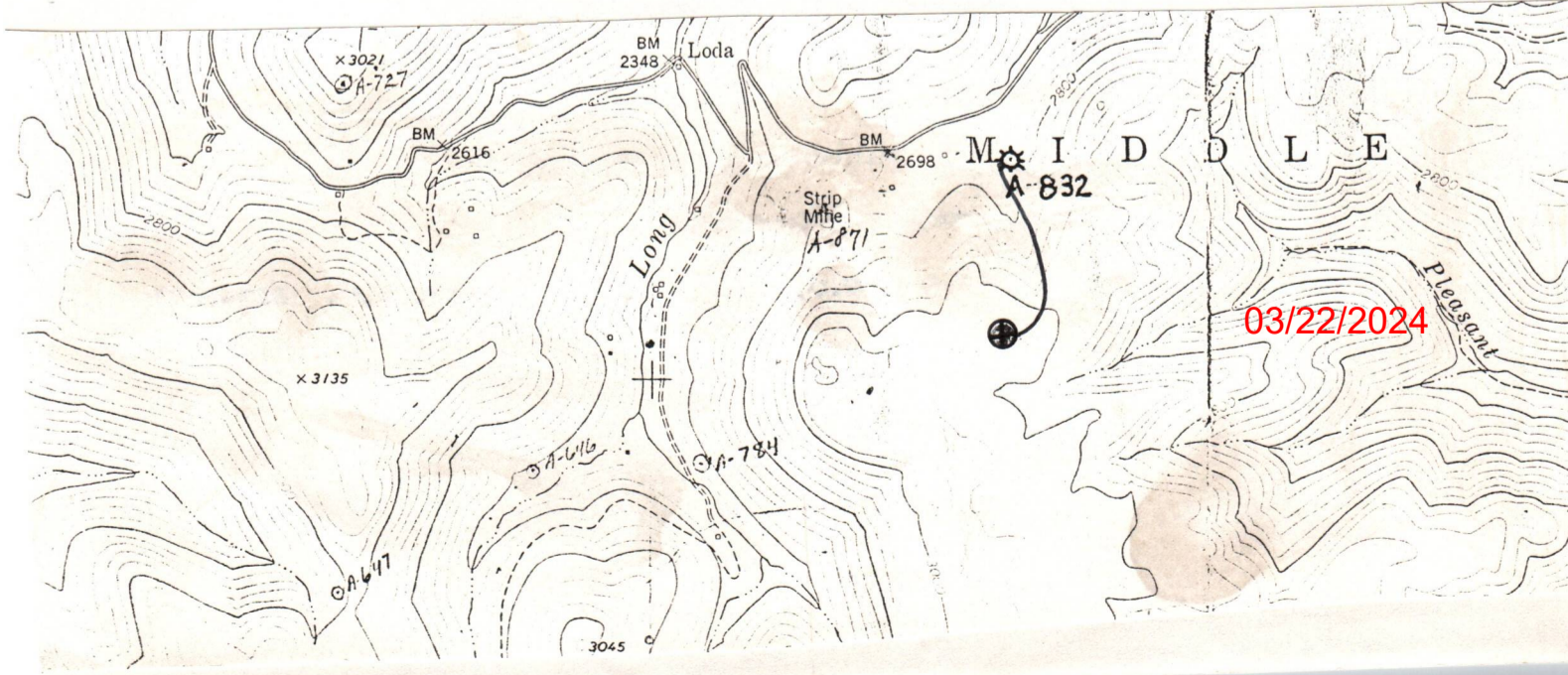


Attach or photocopy section of involved Topographic map. Quadrangle Cassity 7.5

OIL & GAS DIVISION
DEPT. OF MINES

BLANKET BOND

Legend: Well Site
 Access Road



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

Well was fractured 10-14-80 by Halliburton.

Perforations: 2359 - 2367' - 16 holes (Log not on depth)
 2715 - 2719' - 16 "
 5253 - 5265' - 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
Top soil			0	5	
Sand			5	97	Water - 1/2" stream @ 35'
COAL *****			97	99	Coal *****
Sand & Shale			99	427	
COAL *****			427	429	Coal *****
Sand & Shale			429	1520	
Big Lime			1520	1766	
Injun Sand			1766	1840	
Sand & Shale			1840	2363	
5th Sand			2363	2379	
Sand & Shale			2379	2572	
Speechly Sand			2572	2580	
Sand & Shale			2580	2714	
Balltown Sand			2714	2722	
Sand & Shale			2722	3735	
Riley Sand			3735	3748	
Sand & Shale			3748	3920	
Benson Sand			3920	3954	
Sand & Shale			3954	5252	
Elk Sand			5252	5266	
Shale			5266	5486	
		Total depth		5486	(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."

RECEIVED
NOV - 7 1980

Date: October 31, 1980

Operator's Well No. A-897

API Well No. 47 - 083 - 344
State County Permit

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

OIL & GAS DIVISION
WELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas **XXX** / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow **XX**)
LOCATION: Elevation: 3020' Watershed: Pleasants Run
District: Middle Fork County: Randolph Quadrangle: Cassity 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 **x** / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify) _____

PERMIT ISSUED ON July 15, 1980

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____, 19____)

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

GEOLOGICAL TARGET FORMATION: Elk Sand Depth 5500 feet

Depth of completed well, 5486 feet Rotary **x** / Cable Tools _____

Water strata depth: Fresh, 35 feet; salt, _____ feet.

Coal seam depths: 97-99', 427-29' Is coal being mined in the area? _____

Work was commenced September 26, 1980, and completed October 3, 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 c	11-3/4"			x		17'	17'	Kinds
Fresh water	8-5/8"							
Coal	8-5/8"			x		1160'	1160'	Cemented to surface
Intermediate								
Production	4 1/2"			x		5396'	5396'	1996' Depths set
Tubing								
Liners								Perforations: Top Bottom

OPEN FLOW DATA

Producing formation 5th Sand Balltown Sand Pay zone depth 2363-2379' 2714-2722 feet

All sands --- Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 1,032 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, _____ hours

Static rock pressure, 700# psig (surface measurement) after 120 hours shut in

[If applicable due to multiple completion--]

Second producing formation Elk Sand Pay zone depth 5252-5266 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

03/22/2024

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

INSPECTOR'S WELL REPORT

Permit No. 083-0344

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			
Form <u>Rebecca ARNOLD</u>	16			Kind of Packer
Well No. <u>A-897</u>	13			
District <u>MIDDLE FORK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>9-26-80</u>	8 1/4			
Drilling completed _____ Total depth _____	6 1/4			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 UNION DRIG RIG 3

Remarks:

Move RIG - SPD

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SEP 29 1980

OIL & GAS DIVISION
DEPT. OF MINES

9-26-80

03/22/2024 511
Robert Stewart

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

RECEIVED

NOV - 5 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 083-0344

Oil or Gas Well Gas
(KIND)

Company Allegheny Land & Min
 Address CLARKSBURG
 Farm REBECCA ARNOLD
 Well No. A-897
 District MIDDLE FORK County RANDOLPH
 Drilling commenced 9-26-80
 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 3/8			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

11-2-81
DATE

Robert St... 511
0312212024
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 740
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-0344	Rebecca A. Arnold et al #A-897	Middle Fork
RAN-0347	George & Virginia Myles #A-906	Roaring Creek
RAN-0348	Neva McMullan Exec. #A-933	Middle Fork
RAN-0350	Neva McMullan Exec. #A-904	Middle Fork
RAN-0351	Woody Lumber Co. #A-918	Middle Fork
RAN-0352	Neva McMullan Exec. #A-898	Middle Fork
RAN-0353	Neva McMullan Exec. #A-899	Middle Fork
RAN-0354	John Petrice #A-932	Roaring Creek
RAN-0355	Mary K. Hedrick #A-917	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,

Fred Burdette

A-897

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0344	
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5486'	
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	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Middle Fork Field Name Randolph County	
(b) For OCS wells:	N/A Area Name Date of Lease: Mo. Day Yr.	
(c) Name and identification number of this well: (35 letters and digits maximum.)	A-897	
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	5th-Ballt	
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Columbia Gas Transmissio Name	
(b) Date of the contract:	Mo. Day	
(c) Estimated annual production:	Not in h	
	(a) Base Price (\$/MMBTU)	(b) Tax
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.329	0.23
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.329	0.23
9.0 Person responsible for this application:	Daniel L. Wheeler Name Signature 11-19-80 Date Application is Completed	
Agency Use Only Date Received by Juris. Agency NOV 24 1980		

Half of

a copy

03/22/2024

PARTICIPANTS:

DATE:

APR 20 1981

BUYER-SELLER CODE

WELL OPERATOR: Allegheny Land & Mineral Co.

000333

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

map ok

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
90-11-24 -103-083 = 0344
 Use Above File Number on all Communications
 Relating to Determination of this Well

Lucy J. 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 Gerr
- 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 _____
- (1) Date commenced: 9-26-80 Date completed 10-3-80 Deepened _____
- (2) Production Depth: 2363-76, 2714-22, 5252-66
- (3) Production Formation: 5th Belltown, Elk
- (4) Final Open Flow: 1032 MCF
- (5) After Frac. R. P. 700 #
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (9) Line Pressure: _____ PSIG from Daily Rep.
- (10) 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
- Additional information _____ Does computer program confirm? _____
- Was Determination Objected to _____ By Whom? _____

03/22/2024

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

Date 11-19 19 80
Operator's Well No A-897
API Well No. 083 State 0344 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 3020'
Watershed Plessanta Run
Dist. Middle Fork County Randolph Quad Cassity 7.5'
Contract No. N/A
Meter Chart Code N/A
Date of Contract N/A

* * * * *

Date surface drilling was begun: 9-26-80

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

Rock Pressure was 700 # 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.

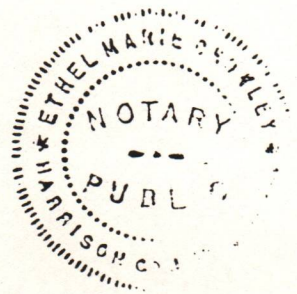
James B. Gehr
President
Allegheny Land & Mineral Co.

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 19th day of November, 19 80, has acknowledged the same before me, in my county aforesaid. Given under my hand and official seal this 19th day of November 19 80. My term of office expires on the 20th day of December, 19 89.

[NOTARIAL SEAL]

Ethel Marie Crowley
Notary Public
Ethel Marie Crowley



03/22/2024