



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL and GAS DIVISION
OIL and GAS WELL PERMIT

WELL NO. A-1188
FARM NAME Arnold
API WELL NO. 47 - 083 - 0650
DATE MARCH 22, 1982

WELL TYPE: Oil / Gas XXX /
If "Gas", Production / Underground storage / Deep / Shallow XXX /
LOCATION: Elevation: 2724' Watershed: Sugar Run
District: Middle Fork County: Randolph Quadrangle: Cassity 7.5'

WELL OPERATOR Allegheny Land and Mineral Company
Address P. O. Drawer 1740
Clarksburg, West Virginia 26301

DESIGNATED AGENT Allegheny Land & Mineral Company
Address P. O. Drawer 1740
Clarksburg, West Virginia 26301

OIL & GAS

ROYALTY OWNER Rebecca Arnold
Address 12 South Randolph Avenue
Elkins, WV 26241

COAL OPERATOR
Address

Acreage 942

COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER Rebecca Arnold
Address 12 South Randolph Avenue
Elkins, WV 26241

Name Rebecca Arnold
Address 12 South Randolph Avenue
Elkins, WV 26241

Acreage 942

FIELD SALE (IF MADE) TO: Columbia Gas Transmission
Address P.O. Box 1273
Charleston, WV 25325

Name
Address

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

Name
Address

The undersigned well operator is entitled to operate for oil or gas purposes as the above location under a deed / lease XX / other contract / dated June 18, 19 71 to the undersigned well operator from Rebecca A. Arnold

(If said deed, lease, or other contract has been recorded:)

Recorded on October 7, 19 71, in the office of the Clerk of the County Commission of Randolph County, West Virginia in 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
1613 WASHINGTON STREET, EAST
CHARLESTON, WV 25311
Telephone (304) 348-3092

RECEIVED
MAR 23 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

ALLEGHENY LAND AND MINERAL COMPANY
10/20/2023
APPROVED FOR
BY: Daniel L. Wheeler
Daniel L. Wheeler, Vice President
P. O. Drawer 1740
Clarksburg, West Virginia 26301

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, Inc.

P. O. Drawer 1740

Buckhannon, West Virginia 26201

GEOLOGICAL TARGET FORMATION, E1k

Estimated depth of completed well 5300' feet Rotary XXX / Cable tools /

Approximate water strata depths: Fresh, None feet; salt, feet.

Approximate coal seam depths: 107-111 Is coal being mined in the area? Yes / No XX /

CASING AND TUBING PROGRAM 724-726

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP or SACKS (Cubic Feet)	PACKERS Kinds
	Size	Grade	Weight per ft.	New	Used	For Drilling	Left in well		
Conductor	16"				X	20'	20'	cement to surface	
Fresh Water	8-5/8"								Sizes
Coal	8-5/8"		20#	X		800'	800'	cement to surface	
Intermediate									Depths set
Production	4-1/2"		J-55 10.50#	X		5300'	5300'	cement to 300' above producing horizon or as required by Rule 15.01	
Tubing									Perforations:
Liners									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 form prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9 "Reclamation Plan", applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §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 §22-4-20, if the permit is to be issued with fifteen (15) days of receipt thereof.

WAIVER

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 by the West Virginia Code and the governing regulations.

Date: 19 BY:

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 12-8-82.
 BY *[Signature]*

10/20/2023
file

PLANNET DOND



Date March 26, 1982
Well No. A-1188
API No. 47 - 083 - 0650
State County Permit



State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

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 received by Tygart Valley SCD. All corrections
and additions become a part of this plan. 3-30-82 J. Ronald Cullen
(Date) (SCD Agent)

ACCESS ROAD

LOCATION

Structure Drainage Ditch (A)
Spacing Earthen
Page Ref. Manual 1-10

Structure Drainage Ditch (1)
Material Earthen
Page Ref. Manual 1-10

Structure Culverts (B)
Spacing 12" Min. I.D. (where needed)
Page Ref. Manual 1-8

Structure Riprap (2)
Material Rock
Page Ref. Manual N/A

Structure Riprap (C)
Spacing Rock
Page Ref. Manual N/A

Structure APR 8 - 1982 (3)
Material OIL AND GAS DIVISION
Page Ref. Manual WV DEPARTMENT OF MINES

All structures should be inspected regularly and repaired if necessary. All commercial timber 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 3 Tons/acre
or correct to pH 6.5

Lime 3 Tons/acre
or correct to pH 6.5

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

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

Mulch Straw 2 Tons/acre

Mulch Straw 2 Tons/acre

Seed* Kentucky 31 40 lbs/acre

Seed* Kentucky 31 40 lbs/acre

Domestic Ryegrass 10 lbs/acre

Domestic Ryegrass 10 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

Birdsfoot Trefoil 10 lbs/acre

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

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

PLAN PREPARED BY J. Ronald Cullen 10/20/2023

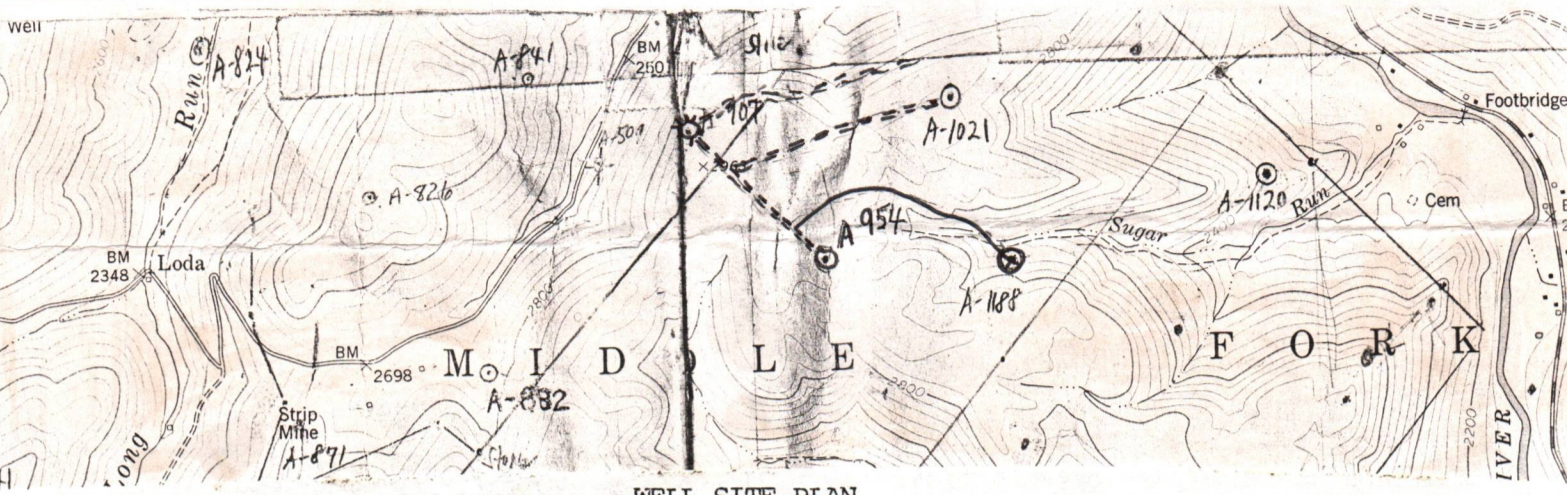
ADDRESS P. O. Drawer 1740

Clarksburg, West Virginia 26301-1740

PHONE NO. 623-6671

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE Cassity 7.5'

LEGEND	
Well Site	○
Access Road	_____



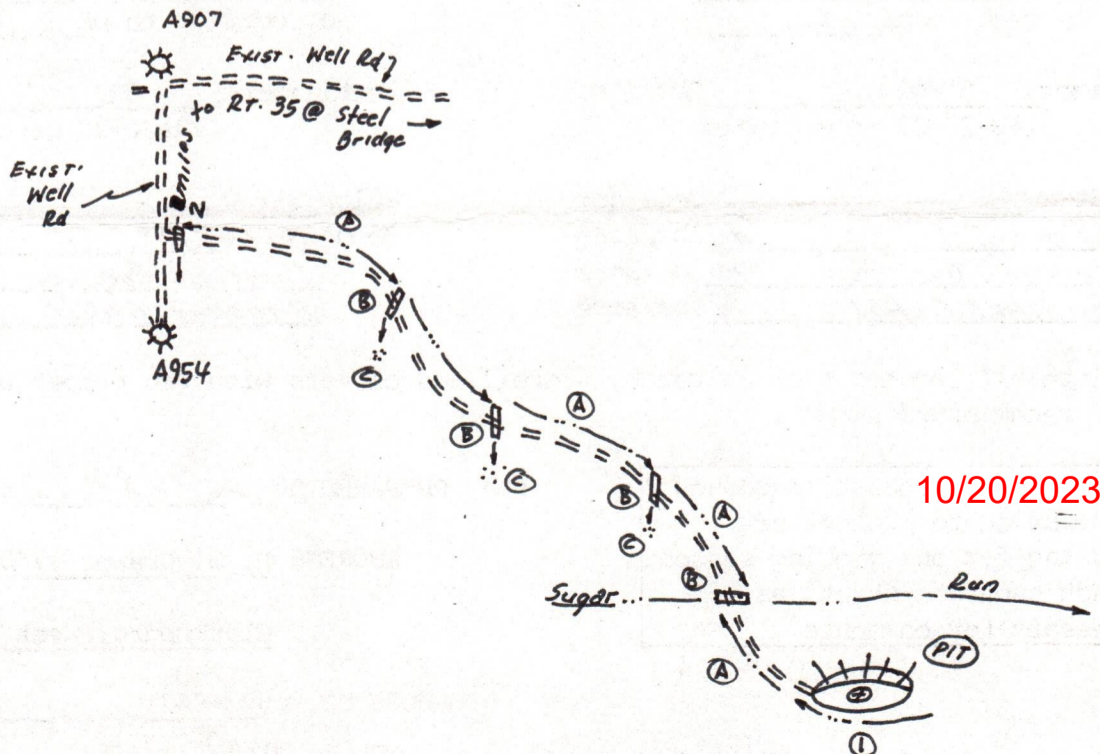
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND	
Property boundary	—▲▲▲—
Road	====
Existing fence	—x—x—
Planned fence	—/—/—
Stream	~...~...~
Open ditch	—>—>—>—
Diversion	//////
Spring	○→
Wet Spot	⊕
Building	■
Drain pipe	—○→—○→—
Waterway	←====→

COMMENTS:

Slope of access road 14 % -- Cuts to be on a 2:1 slope or less. Access road subject to change by company of landowner. All ditches and culverts will be maintained after construction is completed.



INFORMATION
MEMO

STATE OF WEST VIRGINIA

WV-20

TO: *W.T.M.C* Date: Time:

FROM: *Mike Lewis* Of:

TELEPHONE Number: Ext: Received By:

- PLEASE CALL
- RETURNING YOUR CALL
- WILL CALL AGAIN
- CALLED TO SEE YOU

APPOINTMENT With: Time:

- PLEASE:
- COMMENT
 - NOTE
 - SEE ME
 - INVESTIGATE
 - TAKE NECESSARY ACTION
 - EXPLAIN
 - APPROVE
 - SIGN
 - REVISE
 - PREPARE REPLY FOR MY SIGNATURE
 - REPLY DIRECTLY
 - ROUTE TO:

FOR YOUR INFORMATION

- AND:
- FILE:
 - RETURN

REMARKS/MESSAGES:

I'm spotting this well on the 15' map, it spots above Sugar Creek, but actually this well is located below Sugar Creek as can be seen on the 7.5' map M.S.

IV-35
(Rev 8-81)

RECEIVED

JUL 20 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL and GAS DIVISION
WELL OPERATOR'S REPORT

Date July 16, 1982
Operator's _____
Well No. A-1188
Farm Arnold
API No. 47 - 083 -0650

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: 2724' Watershed Sugar Run
District: Middle Fork County Randolph Quadrangle Cassity 7.5'

COMPANY Allegheny Land and Mineral Company
200 W. Main Street, P. O. Box 1740
ADDRESS Clarksburg, West Virginia 26301

DESIGNATED AGENT Allegheny Land & Mineral Co.
200 W. Main Street, P. O. Box 1740
ADDRESS Clarksburg, West Virginia 26301

SURFACE OWNER Rebecca Arnold
ADDRESS 12 S. Randolph Ave., Elkins, W. Va.

MINERAL RIGHTS OWNER same as above
ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK Robert
Stewart ADDRESS P.O. Box 345, Jane Lew, W.V.

PERMIT ISSUED April 8, 1982

DRILLING COMMENCED June 11, 1982

DRILLING COMPLETED June 18, 1982

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

Casing & Tubing Size Cond.	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
11 3/4"	21'	21'	
9 5/8"			
8 5/8"	913'	913'	to surface
7"			
5 1/2"			
4 1/2 "	5120'	5120'	w/635 sks. 1300'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Elk DEPTH 5300 Feet

Depth of completed well 5270 feet Rotary xxx / Cable Tools _____
Water strata depth: Fresh 43 feet; Salt _____ feet
Coal seam depth: 30-34, 225-228, 262-266&575-578 Is coal being mined in this area? _____

OPEN FLOW DATA

Producing formation Elk, Alexander & Benson Pay zone depth _____ feet
Gas: Initial open flow 40 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 474 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours

Static rock pressure 950 psig (surface measurement) after 36 hours shut-in
(If applicable due to multiple completion--)

Second producing formation _____ Pay zone depth _____ 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)

10/20/2023

RECEIVED

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

Well was fractured July 24, 1982
 Perforations: 3789' - 3796' 9 holes
 3825' - 3832' 7 holes
 4553' - 4556' 7 holes
 4598' - 4605' 9 holes
 4942' - 4951' 16 holes

OIL AND GAS DIVISION
 DEPARTMENT OF MINES

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
			Including indication of all fresh and salt water, coal, oil and gas
G.L.	0	10	1/2" stream of H ₂ O @ 43'
Sand	10	30	Gas check @ 1259' no show
Coal	30	34	Gas check @ 1351' no show
Sand	34	160	Gas check @ 2095' no show
Sand & Shale	160	225	Gas check @ 2187' no show
Coal	225	228	Gas check @ 2464' 21MCF
Sand & Shale	228	262	Gas check @ 3575' 14MCF
Coal	262	266	Gas check @ 3915' 21MCF
Sand & Shale	266	575	Gas check @ 4716' 14MCF
Coal	575	578	Gas check @ 5055' 47MCF
Sand & Shale	578	948	Gas check @ 5270' 40MCF
Sand & Shale & Red Rock	948	1244	
L. Lime	1244	1340	
B. Lime	1340	1474	
B. Injun	1474	1564	
Sand & Shale & Red Rock	1564	2440	
Speechly	2440	2470	
Sand & Shale	2470	3790	
Benson	3790	3815	
Sand & Shale	3815	3900	
Alexander	3900	3928	
Sand & Shale	3928	4980	
Elk	4980	5008	
Sand & Shale	5008	5270 T.D.	

(Attach separate sheets as necessary)

Allegheny Land and Mineral Company

Well Operator

BY:

A.J. Sabata

Vice President Production

Date: July 16, 1982

10/20/2023

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."



State of West Virginia
 Department of Mines
 Oil and Gas Division
 Charleston 25305

RECEIVED

FEB 19 1985

OIL & GAS DIVISION
 DEPT. OF MINES

Date July 26, 1982

Mr. Robert Stewart
 P. O. Box 345
 Jane Lew, WV 26378

PERMIT NO.: 47-083-0650
 COMPANY: Allegheny Land & Mineral Co
 FARM: Arnold
 WELL NO.: A-1188
 DISTRICT: Middle Fork
 CONTY: Randolph

Dear Sir:

Please make a FINAL INSPECTION within thirty (30) days of the well described above or submit a STATUS REPORT - saying why this well cannot be released at this time

Very truly yours,

Sarah Sheer
can be released
Phillip Dray
2-11-85



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

Barton B. Lay Jr.
Director

Theodore M. Streit
Administrator

February 21, 1985

Alamco
P.O. Drawer 1740
Clarksburg, WV 26301

In Re: PERMIT NO: 47-083-0650
FARM Rebecca Arnold
WELL NO: A-1188
DISTRICT: Middle Fork
COUNTY: Randolph
ISSUED: 3-8-82

Gentlemen;

The FINAL INSPECTION REPORT for the above captined well has been received in this office. Only the column checked below applies:

The well designeated by the above permit number has been released under your Blanket Bond.

Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captined well will remain under bond coverage for life of the well.

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas--Dept. Mines

TMS/ nw

10/20/2023

A-1188

JUL 22 1982

OIL & GAS DIVISION
DEPT. OF MINES
N/A Category Code

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0650			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA		N/A Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	5270 T.O 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		000333 Seller Code	
	Clarksborg, W City		W.Va. 26301 State Zip Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Middle Fork Field Name		District	
	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 - 1188			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	Elk - Alexander - 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.)	2.650	0.265	0.265	3.180
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.650	0.265	0.265	3.180
9.0 Person responsible for this application:	Daniel L. Wheeler Name		Vice-Pres. Land Dept. Title	
Agency Use Only	Signature Daniel L. Wheeler			
Date Received by Juris. Agency JUL 22 1982	7-21-82 Date Application is Completed		304-623-6671 Phone Number	
Date Received by FERC				

FT7900306/2-2

10/20/2023

PARTICIPANTS:

DATE: DEC. 22 1982

BUYER-SELLER

WELL OPERATOR: Allegheny Land & Mineral Co.

0003

FIRST PURCHASER: Columbia Gas Trans. Corp.

0040

OTHER: _____

1500' nameless well -> under

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
92 07.22 -103-083-0650
 Use Above File Number on all Communications
 Relating to Determination of this Well

QUALIFIED

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: 6-11-82 Date completed 6-18-62 Deepened

(5) Production Depth: 4942-51 4553-4605 3789-3832

(5) Production Formation: Elk, Alexander, Benson

(5) Final Open Flow: 474 MCF

(5) After Frac. R. P. 950 # 36 hr.

(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: _____

(5) Oil Production: _____ From Completion Report _____ PSIG from Daily _____

-17. Does lease inventory indicate enhanced recovery being done No

-17. Is affidavit signed? Notarized? **10/20/2023**

official well record with the Department confirm the submitted information? yes

Additional information _____ Does computer program confirm? _____

Determination Objected to _____ By Whom? _____

7/B

Date 7-21, 19 82
Operator's Well No. A-1188
API Well No. 47 - 083 - 0650
State County Permit
Previous File No. _____
(If Applicable)

STATE APPLICATION FOR WELL CLASSIFICATION

WELL OPERATOR Allegheny Land & Mineral DESIGNATED AGENT Allegheny Land & Mineral
ADDRESS P.O. Drawer 1740 ADDRESS P.O. Drawer 1740
Clarksburg, W.Va. 26301 Clarksburg, W.Va. 26301

Gas Purchase Contract No. N/A and Date N/A
(Month, day and year)

Meter Chart Code N/A

Name of First Purchaser Columbia Gas Transmission Corp.
1700 MacCorkle Ave. S. E.
(Street or P. O. Box)
Charleston, W.Va. 25314
(City) (State) (Zip Code)

FERC Seller Code 000333 FERC Buyer Code 004030

TYPE OF DETERMINATION BEING SOUGHT:

- (1) Initial determination (See FERC Form 121.) Section of NGPA 103 Category Code N/A
 (2) Determination that increased production is the result of enhanced recovery technology.
 (3) Determination of a seasonally affected well.

James B. Gehr President
Name (Print) Title
James B. Gehr
Signature
P.O. Drawer 1740
Street or P. O. Box
Clarksburg, W.Va. 26301
City State (Zip Code)
304 623-6671
Area Phone Number
Code

(Certificate of Proof of Service to Purchaser)

Certified Mail 7/21/82

(All of the above to be completed by the Operator/Applicant)

(To be completed by Jurisdictional Agency. Executed copy to be returned to Operator/Applicant and purchaser, if known).

The Department of Mines has received a request, for certification of the above described well as meeting the requirements of Section _____ under the Natural Gas Policy Act of 1978, (NGPA); or for determination that increased production is the result of enhanced recovery technology under Section 108 of (NGPA); or for determination of a seasonally affected well under Section 108 of (NGPA).

All interested parties are hereby notified that on the _____ day of _____, 19____, at the office of the Oil and Gas Division in Charleston, West Virginia, or as soon thereafter as it may be heard, there will be a public hearing, if requested, or if objection is filed.

This Application is assigned File No. _____

Initial review of information submitted indicates the well is, is not entitled to certification as claimed under the Natural Gas Policy Act (NGPA). A review of this evidence and any additional evidence will be made at the time appointed for a public hearing or as soon thereafter as the matter may be heard.

Unless objections are timely filed or a request for a hearing is made within fifteen (15) days, a hearing will not be held except on ex parte motion of the department and the matter will go to determination.

WEST VIRGINIA DEPARTMENT OF MINES

JUL 22 1982

Date received by
Jurisdictional Agency

By [Signature]
Title _____

10/20/2023

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

Date 7-21 19 82

Operator's Well No. A-1188

API Well No. 47 - 083 - 0650
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 2724'

ADDRESS P.O. Drawer 1740

Watershed Sugar Run

Clarksburg, W.Va. 26301

Dist. Middle Fork County Randolph Quad Cassity 7.5'

GAS PURCHASER Columbia Gas Transmission Corp.

Gas Purchase Contract No.

ADDRESS 1700 MacCorkle Ave. S.E.

Meter Chart Code N/A

Charleston, W.Va. 25314

Date of Contract

* * * * *

Date surface drilling was begun: 6-11-82

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

Rock Pressure was 950 # 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.

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

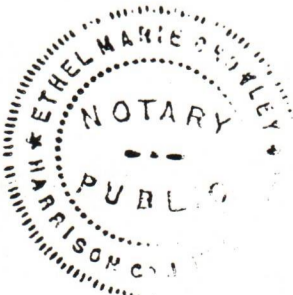
the 21st day of July, 1982, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of July, 1982

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

[NOTARIAL SEAL]

Notary Public
Ethel Marie Crowley



10/20/2023

ALLEGHENY LAND & MINERAL CO.

NATURAL GAS & OIL EXPLORATION AND DEVELOPMENT

200 WEST MAIN STREET • P. O. BOX 1740 • CLARKSBURG, WEST VIRGINIA 26302-1740

(304) 623-6671
TELEX 88417

July 21, 1982

Ms. Opal Hoffman
Office of Oil & Gas
1613 Washington St., East
Charleston, W.Va. 25311

Dear Opal

Enclosed is the "Botton Hole Pressure" needed to certify the following well.

$$\text{BHP} = P_1 + P_2 (e^{\frac{GL}{53.34T}} - 1)$$

Well #	L (feet)	P-1 (Psig*)	G	Tav * Degrees-F)	BHP (Psig)	Permit #
A-1078	4,382	900	.636	82	1,010	097-2424
A-1118	4,884	450	.594	84	508	083-0673
A-1136	4,897	1,250	.602	84	1,411	083-0593
A-1170	5,070	1,000	.598	85	1,132	083-0644
A-1185	5,022	1,000	.598	85	1,131	083-0643
A-1188	4,951	950	.602	85	1,074	083-0650 ✓

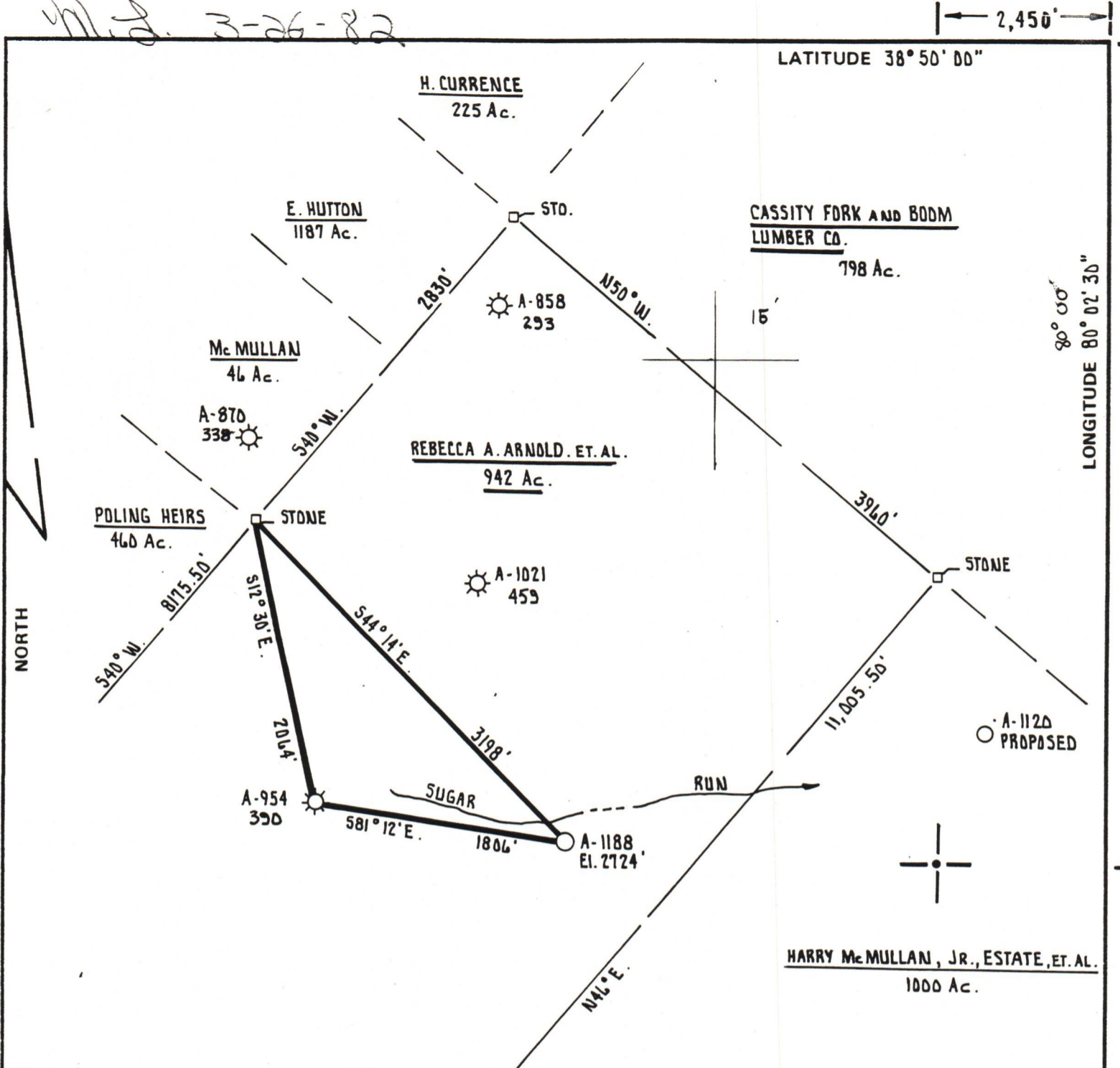
Based on average annual Mean Surface Temperature of 60°F and a Geothermal Gradient of 10 degrees Fahrenheit per 1,000 feet. Calculations performed in degrees Rankine.

**Pressures converted to/from pounds per square inch absolute to facilitate comparison: Calculations performed with absolute pressures (PSIG).

Regards,

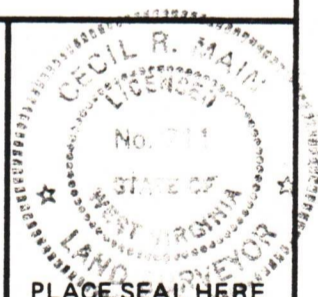
Ethel Marie Crowley
Ethel Marie Crowley

10/20/2023




FILE NO. _____
 DRAWING NO. _____
 SCALE 1" 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION ALLEGHENY LAND and MINERAL CO. - A-954 ELEV: 2930'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Cecil R. Main
 R.P.E. _____ L.L.S. 711



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE MARCH 10th, 19 82
 OPERATOR'S WELL NO. A-1188
 API WELL NO. 47 - 083 - 0650
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 2724' WATERSHED SUGAR RUN
 DISTRICT MIDDLE FORK COUNTY RANDOLPH
 QUADRANGLE CASSITY 7.5'

SURFACE OWNER REBECCA A. ARNOLD, ET. AL. ACREAGE 942 Ac.
 OIL & GAS ROYALTY OWNER REBECCA A. ARNOLD, ET. AL. LEASE ACREAGE 10120/2023
 LEASE NO. _____

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ELK ESTIMATED DEPTH 5300'
 WELL OPERATOR ALLEGHENY LAND and MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND and MINERAL CO.
 ADDRESS P.O. BOX 1740 ADDRESS P.O. BOX 1740
CLARKSBURG, WEST VIRGINIA 26302-1740 CLARKSBURG, WEST VIRGINIA 26302-1740