

888-A

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, 5100 feet Rotary XX / Cable tools ___/

Approximate water strata depths: Fresh, 108 feet; salt, ___ feet.

Approximate coal seam depths: 190-193 is coal being mined in the area?

Yes ___/ No XX /

310-314

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		5100'	5100'	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: February 18, 1980

Operator's Well No. A-888

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-888
Cassity 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.

Daniel L. Wheeler
03/29/2024

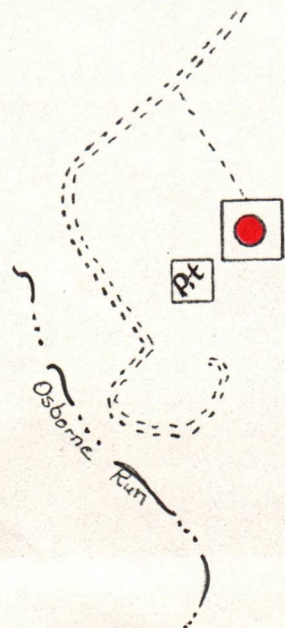
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FEB 19 1980

OIL & GAS DIVISION
DEPT. OF MINES

ALLEGHENY LAND & MINERAL COMPANY
Well Operator

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



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

Well was fractured by Halliburton - April 23, 1980.

Perforations: 1831-34' - 3 holes
 1840-45' - 5 "
 1874-81' - 8 "
 3601-05' - 6 "
 3607-15' - 10 " } Benson Log not on depth
 4788-96' - 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
Clay			0	5	
Sand			5	229	Water - 1/2" @ 15'; 1/2" @ 400'
COAL *****			229	233	Coal *****
Sand			233	498	
COAL *****			498	501	Coal *****
Sand & Shale			501	1180	
Big Lime			1180	1342	
Injun Sand			1342	1394	
Sand & Shale			1394	1826	
Gordon Sand			1826	1860	
Sand & Shale			1860	1872	
4th Sand			1872	1920	
Sand & Shale			1920	1950	
5th Sand			1950	1972	
Sand & Shale			1972	2062	
Bayard Sand			2062	2070	
Sand & Shale			2070	2182	
Speechly Sand			2182	2208	
Sand & Shale			2208	3606	
Benson Sand			3606	3628	
Sand & Shale			3628	4784	
Elk Sand			4784	4814	
Shale			4814	5103	
			total depth	5103	(Driller)

(Attach separate sheets to complete as necessary)

Allegheny Land & Mineral Company
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."

Columbus

Date: May 29, 1980
 Operator's Well No. A-888
 API Well No. 47-083-0307
 State County Permit

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

WELL OPERATOR'S REPORT 23
 OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___
 (If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow XX /)
 LOCATION: Elevation: 2340' Watershed: Osborne Run
 District: Roaring Creek 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 February 18, 1980

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 5100 feet

Depth of completed well, 5103 feet Rotary X / Cable Tools ___

Water strata depth: Fresh 15', 400 feet; salt, ___ feet.

Coal seam depths: 229-233', 498-501' Is coal being mined in the area? ___

Work was commenced April 12, 1980, and completed April 18, 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	11-3/4"			X		20'	20'	Kinds
Fresh water	8-5/8"							
Coal	8-5/8"			X		1132'	1132'	Cemented <u>6' surface</u>
Intermediate								
Production Tubing	4 1/2"			X		4919'	4919'	" Depths <u>1450'</u>
Liners								Perforations: Top Bottom

OPEN FLOW DATA

Producing formation Benson Sand Pay zone depth 3606-3628 feet

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

Both sands - Final open flow, 1,100 Mcf/d Final open flow, ___ Bbl/d

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

Static rock pressure, 1330# psig (surface measurement) after 60 hours shut in

[If applicable due to multiple completion--]

Second producing formation Elk Sand Pay zone depth 4784-4814 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

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APR 15 1980

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 083-0307

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>G. H. NORVELL</u>	16			Kind of Packer
Well No. <u>A-888</u>	13			
District <u>ROARING CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>4-12-80</u>	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			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 - 8

Remarks:

Move Rig SPD

4-12-80

DATE

Robert Stead 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. 083-0307

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>G. H. NORVELL</u>	16			Kind of Packer
Well No. <u>A-888</u>	13			
District <u>ROCKWELL CREEK</u> County <u>RANDOLPH</u>	10			Size of
Drilling commenced <u>4-12-80</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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SEP - 2 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

8-31-80
DATE

Robert St... 511
03/29/2024
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, etux #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-888

FERC-121

RECEIVED
JUN 11 1980

1.0 API well number: (If not available, leave blank. 14 digits.)	47-083-0307			
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.)	5103' TD 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
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-888			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	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.)	2.238	0.223	0.223	2.684
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.238	0.223	0.223	2.684
9.0 Person responsible for this application:	Daniel L. Wheeler Name Signature 6-9-80 Date Application is Completed			
Agency Use Only	Vice-Pres. Land Dept. Title			
Date Received by Juris. Agency JUN 11 1980	304-623-6671 Phone Number			
Date Received by FERC				

FT7900306/2-2

03/29/2024

SELLER: Allegheeny Land & Mineral Co. 000333
FIRST PURCHASER: Columbia Gas Trans Corp. 004030

OTHER: _____ DEC 2 1980

a. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
300611 . 103 . 083 . 0307
e Above File Number on all Communications
Relating To Determination of this Well

Computer OK
Oil map
0830276 1400'
Qualifies FEHughey

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

- 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 No Prod years
 8. IV-40 90 day Production _____ Days off Line: _____
 9. IV-48 Application for certification. Complete?
 - 7 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? AFFIDAVIT SIGNED?
 - 8 Other: Survey _____ Logs _____ Geological Charts _____
Structure Map _____ 1:4000Map _____ Well Tabulations _____
Gas Analyses _____
 - (5) Date commenced: 4/12/80 Date completed 4/18/80 Deepened _____
 - (5) Production Depth: 3606/28 ; 4784/4814
 - (5) Production Formation: Benson; Elk
 - (5) Final Open Flow: 1100 mcf/d
 - (5) After Free. R.P. 1330 #
 - (6) Other Gas Test: _____
 - (7) Avg. Daily Gas from Annual Production: No Prod
 - (8) Avg. Daily Gas from 90-day ending w/1 - 120 days " "
 - (8) Line Pressure: None PSIG from Daily Repo
 - (5) Oil Production: No From Completion Report _____
 - 7) Does lease inventory indicate enhanced recovery being done No 03/28/2024
 - 7) Is affidavit signed? Notarized?
- official well record with the Department confirm the submitted information? yes
Additional Information _____ Does computer program confirm? _____
Determination Objected to? _____ By Whom? _____

PL.

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

Date 6-9 1980

Operator's Well No. A-888

API Well No. 47 - 083 - 0307
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 2340

Watershed Osborne Run

Dist. Roaring Creek County Randolph Quad Cassidy 7.5

Contract No.

Meter Chart Code N/A

Date of Contract A

* * * * *

Date surface drilling was begun: 4-12-80

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

Rock Pressure was 1330 # 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 9th day of June, 1980, has acknowledged the same before me, in my county aforesaid.

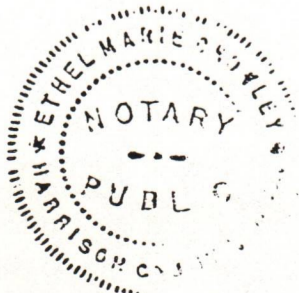
Given under my hand and official seal this 9th day of June, 1980.

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

[NOTARIAL SEAL]

Ethel Marie Crowley
Notary Public

Ethel Marie Crowley



03/29/2024