

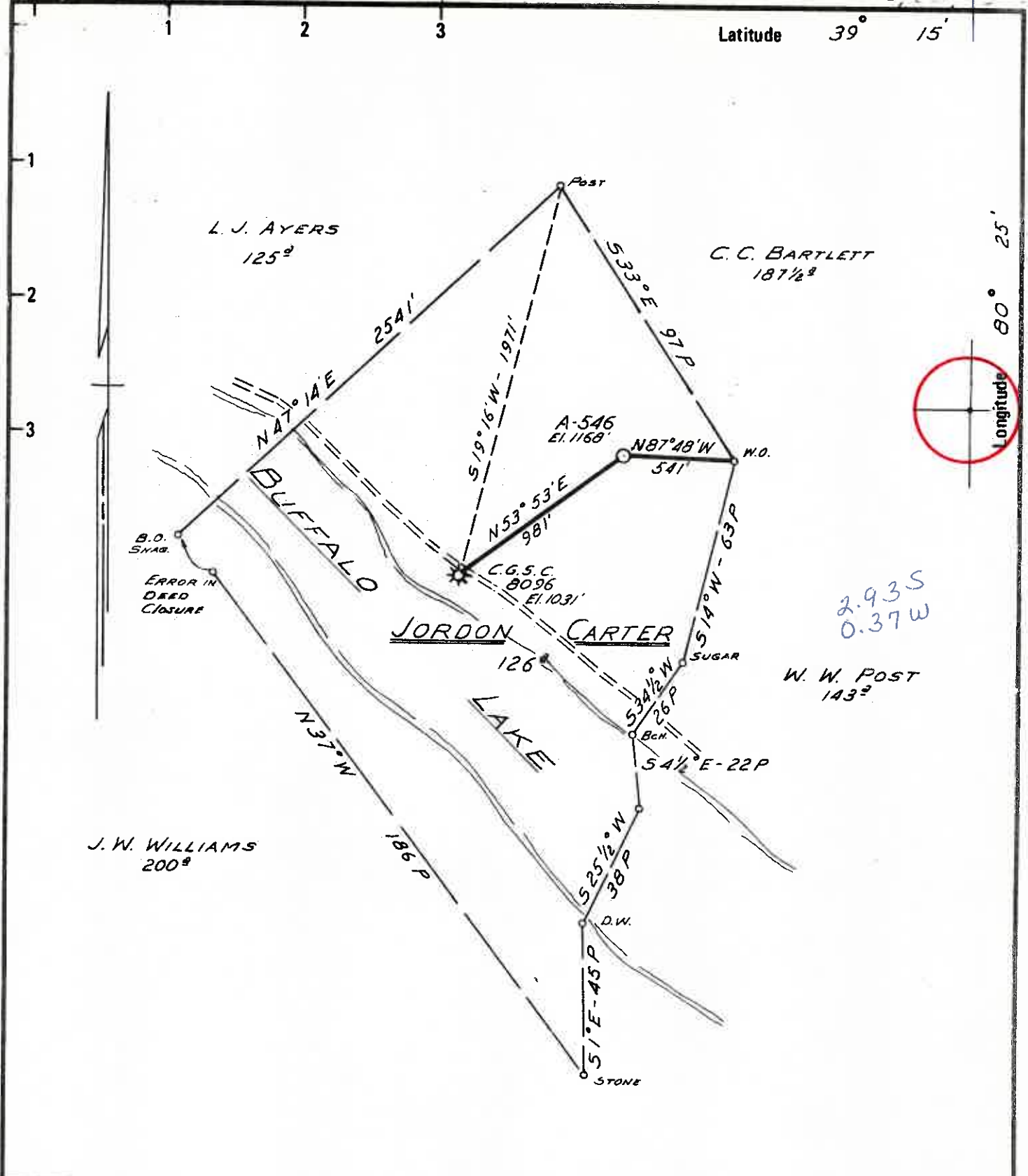
Minimum Error of Closure One Part in 200
 Source of Elevation C.G.S.C. Well 8096 Elev. 1031'
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company ALLEGHENY LAND AND MINERAL COMPANY
 Address CLARKSBURG, W. VA. 26301
 Farm JORDON CARTER
 Tract _____ Acres 126 Lease No. _____
 Well (Farm) No. 2 Serial No. A-546
 Elevation (Spirit Level) 1095'
 Quadrangle WESTON NW
 County HARRISON District UNION
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 LLS.
 File No. 18A Drawing No. _____
 Date JAN. 5, 1976 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. HAR-926-REV

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.



Minimum Error of Closure ONE PART IN 200
 Source of Elevation CONSOLIDATED GAS SUPPLY CORPORATION
WELL # 8096 - ELEV. 1031'
 "I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Company ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W. V. 26301
 Farm JORDON CARTER, Carl Carter (surf.)
 Tract _____ Acres 126 Lease No. _____
 Well (Farm) No. 2 Serial No. A-546
 Elevation (Spirit Level) 1168'
 Quadrangle WESTON NW
 County HARRISON District UNION
 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 L.L.S.
 File No. 18 Drawing No. _____
 Date DEC. 18, 1975 Scale 1" = 40 POLES

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. HAR-926
 + Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.
47-033
 G. L. B.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle WESTON

Permit No. HAR-926

Company Allegheny Land & Mineral Co.
Address Box 1710, Clarksburg, WV 26301
Farm Jordan Carter Acres 126
Location (waters) Buffalo Creek of West Fork River
Well No. A-546 Elev. 1168'
District Unicoi County Harrison
The surface of tract is owned in fee by _____
Carl Ray Carter
Address Rt. 1, Lost Creek, WV 26385
Mineral rights are owned by Mary Lou Hurst, Agt.
610 Illinois Ave., Nutter Port, WV
Drilling Commenced January 23, 1976
Drilling Completed January 28, 1976
Initial open flow 146,000 cu. ft. _____ bbls.
Final production 2,477 cu. ft. per day _____ bbls.
Well open 2 hrs. before test 900# RP.
Well treatment details: after 16 hrs.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13 1/8"	17'	0	
9 5/8			
8 5/8	842'	842'	Cement to surface
7			
5 1/2			
4 1/2	4367'	4367'	Cement to 2700'
3			
2			
Liners Used			

Fractured 2-5-76 by Halliburton

P.S. card pups 3147-49, 3154-56, 3158-59, 4217-18, 4223-27, 4230-31

Coal was encountered at none Feet _____ Inches _____
Fresh water @ 89' & 820 Feet _____ Salt Water none Feet _____
Producing Sand Benson & Balltown Depth 4210-4232' ; 3144-3162

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			0	2		
Sand & Shale			2	1284		Water @ 89' & 820'
Big Lime Sand			1284	1420		
Injun Sand			1420	1574		
Sand & Shale			1574	1866		
Sand			1866	1880		
Sandy shale			1880	2154		
Sand			2154	2178		<u>4192 - 4206'</u> - 12 shots
Shale			2178	2220		<u>3121 - 3134'</u> - 12 shots
5th Sand			2220	2236		
Shale			2236	3144		
<u>Balltown Sand</u>			3144	3162		
Shale			3162	4210		
<u>Benson Sand</u>			4210	4232		
Shale			4232	4403		
		total depth		4403		Driller

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC 23 1975

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 19, 1975

Surface Owner Carl Ray Carter

Company Allegheny Land and Mineral Co.

Address Route #1, Lost Creek, WV 26385

Address Clarksburg, WV 26301

Mineral Owner Mary Lou Hurst, Agent

Farm Carl Ray Carter Acres 126

Address 610 Illinois Ave, Nutter Fort, WV 26301

Location (waters) Buffalo Creek of West Fork River

Coal Owner _____

Well No. 2-A-546 Elevation 1168

Address Location below Pittsburgh

District Union County Harrison

Coal Operator bed

Quadrangle Weston

Address _____

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 4-22-76.

Robert H. [Signature]

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett

GENTLEMEN:

PH: 622 -3871 Address: Clarksburg, W. Va.

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated see attached 19 by _____ made to _____ and recorded on the _____ day of _____ 19 , in _____ County, Book _____ Page _____

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

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

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

West Virginia Geological and Economic Survey
P O Box 159
Morgantown, W. Va. 26505
AC 304-296-4461

Very truly yours, Allegheny Land and Mineral Co.

(Sign Name) By: *[Signature]* Manager

Land - Lease and Right of Way

P. O. Box 1740

Street

Clarksburg

City or Town

West Virginia - 26301

State

Address
of
Well Operator

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

BLANKET BOND

Har-926 PERMIT NUMBER
47-033

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Union Drilling, Inc. NAME Allegheny Land and Mineral Co.
 ADDRESS Buckhannon, WV 26201 ADDRESS Clarksburg, WV 26301
 TELEPHONE _____ TELEPHONE 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: 4600' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Benson
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10			
9 - 5/8			
8 - 5/8	600'	600'	cement to surface
7			
5 1/2			cement to 300' above Benson horizon
4 1/2	4600'	4600'	
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40-80 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS Location below Pittsburgh bed _____
 IS COAL BEING MINED IN THE AREA? no BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

RECEIVED

DEC 22 1975

OIL & GAS DIVISION
DEPT. OF MINES

Under lease or grant dated the 6th. day of August, 1904, by Jordon Carter and Louisa V. Carter, his wife to Reserve Gas Company, subsequently Consolidated Gas Supply Corporation, said lease was recorded on the ___ day of ____, in Deed Book 148 at Page 470, in the office of the Clerk of the County Court of Harrison County, West Virginia.

The drilling rights to this lease is vested unto Allegheny Land and Mineral Company under an agreement dated the 10th. day of October, 1975, granted by Consolidated Gas Supply Corporation.

GW