

Minimum Error of Closure ONE PART IN 200'
 Source of Elevation C.G.S.C. WELL 11564 ELEV. 877'

New Location
 Drill Deeper
 Abandonment

"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. VA. 26301

Farm W. BRENT MAXWELL

Tract _____ Acres 2400 Lease No. _____

Well (Farm) No. _____ Serial No. A-690

Elevation (Spirit Level) 1023

Quadrangle HOLBROOK NE

County DODDRIDGE District SOUTHWEST

Engineer Daniel F. Wheeler

Engineer's Registration No. 530 LLS.

File No. 140 Drawing No. I-319

Date 7-7-77 Scale 1" = 1000'

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

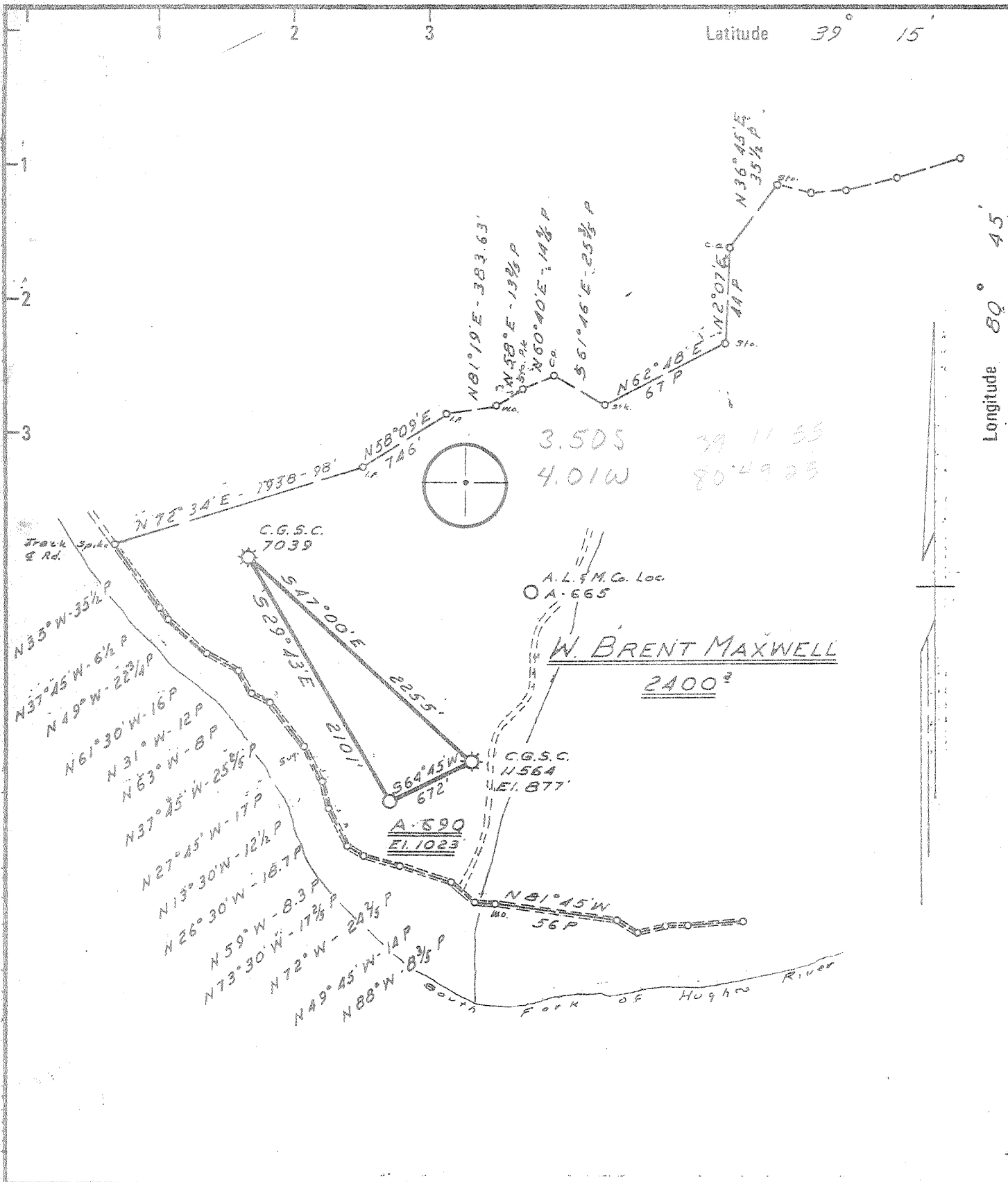
WELL LOCATION MAP
 FILE NO. DODD-1869

now: DODD-2309

+ 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.

47-017 AUG 5 1977



3.505 39 11 53
4.01W 80 49 33

New Location
Drill Deeper
Abandonment

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Source of Elevation C.G.S.C. WELL 11564 ELEV. 877

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 Engineer Daniel L. Wheeler
 Engineer's Registration No. 530 LLS.
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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. DODD-2309
FORMERLY DODD-1869

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- Denotes one inch spaces on border line of original tracing.

47-017 NOV 21 1978



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JAN 25 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle HOLBROOK

Permit No. DOD-2309

47-017

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

Company <u>Allegheny Land & Mineral Co.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 1740, Clarksburg, WV 26302</u>	Size			
Farm <u>W.B. Maxwell</u> Acres <u>2400</u>	20-16			
Location (waters) <u>South Fork - Hughes River</u>	Cond.			
Well No. <u>A-690</u> Elev. <u>1023'</u>	9 5/8			
District <u>Southwest</u> County <u>Doddridge</u>	8 5/8	433'	433'	Cement to surface
The surface of tract is owned in fee by <u>Aaron Schwartzman</u>	7			
<u>2007 Nichols Avenue</u>	5 1/2			
Address <u>Washington, D.C. 20020</u>	4 1/2	2330'	2330'	" " 1605'
Mineral rights are owned by <u>The Union Nat. Bank,</u>	3			
Atty. in fact, <u>W.B. Maxwell Hrs.</u>	Liners Used			
Address <u>Clarksburg, WV 26301</u>				
Drilling Commenced <u>December 3, 1978</u>				
Drilling Completed <u>December 6, 1978</u>				
Initial open flow _____ cu. ft. _____ bbis.				
Final production _____ cu. ft. per day _____ bbis.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

Well was fractured by Halliburton - January 3, 1979

Final test: Open flow - 180 MCF

Rock Pressure - 1200# - 48 hrs.

Coal was encountered at _____ Feet _____ Inches
Fresh water @ 137' Feet _____ Salt Water _____ Feet _____
Producing Sand Weir Depth 2042-2154'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	10		
Sand & Shale			10	436		Water @ 137'
Shale			436	532		
Red Rock			532	545		
Shale			545	588		
Red Rock			588	664		
Sand & Shale			664	1048		
Red Rock			1048	1062		
Sand & Shale			1062	1106		
Sand			1106	1120		Perforations:
Sand & Shale			1120	1212		2047 - 2052' - 5 holes
Sand			1212	1224		2066 - 2071' - 5 "
Sand & Shale			1224	1252		2120 - 2123' - 3 "
Sand			1252	1268		2128 - 2130' - 2 "
Sand & Shale			1268	1730		2145 - 2150' - 5 "
Lime			-1730	1800		
Injun Sand			1800	1870		
Sand & Shale			1870	2042		
Weir Sand			2042	2154		
Sand & Shale			2154	2350		
			total depth	2350 (Driller)		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 15 1977

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Aaron Schwartzman, M.D.

DATE July 13th, 1977

Surface Owner 2007 Nichols Avenue
Address Washington, D.C. 20020

Company Allegheny Land and Mineral Co.
Address P. O. Box 1740, Clarksburg, WV

Mineral Owner The Union National Bank
Address Atty. in Fact, W. Brent
Maxwell Heirs

Farm W. Brent Maxwell Acres 2400
Location (waters) South Fork of Hughes River

Coal Owner Clarksburg, WVA 26301
Address Same

Well No. A-690 Elevation 1023
District Southwest County Doddridge

Coal Operator None

Quadrangle HOLBROOK

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 11-18-77

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, W. Va.

PHONE 622-3871

[Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

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 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, ALLEGHENY LAND AND MINERAL CO.
By *[Signature]*, Manager
(Sign Name)

Land, Lease and Right of Way
P. O. Box 1740

Street
Clarksburg,

City or Town

West Virginia 26301

State

BLANKET BOND

*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.

was
DODD-1869 PERMIT NUMBER

47-017

now DODD - 2309

**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 & Mineral Co.
 ADDRESS Drawer 40, Buckhannon, WV ADDRESS P. O. Box 1740, Clarksburg, WV
 TELEPHONE 472-4610 TELEPHONE 623-6671
 ESTIMATED DEPTH OF COMPLETED WELL: Berea ROTARY XX CABLE TOOLS _____
2500'
 PROPOSED GEOLOGICAL FORMATION: _____
 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	300'	300'	Cement to surface
7			
5 1/2			
4 1/2	2500'	2500'	Cement to 300' above any producing horizon
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 40-80 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS No coal _____
 IS COAL BEING MINED IN THE AREA? _____ 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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

OCT 30 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,

Charleston, W. Va.

Surface Owner Aaron Schwartzman, M.D.
2007 Nichols Avenue
Washington, D.C. 20020
Mineral Owner The Union National Bank
Atty-in-Fact W. Brent
Maxwell Heirs
Clarksburg, WV 26301
Coal Owner The Union National Bank
Atty-In-Fact - W. Brent
Maxwell Heirs
Clarksburg, WV
Coal Operator none
Address _____

DATE October 27, 1978
Company Allegheny Land & Mineral Company
P. O. Drawer 1740
Address Clarksburg, WV 26301
Farm W. B. Maxwell Acres 2400
Location (waters) South Fork of Hughes River
Well No. A-690 Elevation 1023'
District Southwest County Doddridge
Quadrangle Holbrook

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 3-1-79.

INSPECTOR TO BE NOTIFIED Paul Garrett
ADDRESS 321 Beech Street
Clarksburg, WV 26301
PHONE 622-3871

Deputy Director - Oil & Gas Division

GENTLEMEN:

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 _____

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.

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P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours ALLEGHENY LAND & MINERAL COMPANY
(Sign Name) Manager

Land, Lease and Right of Way
P. O. Drawer 1740
Street
Clarksburg
City or Town
West Virginia 26301
State

Address of Well Operator

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Formerly DODD-1869

BLANKET COPY

DODD-2309 PERMIT NUMBER

47-017

THIS IS AN ESTIMATE ONLY
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PROPOSED WORK ORDER TO XX DRILL DEEPEN FRACTURE-STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME _____ NAME Allegheny Land & Mineral Company
 ADDRESS _____ ADDRESS P. O. Drawer 1740
 TELEPHONE _____ TELEPHONE Clarksburg, West Virginia 2630
 ESTIMATED DEPTH OF COMPLETED WELL: Berea ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: 2500'
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
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2			Perf. Bottom
Liners			Perf. Top
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For Coal Company

Official Title

ALLEGHENY LAND AND MINERAL CO.

RECEIVED

JUL 15 1977

OIL & GAS DIVISION
DEPT. OF MINES

Under lease or grant dated the 7th day of October, 1898, by W. Brent Maxwell and Lillie J. Maxwell, his wife, unto The Carter Oil Company, subsequently Consolidated Gas Supply Corporation. This lease was recorded on the 15th day of September, 1899, in Deed or Lease Book 14 at page 376, in the Office of the County Clerk of Doddridge County, West Virginia.

Allegheny Land and Mineral Company is vested with the drilling rights in the subject lease by virtue of an agreement dated the 6th day of April, 1977, granted by Consolidated Gas Supply Corporation.

GW

ALLEGHENY LAND AND MINERAL CO.

RECEIVED

OCT 30 1978

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