

Latitude 39° 45'

Longitude 80° 35' 30"

MAG. NORTH
TRUE NORTH
BEARINGS ARE FROM
MAG. NORTH

CLAUDE LONG FARM

PART OF THE 135 1/2 A. JEFFERSON MILLER FARM (SOUTH WEST CORNER)

SEE PLAT IN D.B. 210 AT PAGE 356

COAL IS OWNED BY CONSOLIDATION COAL COMPANY, DEED NO 239/1-1966

Minimum Error of Closure- 1 in 4000

Source of Elevation- B.M. No. Z-125 at Miller Chapel with an elevation of 1308.6

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 5 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Company Carter-James Lumber Co.
 Address 601 Tallmadge Rd - Kent, Ohio 44240
 Farm Claude Long (part of Jefferson Miller)
 Part of 135 1/2 A. Acres 4.203
 Lease No. M, L & G Co.
 Well (Farm) No. Claude Long Well # 1 Serial No. _____
 Elevation (Spirit Level) 1195.5
 Quadrangle Littleton
 County Wetzel District Center
 Surveyor Henry M. Parsons
 Engineer's Registration No. 98
 File No. _____ Drawing No. _____
 Date Nov. 23, 1973 Scale 1" = 200'

Signed: Henry M. Parsons
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WET-594-~~DEE~~-P
 DEEPENING CANCELED
 FORMERLY WET-8-FRAC-CA

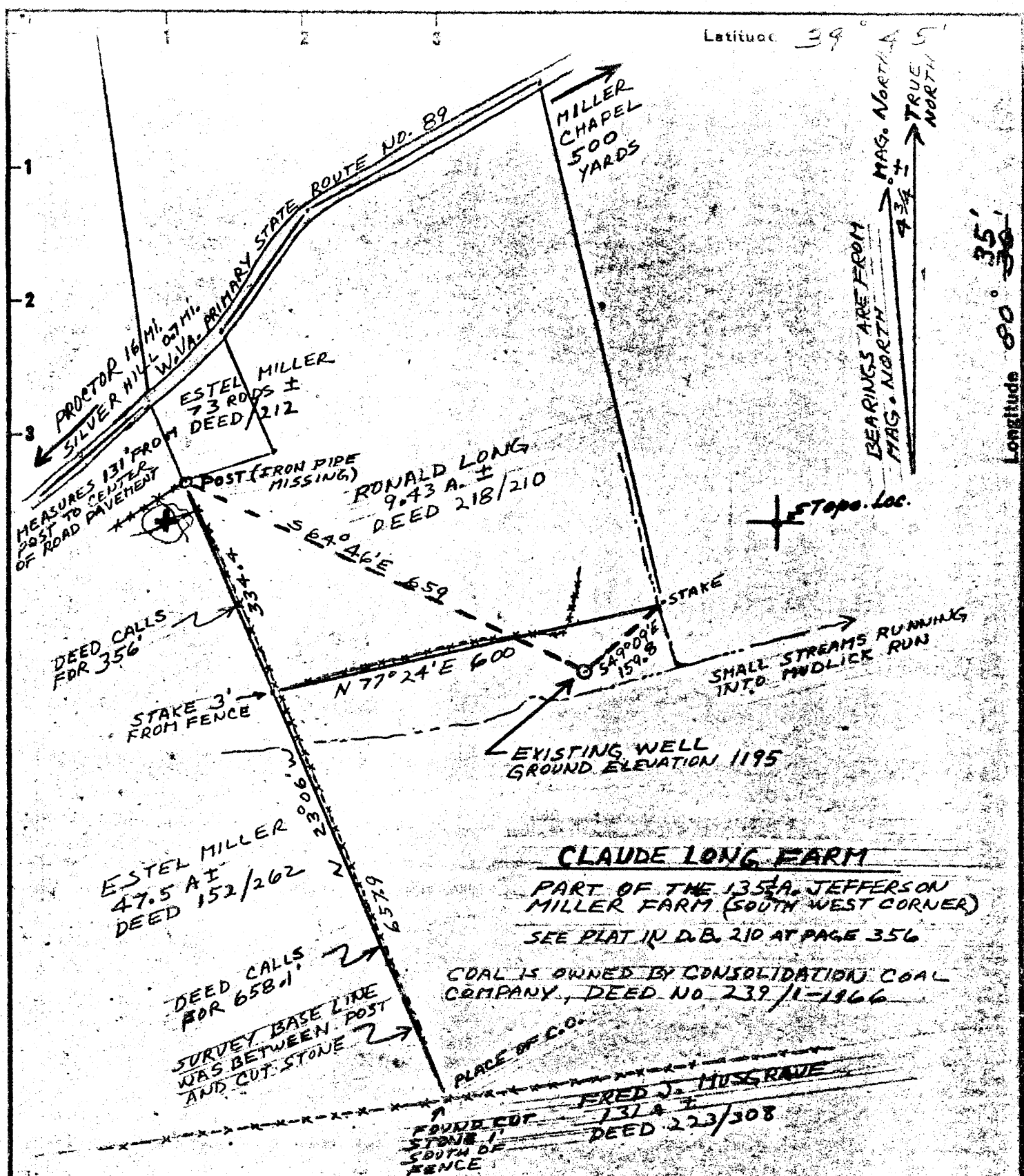
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

47 103
 MAP No 73-99

Latitude 39° 45'

Longitude 80° 35'



CLAUDE LONG FARM
 PART OF THE 135.1 A. JEFFERSON MILLER FARM (SOUTH WEST CORNER)
 SEE PLAT IN D.B. 210 AT PAGE 356

COAL IS OWNED BY CONSOLIDATION COAL COMPANY, DEED NO 239/1-1966

Minimum Error of Closure - 1 in 4000
 Source of Elevation - B.M. No. 7-125 at Miller Chapel with an elevation of 1308.6

Fracture... **C.M.I.**, the undersigned, hereby certify that this map is correct
 New Location... to the best of my knowledge and belief and shows all the
 Drill Deeper... information required by paragraph 5 of the rules and regu-
 Abandonment... lations of the oil and gas section of the mining laws of
 West Virginia

Signed: *Henry M. Parsons*
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

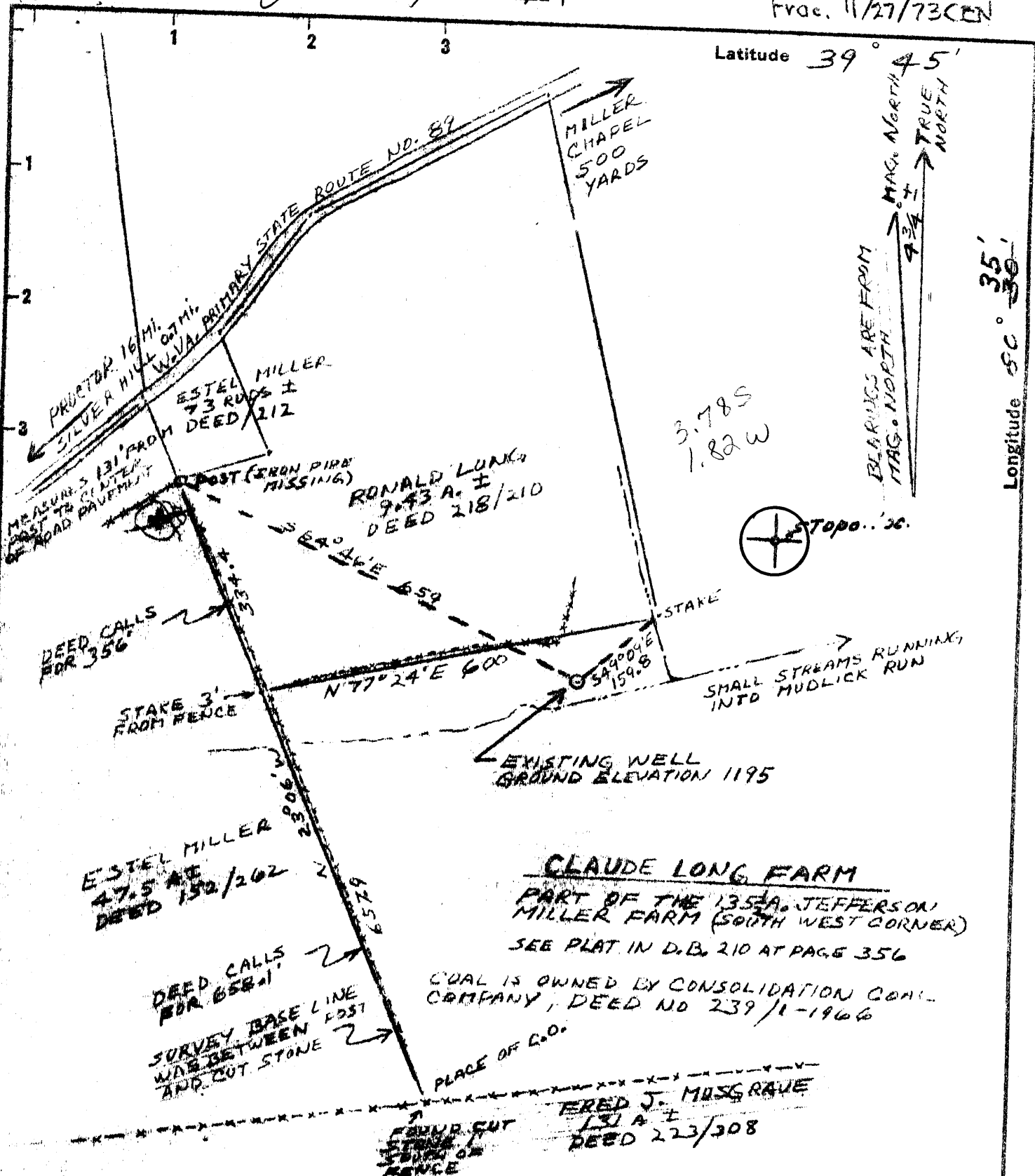
Mc Combs, Conrad & Barratt
 Company Producers of Natural Energy
 P.O. Box 88 72a West Main
 Address New Concord, Ohio 45762
 Farm Claude Long (part of Jefferson Miller)
 Tract Part of 135.1 A. Lease No. M, L & G Co.
 Claude Long Well # 1 Serial No. _____
 Elevation (Spirit Level) 1195.5
 Quadrangle Littleton
 County Wetzel District Center
 Surveyor Henry M. Parsons
 Surveyor's Engineer's Registration No. 98
 File No. _____ Drawing No. _____
 Date Nov. 23, 1973 Scale 1" = 200'

WELL LOCATION MAP
 FILE NO. WET-8-FRAC-*Case*

Re-based under Wet 599-16
 + 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.

47 103
 MAP No 73-99



Minimum Error of Closure - 1 in 4000
 Source of Elevation - B.M. No. 2-125 at Miller Chapel with an elevation of 1308.6
 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 5 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Fracture...
 New Location...
 Drill Deeper...
 Abandonment...

Company Producers of Natural Energy
 Address P.O. Box 88 724 West Main New Concord, Ohio 43062
 Farm Claude Long (part of Jefferson Miller)
 Tract Part of 1354A. Acres 4.483 Lease No. FL 80 Co.
 Well (Farm) No. Claude Long Well # 1 Serial No. _____
 Elevation (Spirit Level) 1195.1
 Quadrangle Littleton NC
 County Wayne District Center
 Surveyor Henry M. Parsons
 Engineer's Registration No. 98
 File No. _____ Drawing No. _____
 Date Nov. 3, 1973 Scale 1" = 10'

Signed: Henry M. Parsons
 STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. WET-8-FRAC.

+ 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.



RECEIVED

MAR 18 1974

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary _____ Oil X C. NO. _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Littleton *594 D*
Permit No. WET-8-FRAC (See remarks)

Company <u>McCombs-Conrad & Barrett</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>Box 88, New Concord, Ohio 43762</u>	Size			
Farm <u>Claude Long</u> Acres <u>140</u>	20-16			
Location (waters) <u>Near Mud Lick Run</u>	Cond.			
Well No. <u>No. 1 *</u> Elev. <u>1195' Grn.</u>	13-10" 10"		140	
District <u>Center</u> County <u>Wetzel</u>	9 5/8			
The surface of tract is owned in fee by _____	8 5/8		1445	
Address <u>Doolin Rt. Box 162, New Martinsville, W. Va. 26155</u>	5 1/2		2240	
Mineral rights are owned by <u>Above</u>	4 1/2			
WORKOVER Address _____	3			
Drilling Commenced <u>11/23/73</u>	2			
WORKOVER _____	Liners Used			
Drilling Completed <u>2/6/74</u>				
Initial open flow _____ cu. ft. <u>10</u> bbls.				
Final production _____ cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

* Formerly Manufacturer's Light & Heat Co. Jefferson Miller #2(L-4323)

REMARKS: Well was cleaned out and was not fractured

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand GORDON STRAY Depth _____

Formation	Color	Hard or Soft	* Top Feet	* Bottom Feet	Oil, Gas or Water	* Remarks
Pittsburgh Coal			1058	1068		
Little Dunkard Sand			1460	1500		
Big Dunkard Sand		1547	1578	1610		
1st Gas Sand			1638	1676		
2nd Gas Sand			1692	1782		
Pottsville Group Sands (salt)			1825	2120		
Maxton Sand & Little Lime			2145	2195		
Pencil Cave			2195	2200		
Big Lime			2200	2273		
Keener Sand			2276	2316		
Big Injun Sand			2316	2486		
<u>Gordon Stray</u>			3086	3094		

1196
1058
137
2200
1195
1004

water at bottom

oil & gas show 2145
1195
900

former gas production

(cleaned out depth)

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 3 1974

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 29, 1974

Surface Owner CLAUDE LONG
Address Doolin Rt., New Martinsville, W. Va.
Mineral Owner Claude Long & Orlen Miller
Address Doolin Rt., New Martinsville, W. Va.
Coal Owner Consolidation Coal Company
Address P. O. Drawer "L", Moundsville, W. Va.
Coal Operator NONE 26041
Address _____

Company McCombs-Conrad & Barrett
Address Box 88, New Concord, Ohio 43762
Farm Claude Long Acres 140
Location (waters) stream into Mud Lick Run
Well No. 1 * Elevation 1195 Grn.
District Center County Wetzel
Quadrangle Littleton

* Formerly Jefferson Miller No. 2

THIS PERMIT MUST BE POSTED AT THE WELL SITE

INSPECTOR TO BE NOTIFIED Paul Garrett
321 Beech St. PH: 622-3871
Clarksburg, WV.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for deepening. This permit shall expire if operations have not commenced by 11-3-74.

Robert H. Barrett
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) ^{assignment} ~~under xxxxxxxxxxxxxxx~~ October 15 1973 by Claude Long made to McCombs-Conrad & Barrett and recorded on the 16th day of October 1973, in Wetzel County, Book 54 A Page 473

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. Permanent copy of Plat on file.
Permit No. WET-8-FRAC, Nov. 23, 1973

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 1 day July 1974 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, W. Va. 26505
AC 304-296-4461

Very truly yours, Barrett P. Barrett
(Sign Name) McCombs-Conrad & Barrett
Well Operator

Address Box 88 Street
of New Concord City or Town
Well Operator Ohio 43762 State

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.

WET-8-FRAC. Cancelled
Re-Issued as WET-594-DD. PERMIT NUMBER

BLANKET BOND

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Unknown _____ NAME William Metzner _____
 ADDRESS _____ ADDRESS 1216 Eoff St., Wheeling, W. Va. 26 _____
 TELEPHONE _____ TELEPHONE 304-233-3519 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 3200 _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Gordon _____
 TYPE OF WELL: OIL _____ GAS _____ 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			
13 - 10 <u>10"</u>	<u>00' Approx.</u>	<u>Same</u>	
9 - 5/8			
8 - 5/8	<u>Approx. 1600'</u>	<u>Same</u>	
7	<u>Set in Greenbrier</u>	<u>Same</u>	
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65' FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 1075' _____
 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 CONSOLIDATION 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 CONSOLIDATION 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.

Hugh H. Lucas
 For Coal Company
Chief Engineer
 Official Title



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
NOV 27 1973

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 23, 1973

Surface Owner Claude Long
Address Doolin Rd. - New Martinsville, W. Va. 26155
Mineral Owner Claude Long
Address Above
Coal Owner Consolidation Coal Company
Address P. O. Drawer "L", Moundsville
Coal Operator none
Address _____

Company McCombs-Conrad & Barrett
Address Box 88, New Concord, OH 43762
Farm Claude Miller Small 5 streams Acres 140
Location (waters) into Mud Lick Run
Well No. 1* Elevation 1195.5'
District Center County Wetzel
Quadrangle Littleton

*Formerly (Manufacturer's Light and Heat Co. - Well No. L-4323)
Jefferson Miller No. 2.

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 fracturing. This permit shall expire if
operations have not commenced by 3-29-74

INSPECTOR TO BE NOTIFIED Paul W. Garrett
P. O. Box 276 PH: 337-9386
Paden City, WV.

Robert A. Fadd
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 assignment dated October 15 1973 by Claude Long made to McCombs-Conrad & Barrett and recorded on the 16th day of October 1973 in Wetzel County, Book 54A Page 473

NEW WELL _____ DRILL DEEPER _____ REDRILL X FRACTURE OR STIMULATE _____
X 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 RETURN COPIES OF ALL
GEOLOGICAL LOGS EXPEDITIOUSLY TO:
West Virginia Geological and Mineralogical Survey
P. O. Box
Morgantown, W. Va. 26506
40 309-201 1481

Very truly yours, Barrett Barrett
(Sign Name) McCombs-Conrad & Barrett
Well Operator

Box 88
Street
New Concord
City or Town
Ohio 43762
State

SECTION 3 ... If no objections are filed or found by the Department of mines, within said period after 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, containing 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 RECORD

WET-8-FRAC. _____ PERMIT NUMBER

Survey

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

PROPOSED WORK ORDER TO _____ DRILL X _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Unknown _____ NAME William Metzner _____
 ADDRESS _____ ADDRESS 1216 Eoff St., Wheeling W. Va. 2600 _____
 TELEPHONE _____ TELEPHONE 304-233-3519 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 3800 * _____ ROTARY _____ CABLE TOOLS X _____
 PROPOSED GEOLOGICAL FORMATION: Speechley _____
 TYPE OF WELL: OIL X _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

* Well will be deepened from present total depth of 3094' in Gordon Stray to 3800'.
 TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10 <u>10"</u>	<u>140</u>	<u>140</u>	
9 - 5/8			
8 - 5/8	<u>1445</u>	<u>1445</u>	
7	<u>2240</u>	<u>2240</u>	
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 65 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 1058 to 1068 _____
 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: See Permit No. WET-8-FRAC, Nov. 23, 1973

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