



Latitude 38° 25'

Longitude 82° 15' 30"

- New Location .
- Drill Deeper . . . . .
- Redrill . . . . .
- Abandonment . . . . .

Source of Elev. - Well # MC44-756'  
ACCURACY: 1/200

"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."

*Calc. 15' loc*  
*1.625*  
*2.94W*

Company CUMBERLAND GAS COMPANY  
 Address P.O. BOX 2386 CHARLESTON, W. VA. 25320  
 Farm WEST VIRGINIA BOARD OF CONTROL  
 Tract \_\_\_\_\_ Acres 451.1 Lease No. \_\_\_\_\_  
 Well (Farm) No. 2 Serial No. MC-45  
 Elevation (Spirit Level) 602'  
 Quadrangle GUYANDOT *EC*  
 County CABELL District BARBOURSVILLE  
 Engineer G. H. Hall  
 Engineer's Registration No. 2602  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 2-8-72 Scale 1" = 1320'

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

WELL LOCATION MAP  
FILE NO. Cal-540

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**  
**WELL RECORD'**

38-30  
6-20

Quadrangle Guyandot  
Permit No. CAB-540

Rotary \_\_\_\_\_ Oil \_\_\_\_\_  
Cable X Gas X Oil  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Cumberland Gas Company  
Address P. O. Box 2386, Charleston, W. Va.  
Farm W. Va. Board of Control Acres 451.1  
Location (waters) Guyan River  
Well No. MC-45 Elev. 602'  
District Barboursville County Cabell  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by Htg. State Hospital  
Address Box 448, Huntington, W. Va.  
Drilling Commenced March 20, 1972  
Drilling Completed May 27, 1972  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 84 M cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test 410# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 1 1/4"	17'	17'	
13-10" 10-3/4"	19 1/4'	None	
9 5/8			
8 5/8	817'	817'	190 Cu. Ft.
7	1811'	1811'	
5 1/2			
4 1/2			
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Shot with 4467# of Oilwell gelatin from 2944' to 3609'

Coal was encountered at 737-740, 752-756 Feet \_\_\_\_\_ Inches  
Fresh water 65, 240, 390 Feet \_\_\_\_\_ Salt Water 1123 Feet \_\_\_\_\_  
Producing Sand Brown Shale Depth Shot 2944' - 3609'

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	20		
Slate			20	40		
Red Rock			40	50		
Slate			50	65		
Sand			65	76	Water at 65'	
Slate			76	218		
Red Rock			218	223		
Slate			223	240		
Sand			240	262	Water at 240'	
Slate			262	306		
Red Rock			306	318		
Slate			318	362		
Sand			362	392	Water at 390'	
Slate			392	400		
Sand			400	485		
Slate			485	538		
Sand			538	626		
Slate			626	691		
Sand			691	719		
Slate			719	737		
Coal			737	740		
Slate			740	752		
Coal			752	756		
Slate			756	775		

RECEIVED

AUG 25 1972

OIL & GAS DIVISION  
DEPT. OF MINES

\* Indicates Electric Log tops in the remarks section.

(over)

Formation	Color	Hard or Soft	Top Feet /	Bottom Feet	Oil, Gas or Water	* Remarks
Sand			775	795		
Slate			795	868		
Sand			868	900		
Slate			900	980		
Slate & Shells			980	1100		
Salt Sand			1100	1210		
Dark Slate			1210	1227		
Sand			1227	1295		
Slate			1295	1305		
Red Rock			1305	1312		
Slate & Shells			1312	1350		
Sand			1350	1368		
Slate			1368	1378		
Lime			1378	1404		
Slate			1404	1409		
Big Lime			1409	1580		
Slate			1580	1594		
Injun Sand			1594	1747		
Lime			1747	1766		
Shell			1766	1816		
Slate & Shells			1816	2215		
Brown Shale			2215	2247		
Berea Sand			2247	2260		
Slate			2260	2308		
Dark Shale			2308	2324		
Slate			2324	2350		
Shell			2350	2366		
Slate			2366	2704		
Brown Shale			2704	2803		
Slate			2803	2913		
Brown Shale			2913	3000		
Slate			3000	3050		
Brown Shale			3050	3092		
Slate			3092	3100		
Brown Shale			3100	3140		
Gray Slate			3140	3170		
Brown Shale			3170	3193		
Slate			3193	3198		
Brown Shale			3198	3275		
Slate			3275	3583		
<u>Conf. Lime</u>		<i>Onondaga</i>	3583			
	T.D.			3700		

Date August 24, 19 72

APPROVED CUMBERLAND GAS COMPANY, Owner

By *[Signature]* Gen. Supt.  
(Title)



RECEIVED  
FEB 15 1972

OIL & GAS DIVISION  
DEPT. OF MINES  
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division  
OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 9, 1972

Surface Owner \_\_\_\_\_ Company Cumberland Gas Company  
 Address \_\_\_\_\_ Address P. O. Box 2386, Charleston, W. Va.  
 Mineral Owner Huntington State Hospital Farm W. Va. Board of Control Acres 451.1 <sup>25328</sup>  
 Address P. O. Box 448, Huntington, W. Va. Location (waters) Guyandotte River  
 Coal Owner W. Va. Board of Control <sup>25709</sup> Well No. 2-S MC-45 Elevation 602'  
 Address Charleston, W. Va. 25305 District Barboursville County Cabell  
 Coal Operator \_\_\_\_\_ Quadrangle Guyandot  
 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 June 15, 1972.

INSPECTOR TO BE NOTIFIED:  
Mr. Kenneth Butcher  
RFD #1, Barboursville, W. Va.  
25504  
Telephone - 736-4885

Robert L. Fodd  
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 March 26, 19 45 by W. Va. Board of Control for Huntington St. Hosp. made to Cumberland Gas Corporation and recorded on the 26th day of May, 19 45 in Cabell County, Book 145 Page 49  
 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.

Very truly yours, **CUMBERLAND GAS COMPANY**  
(Sign Name) G.H. Hall Well Operator Vice President  
1200 Union Bldg., P. O. Box 2386  
Street  
Charleston  
City or Town  
West Virginia 25328  
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.

BOND DRILL

CAB-540 PERMIT NUMBER

*Survey*

