

Longitude 81° 25'

Latitude 38° 25'

2.18 S  
1.23 W

U. F. G. CO. FEE



5817

stake

Large Gum between Road and Creek.  
WEST INDIAN ROAD  
Spruce Pines Stump.

721035  
172°15'W  
368'

DEAD GUM

White Oak and White Oak Stump.

Large Black Oak in Fence Corner.

516°30'  
100'

513°30'  
100'

5834

8804

U. F. G. CO. FEE

Redrill  issued 7/26/73  
New Location   
Drill Deeper   
Abandonment

7.5 OGIS topo loc 15' loc  
2.49 S same  
1.19 W

Company COLUMBIA GAS TRANS. CORP.  
~~UNITED FUEL GAS CO.~~  
Address CHARLESTON, W. VA., 25325  
Farm UNITED FUEL GAS CO. FEE  
Tract \_\_\_\_\_ Acres 2675 Lease No. 21002  
Well (Farm) No. \_\_\_\_\_ Serial No. 8804-T  
Elevation (Spirit Level) 918.25'  
Quadrangle CLENDENIN WC  
County KANAWHA District ELK  
Engineer Hubert R. Stowell  
Engineer's Registration No. 2529  
File No. 72-61 Drawing No. \_\_\_\_\_  
Date 1-23-59 Scale 1" = 800'

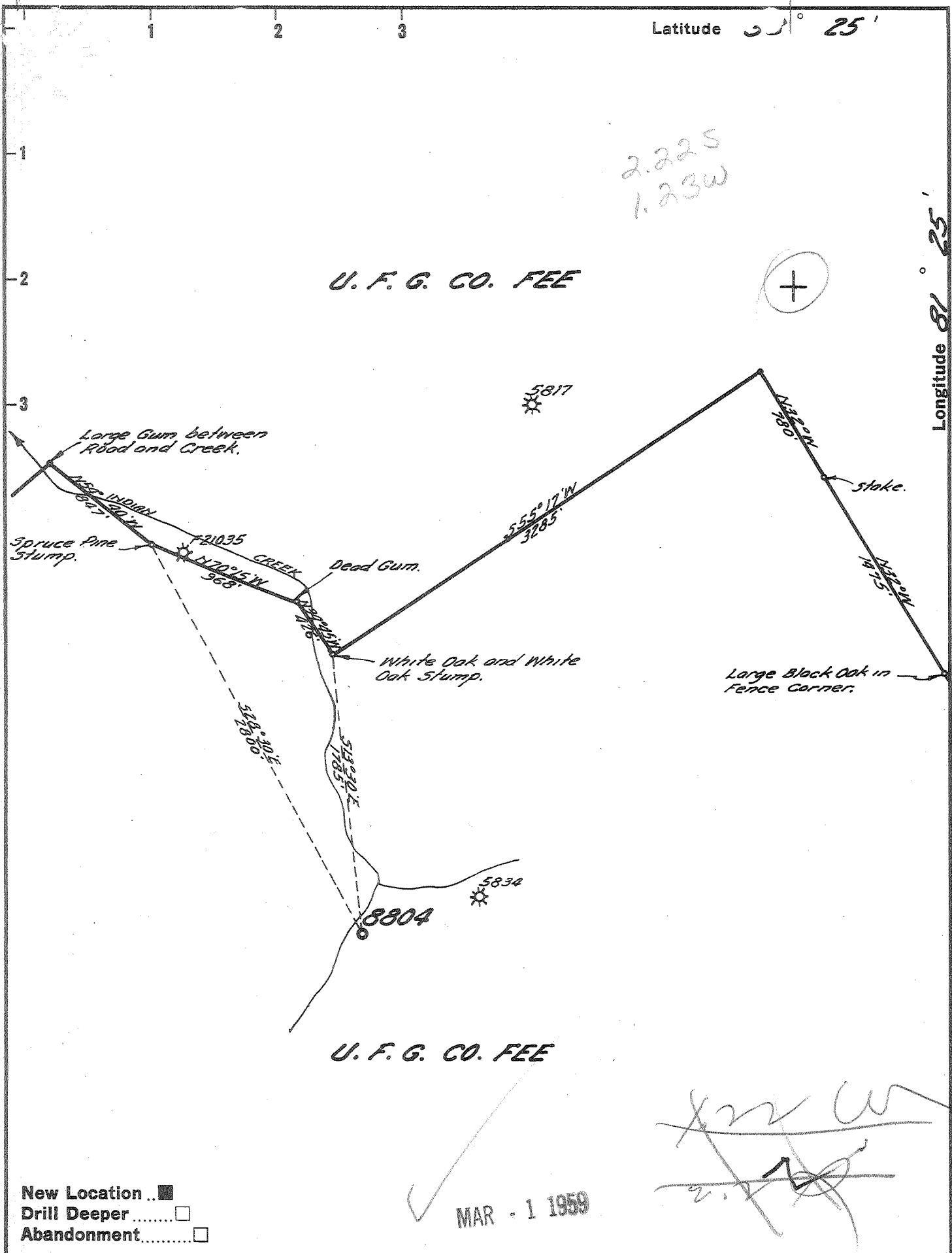
STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION  
CHARLESTON

WELL LOCATION MAP  
FILE NO. KAN-1684-Red.

+ 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.

INDIAN CREEK (358)



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

Company UNITED FUEL GAS CO.   
 Address CHARLESTON, W. VA.   
 Farm UNITED FUEL GAS CO. FEE   
 Tract \_\_\_\_\_ Acres 2675 <sup>DEED</sup> Lease No. 21002   
 Well (Farm) No. \_\_\_\_\_ Serial No. 8804   
 Elevation (Spirit Level) 918.25'   
 Quadrangle CLENDENIN   
 County KANAWHA District ELK   
 Engineer Sybert Russell   
 Engineer's Registration No. 2529   
 File No. 72-61 Drawing No. \_\_\_\_\_   
 Date 1-23-59 Scale 1" = 800'

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

WELL LOCATION MAP   
 FILE NO. KAN-1684

+ 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.

U. F. G. Co. (Fee) No. 8804 - U. F. G. Co. Deep Well KAN-1684



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 6

Quadrangle CLENDENIN

WELL RECORD

Oil or Gas Well DRY  
(KIND)

Permit No. KAN-1684

Company UNITED FUEL GAS COMPANY  
Address P. O. Box 1273 - Charleston, W. Va.  
Farm U. F. G. Fee Acres 2675  
Location (waters) Indian Creek  
Well No. 8804-T Elev. 918.25'  
District ELK County KANAWHA  
The surface of tract is owned in fee by U. F. G. Co.  
Address \_\_\_\_\_  
Mineral rights are owned by U. F. G. CO.  
Address \_\_\_\_\_

Drilling commenced March 15, 1959  
Drilling completed May 21, 1959  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow /10ths Water in \_\_\_\_\_ Inch  
/10ths Merc. in \_\_\_\_\_ Inch  
Volume Plugged and abandoned Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.  
WELL ACIDIZED \_\_\_\_\_  
WELL FRACTURED \_\_\_\_\_

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13-3/8	100'		
XX 9-5/8	1900'		Size of
8 7"	6900'		Depth set
6 3/16			Perf. top
3			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

CASING CEMENTED	SIZE	No. Ft.	Date
COAL WAS ENCOUNTERED AT	FEET	INCHES	
	FEET	INCHES	
	FEET	INCHES	

RESULT AFTER TREATMENT no results after being acidized  
ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			100	106			
Shale			106	140			
Shale and Sand			140	160			
Shale and Sand			160	210			
Sand			210	242			
coal			242	244			
Shale sand			244	300			
Sandy shale			300	400			
Sand			400	455			
Shale			455	490			
Shale sand			490	550			
Shale and sand			550	650			
Shale and sand			650	775			
Sand			775	810			
Sand & Shale			810	880			
Sand and Shale			880	900			
Sand			900	910			
Sand			910	1045			
Sand			1045	1116			
Sand			1116	1150			
Sand			1150	1179			
Sand			1179	1215			
Sand			1215	1232			
Shale			1232	1265			
Shale & sand			1265	1300			
Shale			1300	1350			
Sand			1350	1362			
Sand			1362	1380			

JAN 25 1960

(over)

U. F. G. Co. (Fee) No. 8804-T U. F. G. Co. KAN-1684

Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1380	1409			
Sand-Shells-Lime			1409	1460			
Lime			1460	1560			
Shale and Sand			1560	1625			
Shale and sand			1625	1655			
Sand			1655	1680			
S. Lime - Red Rock			1680	1720			
Sand			1720	1800			
Shale & Lime			1800	1830			
Shale and sand			1830	1840			
shale-			1840	1855			
Sand & Shale			1855	1890			
shale & shells			1890	2080			
Shale & Shells		2080'	XXXX	XXXX 2210			
Shale & Shells			2210	2440			
Shale & Shells			2440	2700			
Sandy shale			2700	2760			
shale and sand			2760	2950			
shale and sand			2950	3300			
shale and sand			3300	3535			
sandy shale			3535	3280			
shale & shells			3580	3825			
shale and sand			3825	4015			
shale and sand			4015	4210			
shale-sand-shells			4210	4340			
shale & sand			4340	4500			
Shale and Shells			4500	4650			
shale and shells			4650	4995			
Lime			4995	5095			
Sand			5095	5186			
Lime-S - Sand			5186	5212			
Lime and sand			5212	5350			
Lime and sand			5350	5385			
Lime and sand			5385	5465			
Lime and shale			5465	5495			
Lime and shale			5495	5630			
Lime and Anhydrite			5630	5700			
Lime and "			5700	5800			
Lime and "			5800	5860			
Lime " - Shale			5860	6140			
Dolomite & Sand			6140	6240			
Shale			6240	6480			
Shale & Salt			6480	6624			
Sand			6624	6712	Gas 6690'-6695' - 5,010M - 65% CO2		
Shale & S. Stone			6712	6720	Rock pressure 2930#		
<i>Total depth</i>				6900			
			6624	Well plugged back to 5750 - for testing			
			918	Test before acidized @			
			5706	Attempted to acidize from 5638-5668' with 500 gallons 18% HF, STP, and penetrant - no results after acidized			
			5712				
			918				
			5794				

Date JUNE 10, 19 59

APPROVED UNITED FUEL GAS COMPANY, Owner

By \_\_\_\_\_ (Title)



RECEIVED

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Clendenin  
Permit No. KAN-1684 RED.

Rat hole  X  
Casing  Gas  X  
Reevling  Comb  
Water Flood  Storage  
Disposal  65% CO<sub>2</sub>  
(Kind)

Company Columbia Gas Transmission Corporation  
Address P.O. BOX 1273, Charleston, WV 25325  
Farm Fee Land Acres 2675  
Location (waters) Indian Creek  
Well No. 8804-T Elev. 918.25'  
District Elk County Kanawha  
The surface of tract is owned in fee by Columbia Gas Transmission Corporation

Address \_\_\_\_\_  
Mineral rights are owned by Columbia Gas Trans. Corp. Address \_\_\_\_\_  
Drilling Commenced 9-15-73  
Drilling Completed 9-19-73  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well
Size		
20-16		
Cond.		
13-10"		
9 5/8		
8 5/8		
7		
5 1/2		
4 1/2	6771	6771
3		
2		
Liners Used		

Cement fill up  
Cu. ft. (S&S)  
  
4 1/2" casing in  
6-1/8" hole.  
  
2300 ft. of fill  
with 219 ft.<sup>3</sup>  
(180 sx) cement.

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand \_\_\_\_\_ Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale	Red	Hard	6720	6771	None.	*Rat hole for 4 1/2" production casing.

*reworked for CO<sub>2</sub> & Methane in Tusc. Sr.  
called Indian Creek disc. well by Columbia*

\* Indicates Electric Log tops in the remarks section.

(over)

Location: 2.22 miles S. Lat. 38° 25'  
 1.22 miles W. Long. 81° 25'

U. F. G. (FEE) NO. 8804-T (WELL)

Elk District, Kanawha County, W. Va.  
 By United Fuel Gas Company, P. O. Box 1273, Charleston, W. Va.  
 Drilled under permit Kan-1684, Clendenin quadrangle.  
 On 2675 acres, on Indian Creek.  
 Elevation 918.25' L.  
 Surface and minerals owned by U. F. G. Co.  
 Drilling commenced March 15, 1959; completed May 21, 1959.  
 Volume: Plugged and abandoned.  
 No results after being acidized.  
 Well plugged back to 5750' - for testing.  
 Attempted to acidize from 5638-5668', with 500 gals. 18% HF, STP, and penetrant - no results.  
 Gas 6690-95' - 5,040 M - 65% CO<sub>2</sub>. *Tuscarora*  
 Rock pressure 2930#.  
 13 3/8" casing, 100' (pulled); 9 5/8", 1900' (pulled); 7", 6900' (pulled).  
 Record to Dept. of Mines, June 10, 1959.  
 Record from Allen, Jan. 25, 1960.

	Top.	Bottom.
Sand	100	106
Shale	106	140
Shale and sand	140	160
Shale and sand	160	210
Sand	210	242
Coal	242	244
Shale sand	244	300
Sandy shale	300	400
Sand	400	455
Shale	455	490
Shale sand	490	550
Shale and sand	550	650
Shale and sand	650	775
Sand	775	810
Sand and shale	810	880
Sand and shale	880	900
Sand	900	910
Sand	910	1045
Sand	1045	1116
Sand	1116	1150
Sand	1150	1179
Sand	1179	1215
sand	1215	1232
Shale	1232	1265
Shale and sand	1265	1300
Shale	1300	1350
Sand	1350	1362
Sand	1362	1380
Sand	1380	1409
Sand-shells-lime	1409	1460
Lime	1460	1560
Shale and sand	1560	1625
Shale and sand	1625	1655
Sand	1655	1680
S. Lime and Red rock	1680	1720
sand	1720	1800
Shale and lime	1800	1830
Shale and sand	1830	1840

	Top.	Bottom.	
Shale	1840	1855	
Sand and shale	1855	1890	
Shale and shells	1890	2080	
Shale and shells	2080	2210	
Shale and shells	2210	2440	
Shale and shells	2440	2700	
Sandy shale	2700	2760	
Shale and sand	2760	2950	
Shale and sand	2950	3300	
Shale and sand	3300	3535	
Sandy shale	3535	3580	
Shale and shells	3580	3825	
Shale and sand	3825	4015	
Shale and sand	4015	4210	
Shale-sand-shells	4210	4340	
Shale and sand	4340	4500	
Shale and shells	4500	4650	
Shale and shells	4650	4995	
On sand. Lime	4995	5095	
On risk. Sand	5095	5186	
Hold {	Lime - S - Sand	5186	5212
	Lime and sand	5212	5350
	Lime and sand	5350	5385
Ton w.c.	Lime and shale	5385	5465
	Lime and shalerite	5465	5540
	Lime and Anhydrite	5530	5700
	Lime and Anhydrite	5700	5800
	Lime and Anhydrite	5800	5860
<del>McRenzie</del> Lime - Anhydrite and shale	5860	6140	
<del>McRenzie</del> Dolomite and sand	6140	6240	
Shale	6240	6480	
Shale and salt?	6480	6624	
Just? Sand	6624	6712	
Shale and S. stone	6711	6720	
TOTAL DEPTH		6900	

4995 5095 5186  
 918 918 918  
 4077 4177 4268

5095 6624  
 918 918  
 4177 5706



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
JUL 26 1973

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 July 23, 1973

Surface Owner W. H. O'Dell Hrs. et. al.  
Address Charleston, West Virginia

Company Columbia Gas Transmission Corporation  
Address P.O. Box 1273, Charleston, W.Va. 25325

Mineral Owner Columbia Gas Transmission Corp.  
Address P.O. Box 1273, Charleston, W. Va. 25325

Farm Col. Gas Trans. Corp. Acres 2675

Coal Owner Not Operated

Location (waters) Indiana Creek / Elk River

Coal Operator Not Operated

Well No. 8804-T-DD Elevation 918.25'

Address \_\_\_\_\_

District Elk County Kanawha

Address \_\_\_\_\_

Quadrangle Clendenin

Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED Mr. Fred Burdette  
Box 190 PH: 984-9263  
Circleville, W. Va. 25185

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 Redrilling. This permit shall expire if  
operations have not commenced by 11-26-73  
Robert S. Wood  
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 December 17, 1973 by Ruffner Campbell, et al made to Col. Gas Trans. Corp. and recorded on the 10th day of March 1975, in Kanawha County, Book 282 Page 134

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 23rd day July 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, Columbia Gas Transmission Corp.

(Sign Name) Jeff J. Wood  
Well Operator  
Manager, Exploratory Drilling  
P.O. Box 1273

Address of Well Operator  
Street Charleston, West Virginia  
City or Town  
State 25325

old T.D.  
6900' in  
Jun. 7  
Samples to  
6720'

\*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

KAN-1684-Red PERMIT NUMBER



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

PROPOSED WORK ORDER TO  ReDRILL  DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME \_\_\_\_\_ NAME W. H. Chapman  
 ADDRESS \_\_\_\_\_ ADDRESS P.C. Box 610 Clendenin 25045  
 TELEPHONE \_\_\_\_\_ TELEPHONE (304) 965-3317  
 ESTIMATED DEPTH OF COMPLETED WELL: 6800' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Clinton  
 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 - <del>XXX</del>	19'	19'	
<del>XXXXXX</del> 13-3/8"	100'	100'	100 - 0
9 - 5/8	1855'	1855'	1855 - 0
8 - 5/8			
7	5370'	5370'	5370 - 5150
5 1/2			
4 1/2	6800'	6800'	6800' to 5000'
3			Perf. Top
2	6700'	6700'	Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS 242' - 244'  
 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