



LATITUDE 38° 10'

1.17 S
0.12 W

38 09 00
82 30 10

BALIFRIGGS

7.5
OSIS map
.75
.16 W

TOPOG
LOG
7 1/2



LONGITUDE 82° 30'

Minimum Error of Closure 1:200

Source of Elevation J.H. JUDE WELL NO. 1. ELEV 900

925' NE OF LOCATION

- Fracture.....
- 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.

Map No. _____

Signed: Wm. J. Watts L.L.S.
Squares: N S E W

Company CLINT HURT & ASSOC INC
 Address ELKVIEW, WEST VA
 Farm T.L. BLACK, COLUMBIA GAS CO., MIN
 Tract _____ Acres 258 Lease No. _____
 Well (Farm) No. 1 Serial No. 1
 Elevation (Spirit Level) 948.5 EC
 Quadrangle PRICHARD 7 1/2', LOUISA 15'
 County WAYNE District BUTLER
Wm. T. Watts L.L.S.
 Registration No. 395
 File No. _____ Drawing No. _____
 Date 9-29-77 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. WAY-1605

+ Denotes location of well on United States Topographic Maps, scale 1 to 24000, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.

OCT 28 1977
 47-099

6-6 Whites Creek-Crossed (320)



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JAN 23 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Pritchard 7-1/2

Permit No. WAY 1605

Company Clint Hurt & Associates, Inc.
Address P.O. Box 1973, Midland, TX 79702
Farm T.L. Black Acres 258
Location (waters) Track Fork Greenbrier Cr.
Well No. 1 Elev. 948.5
District Butler County Wayne
The surface of tract is owned in fee by T.L. Black

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8		267	100sx. reg 3%cc cement circ. to SFC
7			
5 1/2			
4 1/2		2278	75sx. 50/50 poz min.
3			
2			
Liners Used	none		

Address _____
Mineral rights are owned by Columbia Gas Trans. Corp.
Address Box 1273, Charleston, W.VA.

Drilling Commenced 10-10-77
Drilling Completed 10-14-77
Initial open flow _____ cu. ft. 10 bbls.
Final production _____ cu. ft. per day 7 bbls.
Well open _____ hrs. before test _____ RP.

Well treatment details:

Attach copy of cementing record.

Frac w/511 bbls. lease oil 100sx. SD (Halliburton)

Coal was encountered at none Feet _____ Inches _____
Fresh water 80 Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 2229

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Substructure			0	8	-	
Surface rock			8	75		
Sand, rock			75	87	fresh	
Shale w/sd. stks.			87	1003		
Sand w/shly stks.			1003	1384		
Lime			1384	1511		
Sand			1511	1582		
Shale			1582	1768		
Shale w/shly sd stks			1768	2129		
Sand Berea			2129	2137		
Shale			2137	2285	TD	

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

RECEIVED
OCT - 4 1977
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE October 3, 1977
Company Clint Hurt & Assoc., Inc.
Address Box 388, Elkview, V. Va.
Mineral Owner Columbia Gas Transmission Corp Farm T. L. Black Acres 258
Address P. O. Box 1273, Charleston, W. Va. Location (waters) Trace Pk. Greenbrier Br
Coal Owner None Well No. 1 Elevation 948.5
Address _____ District Butler County Wayne
Coal Operator _____ Quadrangle Fritchard (7 1/2")
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 2-4-78
Robert A. O'Neil INSPECTOR
Deputy Director - Oil & Gas Division TO BE NOTIFIED Kenneth Butcher
ADDRESS Barboursville, W. Va.
PHONE 736-4885

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 July 2 1976 by R. A. Adkins made to Clint Hurt Assoc. and recorded on the 26th day of Oct. 1976, in Wayne County, Book 17 Page 388

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,
(Sign Name) J. Archer Well Operator
Box 388
Elkview Street
West Virginia
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.

BLANKET BOND

WAY-1605 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

47-099

Signed by _____

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

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Clint Hurt & Assoc. NAME John Archer
 ADDRESS Box 388, Elkview, W. Va. ADDRESS Box 388, Elkview, W. Va.
 TELEPHONE 965-6541 TELEPHONE 965-6541
 ESTIMATED DEPTH OF COMPLETED WELL: 2350 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea
 TYPE OF WELL: OIL X 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			
9 - 5/8			
8 - 5/8	265	265	To surface
7			
5 1/2			
4 1/2	2350	2350	50 SA
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 215 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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