



Minimum Error of Closure 1:200

Source of Elevation T. L. BLACK WELL N° 1, ELEV 948.5
1000' EAST OF LOCATION

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.

Signed: Ann T. Watts L.L.S.
 Squares: N S E W

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

Map No. _____

Company CLINT HURT & ASSOC INC
 Address ELKVIEW, WEST VA
 Farm T. L. BLACK COLUMBIA GAS CO
 Tract 21 Acres 258 Lease No. _____
 Well (Farm) No. 2 Serial No. _____
 Elevation (Spirit Level) 965.5 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 12-20-77 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. WAY-1611

+ Denotes location of well on United States Topographic Maps, scale 1 to 25000, latitude and longitude lines being represented by border lines as shown.
 APR 10 1978

- Denotes one inch spaces on border line of original tracing.
47-099

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Reviewed TMG
Recorded _____

Well Operator's Report of Well Work

RECEIVED
JAN 17 91
Division of Energy
Oil and Gas

Farm name: BLACK, T. L. Operator Well No.: 2

LOCATION: Elevation: 965.50 Quadrangle: LOUISA

District: BUTLER County: WAYNE
Latitude: 3800 Feet South of 38 Deg. 10Min. 0 Sec.
Longitude 2200 Feet West of 82 Deg. 30 Min. 0 Sec.

Company: HURT, CLINT, & ASSOC., IN
P.O. BOX 3067
CHARLESTON, WV 25331-3067

Agent: I. D. BARTRAM

Inspector: TIM BENNETT
Permit Issued: 03/28/78
Well work Commenced: 5/10/78
Well work Completed: 5/14/78
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) _____
Fresh water depths (ft) _____

Salt water depths (ft) _____

Is coal being mined in area (Y/N)? N
Coal Depths (ft): None

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	318	318'	To Surface
4 1/2		2291'	To 1600'
2 3/8		2230	

RECEIVED

NOV 19 90

Division of Energy
Oil and Gas Section

OPEN FLOW DATA

Producing formation Berea Pay zone depth (ft) 2204-2208
Gas: Initial open flow -0- MCF/d Oil: Initial open flow - Bbl/d
Final open flow ~~200~~ MCF/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests 72 Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: Clint Hurt & Associates Inc
HURT, CLINT, & ASSOC., INC.

By: I. Daniel Bartram
Date: 11-12-90

JAN 18 1991

Perforated Intervals

2207' - 2208' 2 holes
2240' - 2243' 4 holes
2284' - 2287' 3 holes

Treated w/11,600 ~~SS~~ [#] 20/40 Sand and Oil
Breakdown 2000#. ATP 2800#

0 - 1370 Sand & Shale
1370 - 1390 Shale
1390 - 1580 Big Lime
1580 - 1690 Shale
1690 - 1730 Big Injun
1730 - 2192 Shale
2192 - 2202 Coffee Shale
2202 - 2212 Berea
2212 - 2287 Shale w/Sand Stringers

2680



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

RECEIVED
MAR 27 1978
OIL & GAS DIVISION
DEPARTMENT OF MINES

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

DATE March 27, 1978

Surface Owner Balif Riggs
Address Wayne, W. Va.
Mineral Owner Columbia Gas Company
Address _____
Coal Owner none
Address _____
Coal Operator none
Address _____

Company Clint Hurt & Associates, Inc.
Address Box 1973; Midland, TX 79702
Farm T.L. Black Acres 258
Location (waters) Trace fork of Greenbrier
Well No. 2 Elevation 965.5'
District Butler County Wayne
Quadrangle Prichard 7-1/2'

THIS PERMIT MUST BE POSTED AT THE WELL SITE

Conditions being in accordance with Chapter 22,
Code, the location is hereby approved

for drilling. This permit shall expire if
operations have not commenced by 7-28-78

INSPECTOR TO BE NOTIFIED Kenneth Butcher
PHONE: 736-4885 ADDRESS Barboursville, W. Va.

[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 July 2 1976 by R.H. Adkins made to Clint Hurt & Associates, Inc. and recorded on the 26 day of Oct. 1976 in Wayne County, Book 17 Page 386

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,

(Sign Name) J. R. Archer

Well Operator
Clint Hurt & Associates, Inc.
Box 1973 Street
Midland City or Town
Texas 79702 State

PLEASE SUBMIT COPIES OF ALL
GEOLOGICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 879
Morgantown, W. Va. 26505

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.

BLANKET BOND

WAY-1611 PERMIT NUMBER

**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 & Associates, Inc. NAME John Archer
 ADDRESS Box 1973 - Midland, TX 79702 ADDRESS Box 388 - Elkview, W.VA. 25071
 TELEPHONE AC 915-683-6381; AC 304-965-7356 TELEPHONE AC304-965-7356
 ESTIMATED DEPTH OF COMPLETED WELL: 2400 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	300'	300'	circ. to surface
7			
5 1/2			
4 1/2	2400'	2400'	75 sx.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS none
 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