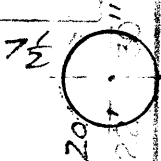


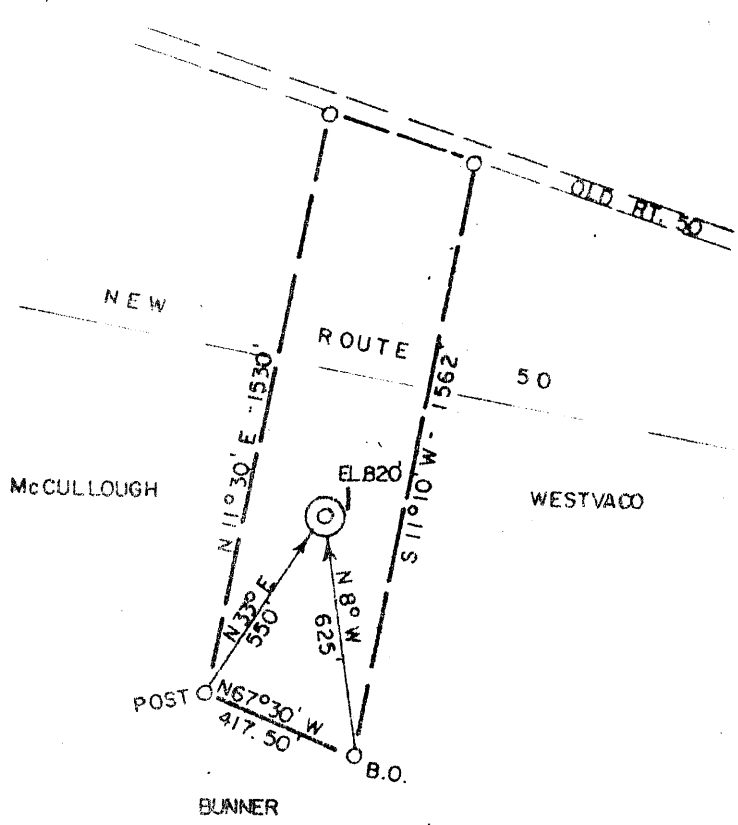
0.415  
2.40W



2280' SOUTH  
400' WEST



Longitude 81° 08' 00"



39 14 45  
80 22 40



ACCURACY: 1" = 200'

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill
- Other

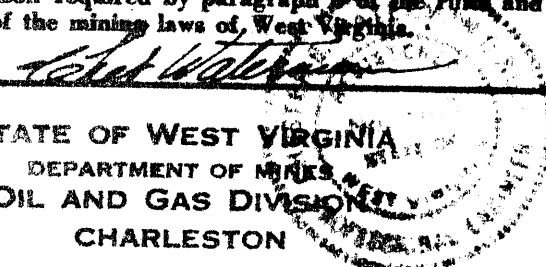
Formation BEREA

Est. Depth 2400'

Oil   
 Gas   
 Other

Source of Elevation DALLISON (705')

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.



Company CLINT HURT & ASSOCIATES  
 Address ELKVIEW, WV  
 Surface Owner H. K. McCULLOUGH  
 Mineral Owner " " "

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

Well No. 1 Acres 14.5

Elevation 820' ELIZABETH 15 NC

Quadrangle KANAWHA Series 7.5'

County WOOD District WALKER

Date 7/25/80 Scale 1" = 500'

WELL LOCATION MAP  
47 - 107 - 1073  
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.  
 Engineer CHET WATERMAN  
 Engineer's Registration No. 3788 File No. 80-417

6-6

HENDERSHOT-OGDIN

2400 BEREA

71 SEP 23 1980



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**

**WELL RECORD**

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

Quadrangle Little Kanawha  
Permit No. 47-107-1073

Company Clint Hurt & Associates, Inc  
Address P. O. Box 388; Elkview, W. Va.  
Farm H. K. McCullough Acres 8.6  
Location (waters) Stillwell Creek  
Well No. #1 Elev. 820'  
District Walker County Wood  
The surface of tract is owned in fee by \_\_\_\_\_  
H. K. McCullough  
Address Davisville, W. Va.  
Mineral rights are owned by same  
Address \_\_\_\_\_  
Drilling Commenced 10/23/80  
Drilling Completed 10/27/80  
Initial open flow \_\_\_\_\_ cu. ft. show bbls.  
Final production 40M cu. ft. per day 2 bbls.  
Well open 4 hrs. before test 640# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
25071			
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	267	267	75 sacks to surface
7			
5 1/2			
4 1/2 9.5# ERW		2268	115 sxs
3		103	35 sacks
2			
Liners Used			

Well treatment details: Attach copy of cementing record.  
12 holes perforated 2294-2298; 500 gal 15% HCl; 30,000 # 20/40; 1 gal 15N;  
1000# WG-12; 28 gal Cla Sta B; Total Frac 715 BBl; Average rate 31.1 BPM;  
Break 1000#; Average Treating Pressure 1421; ISIP 900#; 15 min SIP 600#

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Berea Depth 2294-2298

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	267		
Shale			268	1460		
Sand & Shale			1460	1724		
Shale			1724	1956		
Sand & Shale			1957	2294		
<u>Berea</u>			2294	2298	Show oil	
Shale			2298	2404		

RECEIVED  
APR 10 1981

OIL & GAS DIVISION  
DEPT. OF MINES

APR 28 1981



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

SEP - 5 1980

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 9-2-80

Surface Owner Harold & Wilma McCullough

Company Clint Hurt & Associates, Inc.

Address Rt. # 1, Davisville, W. Va.

Address P. O. Box 388 Elkview, W. Va. 25071

Mineral Owner Harold & Wilma McCullough

Farm McCullough Acres 12

Address Rt. # 1, Davisville, W. Va.

Location (waters) Stillwell Creek

Coal Owner same

Well No. #2. Elevation 820'

Address \_\_\_\_\_

District Walker County Wood

Coal Operator none

Quadrangle Kanawha

Address \_\_\_\_\_

THIS PERMIT MUST BE POSTED AT THE WELL SITE

If 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 5-9-81.

INSPECTOR  
TO BE NOTIFIED K. Paul Goodnight

ADDRESS Smithville, W. Va. 26178

PHONE 477-3660

*[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 4, 1979 by Harold & Wilma McCullough made to North Hills Investment Co. and recorded on the 18th. day of October 1979 in Wood County, Book 729 Page 360

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, *Clint Hurt & Associates, Inc*  
(Sign Name) *By J. David Bohannon*  
Well Operator

P. O. Box 388  
Street  
Elkview,  
City or Town  
West Virginia 25071  
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

*Janner*

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 Clint Hurt & Associates, Inc. NAME I. David Bartram  
 ADDRESS P.O. Box 388 Elkview, W. Va. 25071 ADDRESS P. O. Box 388, Elkview, W. Va. 25071  
 TELEPHONE (304) 344-2401 TELEPHONE (304) 344-2401  
 ESTIMATED DEPTH OF COMPLETED WELL: 2400' ROTARY  CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Berka  
 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			
9 - 5/8	250'	250'	to surface.
8 - 5/8			
7			
5 1/2			
4 1/2	2400'	2400'	600'
3			Perf. Top
2	2400'	2400'	Perf. Bottom
Liners			Perf. Top
Rods.	2400'	2400'	Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET 1800' 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