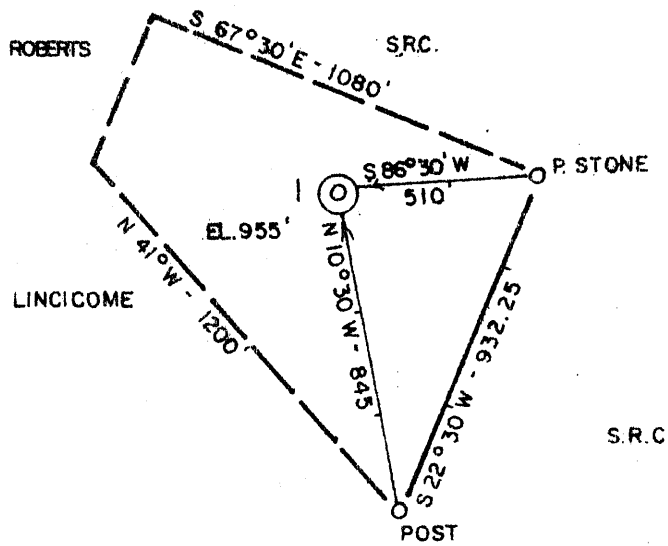


(15') Longitude
81° 22' 30"



39 14 40
81 22 30



ACCURACY: 1/200'

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

Formation BEREA Oil
 Est. Depth 2400' Gas
 Other

Source of Elevation DALLISON (692')
 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.

Chet Waterman

Company CLINT HURT & ASSOCIATES
 Address ELKVIEW, WV
 Surface Owner STATE ROAD COMMISSION
 Mineral Owner W. ROBERTS
 Well No. 1 Acres 17
 Elevation 955' ELIZABETH 15' NC
 Quadrangle KANAWHA Series 7.5'
 County WOOD District WALKER
 Date 7/29/80 Scale 1" = 500'

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

WELL LOCATION MAP
47 - 107 - 1072
 STATE COUNTY PERMIT

+ Denotes location of well on United States Topographic Maps.
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788 File No. 80-430

6-6

2400 BEREA SAND SEP 23 1980
 HENDERSHOTT-ACQUIN 72



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

Quadrangle Little Kanawha
Permit No. 47-107-1072

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

Company Clint Hurt & Associates, Inc.
Address P. O. Box 388; Elkview, W. Va.
Farm Warner Roberts Acres 17
Location (waters) Lost Run
Well No. #1 Elev. 955'
District Walker County Wood
The surface of tract is owned in fee by _____
Warner Roberts
Address Rt 1, Davisville, W. Va.
Mineral rights are owned by Same
Address _____
Drilling Commenced 10/28/80
Drilling Completed 10/30/80
Initial open flow _____ cu. ft. show bbls.
Final production 128 cu. ft per day 2 bbls.
Well open 6 hrs. before test 650 RP.

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	266	266	To Sur. frac
7			
5 1/2			
4 1/2 9.5# ERW		2473	125 sks - 412
3			
2		2460	
Liners Used			

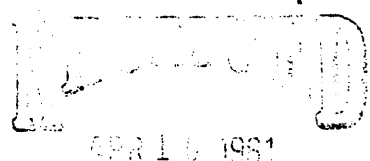
Well treatment details:

Attach copy of cementing record.

Perforated w/12holes; 40 gal W-22; 550# J-266 gelling agent; 40 gal L-53 WG Control agent; 28,000# 20/40 sand; 1 gallon inhibitor; 500 gal 15% HCL; 20 gal F-78 Eze Flo surfactant; Average treating pressure 1479#; ISIP 900#; 15 min SIP 700#; Total frac 700 bbl; Average Injection rate 26BPM.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 2364- 2368

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	278		
sand & Shale			278	1970		
shale			1970	2363		
<u>Berea</u>			2364	2368		
Shale			2368	2514		



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 8/24/80

Surface Owner Warner Roberts
Address Rt 1, Davisville, W. Va.
Mineral Owner Warner Roberts
Address Rt 1, Davisville, W. Va.
Coal Owner Same
Address _____
Coal Operator None
Address _____

Company Clint Hurt and Associates, Inc.
Address P. O. Box 388, Elkview, W. Va. 25071
Farm Warner Roberts Acres 17
Location (waters) Lost Run
Well No. 1 Elevation 955
District Walker County Wood
Quadrangle Kanawha

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 5-8-81.

[Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED K. Paul Goodnight
ADDRESS Smithville, W. Va. 26178
PHONE 477-3660

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 June 19 1976 by Warner Roberts made to North Hills Investment Co. and recorded on the 19th day of January 1970, in Wood County, Book 681 Page 255

XXX 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 David Buttram*
Well Operator
P. o. Box 388
Street
Elkview, W. Va. 25071
City or Town
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.

BLACK SAND

[Signature]

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Clin Hurt & Associates, Inc. NAME L. 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 XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Berea Sand
 TYPE OF WELL: OIL _____ GAS _____ COMB. XX 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	250	250	to surface
7			
5 1/2			
4 1/2	2400	2400	600' fill-up
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

Official Title