

CERTIFICATE

- ~~NEW LOCATION REVISED~~
- RECONDITION
- DRILL DEEPER
- ABANDONMENT - 2-6-74

"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." Minimum degree of accuracy is one part in 500

Signed *D. D. Jerry*

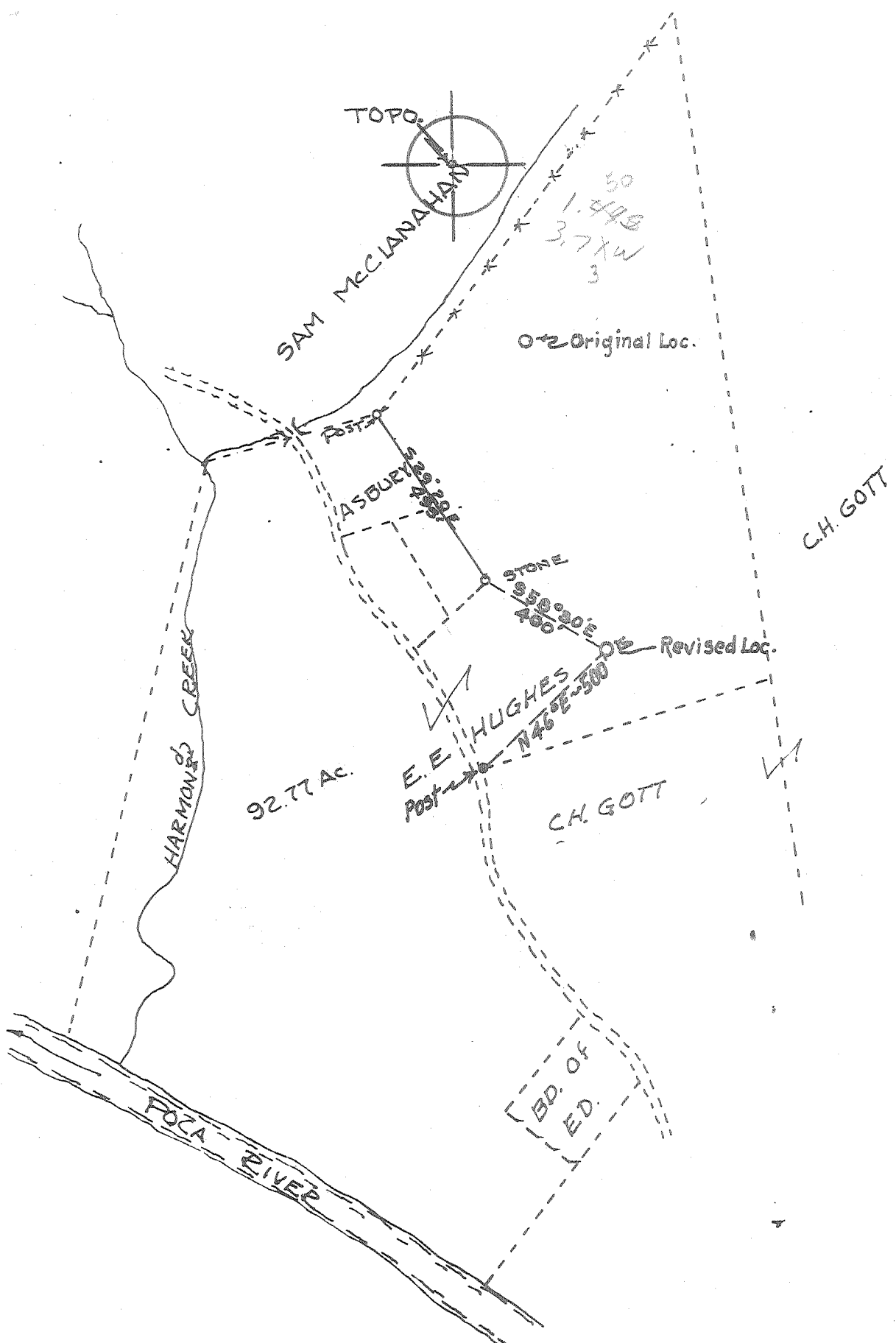
COMPANY <u>NATURAL RESOURCE MANAGEMENT, INC</u>	
ADDRESS <u>1901 KANAWHA VALLEY TIDE</u>	
FARM <u>E.E. HUGHES</u>	
MAP _____	ACRES <u>92.77</u> LEASE NO _____
WELL (FARM) NO. <u>N-8</u>	SERIAL NO _____
ELEVATION (SPIRIT LEVEL) <u>680.39</u>	
QUADRANGLE <u>CHARLESTON</u>	<u>NW</u>
COUNTY <u>PUTNAM</u>	DISTRICT <u>FOCA</u>
POINT OF PROVEN ELEVATION <u>USBM. Bridge Abt. Sec. Road 31</u>	
FILE NO _____	DRAWING NO _____
DATE <u>11/5/72</u>	SCALE <u>1" = 400'</u>

STATE OF WEST VIRGINIA	
DEPARTMENT OF MINES	
OIL AND GAS DIVISION	
CHARLESTON	
WELL LOCATION MAP	
FILE NO <u>PUT-775-Rev.-A</u>	
+ 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.	

Deep Well FEB 28 1974

LATITUDE 38° 30'

LONGITUDE 81° 40'



CERTIFICATE

- NEW LOCATION - Revised
- RECONDITION
- 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."

Minimum degree of accuracy is one part in 500

Signed *O. D. Jerry*

COMPANY	NATURAL RESOURCE MANAGEMENT, INC		
ADDRESS	1901 KANAWHA VALLEY Bldg.		
FARM	E. E. HUGHES		
MAP	ACRES	92.77	LEASE NO.
WELL (FARM) NO.	N-8	SERIAL NO.	
ELEVATION (SPIRIT LEVEL)	680.39		
QUADRANGLE	CHARLESTON - NW		
COUNTY	PUTNAM	DISTRICT	FOCA
POINT OF PROVEN ELEVATION	USBM. Bridge Abt. Sec.		
FILE NO.	6---	DRAWING NO.	
DATE	11/5/72	SCALE	1" = 400'

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

WELL LOCATION MAP

FILE NO. PUT-775-Rev.

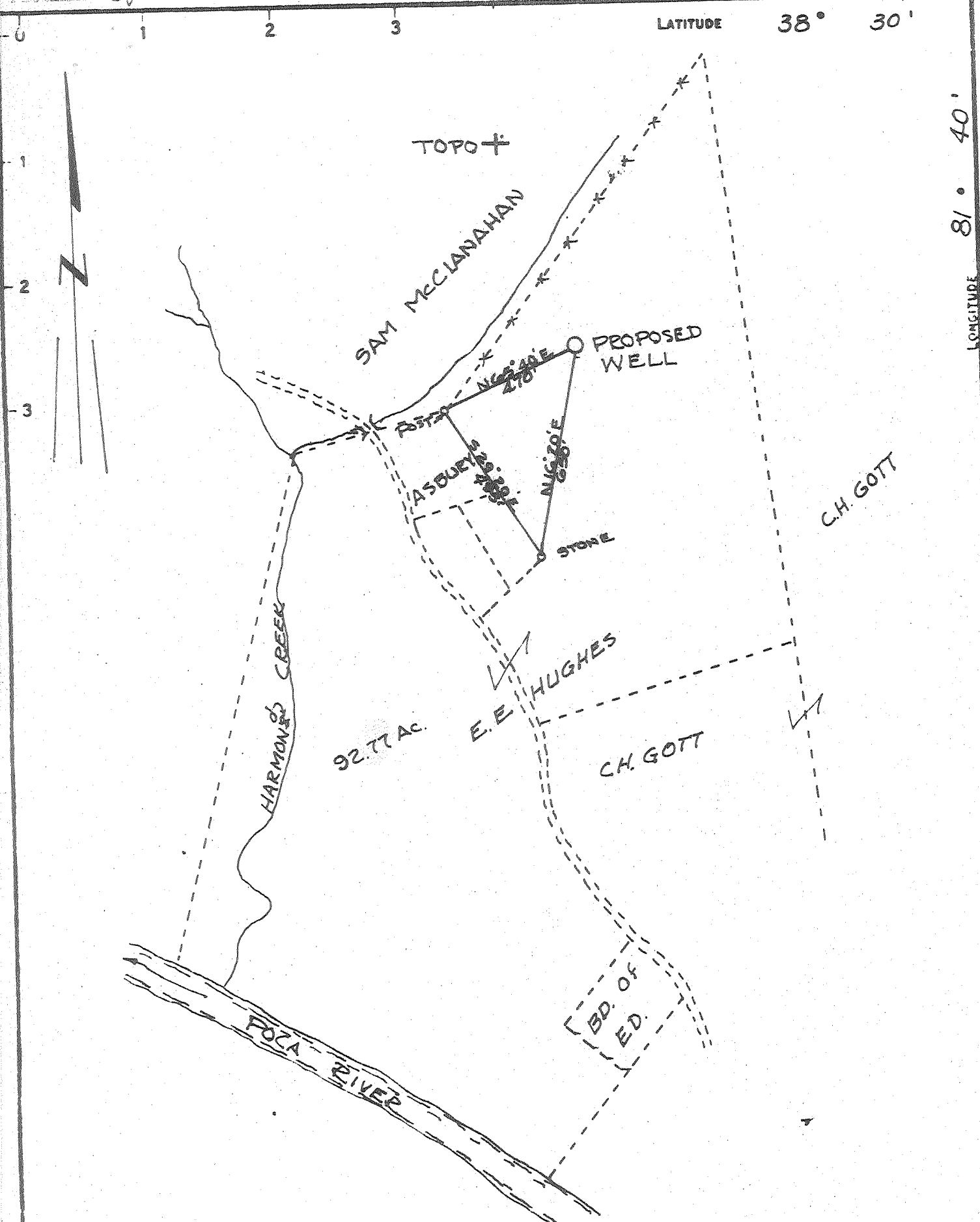
+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

6-4 Rocky Fork (312)

Deep Well (Oriskany)

DEC 18 1972



CERTIFICATE

"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 4 of the rules and regulations of the oil and gas section of the mining laws of West Virginia." Minimum degree of accuracy is one part in 500
 Signed O. D. Jerry

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY <u>NATURAL RESOURCE MANAGEMENT, INC.</u>	
ADDRESS <u>1901 KANAWHA VALLEY BLVD.</u>	
FARM <u>E.E. HUGHES</u>	
MAP _____	ACRES <u>92.77</u> LEASE NO. _____
WELL (FARM) NO. <u>N-8</u>	SERIAL NO. _____
ELEVATION (SPIRIT LEVEL) <u>680.39</u>	
QUADRANGLE <u>CHARLESTON NW</u>	
COUNTY <u>PUTNAM</u>	DISTRICT <u>POCA</u>
POINT OF PROVEN ELEVATION <u>USBM. Bridge Abt. Sec. Road 31</u>	
FILE NO. _____	DRAWING NO. _____
DATE <u>11/5/72</u>	SCALE <u>1" = 400'</u>

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. PUT-775

+ 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.



RECEIVED

JUL 18 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division
WELL RECORD

Rotary Oil _____
Cable _____ Gas NO _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Charleston
Permit No. PUT 775-Rev

Company Natural Resource Management Corp.
Address 1900 Kanawha Valley Bldg., Chas., W.V.
Farm E.E. Hughes Acres 93
Location (waters) Poca River
Well No. N-8 Elev 680.39
District Poca County Putnam
The surface of tract is owned in fee by E.E. Hughes et al
Address 108 Orchard St., Johnstown, Pa.
Mineral rights are owned by _____
Address _____
Drilling Commenced 12-27-72
Drilling Completed 1-9-73
Initial open flow 44,000 cu. ft. _____ bbls.
Final production 40,000 cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 13 3/4	162	162	100 sacks
9 5/8			
8 5/8			
7	1838	1838	100 sacks
5 1/2			
4 1/2			
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water 100 Feet _____ Salt Water _____ Feet _____
Producing Sand Shale Devonian Shale Depth 2184-TD 4600?

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	5		
Red rock & slate			5	100		
Sand			100	120	water	
Slate & Sand			120	230		
Red Rock			230	250		
Slate & Sand			250	1235		
Sand			1235	1510		
Little lime			1510	1540		
Big lime			1540	1710		
Big Injun			1710	1740		
Shale			1740	2172		
Beres			2172	2184		
Devonian Shale			2184	4600		
Coniferous Lime			4600	4690		
Oriskany			4690	4713		
Helderberg Lime			4713	4797	TD	

(over)

* Indicates Electric Log tops in the remarks section.

JUL 30 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
NOV 27 1972

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 10, 1972

Surface Owner Everett E. Hughes et al
Address 108 Orchard Street Johnstown, Pa.
Mineral Owner E.E. Hughes et al
Address Johnstown, Pa.
Coal Owner _____
Address _____
Coal Operator NA
Address _____

Company Natural Resource Management Corp.
Address 1901 Kanawha Valley Bldg. Charleston
Farm E.E. Hughes Acres 93
Location (waters) Foca River
Well No. N-8 Elevation 680.39
District Foca County Futnam
Quadrangle Charleston

Harmans Creek

INSPECTOR TO BE NOTIFIED Mr. Kenneth Butcher
R. F. D #1 PH: 736-4885
Barboursville
WVa. 25504

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 3-27-73.

J. Frank T. Fook
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 November 18 19 72 by E.E. Hughes et al made to V. Courtlandt Smith, II and recorded on the _____ day of _____ 19____ in _____ County, Book _____ Page _____

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. Hoyle Rymer
Well Operator

Address of Well Operator
1901 Kanawha Valley Bldg. Street
Charleston City or Town
West Virginia 25301 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 . . . by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing . . . of objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator . . . proceed.

Permit-775 PERMIT NUMBER

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 Gerald Jones _____ NAME Natural Resource Management Corp. _____
 ADDRESS Spencer, W. Va. _____ ADDRESS 1901 Kanawha Valley Bldg. _____
 TELEPHONE 927-2650 _____ TELEPHONE 342-2125 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 4600 _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany _____
 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	20'	20'	to surface
13 - 10			
9 - 5/8	170'	170'	50 sacks
8 - 5/8			
7	1980'	1980'	100 sacks
5 1/2			
4 1/2			
3	4600	4600	Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 60 FEET _____ SALT WATER 1200 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