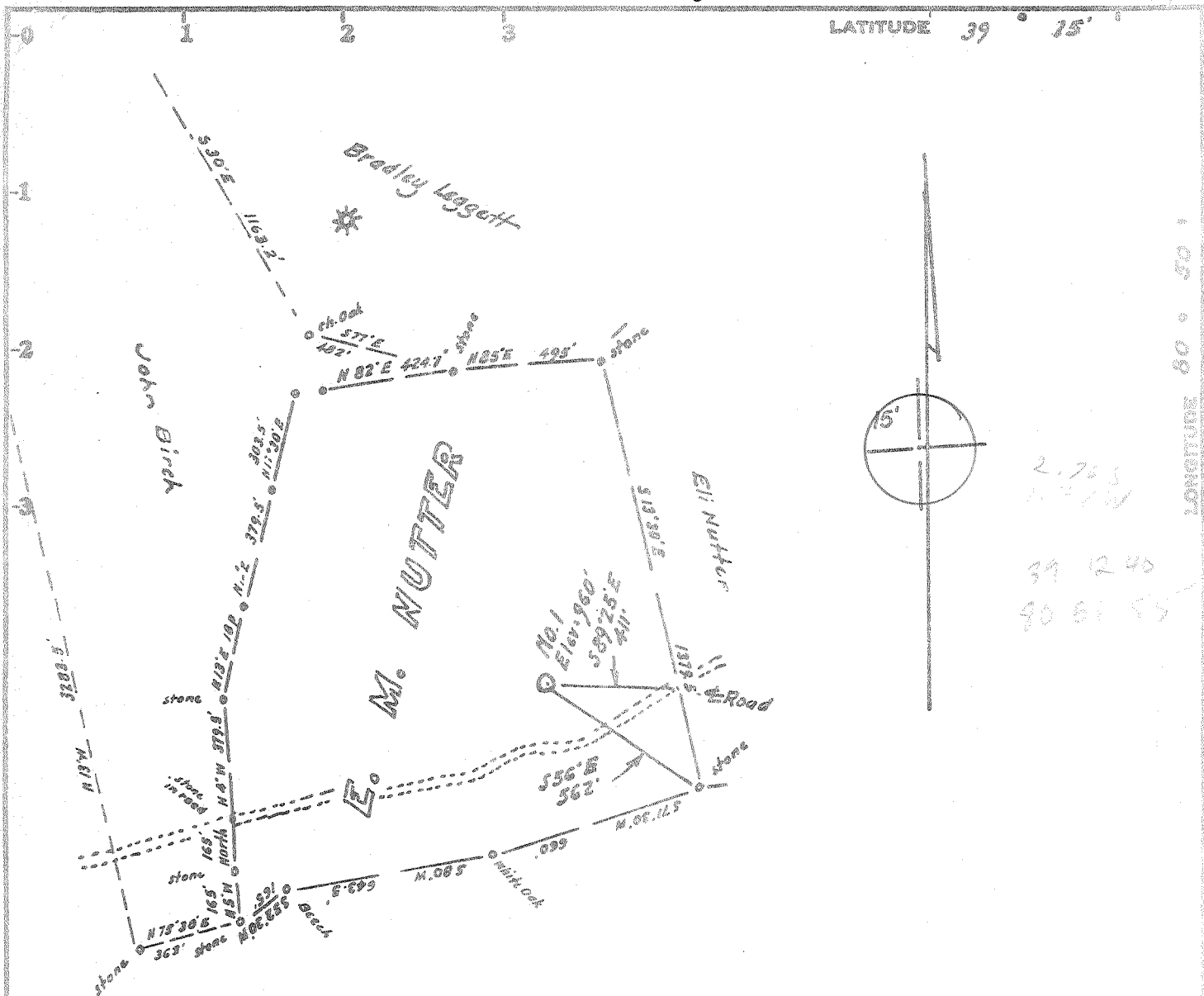


LATITUDE 39° 15'

LONGITUDE 80° 50'



Surface :- Norman Haessley  
Haessley Lumber Co.,  
Marietta, Ohio.

+ 7 1/2'

Minimum Error of Closure Lin 200'

Source of Elevation U.S.G.S. elev. on Sheep Run SW of location - 858

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.

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

Map No. \_\_\_\_\_

Signed: W. H. Haessley

Squares: N S E W

Company UNITED OPERATING CO.  
 Address 600 Commerce Sq. Charleston, W. Va.  
 Farm E. M. Nutter Norman Haessley  
 Tract \_\_\_\_\_ Acres 42.36 Lease No. \_\_\_\_\_  
 Well (Farm) No. I-556 (1) Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 960'  
 Quadrangle Oxford 7 1/2', Halbrook 15' NC  
 County Doddridge District Southwest  
 Engineer W. H. Haessley  
 Engineer's Registration No. 1227  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date Dec 8, 1977 Scale 1" = 500'

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

### WELL LOCATION MAP

FILE NO. DODD-1882

+ Denotes location of well on United States Topographic Maps, scale 1 to <sup>62,500</sup>/<sub>24,000</sub>, latitude and longitude lines being represented by border lines as shown.

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

47-017



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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Oxford 7 1/2

Permit No. DODD-1882

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

Company <u>United Operating Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>600 Commerce Sq., Charleston, WV</u>				
Farm <u>E. M. Nutter et al</u> Acres <u>42.36</u>	Size			
Location (waters) <u>Sheep Run</u>	20-16			
Well No. <u>1</u> Elev. <u>960</u>	Cond.			
District <u>Southwest</u> County <u>Doddridge</u>	13-10"			
The surface of tract is owned in fee by _____	9 5/8			
<u>Norman Haessley, Haessley Lumber</u>	8 5/8	240	240	Circulated
Address <u>Marietta, Ohio</u>	7			
Mineral rights are owned by <u>E. M. Nutter et al</u>	5 1/2			
Address <u>West Union, WV</u>	4 1/2	2210	2210	700' fillup
Drilling Commenced <u>January 11, 1978</u>	3			
Drilling Completed <u>January 25, 1978</u>	2			
Initial open flow <u>No test</u> cu. ft. _____ bbls.	Liners Used			
Final production <u>Weir 781/Injun 265MCF</u> cu. ft. per day <u>1215</u> bbls.				
Well open <u>5</u> hrs. before test _____ RP.				

Well treatment details:

Attach copy of cementing record.

900 bbls. treated water - 24,000# 80/100 Sand - 55,000# 20/40 mesh sand - treating pressure 2400 psi - Bpm

Coal was encountered at no record Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 70' Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Weir Depth 2042-2152

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-shale	Grey	Hard	0	248		
Sandstone/ Shale Stringers	Grey	Hard	248	860		
Sand	Grey	Hard	860	910		
Shale	Grey	Soft	910	1060		
Sand	Grey	Hard	1060	1128		
Shale	Grey	Soft	1128	1162		
Sand	Grey	Hard	1162	1215		
Shale/ Siltstone	Grey	Soft	1215	1410		
Sand	Grey	Hard	1410	1459		
Sand-shale	Grey	Soft	1459	1740		
Lime	Grey	Hard	1740	1828		
Big Injun SS	Grey	Hard	1828	1888	Sho Gas	
Shale	Grey	Soft	1888	2042		
Weir S.	Grey	Soft	2042	2156		
Shale	Grey	Soft	2156	2243	T.D.	

(over)

\* Indicates Electric Log tops in the remarks section.

MAR 30 1978



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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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 December 12, 1977

Surface Owner Norman Haessley

Company United Operating Company

Address Haessley Lumber Co. Marietta, O

Address 600 Commerce Sq. Charleston, W

Mineral Owner E. M. Nutter et al

Farm E. M. Nutter Acres 42.36

Address West Union, W. Va.

Location (waters) Sheep Run

Coal Owner None

Well No. 1 (T-556) Elevation 960'

Address -----

District Southwest County Doddridge

Coal Operator -----

Quadrangle Oxford 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 4-16-78.

INSPECTOR  
TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, W. Va.

PHONE 622-3871

Robert S. [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 2-2 1968 by E. M. Nutter made to Consolidated thence/United Operating Company and recorded on the ----- day of ----- 19---, in Doddridge County, Book 92 Page 95

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

Very truly yours,

(Sign Name)

[Signature]  
Well Operator  
UNITED OPERATING COMPANY  
600 Commerce Square

Address  
of  
Well Operator

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 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.

DODD-1882 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."

47-017

Signed by [Signature]

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 Warren Haught \_\_\_\_\_ NAME Lyle Coffman & J. L. Trittipo \_\_\_\_\_  
 ADDRESS Smithville, WV 26178 \_\_\_\_\_ ADDRESS Norris Rd., Glenville, WV \_\_\_\_\_  
 TELEPHONE 1-477-2222 \_\_\_\_\_ TELEPHONE 1-462-7176 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 2400' \_\_\_\_\_ ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Weir \_\_\_\_\_  
 TYPE OF WELL: OIL X GAS X COMB. X 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.
7			
5 1/2			
4 1/2	0	2400'	700' fillup
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 140' 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