



- New Location .
- Drill Deeper . . . . .
- Redrill . . . . .
- 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."

Company NEDCO INC  
 Address 1901 KANAWHA VALLEY BLDG  
 Farm LEE GRITT  
 Tract \_\_\_\_\_ Acres 272.8 Lease No. \_\_\_\_\_  
 Well (Farm) No. N-10 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 849.34  
 Quadrangle WINFIELD WC  
 County PUTNAM District BUFFALO  
 Engineer OD Terry Lts.  
 Engineer's Registration No. 325  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 12-28-72 Scale 1" = 400'

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

**WELL LOCATION MAP**  
 FILE NO. PUT-778

+ 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.

2-0 Midway - Extra (278) Deep Well (Oriskany)



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OIL & GAS DIVISION  
DEPT. OF MINES

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

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

Quadrangle Winfield

Permit No. PUT 778

|   |                      |                  |              |                               |
|---|----------------------|------------------|--------------|-------------------------------|
| Company <u>NEDCO Inc.</u>   | Casing and Tubing    | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>1901 Kanawha Valley Bldg. Chas., W. Va.</u>                      | Size                 |                  |              |                               |
| Farm <u>Lee Gritt</u> Acres <u>273</u>                                      | 20-16                |                  |              |                               |
| Location (waters) <u>Courtney Branch of 18 mi. Creek</u>                    | Cond.                |                  |              |                               |
| Well No. <u>M-10</u> Elev. <u>849.34</u>                                    | 13-10" <u>10 3/4</u> | <u>165</u>       | <u>165</u>   | <u>50 bags</u>                |
| District <u>Buffalo</u> County <u>Putnam</u>                                | 9 5/8                |                  |              |                               |
| The surface of tract is owned in fee by <u>Lee Gritt &amp; Nellie Gritt</u> | 8 5/8                |                  |              |                               |
| Address <u>Box 185, Buffalo, W. Va.</u>                                     | 7                    | <u>2557</u>      | <u>2557</u>  | <u>100 bags</u>               |
| Mineral rights are owned by _____   | 5 1/2                |                  |              |                               |
| Address _____   | 4 1/2 <u>liner</u>   | <u>1314</u>      | <u>1314</u>  |                               |
| Drilling Commenced <u>2- 1-73</u>   | 3                    |                  |              |                               |
| Drilling Completed <u>2-22-73</u>   | 2                    |                  |              |                               |
| Initial open flow <u>-0-</u> cu. ft. _____ bbls.                            | Liners Used          |                  |              |                               |
| Final production <u>20,000-M</u> cu. ft. per day _____ bbls.                |                      |                  |              |                               |
| Well open <u>48</u> hrs. before test <u>750</u> RP.                         |                      |                  |              |                               |

Well treatment details:

Attach copy of cementing record.

Shot with 12,600 lbs. of 80% hi velocity gelatin.

Coal was encountered at none Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water 30 Feet \_\_\_\_\_ Salt Water Drilled on Fluid Feet \_\_\_\_\_  
Producing Sand shale Devonian Shale Depth 3525 to TD

| Formation             | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks        |
|-----------------------|-------|--------------|----------|-------------|-------------------|------------------|
| Soil                  |       |              | 0        | 5           |                   |                  |
| Slate                 |       |              | 5        | 50          |                   | water at 30 feet |
| Red Rock              |       |              | 50       | 80          |                   |                  |
| Slate                 |       |              | 80       | 85          |                   |                  |
| Sand                  |       |              | 85       | 110         |                   |                  |
| Red Rock              |       |              | 110      | 125         |                   |                  |
| Slate                 |       |              | 125      | 180         |                   |                  |
| Red Rock              |       |              | 180      | 245         |                   |                  |
| Red Rock & Slate      |       |              | 245      | 895         |                   |                  |
| Sand                  |       |              | 895      | 1005        |                   |                  |
| Slate                 |       |              | 1005     | 1205        |                   |                  |
| Sand                  |       |              | 1205     | 1250        |                   |                  |
| Shale                 |       |              | 1295     | 1325        |                   |                  |
| Sand                  |       |              | 1325     | 1340        |                   |                  |
| Shale                 |       |              | 1340     | 1990        |                   |                  |
| Big Lime              |       |              | 1990     | 2092        |                   |                  |
| Big Injun             |       |              | 2092     | 2152        |                   |                  |
| Shale                 |       |              | 2152     | 2511        |                   |                  |
| Berea                 |       |              | 2511     | 2549        |                   |                  |
| Shale <u>Devonian</u> |       |              | 2549     | 4565        |                   | show of gas      |
| Coniferous Lime       |       |              | 4565     | 4655        |                   |                  |
| Oriskany              |       |              | 4655     | 4660        |                   |                  |
| Lime                  |       |              | 4660     | 4708        |                   |                  |

4565  
849  
-----  
3716

(over)

\* Indicates Electric Log tops in the remarks section.

4708' explor.

JUL 30 1973

State



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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DEC 29 1972

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE December 27, 1972  
Company NEDCO Inc.  
Address 1901 Kanawha Valley Bldg.  
Farm Lee Gritt Acres 272.8  
Location (waters) Courtney Branch of 18 mi. cr.  
Well No. N-10 Elevation 849.34  
District Buffalo County Putnam  
Quadrangle Winfield

Surface Owner Lee Gritt and Nellie Gritt  
Address Box 185 Buffalo, W. Va.  
Mineral Owner Lee Gritt & Nellie Gritt  
Address Box 185 Buffalo, W. Va.  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED B. Kenneth Butcher  
R. J. D. #1 PH: 736-4885  
Barboisville  
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 5-2-73.

Robert Hood  
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 August 1 1972 by Lee & Nellie Gritt made to Teavee Oil & Gas, Inc and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Putnam County, Book 57 Page 18  
 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. Wayne Rogers  
Well Operator

Address of Well Operator 1901 Kanawha Valley Bldg. Street  
Charleston City or Town  
West Virginia 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.

Permit - 778 PERMIT NUMBER

COAL DRILL

