



- 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.  
 1901 KANAWHA VALLEY BLDG.  
 Address CHARLESTON, WEST VIRGINIA  
 Farm FOREMAN - LONG  
 Tract: \_\_\_\_\_ Acres 125 Lease No. \_\_\_\_\_  
 Well (Farm) No. N-2 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 878.57  
 Quadrangle ST. ALBAUS -15' Scott DEPOT -7 1/2'  
 County Putnam District Scott  
 Engineer John GALPIN  
 Engineer's Registration No. 875  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 4-20-72 Scale 1" = 400'

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

WELL LOCATION MAP  
 FILE NO. PUT-768

+ 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.



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MAR 16 1973

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division  
WELL RECORD

7-1-23

Quadrangle St. Albans

Permit No. PUT 768

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

Company NEDCO INC.  
Address 1901 Kanawha Valley Building, Chas.  
Farm Foreman-Long Acres 125  
Location (waters) Cow Creek  
Well No. N-2 Elev. 878.57  
District Scott County Putnam  
The surface of tract is owned in fee by Leo Foreman & W. L. Long  
Address Cow Creek  
Mineral rights are owned by Foreman-Long-Harper  
Address \_\_\_\_\_  
Drilling Commenced 4-24-72  
Drilling Completed 5-4-72  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production 233 M cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 11 3/4	11	11	50 sacks
9 5/8	347'	347'	
8 5/8	2120	2120	100 sacks
7			
5 1/2			
4 1/2			
3	4581	4581	Cementing by Well Service, Inc.
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

6-2-72 Fracted w/700 Bbl water, 15,000# sand, 500 gal. 15% acid

Coal was encountered at NONE Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water 1470-1500-1545 Feet \_\_\_\_\_  
Producing Sand Oriskany Depth 4548

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Surface			0	55		
Red Rock			55	85		
Sand & Shale			85	130		
Red Rock			130	145		
Sand			145	155		
Red Rock			155	215		
Sandy Shale			215	290		
Sand			290	300		
Red Rock			300	320		
Shale			320	380		
Sandy Shale			380	405		
Red Rock			405	420		
Shale			420	530		
Sand			530	542		
Shale			542	695		
Sandy Shale			695	785		
Sand			785	840		
Sand & Shale			840	880		
Sand			880	945		
Shale			945	970		
Sand			970	1070		
Shale			1070	1100		
Sandy Shale			1100	1190		

(over)

\* Indicates Electric Log tops in the remarks section.

MAR 29 1973

Formation	Color	Hard or Soft	Top Feet 7	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			1190	1297		
Sand			1297	1475		
Sand & Shale			1475	1490		
Sand			1490	1791		
Lime			1791	1949		
Sand (Injun)			1949	2049		
Shale			2049	4446		No show @ 3254
Corniferous Lime			4446	4540		
<u>Oriskany Sand</u>			4540	4560		<u>4548-4554</u> gas
Lime			4560	4585		T. D.

4446 4540  
 879 879  
 ---  
 3567 3661

Date March 1, 19 73

APPROVED V. Buehler Smith Jr, Owner

By President  
 (Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED  
APR 20 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 April 20, 1972

Surface Owner Leo Foreman - W. L. Long  
Address Hurricane, W. Va.  
Mineral Owner Foreman - Long - Harper  
Address Hurricane - Hurricane - Charleston  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

Company Nadco, Inc.  
Address 1901 Kanawha Valley Building  
Charleston, W. Va.  
Farm Foreman - Long Acres 125  
Location (waters) Cow Creek  
Well No. N-2 Elevation 878.57  
District Scott County Putnam  
Quadrangle St. Albans-15' Scott Depot-7 1/2'

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 Aug. 20, 1972.

INSPECTOR TO BE NOTIFIED

Barboursville, W. Va. PH: 736-4885

*Kenneth Butcher*

Robert L. Fodd  
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 May 19 1964 by W. L. Long & J. L. Foreman made to Teavae Oil & Gas, Inc. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19  , in Putnam County, Book 52 Page 25  
X 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. H. [Signature]  
Well Operator

Address  
of  
Well Operator

1901 Kanawha Valley Building  
Street  
Charleston  
City or Town  
West Virginia

\*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, at 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 owners and operators and therefor by the department and that the same is approved and the well operator authorized to proceed.

[Signature] 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 Nedco, Inc. NAME Dick Allen  
 ADDRESS 1001 Kanawha Valley Building ADDRESS Charleston, West Virginia  
Charleston, West Virginia ADDRESS \_\_\_\_\_  
 TELEPHONE 342-2125 TELEPHONE 346-7641

ESTIMATED DEPTH OF COMPLETED WELL: 4580 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	10 Feet	10 Feet	3 Sacks
13 - 10			
9 - 5/8	1050 Feet	1050 Feet	
8 - 5/8	2250 Feet	2250 Feet	19 Sacks
7			
5 1/2			
4 1/2			
3 ID	4580 Feet	4580 Feet	Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 FEET SALT WATER 1130 FEET 1620  
 APPROXIMATE COAL DEPTHS None anticipated  
 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