



- New Location .
- Drill Deeper . . . .
- Redrill . . . . .
- Abandonment . . . .

SOURCE OF ELEVATION: FROM CROSSROADS  
 LOCATED ON COW CREEK ROAD (40 1/4) WITH  
 ELEVATION OF 713 FEET ABOVE SEA LEVEL.

MINIMUM ERROR OF CLOSURE 1 IN 200  
 "I, the undersigned, hereby certify that this map is correct to the best of my knowl-  
 edge 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."

Compan.	NATURAL RESOURCE MGT.	
Address	1901 KANAWHA VALLEY Bldg. CHARLESTON, WEST VIRGINIA	
Farm	HUBERT WYANT	
Tract	Acres 78.8	Lease No.
Well (Farm) No.	N-5	Serial No.
Elevation (Spirit Level)	892.01	
Quadrangle	ST. ALBANS-15 <sup>N</sup> SCOTT DEPOT-7 1/2'	
County	PUTNAM	District TEAYS VALLEY
Engineer	JOHN GALPIN	
Engineer's Registration No.	875	
File No.	Drawing No.	
Date	Scale 1" = 400'	

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

WELL LOCATION MAP  
 FILE NO. Put-771

+ 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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STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle St. Albans

Permit No. PUT 771

Company <u>Natural Resource Management Corp.</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>1901 Kanawha Valley Building, Chas.</u>	Size			
Farm <u>Hubert Wyant</u> Acres <u>78.8</u>	20-16			
Location (waters) <u>Cow Creek</u>	Cond. <u>16"</u>	<u>9'</u>	<u>9'</u>	<u>5 bags</u>
Well No. <u>N-5</u> Elev. <u>892.01</u>	<u>13-10" 11 3/4</u>	<u>387'</u>	<u>387'</u>	<u>55 bags</u>
District <u>Teays Valley</u> County <u>Putnam</u>	<u>9 5/8</u>			
The surface of tract is owned in fee by <u>Hubert Wyant</u>	<u>8 5/8</u>			
Address _____	<u>7</u>	<u>2097</u>	<u>2097</u>	<u>100 cu. ft.</u>
Mineral rights are owned by _____	<u>5 1/2</u>			<u>Cementing by</u>
Address _____	<u>4 1/2</u>			<u>Well Service Inc.</u>
Drilling Commenced <u>6/28/72</u>	<u>3</u>		<u>4492'</u>	<u>on packer</u>
Drilling Completed <u>10/10/72</u>	<u>2</u>			
Initial open flow _____ cu. ft. _____ bbls.	Liners Used			
Final production <u>220,000</u> cu. ft. per day _____ bbls.				
Well open _____ hrs. before test _____ RP.				
Well treatment details:				

Attach copy of cementing record.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water 70 Feet \_\_\_\_\_ Salt Water 1420 Feet \_\_\_\_\_  
Producing Sand Oriskany Depth 4538-4544

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fire from gas in salt sand at 1444' destroyed well records 7/5/72						All data based on K B of 12 ft.
Salt Sand			1444	1500		
Sand & Shale			1500	1560		
Sand			1560	1740		
Lime			1740	1845		
Slate			1845	1925		
Injun Sand			1925	1990		
Sand & Shale			1990	2120		
Sand			2120	2224		
Shale			2224	2415		
Berea			2415	2442		
Slate			2442	2600		
Shale			2600	4448		
Lime			4448	4464		
Sandy Lime			4464	4466		
Lime			4466	4536		
<u>Oriskany</u>			4536	4544		
Lime			4544	4604		

4448 4536  
892 892  
3556 3644

(over)

\* Indicates Electric Log tops in the remarks section.

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DEPARTMENT OF MINES

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OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Hubert Wyant  
Address Teays Valley - Hurricane, W. Va.  
Mineral Owner Same  
Address \_\_\_\_\_  
Coal Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Coal Operator \_\_\_\_\_  
Address \_\_\_\_\_

DATE June 9, 1972  
Company Natural Resource Mgt.  
1901 Kanawha Valley Bldg.  
Address Charleston, W. Va.  
Farm Wyant Acres 78.8  
Location (waters) Br. Mill Creek  
Well No. N-5 Elevation 892.01  
District Teays Valley County Putnam  
Quadrangle St. Albans - 15' Scott Depot - 7 1/2'

INSPECTOR TO BE NOTIFIED Butcher  
R.F.D. #1 PH: 736-4885  
Bourbonville  
W. Va. 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 Oct. 14, 1972.

[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 Aug. 24 1966 by Hubert Wyant made to Teavee Oil & Gas, Inc. and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19   in Putnam County, Book 52 Page 527  
 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. Hayes Rorer  
Well Operator

Address of Well Operator  
1901 Kanawha Valley Building 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 - 777 PERMIT NUMBER [Signature]

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 1901 Kanawha Valley Bldg. Charleston, W. Va. ADDRESS Charleston, W. Va.  
 TELEPHONE 342-2125 TELEPHONE 346-7641  
 ESTIMATED DEPTH OF COMPLETED WELL: 4700 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.
<del>20-1/4</del> 16 1/2	10 Feet	10 Feet	3 Sacks
13 - 10			
<del>9-7/8</del> 11 3/4	1050 Feet	1050 Feet	<i>Cemented to surface</i>
8 - 5/8	2250 Feet	2250 Feet	19 Sacks
7			
5 1/2			
4 1/2			
3 ID	4700 Feet	4700 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  
 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