

- New Location
- Drill Deeper
- Drill  TV 81
- 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 TEAVEE OIL AND GAS, INC.  
 Address 1901 KANAWHA VALLEY BLDG, CHAS, W.V.  
 Farm W W WICK  
 Tract \_\_\_\_\_ Acres 125 Lease No. \_\_\_\_\_  
 Well (Farm) No. TV 92 92 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 917.1 SOURCE: PUT 719  
 Quadrangle ST. ALBANS 15' NW  
 County PUTNAM District SCOTT  
 Engineer JOHN GALPIN  
 Engineer's Registration No. 875  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 8-19-76 Scale 1"=1000'

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

WELL LOCATION MAP

FILE NO. PUT-837

REISSUED AS: PUT-846

+ 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.

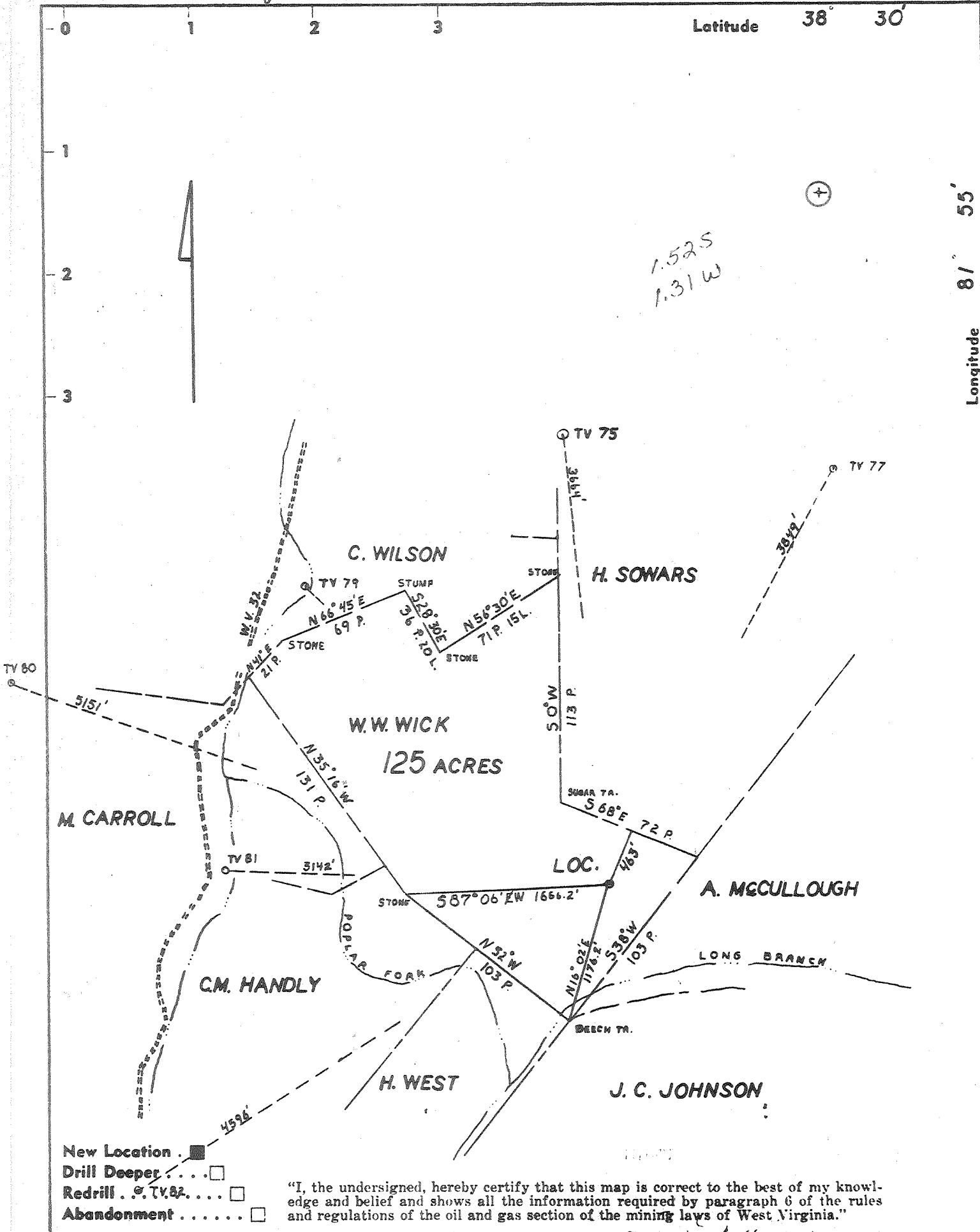
- Denotes one inch spaces on border line of original tracing.

47-079

OCT 5 1977

Latitude 38° 30'

Longitude 81° 55'



- New Location .
- Drill Deeper . . . .
- Redrill . . . TV, &c. . . .
- 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 TEAVEE OIL AND GAS, INC.  
 Address 1901 KANAWHA VALLEY BLDG, CHAS, W.V.  
 Farm W W WICK  
 Tract \_\_\_\_\_ Acres 125 Lease No. \_\_\_\_\_  
 Well (Farm) No. TV 82 Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) 917.1 SOURCE: PUT 719  
 Quadrangle ST. ALBANS 15' NN  
 County PUTNAM District SCOTT  
 Engineer JOHN GALPIN  
 Engineer's Registration No. 875  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 8-19-76 Scale 1"=1000'

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

**WELL LOCATION MAP**  
 FILE NO. PUT-837  
*REISSUED AS PUT-846 DEEP WELL*

+ 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. **47-079**

IV-35  
(Rev 8-8)

**RECEIVED**  
JUL 10 1985



OIL & GAS DIVISION  
**DEPT. OF MINES**

State of West Virginia  
Department of Mines  
Oil and Gas Division

Date 7/1/85  
Operator's  
Well No. TV - 92  
Farm W. W. Wick  
API No. 47 - 079 - 846

WELL OPERATOR'S REPORT  
OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil - / Gas X / Liquid Injection - / Waste Disposal - /  
(If "Gas," Production - / Underground Storage - / Deep X / Shallow - /)

LOCATION: Elevation: 917.1 Watershed Poplar Fork  
District: Scott County Putnam Quadrangle St. Albans 15'  
Scott Depot 7.5'

COMPANY Teavee Oil & Gas, Inc.  
ADDRESS 1901 Kanawha Valley Bldg.  
Charleston, WV  
DESIGNATED AGENT D. K. Bowers  
ADDRESS Same as above  
SURFACE OWNER W. W. Wick  
ADDRESS Winfield, WV  
MINERAL RIGHTS OWNER W. W. Wick  
ADDRESS Winfield, WV  
OIL AND GAS INSPECTOR FOR THIS WORK  
C. Hively ADDRESS Elkview, WV  
PERMIT ISSUED August 30, 1977  
DRILLING COMMENCED Nov. 2, 1977  
DRILLING COMPLETED Nov. 8, 1977

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	140	140	65
9 5/8			
8 5/8			
7	2100	2100	Packer
5 1/2			
4 1/2			
3			
2		4622	bottom hole packer
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON \_\_\_\_\_

GEOLOGICAL TARGET FORMATION Oriskany sand Depth 4582 feet  
Depth of completed well 4622 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 150 feet; Salt 876 feet  
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Oriskany sand Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow 78 Mcf/d Oil: Initial open flow N/A Bbl/d  
Final open flow 78 Mcf/d Final open flow N/A Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure 700 psig (surface measurement) after 10 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation N/A Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d Oil: Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ hours  
Static rock pressure \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Well producing on natural open flow

Cage perforation @ 4590 - 4600

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Red rock & shale			0	300	Fresh water 150'
Sand			300	315	
Shale			315	330	
Sand			330	400	
Shale			400	580	
Slate			580	595	
Sand			595	615	
Slate & shells			615	645	
Sand			645	690	
Slate			690	805	
Sand			805	1311	Salt water 876'
Slate			1311	1335	
Salt sand			1335	1750	
Sand			1750	1755	
Little lime			1755	1775	
Big Lime			1775	1945	
Big injun			1995	2151	
Sand & slate			2151	2398	
*Coffee shale			2398	2418	
*Berea sand			2418	2445	
Shale			2445	3605	
*Brown shale			3605	3978	
White slate			3978	4316	
*Marcellus			4316	4501	
*Corniferous lime			4501	4582	
*Oriskany sand			4582	4593	Gas
Lime			4593	4666	Total depth

✓ \*Indicates electric log depths

(Attach separate sheets as necessary)

Teavee Oil & Gas, Inc.  
 Well Operator  
 By: D. R. Bowers Geologist  
 Date: 7/1/85

Note: Regulation 2.02(i) provides as follows:  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

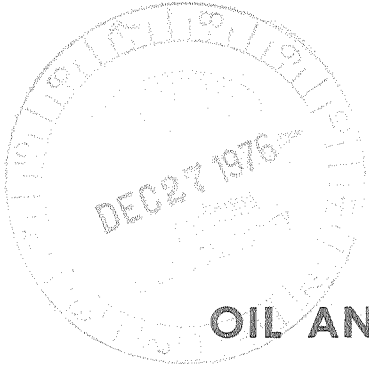


STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

DEC 7 1976

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 September 1, 1976

Surface Owner W. V. Wick

Company Teavee Oil and Gas, Inc.

Address Winfield, W. Va.

Address 1901 Kanawha Valley Bldg. Chap.

Mineral Owner W. V. Wick

Farm W. V. Wick Acres 185

Address Winfield, W. Va.

Location (waters) Poplar Rock

Coal Owner W. V. Wick

Well No. 27-38 Elevation 517.1

Address Winfield, W. Va.

District Scott County Putnam

Coal Operator None

Quadrangle St. Albans 15\*

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 4-23-77.

[Signature]  
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Martin Nichols  
PH: 548-6993 ADDRESS Clendenin W.Va.

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 25 1976 by W. V. Wick and Frances Wick made to Teavee Oil and Gas, Inc. and recorded on the 30th day of June 1976 in Putnam County, Book 58 Page 219

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) For Teavee Oil and Gas, Inc.

SUBMIT COPIES OF ALL  
PHYSICAL LOGS DIRECTLY TO:  
West Virginia Geological and Economic Survey  
P.O. Box 879  
Martinsburg, W. Va. 26505

Address  
of  
Well Operator

Well Operator  
1901 Kanawha Valley Building  
Street  
Charleston  
City or Town  
West Virginia 25302  
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.

PUT-837 PERMIT NUMBER

47-079

BLANKET BOARD

THIS IS AN ESTIMATE ONLY  
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO K DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Not known \_\_\_\_\_ NAME William V. Schaefer \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ ADDRESS Winfield, W. Va. \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_ TELEPHONE 755-5802 \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 4574 \_\_\_\_\_ ROTARY X \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany \_\_\_\_\_  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X \_\_\_\_\_ 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			
13 - 10 <u>10 3/4</u>	<u>120'</u>	<u>120'</u>	<u>To Surface</u>
9 - 5/8			
8 - 5/8			
7	<u>2070'</u>	<u>2070'</u>	<u>Blocker</u>
5 1/2			
4 1/2			
3		<u>4614'</u>	Perf. Top <u>25 sacks</u>
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 50' 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



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

AUG 30 1977

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 August 25, 1977

Surface Owner W.W. Wick

Company Teavce Oil and Gas Inc.

Address Winfield, W.Va.

Address 1901 Kanawha Valley Bldg. Chap.

Mineral Owner W. W. Wick

Farm W. W. Wick Acres 125

Address Winfield, W.Va.

Location (waters) Poplar Fork

Coal Owner W. W. Wick

Well No. TV-92 Elevation 917.1

Address Winfield W.Va.

District Scott County Putnam

Coal Operator None

Quadrangle St. Albans 15'

Address None

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 12-31-77.

INSPECTOR TO BE NOTIFIED Martin Nichols

ADDRESS P.O. Box 554, Clendenin, W.Va.

PHONE 548-6993

Robert K. Reed  
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 25 19 76 by W.W. Wick and Frances Wick made to Teavce Oil and Gas Inc. and recorded on the 30th day of June 19 76, in Putnam County, Book 38 Page 619

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, J. Gray Carbett  
(Sign Name) For Teavce Oil and Gas Inc.  
Well Operator

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

Address of Well Operator

1901 Kanawha Valley Building  
Street  
Charleston  
City or Town  
West Virginia 25302  
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.  
(Formerly: PUT-837)

BLANKET BOND

"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."

Signed by J. Gray Carbett

PUT-846 PERMIT NUMBER  
47-079

**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 PWA Drilling Inc. NAME J. Craig Corbett  
 ADDRESS Bilview ADDRESS Winfield W. Va.  
 TELEPHONE 969-3379 TELEPHONE 759- 5202  
 ESTIMATED DEPTH OF COMPLETED WELL: 4674 ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS X 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			
13 - 10 <u>10 3/4</u>	<u>120'</u>	<u>120'</u>	<u>To Surface</u>
9 - 5/8			
8 - 5/8			
7	<u>2070'</u>	<u>2070'</u>	<u>Packer</u>
5 1/2			
4 1/2			
3		<u>4614'</u>	Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80' 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.
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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