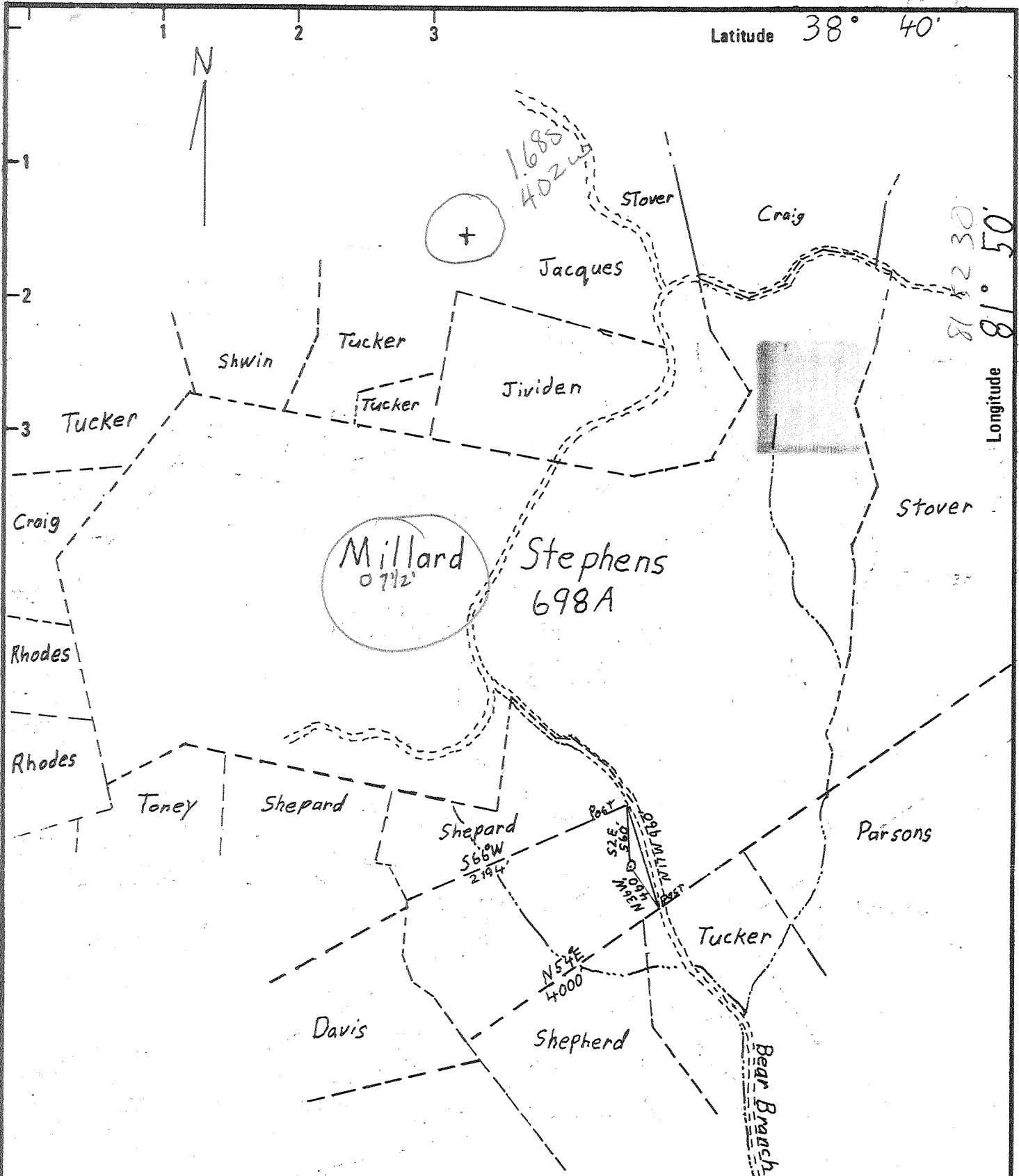
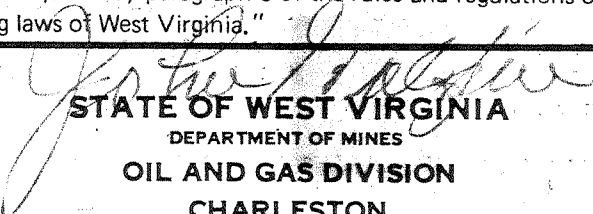


9/20/77



New Location <input checked="" type="checkbox"/> Drill Deeper <input type="checkbox"/> Abandonment <input type="checkbox"/>	Minimum Error of Closure <u>1 in 200P</u> Source of Elevation <u>Bench Mark on Manila Ridge 910'</u> "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 <u>Teavee Oil and Gas, Inc.</u>	869
Address <u>Charleston, W. Va.</u>	
Farm <u>Millard Stephens, Clayton Herdman</u>	
Tract _____ Acres <u>698</u> Lease No. _____	
Well (Farm) No. <u>TV-95</u> Serial No. _____	
Elevation (Spirit Level) <u>686'</u>	Robertsburg
Quadrangle <u>Winfield (15')</u> <u>139 C</u>	
County <u>Putnam</u> District <u>Buffalo 1</u>	
Engineer <u>John Galpin</u>	
Engineer's Registration No. <u>875</u>	
File No. _____ Drawing No. _____	
Date <u>Sept. 12, 1977</u> Scale <u>1" = 1200'</u>	

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

**WELL LOCATION MAP**  
 FILE NO. PUT-849  
No Well Round

+ 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

RECEIVED

IV-35  
(Rev 8-81)

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 - 95  
Farm Millard Stephens  
API No. 47 - 079 - 849

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: 686 Watershed Bear Branch  
District: Buffalo County Putnam Quadrangle Winfield 15'  
Robertsburg 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 Clayton Herdman  
ADDRESS Manilla Ridge, Buffalo WV  
MINERAL RIGHTS OWNER Millard Stephens  
ADDRESS Buffalo, WV  
OIL AND GAS INSPECTOR FOR THIS WORK Carlos  
Hiveley ADDRESS Elkview, WV  
PERMIT ISSUED 9/21/77  
DRILLING COMMENCED 10/12/77  
DRILLING COMPLETED 10/25/77

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	140	140	70
9 5/8			
8 5/8			
7	2282	2282	Packer
5 1/2			
4 1/2			
3		4542	210
2			
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 4501 feet  
Depth of completed well 4571 feet Rotary x / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 70 feet; Salt 885 feet  
Coal seam depths: N/A Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth 4503 feet  
Gas: Initial open flow SHOW Mcf/d Oil: Initial open flow N/A Bbl/d  
Final open flow 98 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 24 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

(Continue on reverse side)

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

Perforated intervals 4502-4507 - 20 holes *Oriskany*

Well completed with 500 gallons HCl 15% 80/100 sand 10,000 lbs. 24/40 sand 15,000 lbs.

Water frac. 500 BBLs H<sub>2</sub>O

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand			0	80	Fresh water @ 70
Red rock			80	165	
Sand			165	200	
Red rock and shale			200	550	
Slate and shells			550	740	
Sand			740	835	
Slate			835	980	Salt water @ 885
Sand			980	1157	
Slate			1157	1187	
Sand			1187	1232	
Slate			1232	1330	
*Salt sand			1330	1589	
Slate & shells			1589	1610	
*Little lime			1610	1632	
Sand			1632	1644	
*Pencil cave			1644	1645	
*Big lime			1645	1836	
Slate and shells			1836	1862	
*Injun sand <i>pe</i>			1862	1906	
Sand			1906	1936	
Slate and shells			1936	2291	
*Coffee shale			2291	2330	
*Berea			2330	2357	
Gray shale <i>Upper New sandstone</i>			2357	3494	
*Brown shale <i>Lower Devon</i>			3494	3894	
White slate <i>Lower / Middle</i>			3894	4250	
*Marcellus <i>RW shale</i>			4250	4414	
*Corniferous lime			4414	4500	
*Oriskany sand			4500	4509	Gas 4501-4504
Lime			4509	4571	Total Depth

\*Indicates electric log depths

(Attach separate sheets as necessary)

Teavee Oil & Gas, Inc.

Well Operator

By:

*D.R. Bowen*

Geologist

Date:

July 1, 1985 ✓

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

Oil and Gas Division

RECEIVED

SEP 20 1977

OIL & GAS DIVISION  
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE Sept. 16, 1977

Surface Owner Clayton Herdman  
Address Manila Ridge  
Mineral Owner Millard Stephens  
Address Buffalo  
Coal Owner none  
Address \_\_\_\_\_  
Coal Operator none  
Address \_\_\_\_\_

Company Teavee Oil and Gas Inc.  
Address 1901 Kanawha Valley Bldg.  
Farm Millard Stephens Acres 698  
Location (waters) Bear Branch  
Well No. TV- 95 Elevation 686  
District Buffalo County Putnam  
Quadrangle Winfield

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 1-23-78.

INSPECTOR

TO BE NOTIFIED Martin Nichols

ADDRESS Clendenin, W. Va.

PHONE 548-6993

[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 June 23 1972 by Jennie Stephens made to Teavee Oil and Gas Inc and recorded on the 11 day of Aug. 1972, in Putnam County, Book 56 Page 669

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:

Very truly yours,

[Signature]  
(Sign Name) for Teavee Oil and Gas Inc.  
Well Operator

W. VA. OIL & GAS CONSERVATION COMMISSION  
1613 WASHINGTON STREET, EAST  
CHARLESTON, WEST VIRGINIA 25311

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.

BLANKET BOND

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 42-b and will carry out the specified requirements."

Signed by

[Signature]

PIIT-849

PERMIT NUMBER

47-079

[Handwritten mark]

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) FWA Drilling Inc. RESPONSIBLE AGENT: J. Craig Corbett  
 ADDRESS Elkview ADDRESS Winfield  
 TELEPHONE 965-3379 TELEPHONE 755-5202  
 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			
13 - 10 10 3/4	140'	140'	To Surface
9 - 5/8			
8 - 5/8			
7	1975'	1975'	Bottom hole packer
5 1/2			
4 1/2			
3		4540'	Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 80 FEET SALT WATER FEET  
 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