



Minimum Error of Closure 1' in 200

Source of Elevation Andrew Hurst #2; Elev. 1138.40

Surf: Mrs. Barckett C.

West Union, West Va. Schulte Fracture

New Location

Drill Deeper

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.

Signed: A.C. Hilbert  
 Map No. \_\_\_\_\_ Squares: N S 23 E W 8-9

Company	PENNZOIL UNITED, INC.		
Address	P. O. Box 1588, Parkersburg, W. Va.		
Farm	F. A. Schulte		
Tract	Acres	Lease No.	57514
Well (Farm) No.	1	Serial No.	
Elevation (Spirit Level)	983.72 Gr.		
Quadrangle	Holbrook	EC	
County	Doddridge	District	Cove
Engineer	A.C. Hilbert		
Engineer's Registration No.	2534		
File No.	1530	Drawing No.	
Date	Aug. 6, 1971		
	Scale	1" = 800'	

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

**WELL LOCATION MAP**

FILE NO. Wad-46-Deac.  
 2416

+ 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.

CAL

OWWO 606 Conings (142)

# PENNZOIL COMPANY

601 GRAND CENTRAL AVENUE • VIENNA, W VA 26105 • PHONE (304) 422-6565  
Mailing Address P.O. Drawer 1589, Parkersburg, West Virginia 26101

RECEIVED

JAN 23 1978

OIL & GAS DIVISION  
DEPT. OF MINES

Mr. Robert L. Dodd, Deputy Director  
Oil and Gas Division  
Department of Mines  
1204 Kanawha Boulevard, East  
Charleston, West Virginia 25301

Dear Mr. Dodd:

## FRACTURE RECORD

Well Name and No: F. A. Schulte #1

District: Cove

County: Doddridge

Permit No: Dod-46-F

Completion Date: 9-9-71

Formation fractured: Top 2628  
Gordon Bottom 2633

Material - Sand: 30,000# 20/40 sd.  
Fluid: 730 BW

Rock Pressure:  
Before fracture -  
After fracture -

Test After Fracture:  
Oil - 0  
Gas 70 MCF/D

Very truly yours,

PENNZOIL COMPANY

By Curtis A. Lucas  
Curtis A. Lucas  
Engineering Dept.

FEB 3 1978

SEP 20 1971

**PENNZOIL UNITED, Inc.**

601 GRAND CENTRAL AVE. • VIENNA, W. VA. 26101 • PHONE 304 422-6565

Mailing Address: P. O. Drawer 1588, Parkersburg, West Virginia 26101

G. NOLL

September 17, 1971

Mr. Robert L. Dodd, Deputy Director  
Oil and Gas Division  
Department of Mines  
2000 Quarrier Street  
Charleston, West Virginia 25305

Dear Mr. Dodd:

FRACTURE RECORD

Well Name and No: F. A. Schulte No. 1

District: Cove County: Doddridge

Permit No: DODD-46 FRAC HB 6-45 <sup>37-15</sup> Completion Date: 9-11-71

Formation fractured: Top - 2628' Material - Sand: 30,000#  
Gordon Bottom - 2633' Fluid: 730 bbls.

Rock Pressure: Test After Fracture:  
Before fracture - No Test Oil - 0  
After fracture - Gas - 70 MCFPD  
70,000

Very truly yours,

PENNZOIL UNITED, INC.

By Fritz Gesch, Jr.  
Fritz Gesch, Jr.  
District Superintendent

SEP 28 1971



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JAN 14 1972

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

- Rotary
- Spudder
- Cable Tools
- Storage

Oil or Gas Well Gas  
(KIND)

Quadrangle HOLBROOK N.E.  
Permit No. DOD ~~48-Frac.~~ 2418

WELL RECORD

Company Carnegie Natural Gas Company  
Address 390 1/2 Main Street, Munhall, Pa. 15120  
Farm Leeman Maxwell Acres 216 1/4  
Location (waters) Bluestone Creek  
Well No. 17-564 Elev. 1074'  
District Southwest County Doddridge  
The surface of tract is owned in fee by \_\_\_\_\_  
Address \_\_\_\_\_  
Mineral rights are owned by \_\_\_\_\_  
Address \_\_\_\_\_

Clean out \_\_\_\_\_  
Drilling commenced 8/3/71  
Clean out after Frac. 10-15-71  
Drilling completed \_\_\_\_\_  
Date Shot \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_

Open Flow \_\_\_\_\_ /10ths Water in \_\_\_\_\_ Inch  
\_\_\_\_\_ /10ths Merc. in \_\_\_\_\_ Inch  
Volume \_\_\_\_\_ Cu. Ft.  
Rock Pressure \_\_\_\_\_ lbs. \_\_\_\_\_ hrs.  
Oil \_\_\_\_\_ bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS) \_\_\_\_\_  
WELL FRACTURED (DETAILS) 10-5-71 by Dowell 30,000# Sand, 1000 gal. Acid, 552 bbls. of water.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 246,000 cu. ft.  
ROCK PRESSURE AFTER TREATMENT 60 HOURS 16  
Fresh Water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Big Injun Depth 1704-1791

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			Depth set
8 1/4		1650	
6 5/8			
5 3/16		1840	
4 1/2			Perf. top <u>1754</u> <sup>B:2</sup>
3			Perf. bottom <u>1782</u>
2			Perf. top _____
Liners Used			Perf. bottom _____

Attach copy of cementing record.  
CASING CEMENTED 4 1/2 SIZE 350 No. Ft. 9-22-71 Date  
Amount of cement used (bags) 45  
Name of Service Co. Garaton Service, Inc.  
COAL WAS ENCOUNTERED AT None FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES  
\_\_\_\_\_ FEET \_\_\_\_\_ INCHES FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>Big Injun</u>			<u>1704</u>	<u>1791</u>			
<u>Total Depth</u>				<u>2422</u>			
<u>P.B.T.D.</u>				<u>1840</u>			

(over)

JAN 24 1972