

Minimum Error of Closure 1' in 200'
 Source of Elevation H. B. Williams Well #5 - Abd.
 Elev. 953.54 gr.

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 G of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

- Fracture
- New Location
- Drill Deeper
- Abandonment

Signed: A.C. Hillbert
 Map No. N16 Squares: N S 14 E W14

Company PENNZOIL UNITED, INC.
 Address P. O. Box 1588, Parkersburg, W.Va.
 Farm H. B. Williams
 Tract Acres 307 Lease No. 80748
 Well (Farm) No. 4 Serial No. _____
 Elevation (Spirit Level) 1022.03 ground
 Quadrangle Holbrook NC
 County Doddridge District Central
 Engineer A.C. Hillbert
 Engineer's Registration No. 2534
 File No. 914 Drawing No. _____
 Date Nov. 25, 1968 Scale 1" = 800'

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

WELL LOCATION MAP
2401
 FILE NO. DOD-29-FRAC.

+ 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.



601 GRAND CENTRAL AVE. • VIENNA, W. VA. 26101 • PHONE 304 422-6565
Mailing Address: P. O. Drawer 1588, Parkersburg, West Virginia 26101

May 21, 1969

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

Dear Sir:

FRACTURE RECORD

Well Name and No: Williams, H. B. No. 4

District: Central

County: Doddridge

Permit No: DOD-29 Frac.

Completion Date: 5-16-69

Formation fractured: Top - 2125'
Bottom - 2144'

Material - Sand: 34,500#
Fluid: 710 bbls.

Big Injun

Rock Pressure:

Before fracture - Not Taken
After fracture - 130#

Test after Fracture:

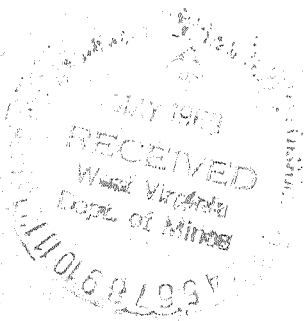
Oil - 22 Bbls/Week *3 BOPD*
Gas - 14 MCF/Day
19,000

Very truly yours,

PENNZOIL UNITED, INC.

By *Dennis Wise*
Dennis Wise
District Production Manager

Copy to: A. C. Hilbert



OWWO - no new footage drld.

JUN 15 1969