

Minimum Error of Closure 1' in 200'

Source of Elevation Thurman Spurgeon No. 7, Elev. 1151.72

Stimulate Fracture
 New Location Revised
 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 G of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: A. C. Hillert
 Map No. 6 Squares: N S22 E W10

Company PENNZOIL UNITED, INC.
 Address P. O. BOX 1588, PARKERSBURG, W. VA.
 Farm JOSHUA ADAMS
 Tract Acres 85 Lease No. 59342
 Well (Farm) No. 1 Serial No.
 Elevation (Spirit Level) 1034.97
 Quadrangle Holbrook EC
 County Doddridge District Cove
 Engineer A. C. Hillert
 Engineer's Registration No. 2534
 File No. 1466 Drawing No.
 Date Jan. 16, 1969 Scale 1" = 800'

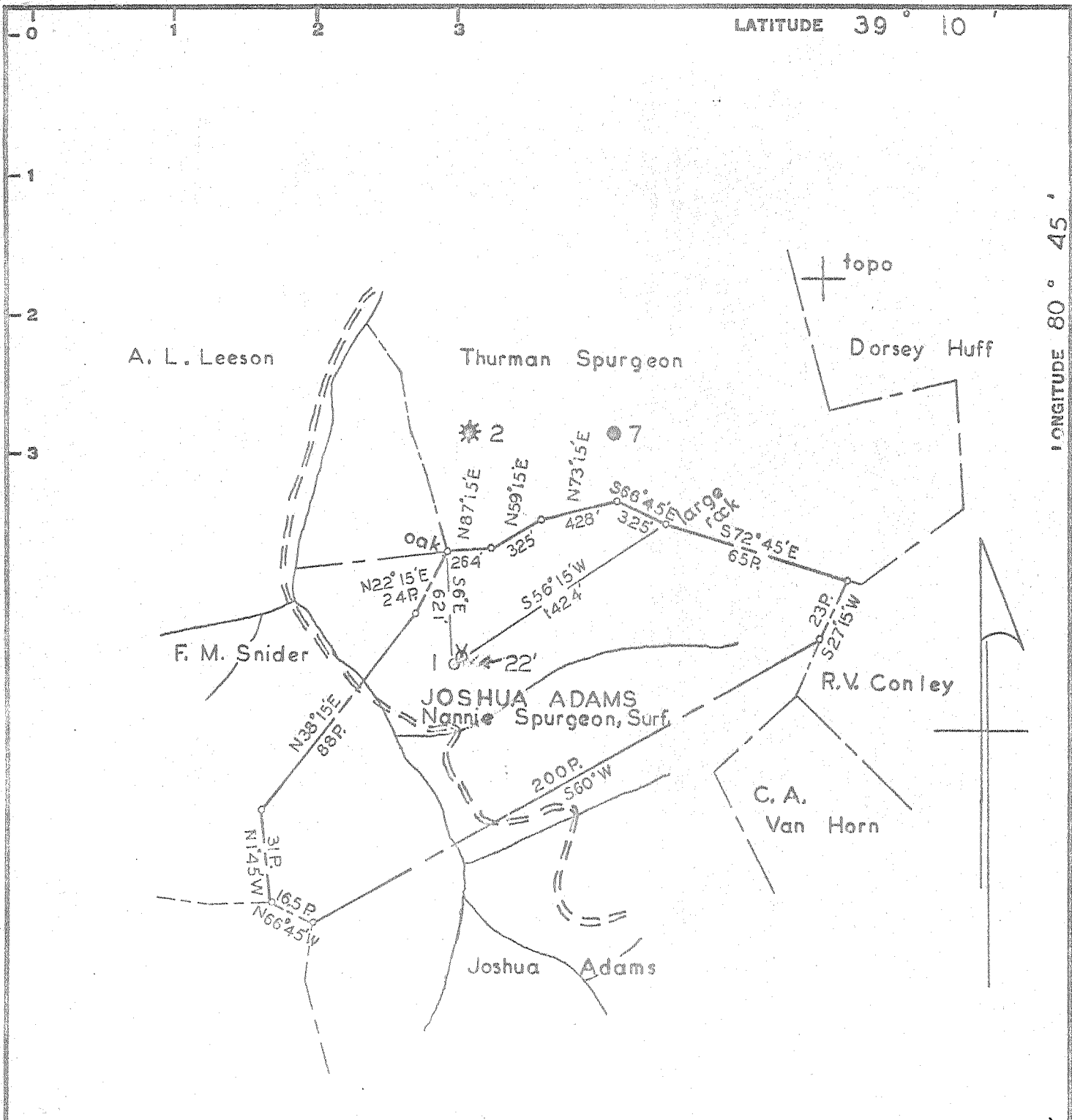
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP W
 FILE NO. Dod-1538-Rev.

+ 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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1/17/69



Minimum Error of Closure 1' in 200'

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- Fracture
- New Location Revised
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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. Hillbert*
 Squares: N S22 E W10

Map No. 6

Company PENNZOIL UNITED, INC.
 Address P. O. BOX 1500, PARKERSBURG, W. VA.
 Farm JOSHUA ADAMS
 Tract Acres 85 Lease No. 59342
 Well (Farm) No. 1 Serial No.
 Elevation (Spirit Level) 1034.97
 Quadrangle Holbrook *EC*
 County Doddridge District Cove
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cal



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle HOLBROOK
Permit No. DOD-1538-REV.

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company PENNZOIL UNITED, INC.
Address P. O. Box 1588, Parkersburg, West Va.
Farm Joshua Adams Acres 85
Location (waters) _____
Well No. 1 Elev. 1034.97
District Cove County Doddridge
The surface of tract is owned in fee by Nannie Spurgeon
Route 1
Address Auburn, West Va.
Mineral rights are owned by Agnes M. Adams
Harrisville, West Virginia
Address _____
Drilling commenced February 7, 1969
Drilling completed March 1, 1969
Date Shot _____ From _____ To _____
With _____

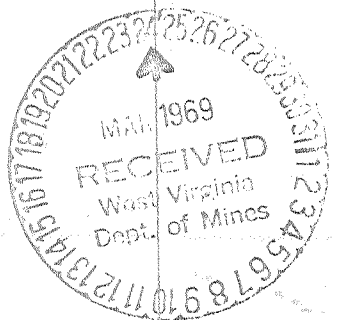
| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|--|
| Size | | | |
| 16" | 14. | 14. | Kind of Packer <u>Steel Shoe Steel Shoe.</u> |
| 13 | | | <u>Steel Shoe, Form.</u> |
| 10-3/4" | 112. | 112. | Packer <u>Size of 10-3/4".</u> |
| 8-5/8" | 1101. | | <u>8-5/8", 7", 4-1/2"</u> |
| 6-7/8" | 1815. | | Depth set <u>112, 1101,</u> |
| 5 3/16 | | | <u>1815, 1969</u> |
| 4 1/2" | 1969. | 1969. | |
| 3. | | | Perf. top _____ |
| 2. | | | Perf. bottom _____ |
| Liners Used _____ | | | Perf. top _____ |
| | | | Perf. bottom _____ |

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume Show _____ Cu. Ft.
Rock Pressure No Test lbs _____ hrs.
Oil 15 Gals. _____ bbls., 1st 24 hrs.

Attach copy of cementing record.
CASING CEMENTED 10-3/4" SIZE 112 No. Ft. 2-8-69 Date
8-5/8" 1101 2-20-69
Amount of cement used (bags) 4-1/2 - 1969' 3-3-69
Bags used 45, 15-Aquagel and 15 Pozmix
Name of Service Co. Halliburton
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

WELL FRACTURED (DETAILS) 3-10-69 with 940 bbls. water, 56,000# Sand, 500 gals. REG Acid, 600# WAC-
10, 40 gals. Morflo and 1/2 Gal. Inhibitor.
RESULT AFTER TREATMENT (initial open flow or bbls.) Gas- 16M Oil-22 Bbls 16,000 22 BOPD + 16 McF
ROCK PRESSURE AFTER TREATMENT No test HOURS _____
Fresh Water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|----------------|-------|--------------|------|--------|-------------------|-------|---------|
| Soil | | | 0 | 8 | | | |
| Rock Sand | | | 8 | 30 | | | |
| Red Rock | | | 30 | 90 | Water | | Show |
| Sand | | | 90 | 100 | | | |
| Slate | | | 100 | 112 | | | |
| Red Rock | | | 112 | 175 | | | |
| Sand | | | 175 | 212 | | | |
| Red Rock | | | 212 | 225 | | | |
| Slate | | | 225 | 265 | | | |
| Red Rock | | | 265 | 303 | | | |
| Sand | | | 303 | 390 | | | |
| Red Rock | | | 390 | 410 | | | |
| Slate | | | 410 | 423 | | | |
| Sand | | | 423 | 460 | | | |
| Slate | | | 460 | 618 | | | |
| Red Rock | | | 618 | 700 | | | |
| Slate | | | 700 | 730 | | | |
| Red Rock | | | 730 | 766 | | | |
| Slate & Shells | | | 766 | 1008 | | | |
| Sand | | | 1008 | 1025 | | | |
| Slate | | | 1025 | 1100 | | | |
| Lime Shell | | | 1100 | 1112 | | | |
| Slate & Shells | | | 1112 | 1185 | | | |
| Sand | | | 1185 | 1205 | | | |
| Slate & Shells | | | 1205 | 1279 | | | |
| Salt Sand | | | 1279 | 1407 | | | |
| Slate & Shells | | | 1407 | 1490 | | | |
| Sand | | | 1490 | 1570 | | | |
| Slate & Shells | | | 1570 | 1580 | | | |
| Sand | | | 1580 | 1630 | | | |



| Formation | Color | Hard or Soft | Top 4 | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|--------------|-------|--------------|-------|--------|-------------------|-------------|---------|
| ate | | | 1630 | 1665 | | | |
| xon | | | 1665 | 1720 | | | |
| ate & Shells | | | 1720 | 1788 | | | |
| nd | | | 1788 | 1810 | | | |
| ittle Lime | | | 1810 | 1820 | | | |
| ate | | | 1820 | 1825 | | | |
| g Lime | | | 1825 | 1838 | | | |
| ate | | | 1838 | 1850 | Gas | 1865-1870 | Show |
| g Lime | | | 1850 | 1910 | | | |
| g Injun | | | 1910 | 1993 | Oil | 1910-1915 | Show |
| ate & Shell | | | 1993 | 2010 | | | |
| tal Depth | | | | 2010 | | | |
| ugged Back | | | | 1990 | | | |

Date March 21, 19 69

APPROVED PENNZOIL UNITED, INC., Owner

By A. C. Hilbert
A. C. Hilbert (Title) Engineer

PENNZOIL COMPANY

601 GRAND CENTRAL AVENUE • VIENNA, W. VA 26105 • PHONE (304) 422-6565
Mailing Address: P.O. Drawer 1588, Parkersburg, West Virginia 26101

RECEIVED
AUG 23 1973
OIL & GAS
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: Joshua Adams No. 1

District: Cove

County: Doddridge

Permit No: Dod-1538-Rev.-Frac.

Completion Date: 11-7-72

Formation fractured: Top 1852
Big Lime Bottom 1855

Material - Sand: 0
Fluid: 2200 gals. HCL

Rock Pressure:
Before fracture - 0
After fracture - 0

Test After Fracture:
Oil - 7 B.O.P.D.
Gas Well Circulated
15,000 cu. ft.

Very truly yours,

PENNZOIL COMPANY

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

AUG 27 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
OCT 10 1972

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 October 6, 1972

Surface Owner Nannie Spurgeon
Route 1,
Address Auburn, West Virginia

Company Pennzoil Company
Address Parkersburg, West Virginia 26101

Mineral Owner Josie O. Spurgeon
Baldwin Route, Box 9,
Address Glenville, West Virginia 26351

Farm Joshua Adams Acres 85
Location (waters) Br. of Middle Fork of Hughes River

Coal Owner _____
Address _____

Well No. 1 Elevation 1034.97'
District ~~Henry~~ Cove County ~~Clax~~

Coal Operator NO COMMERCIAL COAL
Address _____

Quadrangle Holbrook

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 fracturing. This permit shall expire if
operations ~~have not commenced~~ by February 11, 1973

Robert P. D.
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Bill Blosser
Colfax, W. VA. PH: 363-9105

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 September 1, 1908 by Joshua and Sarah E. Adams made to J. W. Stuck and recorded on the _____ day of _____ 19____, in _____ County, Book 28 Page 172

_____NEW WELL _____DRILL DEEPER _____REDRILL X _____~~REWORK~~ 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, PENNZOIL COMPANY
(Sign Name) Curtis A. Lucas
Well Operator Curtis A. Lucas, Surveyor

Address
of
Well Operator

P. O. Box 1588
Street
Parkersburg,
City or Town
West Virginia 26101
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
Survey

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

PROPOSED WORK ORDER TO _____ DRILL _____ DEEPEN X ~~FRACTURE~~ STIMULATE
 DRILLING CONTRACTOR: (If Known) RESPONSIBLE AGENT:
 NAME Hank Pence NAME PENNZOIL COMPANY
 ADDRESS _____ ADDRESS Parkersburg, West Virginia 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 1990 ROTARY _____ CABLE TOOLS X
 PROPOSED GEOLOGICAL FORMATION: Big Lime
 TYPE OF WELL: OIL X 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 | 112 | |
| 9 - 5/8 | | | |
| 8 - 5/8 | | | |
| 7 | | | |
| 5 1/2 | | | |
| 4 1/2 | 1969 | 1969 | |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? none 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