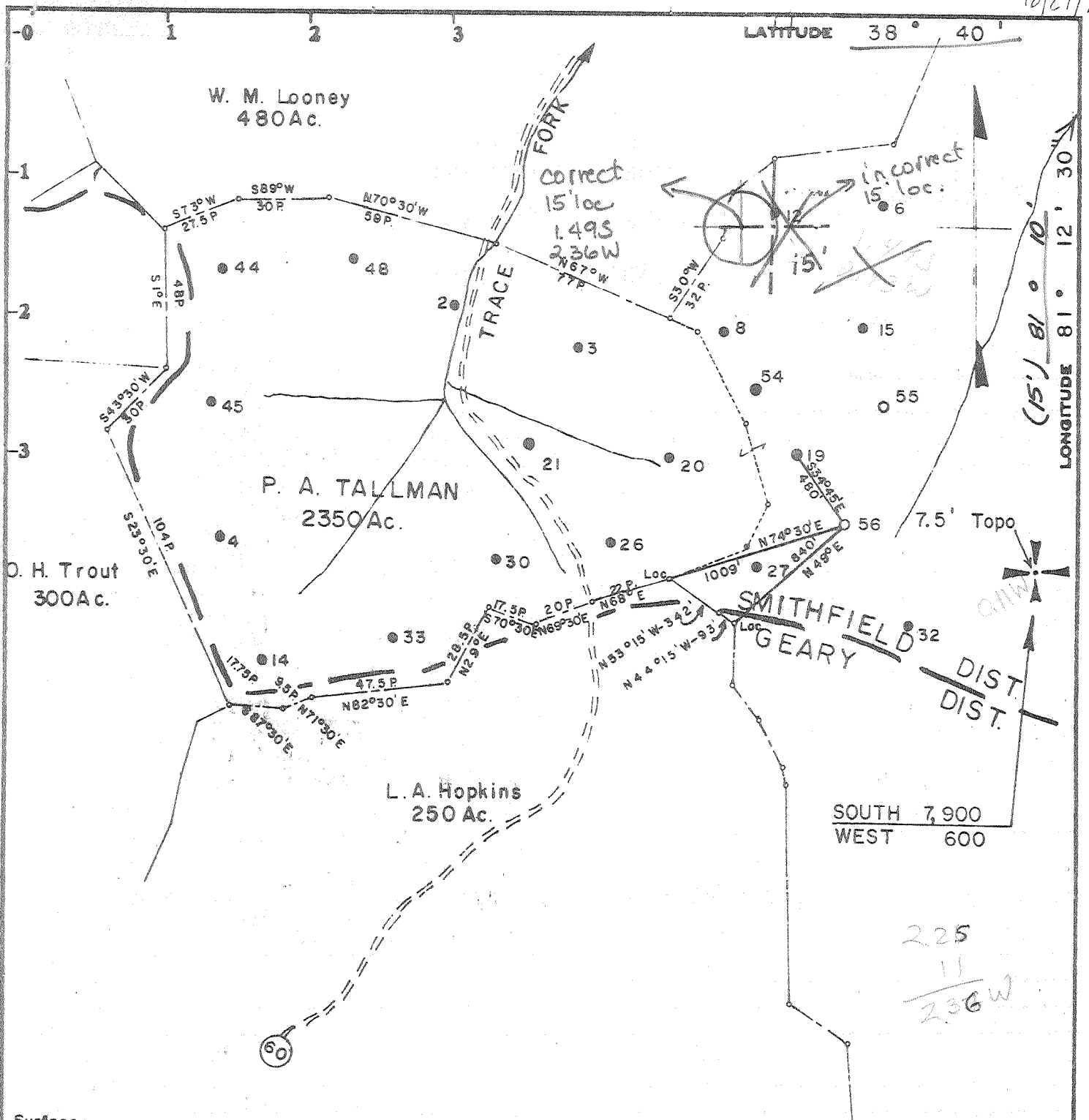


10/27/78



Surface: Robert Townsend
 Left Hand, WV 25251 Minimum Error of Closure 1 in 200
 Sources of Elevation P. A. TALLMAN NO. 27, ELEV. 1182.58

Fracture
 New Location Water Injection
 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: *Curtis A. Lucas*
 Map No. 72 Squares: N S 55 E W 35

Company PENNZOIL COMPANY
 Address P. O. Box 1588, Parkersburg, W. Va. 26101
 Farm P. A. TALLMAN
 Tract _____ Acres 2350 Lease No. 81216-50
 Well (Farm) No. 56 Serial No. _____
 Elevation (Spirit Level) 1186.21 *WC*
 Quadrangle TARIFF 7 1/2, OTTER 15'
 County ROANE District SMITHFIELD
 Surveyor CURTIS A. LUCAS
 Surveyor's Registration No. 275
 File No. 1344 Drawing No. _____
 Date 6-26-78 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. ROA-2406

+ 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.

47-087 JUL 18 1978

PLANNING 44 131 27198

8-0 2265' Inj. TARIFF 199



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

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OIL AND GAS DIVISION
DEPARTMENT OF MINES

WELL RECORD

Quadrangle Tariff 7.5'

Permit No. Roa-2406

47-057

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood Storage _____
Disposal _____ (Kind) _____

Company <u>PENNZOIL COMPANY</u>	26101	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>P. O. Box 1588, Parkersburg, WV</u>					
Farm <u>P. A. Tallman</u> Acres <u>2350</u>					
Location (waters) <u>Trace Fork</u>					
Well No. <u>56</u> Elev. <u>1186.21'</u>		Size			
District <u>Smithfield</u> County <u>Roane</u>		<u>20-16</u>			
The surface of tract is owned in fee by _____		Cond.			
<u>Robert Townsend</u>		<u>13-10"</u>			
Address <u>Left Hand, WV 25251</u>		<u>9 5/8</u>			
Mineral rights are owned by <u>Anna Lee Collins</u>		<u>8 5/8</u>	<u>423</u>	<u>423</u>	<u>280 sks.</u>
Address <u>1009 Main St., Point Pleasant</u>		<u>7</u>			
Drilling Commenced <u>August 3, 1978</u> WV		<u>6 1/2</u>	<u>2240</u>	<u>2240</u>	<u>100 sks.</u>
Drilling Completed <u>August 9, 1978</u>		<u>3</u>			
Initial open flow _____ cu. ft. _____ bbls.		<u>2</u>			
Final production _____ cu. ft. per day _____ bbls.		Liners Used			
Well open _____ hrs. before test _____ RP.					

Well treatment details:

Attach copy of cementing record.

Fractured 10-20-78 w/142BW, 1100# 20/40 sd., 250 Gal. 15% HCL
Water Injection Well

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	140		
Sand			140	170		
Shale			170	202		
Sand			202	222		
Shale			222	378		
Sand			378	388		
Shale & Silt			388	554		
Sand			554	564		
Shale & Silt			564	720		
Shale			720	832		
Siltstone			832	870		
Sand			870	890		
Shale			890	894		
Sand			894	934		
Shale			934	946		
Sand			946	966		
Shale			966	1016		
Sand			1016	1048		
Shale			1048	1072		
Sand			1072	1178		
Shale			1178	1198		
Sand			1198	1220		
Shale			1220	1232		
Sand			1232	1260		

MAR 2 1 1979

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			1260	1280		
Sand			1280	1310		
Shale			1310	1404		
Sand			1404	1444		
Shale			1444	1456		
Sand			1456	1470		
Shale			1470	1530		
Shale			1530	1624		
Sand			1624	1654		
Siltstone			1654	1726		
Sand			1726	1822		
Shale			1822	1842		
Siltstone			1842	1874		
Sand			1874	2022		
Little Lime			2022	2050		
Blue Monday			2050	2052		
Pencil Cave			2052	2072		
Big Lime			2072	2180		
Big Injun			2180	2208		
Shale			2208	2252		
				2252		
Total Depth				2214		
Plug Back Depth						

Date February 26, 1979

APPROVED PENNZOIL COMPANY Owner

By Curtis A. Roman



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUN 27 1978

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE June 26, 1978

Surface Owner Robert Townsend

Company PENNZOIL COMPANY

Address Left Hand, WV 25251

Address P. O. Box 1588, Parkersburg, WV 26101

Mineral Owner Anna Lee Collins

Farm P. A. Tallman Acres 2350

Address 1009 Main Street, Point Pleasant 25550

Location (waters) Trace Fork

Coal Owner _____

Well No. 56 Elevation 1186.21'

Address _____

District Smithfield County Roane

Coal Operator NO COMMERCIAL COAL

Quadrangle Tariff 7.5'

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 10-28-78.

INSPECTOR TO BE NOTIFIED Richard Morris

ADDRESS Grantsville, W. Va.

PHONE 354-7259

Robert Townsend
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 21, 1906 by P. A. Tallman, et ux made to Carter Oil Company and recorded on the _____ day of _____ 19____, in _____ County, Book 12 Page 26

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:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Very truly yours, PENNZOIL COMPANY
(Sign Name) *Curtis A. Lucas*
Well Operator Curtis A. Lucas,
P. O. Box 1588, Civil Engineering De
Street
Parkersburg,
City or Town
West Virginia 26101
State

Address
of
Well Operator

*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

ROA-2406 PERMIT NUMBER

47-087

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 Clint Hurt & Assoc. NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, West Virginia 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 2265' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Injun
 TYPE OF WELL: OIL _____ GAS _____ COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER Water Injection

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16			
13 - 10			
9 - 5/8			
8 - 5/8	413'	413'	Cement to surface
7			
5 1/2			
4 1/2	2265'	2265'	100 sks.
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