





IV-35  
(Rev 8-81)

Date December 4, 1984  
Operator's  
Well No. 75  
Farm P. A. Tallman  
API No. 47 - 087 - 3879-Li

**RECEIVED** State of West Virginia  
Department of Mines  
Oil and Gas Division  
DEC 7 - 1984

OIL & GAS DIVISION  
WELL OPERATOR'S REPORT  
**DEPT. OF MINES** OF  
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil \_\_\_ / Gas \_\_\_ / Liquid Injection X / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep \_\_\_ / Shallow \_\_\_ /)

LOCATION: Elevation: 1134.1 Watershed Sycamore Fork  
District: Smithfield County Roane Quadrangle Tariff 7.5

COMPANY Pennzoil Company  
ADDRESS P.O. Box 1588, Parkersburg, WV 26101  
DESIGNATED AGENT James A. Crews  
ADDRESS P. O. Box 1588, Parkersburg, WV 26101  
SURFACE OWNER Doyle D. Jones  
ADDRESS P. O. Box 926, Spencer, WV 25257  
MINERAL RIGHTS OWNER Anna Lee Collins  
ADDRESS \_\_\_\_\_  
OIL AND GAS INSPECTOR FOR THIS WORK Homer  
Dougherty ADDRESS Linden Rt., Box 3-A  
PERMIT ISSUED 5-3-84 Looneyville, WV  
DRILLING COMMENCED 6-15-84  
DRILLING COMPLETED 6-18-84  
IF APPLICABLE: PLUGGING OF DRY HOLE ON  
CONTINUOUS PROGRESSION FROM DRILLING OR  
REWORKING. VERBAL PERMISSION OBTAINED  
ON \_\_\_\_\_

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8x5/8 8-3/4	481	481	125 sks
7			
5 1/2			
4 1/2	2165	2165	60 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Depth 2163-2180 feet  
Depth of completed well 2236 feet Rotary X / Cable Tools \_\_\_\_\_  
Water strata depth: Fresh 72-85 feet; Salt 1870-1988 feet  
Coal seam depths: \_\_\_\_\_ Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Water Injection Well Pay zone depth \_\_\_\_\_ feet  
Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow \_\_\_\_\_ Mcf/d 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  
(If applicable due to multiple completion--)  
Second producing formation \_\_\_\_\_ 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)

DEC 26 1984

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

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Shale & Siltstone			0	790	
Sand			790	920	
Shale			920	938	
Sand, Shale, Siltstone			938	1641	
Salt Sand			1641	1988	
Little Lime			1988	2024	
Blue Monday			2024	2028	
Pencil Cave			2028	2048	
Big Lime			2048	2163	
Big Injun			2163	2180	
Pocono Shale			2180	2236	
Total Depth				2236	

(Attach separate sheets as necessary)

Pennzoil Company  
Well Operator

By: Curtis A. Lucas

Date: 12-4-84

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 all, encountered in the drilling of a well."

1) Date: April 12, 19 84  
 2) Operator's Well No. P. A. Tallman #75  
 3) SIC Code \_\_\_\_\_  
 4) API Well NO. 47 - 087 - 3879-LI  
                             State                    County                    Permit  
 5) UIC Permit No. \_\_\_\_\_

STATE OF WEST VIRGINIA  
 NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION  
 for the  
 OFFICE OF OIL AND GAS, DEPARTMENT OF MINES, AND FOR  
 (CLASS II WELLS ONLY)  
THE DIVISION OF WATER RESOURCES, DEPARTMENT OF NATURAL RESOURCES

**RECEIVED**  
 APR 17 1984

OIL & GAS DIVISION  
**DEPT. OF MINES**

- 6) WELL TYPE: Liquid injection  / Gas injection (not storage) \_\_\_\_\_ / Waste disposal \_\_\_\_\_  
 7) LOCATION: Elevation: 1134.13 Watershed: Sycamore Fork  
                     District: Smithfield County: Roane Quadrangle: Tariff 7.5'  
 8) WELL OPERATOR Pennzoil Company 9) DESIGNATED AGENT James A. Crews  
     Address P. O. Box 1588 Address P. O. Box 1588  
                     Parkersburg, WV 26101 Parkersburg, WV  
 10) OIL & GAS INSPECTOR TO BE NOTIFIED 11) DRILLING CONTRACTOR:  
     Name Homer Dougherty Name \_\_\_\_\_  
     Address Linden Rt., Box 3-A Address \_\_\_\_\_  
                     Looneyville, WV  
 12) PROPOSED WELL WORK: Drill  / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / Stimulate  /  
     Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_ / Convert \_\_\_\_\_  
     Other physical change in well (specify) \_\_\_\_\_  
 13) GEOLOGICAL TARGET FORMATION, Big Injun Depth 2140 feet(top) to 2165 feet(bottom)  
 14) Estimated depth of completed well, (or actual depth of existing well) 2220 ft.  
 15) Approximate water strata depths; Fresh, 434 feet; salt, \_\_\_\_\_ feet.  
 16) Approximate coal seam depths: \_\_\_\_\_  
 17) Is coal being mined in the area? Yes \_\_\_\_\_ / No  /  
 18) Virgin reservoir pressure in target formation 80 psig. Source Estimated  
 19) Estimated reservoir fracture pressure 2655 psig (BHFP)  
 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bottom hole pressure 2000  
 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh Water, Bactericides  
 22) FILTERS (IF ANY): Coal Filters  
 23) SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL: \_\_\_\_\_

24) CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	7				X	470 <del>300</del>	470 <del>300</del>	Cement to surface	Sizes
Coal									Depths set
Intermediate									Perforations:
Production	4-1/2	K55	9.5	X		2218	2218	Over Lower Salt Sand	Top Bottom
Tubing									
Liners									

25) APPLICANT'S OPERATING RIGHTS were acquired from P. A. Tallman, et ux  
 by deed \_\_\_\_\_ / lease  / other contract \_\_\_\_\_ / dated May 21, 19 06, of record in the  
Roane County Clerk's office in Lease Book 12 at page 26

OFFICE USE ONLY  
DRILLING PERMIT

Permit number 47-087-3879-LI

May 3 19 84  
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and (if required) construction and reclamation plan, subject to any modifications and conditions specified below.

Permit expires May 3, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <b>BLANKET</b>	Agent: <i>ls</i>	Plat: <i>[Signature]</i>	Casing: <i>[Signature]</i>	Fee: <b>17458</b>
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*Michael Lewis*  
\_\_\_\_\_  
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)	Date(s)
Application received			
Well work started		" "	
Total depth reached		" "	
Well Record received		" "	
Reclamation completed		" "	

OTHER INSPECTIONS

Reason: \_\_\_\_\_

Reason: \_\_\_\_\_