

New Location   
 Drill Deeper   
 Abandonment

Minimum Error of Closure **One part in 200**  
 Source of Elevation **Road forks at mouth Bee Run**  
**EI. 641.0'**

"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."

Company **Durst Oil & Gas**  
 Address **Point Pleasant, WV 25550**  
 Farm **L. WILLIAMSON PALLETTS, INC.**  
 Tract \_\_\_\_\_ Acres **162 ±** Lease No. **3598**  
 Well (Farm) No. **1** Serial No. **885**  
 Elevation (Spirit Level) **654.0'**  
 Quadrangle **ELMWOOD 7.5' WINFIELD 15'**  
 County **MASON** District **UNION**  
 Surveyor **C. J. Valley Jr.**  
 Engineer's Registration No. **L.S. 92**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **2-17-79** Scale **1" = 500'**

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

WELL LOCATION MAP  
 FILE NO. **47-053-0173 P**

+ 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.

*4725' Oriskany*

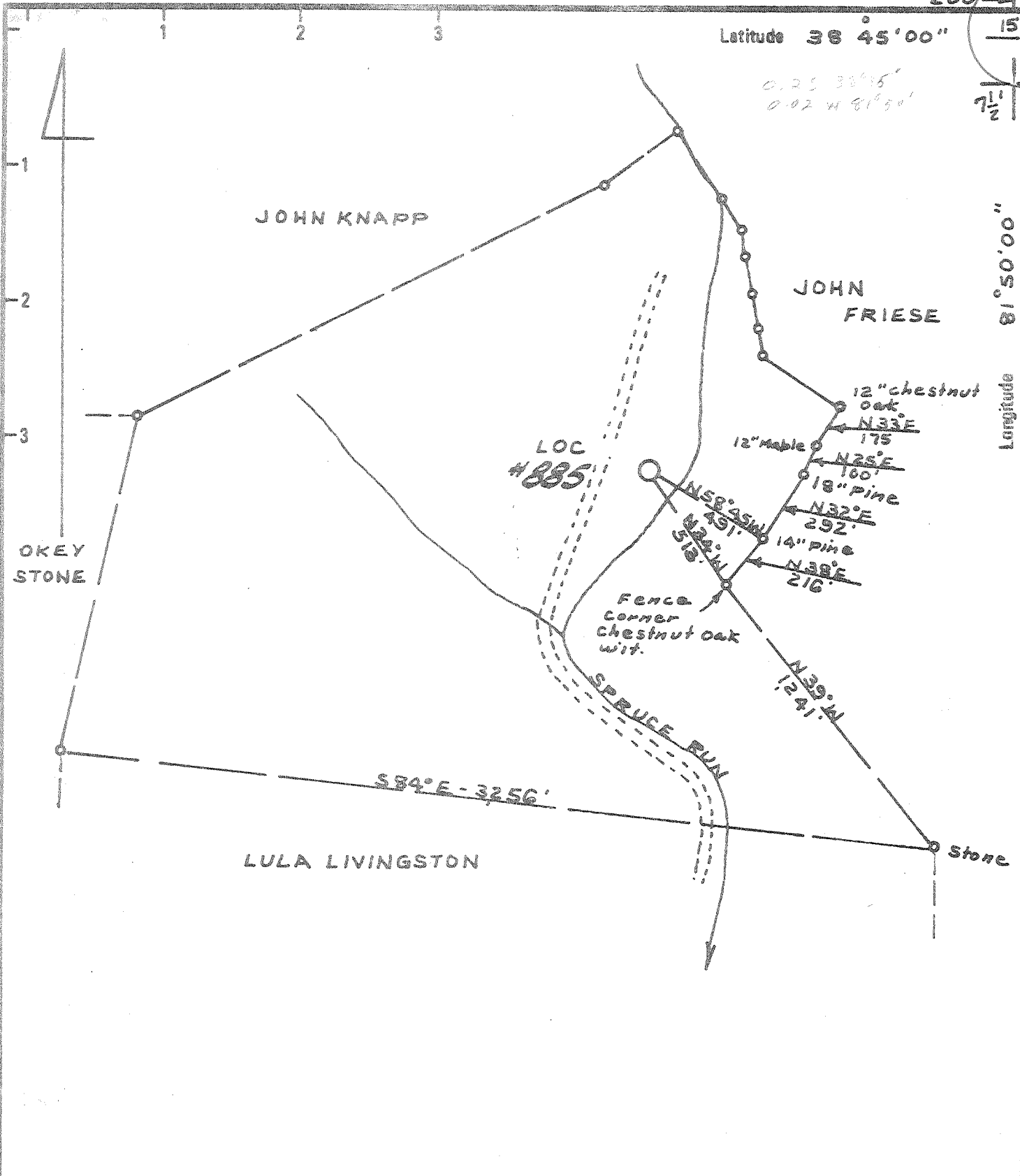
JUL 01 2005

MAS 0173 P

Latitude 38° 45' 00"

0.25 30° 15'  
0.02 W 81° 50'

Longitude 81° 50' 00"



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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."

Company DEVON CORP.  
 Address P.O. BOX 1433 CHARLESTON WV  
 Farm L. WILLIAMSON PALLETS, INC.  
 Tract \_\_\_\_\_ Acres 162 ± Lease No. 3598  
 Well (Farm) No. 1 Serial No. 885  
 Elevation (Spirit Level) 654.0' NC  
 Quadrangle ELMWOOD 7.5' WINFIELD 15'  
 County MASON District UNION  
 Surveyor C. S. Jolley Jr.  
 Engineer's Registration No. LS 92  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date 2-17-79 Scale 1" = 500

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. 47-053-0173

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MAR 15 1979

DEEP WELL 4725' Oriskany 6-6 Rock Castle (346)

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary XX Oil XX  
Cable \_\_\_\_\_ Gas \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Stou. \_\_\_\_\_  
Disposal \_\_\_\_\_ (land)

Quadrangle Elmwood 7 1/2  
Permit No. 47-053-0173

Company DEVON CORPORATION  
Address PO Box 1433, Charleston, W. Va.  
Farm Williamson Pallet Acres 162  
Location (waters) Spruce Run of 13 Mi. Creek  
Well No. 885 Elev. 654  
District Union County Mason

The surface of tract is owned in fee by Williamson Pallet, Inc.

Address Rt. 1, Box 109, Southside, W. Va.  
Mineral rights are owned by Same as above  
Address \_\_\_\_\_

Drilling Commenced June 26, 1979  
Drilling Completed July 3, 1979  
Initial open flow 4 MCFD xxxx bbls.  
Final production 765 MCFD xxxxxxxxxx bbls.  
Well open 4 hrs. before test 1950 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement (fill up) Cu. ft. (lbs.)
Size 20-16			
Cond. 13-10"			
9 5/8	198	198	100 sacks for su
8 5/8			
7	2340	2340	75 sacks 630'
5 1/2			
4 1/2		4688	200 sacks 2400'
3			
2		4586	
Liners Used			

Attach copy of cementing record.

Well treatment details:  
Perforated 4 1/2" casing @ 4590 to 4592 with 16 shots

Frac Oriskany Sand with 53,000# sand and 540 BBLS water.

Coal was encountered at \_\_\_\_\_ Feet \_\_\_\_\_ Inches  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet  
Producing Sand Oriskany Sand Depth 4562-4595

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	18		
Shale			18	80		
Sand			80	100		
Shale			100	217		
Sand			217	230		
Shale			230	275		
Sand			275	295		
Shale			295	370		
Sand			370	385		
Shale			385	520		
Sand			520	535		
Shale			535	623		
Sand			623	645		
Shale			645	780		
Sand			780	827		
Shale			827	920		
Salt Sand			920	1025		
Shale			1025	1105		
Salt Sand			1105	1230		
Shale			1230	1275		
Broken Sand			1275	1385		
Shale			1385	1455		
Sand			1455	1475		

(over)

\* Indicates Electric Log tops in the remarks section.

Lithology	Top Feet	Bottom Feet	Remarks
Shale	1475	1650	
Saxon Sand	1650	1698	
Big Stone	1698	1796	
Shale	1796	1832	
Injun Sand	1832	1974	
Shale	1974	2278	
Coffee Shale	2278	2299	
Berea Sand	2299	2313	
Shale	2313	3480	
Brown Shale	3480	3938	
Shale	3938	4336	
Marcellus Shale	4336	4489	
Onondaga L. S.	4489	4562	
Oriskany Sand	4562	4595	
Helderberg L. S.	4595	4714	
Log Total Depth	4714		

Date July 13, 1979

DEVON CORPORATION

APPROVED A. C. House

A. C. House

District Geologist



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

RECEIVED

FEB 20 1979

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 February 19, 1979

Surface Owner L. Williamson Pallet, Inc.  
Address Box 109, Rt. 1, Southside, WV 25187

Company DEVON CORPORATION  
Address P. O. Box 1433, Charleston, WV

Mineral Owner L. Williamson Pallet, Inc.  
Address Box 109, Rt. 1, Southside, WV 25187

Farm L. Williamson Pallet Acres 162 ac

Coal Owner Same as above 25271

Location (waters) Spruce Run of 13 Mile Creek

Address \_\_\_\_\_

Well No. 885 Elevation 654

Coal Operator Not Operated

District Union County Mason

Address \_\_\_\_\_

Quadrangle Elmwood 7 1/2"

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~~ 10-22-79.

*John R. [Signature]*

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Mr. Kenneth Butcher  
PH: 736-4885 ADDRESS Barboursville, W. Va.

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 June 12, 1976 by R. M. Kessel et al made to Devon & Eason and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in Mason County, Book 41 Page 110

XXX 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:

W. VA. OIL & GAS CONSERVATION COMMISSION  
1513 WASHINGTON STREET, EAST  
CHARLESTON, WEST VIRGINIA 25311

Address  
of  
Well Operator

Very truly yours, DEVON CORPORATION  
(Sign Name) A. C. Youse  
Well Operator  
A. C. Youse, Dist. Geologist  
PO Box 1433  
Street  
Charleston  
City or Town  
West Virginia 25324  
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 BOARD

47-053-0173 PERMIT NUMBER

*Sealed*

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

PROPOSED WORK ORDER TO XXX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME FWA Drilling Co. NAME Bill Endicott  
 ADDRESS Box 448, Elkview, W. Va. ADDRESS Box 1433, Charleston, W. Va.  
 TELEPHONE 965-3379 TELEPHONE 342-3171  
 ESTIMATED DEPTH OF COMPLETED WELL: 4725 ROTARY XXX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XXX 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			
9 - 5/8	200	200	100 Sax = To surface
8 - 5/8			
7	2350	2350	75 Sax = 625'
5 1/2			
4 1/2		4725	200 Sax = 2400'
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET SALT WATER \_\_\_\_\_ FEET  
 APPROXIMATE COAL DEPTHS None anticipated  
 IS COAL BEING MINED IN THE AREA? No 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