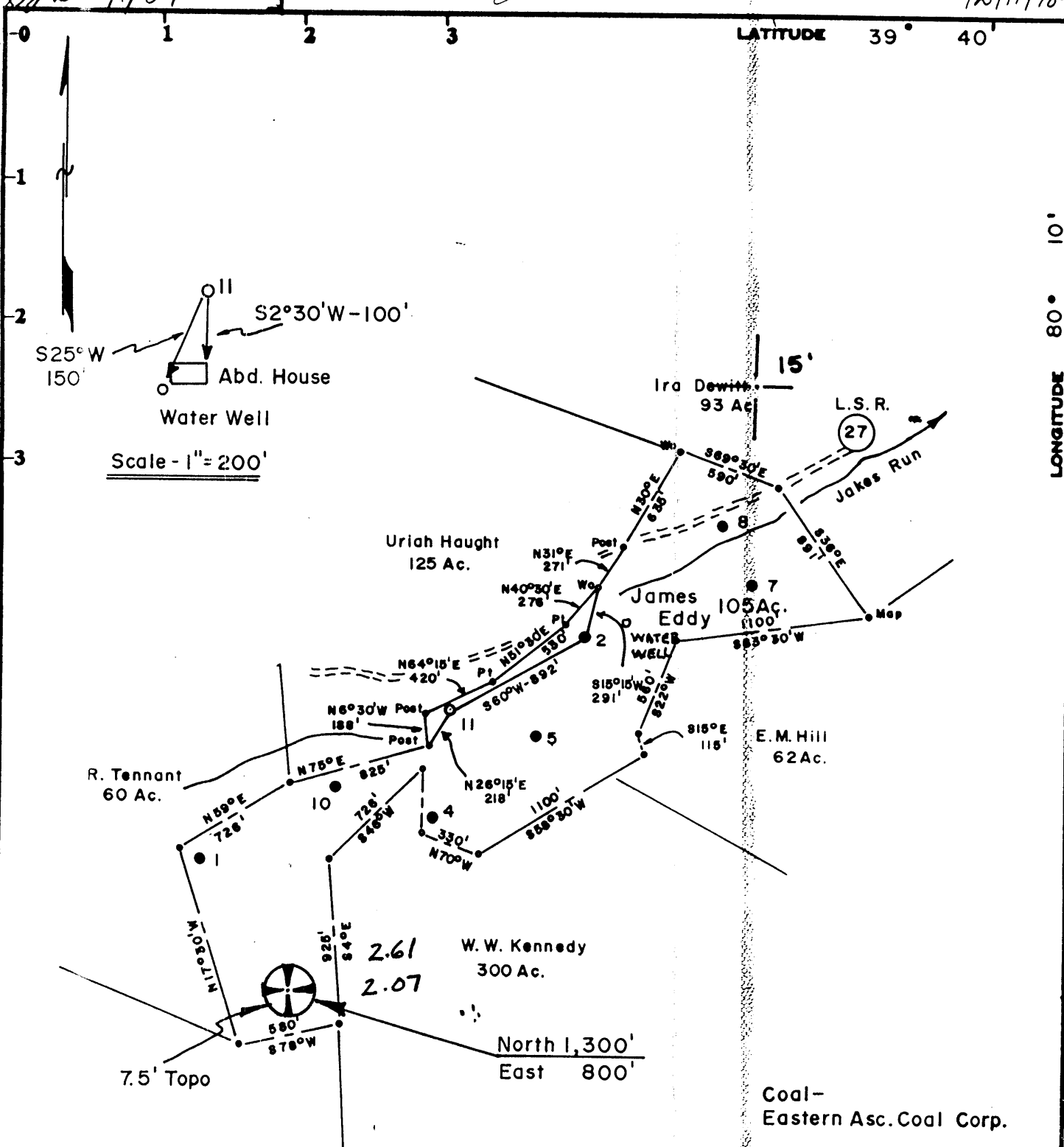


9/1/87

11000

12/11/78



Surface -  
Mr. Merle Eddy  
Route 2  
Fairview, W.Va., 26570

Minimum Error of Closure 1 in 200  
Source of Elevation James Eddy #2, elevation 1143.00 Ground

Fracture.....  22-87  
New Location.....   
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. N62°E Squares: N 12 S E 23 W

Company	<u>PENNZOIL COMPANY 0673</u>
Address	<u>P. O. Box 1588, Parkersburg, W. Va. 26101</u>
Farm	<u>JAMES EDDY</u>
Tract	<u>Acres 105 Lease No. 368</u>
Well (Farm) No.	<u>11 Serial No.</u>
Elevation (Spirit Level)	<u>1158.21</u>
Quadrangle	<u>BLACKSVILLE 7.5' 15'</u>
County	<u>MONONGALIA District CLAY 3</u>
Surveyor	<u>CURTIS A. LUCAS</u>
Surveyor's Registration No.	<u>275</u>
File No.	<u>1677 Drawing No.</u>
Date	<u>12-6-78 Scale 1" = 800'</u>

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

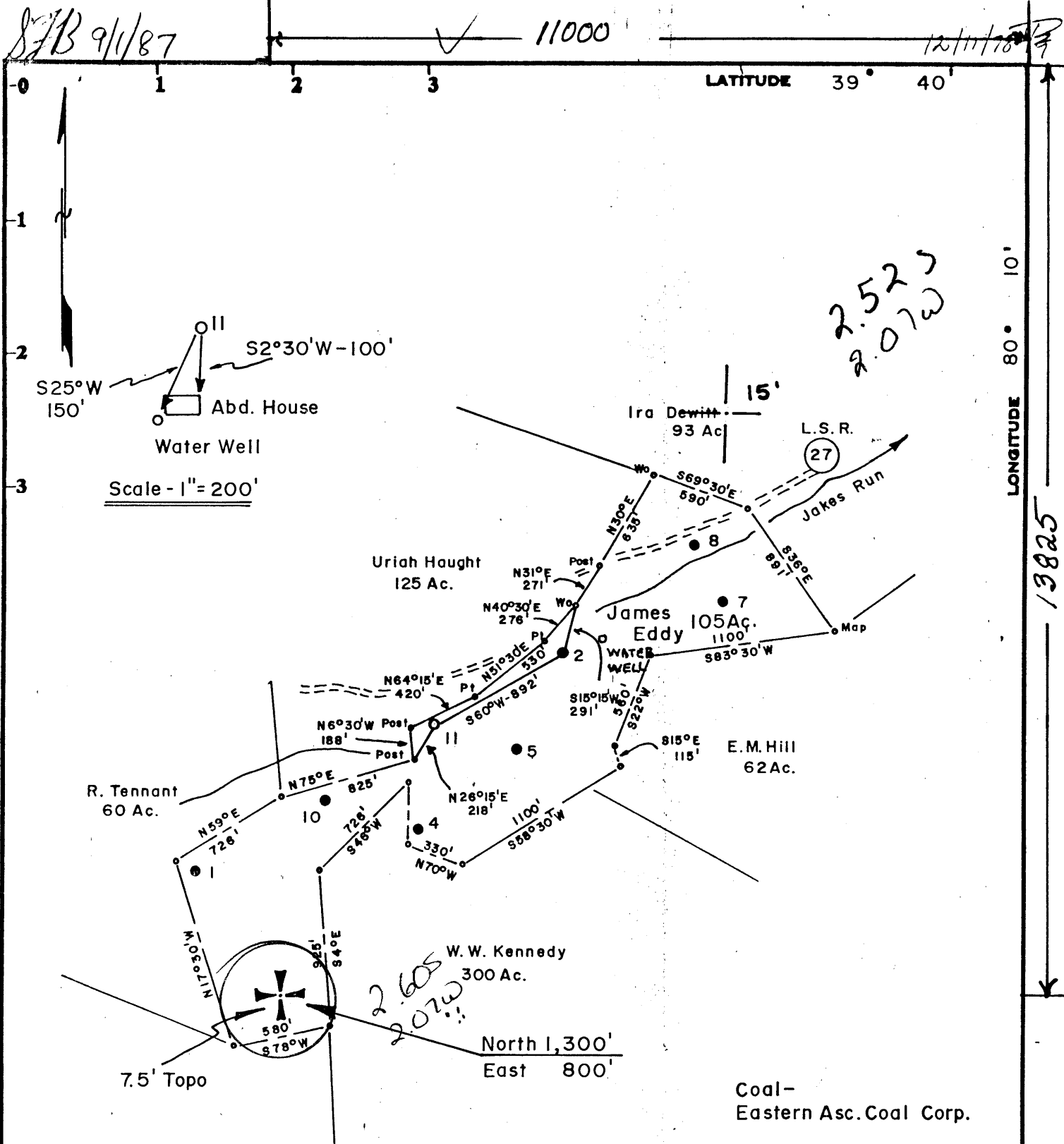
**WELL LOCATION MAP**

FILE NO. 47-061-0573-Frac  
**FRAC CANCELLED**  
+ 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.

BRUNING 44-131 27198

2137' Big Injun

DEC 01 1989



Surface - Mr. Merle Eddy  
Route 2  
Fairview, W.Va., 26570

Minimum Error of Closure 1 in 200

Source of Elevation James Eddy # 2, elevation 1143.00 Ground

Fracture  89-22-87

New Location

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. N62°E Squares: N 12 S E 23 W

Company	PENNZOIL COMPANY 673
Address	P. O. Box 1588, Parkersburg, W. Va. 26101
Farm	JAMES EDDY
Tract	Acres 105 Lease No. 368
Well (Farm) No.	11 Serial No. _____
Elevation (Spirit Level)	1158.21
Quadrangle	BLACKSVILLE 7.5' 15' 256 0124
County	MONONGALIA District CLAY 3
Surveyor	CURTIS A. LUCAS
Surveyor's Registration No.	275
File No.	1677 Drawing No. _____
Date	12-6-78 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. 47-061-0573-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.

SEP 28 1987

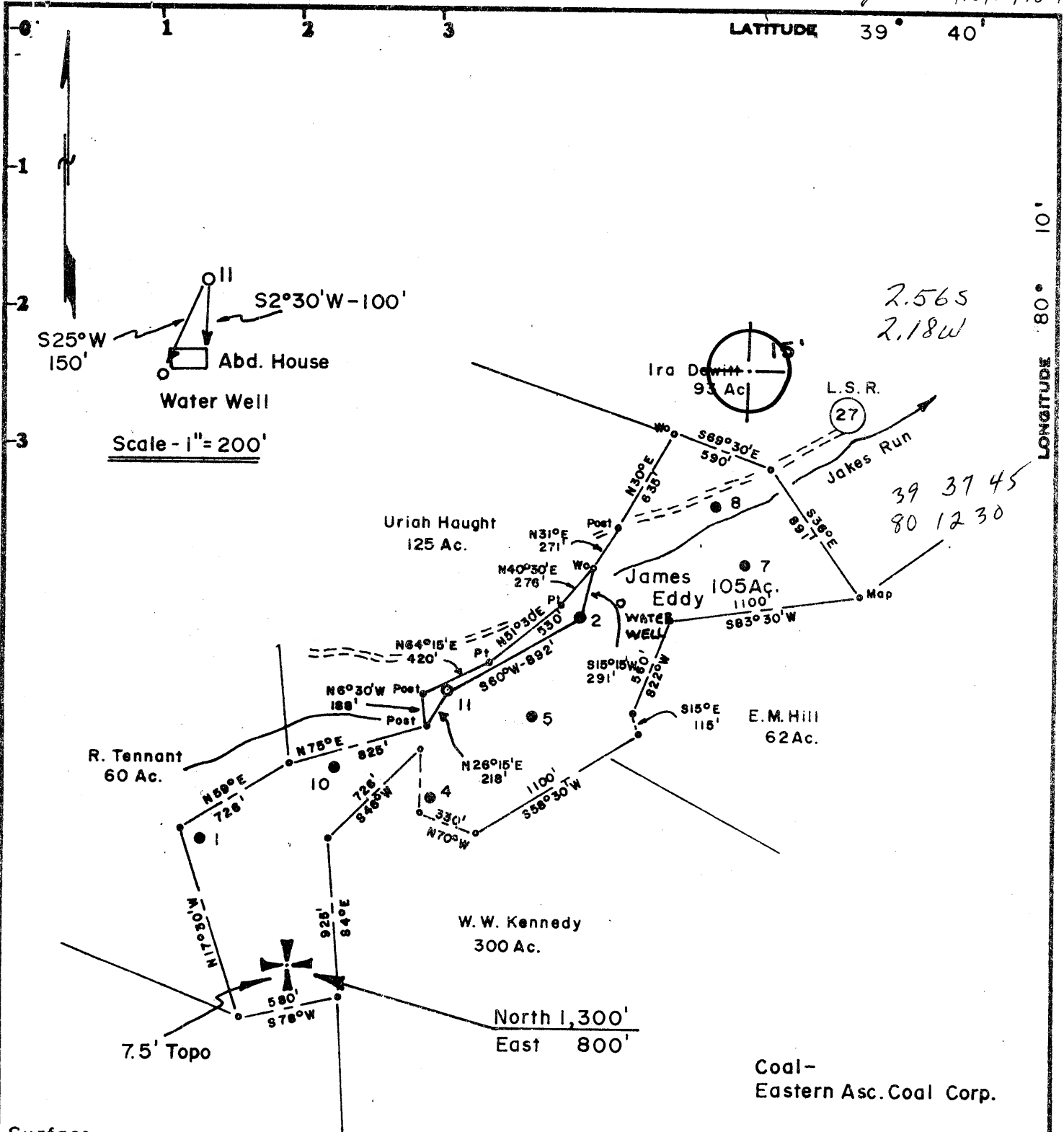
- Denotes one inch spaces on border line of original tracing.

BRUNING 44-131 27198

2137' Big Injun

LATITUDE 39° 40'

LONGITUDE 80° 10'



Surface-  
Mr. Merle Eddy  
Route 2  
Fairview, W.Va., 26570

Minimum Error of Closure 1 in 200  
Source of Elevation James Eddy #2, elevation 1143.00 Ground

- Fracture.....
- New Location.....
- 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. N62°E Squares: N 12 S E 23 W

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	JAMES EDDY		
Tract	Acres	105	Lease No. 368
Well (Farm) No.	11	Serial No.	
Elevation (Spirit Level)	1158.21	WG	
Quadrangle	BLACKSVILLE 7.5' 15'		
County	MONONGALIA	District	CLAY
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	1677	Drawing No.	
Date	12-6-78	Scale	1" = 800'

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

**WELL LOCATION MAP**

FILE NO. 47-061-0573

+ 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.

JAN 10 1979

- Denotes one inch spaces on border line of original tracing.

FAIRVIEW-STATLER RUN 66

BRUNING 44-131 27198



**RECEIVED**  
AUG 01 1979

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
**Oil and Gas Division**

**WELL RECORD**

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

Quadrangle Blacksville Qd. 7.5'

Permit No. 47-061-0573

Company Pennzoil Company  
Address P. O. Box 1588, Parkersburg, WV 26101  
Farm James Eddy Acres 105  
Location (waters) Jakes Run  
Well No. 11 Elev. 1158.21'  
District Clay County Monongalia  
The surface of tract is owned in fee by Merle R. Eddy  
Address Rt. #2, Fairview, WV 26570  
Mineral rights are owned by Same As Above  
Address \_\_\_\_\_  
Drilling Commenced 12-29-78  
Drilling Completed 1-4-79  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8			
8 5/8	708	708'	275 sks.
7			
5 1/2			
4 1/2	2138'	2138'	75 sks.
3			
2			
Liners Used			

Well treatment details:

WIW will complete at a later date

Attach copy of cementing record.

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
Silt & Shale			0	180		
Sand			180	235		
Shale			235	265		
Sand			265	288		
Shale			288	305		
Sand & Shale			305	420		
Silt & Sand			420	620		
Pittsburgh Coal			620	630		
Silt & Shale			630	730		
Sand			730	790		
Silt & Shale			790	950		
Sand			950	964		
Silt & Shale			964	1035		
Sand & Shale			1035	1134		
Sand			1134	1164		
Shale			1164	1252		
Sand			1252	1274		
Shale			1274	1400		
Sand			1400	1444		
Shale			1444	1530		
Salt & Sand			1530	1630		
Silt & Shale			1630	1728		
Sand			1728	1758		
Silt & Shale			1758	1814		

(over)

\* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Little Lime			1814	1828		
Pencil Cave			1828	1842		
Big Lime			1842	1912		
Loyalhanna			1912	1986		
Pocono Big Injun			1986	2100		
Oil Show			2000	2035		
Shale			2100	2135		
Total Depth				2135		

Date July 30 19 79

APPROVED PENNZOIL COMPANY Owner

By Curtis A. Remar  
(Tel.) Eng. Dept.

(Obv) 7/85

RECEIVED  
AUG 28 1987



- 1) Date: August 27, 19 87
- 2) Operator's Well No. James Eddy #11
- 3) API Well No. 47 - 061 - 0573 -FRAC. State County Permit

STATE OF WEST VIRGINIA  
 DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION  
 DEPARTMENT OF ENERGY  
**APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production  / Underground storage  / Deep  / Shallow
- 5) LOCATION: Elevation: 1158.21 Watershed: Jakes Run 256  
 District: Clay 3 County: Monongalia 061 Quadrangle: Blacksville 7.5'
- 6) WELL OPERATOR Pennzoil Products CODE: 37450 7) DESIGNATED AGENT James A. Crews  
 Address 678 Address P.O. Box 5519  
 Vienna, WV 26105-5519
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Don Ellis  
 Address 2604 Crab Apple Lane  
 Fairmont, WV 26554
- 9) DRILLING CONTRACTOR: Name Address
- 10) PROPOSED WELL WORK: Drill  / Drill deeper  / Redrill  / Stimulate   
 Plug off old formation  / Perforate new formation  /  
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Big Injun  
 12) Estimated depth of completed well, 2135 feet  
 13) Approximate trata depths: Fresh, \_\_\_\_\_ feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: 620 Is coal being mined in the area? Yes  / No

15) 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		Kinds	Sizes
Conductor										
Fresh water	8-5/8					685	685	To Surface		
Coal										
Intermediate										
Production	4-1/2					2137	2137	75 Sks.	Depths set	
Tubing									Perforations:	
Liners									Top Bottom	

OFFICE USE ONLY  
DRILLING PERMIT

47-061-0573-FRAC

September 22 19 87  
Date

Permit number \_\_\_\_\_

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 reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires September 22, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Fee: 278 3074	S&E: <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>
---	--	------------------	--	---------------------------------

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

John W. Johnson by Margaret Hass  
Director, Division of Oil and Gas File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

10746



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

DEC 7 1978  
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 December 7, 1978

Surface Owner Merle R. Eddy

Company PENNZOIL COMPANY

Address Route #2, Fairview, WV 26570

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

Mineral Owner Same As Above

Farm James Eddy Acres 105

Address \_\_\_\_\_

Location (waters) Jakes Run

Coal Owner Eastern Associated Coal Corp.

Well No. 11 Elevation 1158.21'

Address Koppers Building

District Clay County Monongalia

Address Pittsburgh, Pa. 15219

Quadrangle Blacksville 7.5'

Coal Operator \_\_\_\_\_

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 4-23-79

INSPECTOR TO BE NOTIFIED Wm. Blosser

ADDRESS Colfax, W. Va.

John H. [Signature]  
Deputy Director - Oil & Gas Division

PHONE Fairmont - 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 May 28, 1889 by Jas. and Arthela Eddy made to South Penn Oil Company and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_, in \_\_\_\_\_ County, Book 32 Page 195

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

Address of Well Operator

Very truly yours, PENNZOIL COMPANY  
(Sign Name) Curtis A. Lucas  
Well Operator Curtis A. Lucas,  
P. O. Box 1588 Civil Engineering Dept  
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**

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 \_\_\_\_\_ NAME Pennzoil Company  
 ADDRESS \_\_\_\_\_ ADDRESS Parkersburg, WV 26101  
 TELEPHONE \_\_\_\_\_ TELEPHONE 422-6565  
 ESTIMATED DEPTH OF COMPLETED WELL: 2137' ROTARY X CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Big Injun  
 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			
9 - 5/8			
8 - 5/8		685'	cement to surface
7			
5 1/2			
4 1/2		2137'	75 sks.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS \_\_\_\_\_ FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS Pittsburgh Coal 613'  
 IS COAL BEING MINED IN THE AREA? yes 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