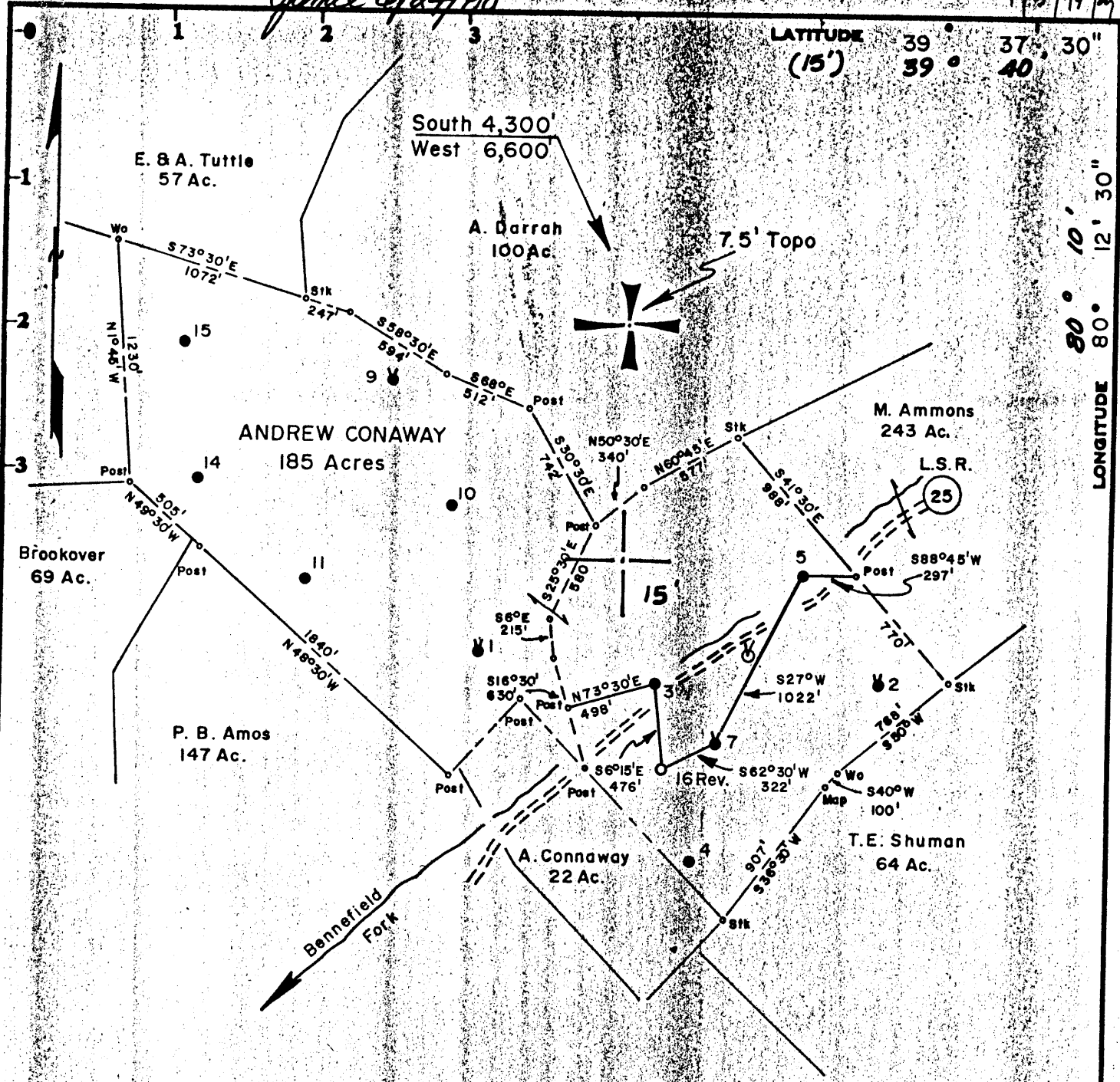


Jamie 6/24/88

1/5/1988



LATITUDE 39° 37' 30" (15') 39° 40'

LONGITUDE 80° 10' 30" 80° 12' 30"

Surface- JARVIS CONAWAY FAIRVIEW, W. VA.

Coal- Eastern Associated Coal Co. Pittsburgh, Pa.

Minimum Error of Closure 1 in 200

Source of Elevation A. Conaway #3, elevation 1079.47 Floor

Liquid Inv - 9/9/81

Fracture.....

New Location..... REVISED

Drill Deeper.....

Abandonment..... - 6/30/88

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. N 62 E Squares: N 11-12 S E 22 W

Company PENNZOIL COMPANY

Address P. O. Box 1588, Parkersburg, W. Va. 26101

Farm ANDREW CONAWAY

Tract _____ Acres 185 Lease No. 6907-50

Well (Farm) No. 16 REV. Serial No. _____

Elevation (Spirit Level) 1175.49

Quadrangle GRANT TOWN 7.5', *Blacksville 15'*

County MONONGALIA District CLAY

Surveyor CURTIS A. LUCAS

Surveyor's Registration No. 275

File No. 920 Drawing No. _____

Date 1-4-79 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. 47-061-0572 - *Li-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.

JUL 1 1988

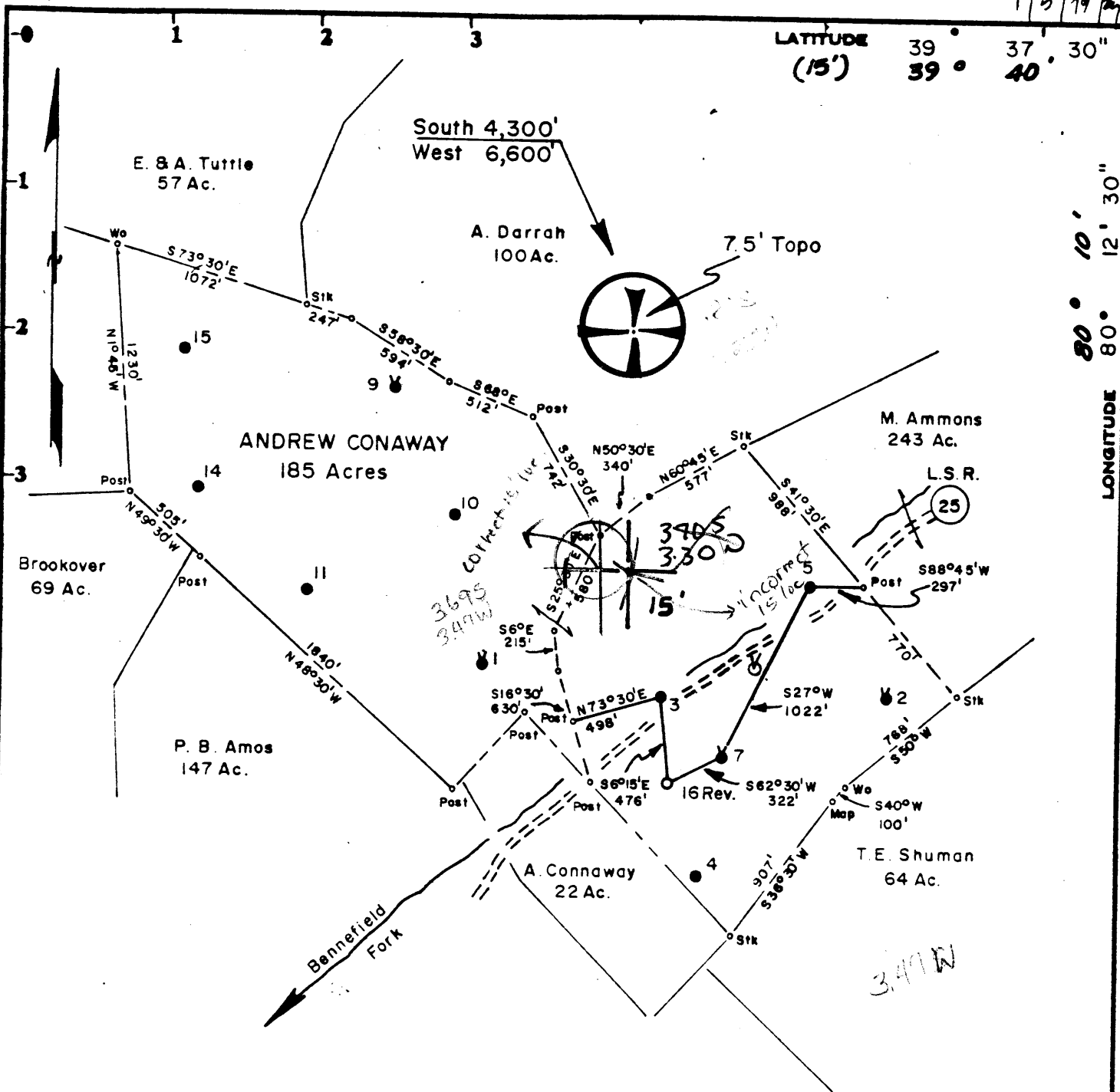
21 65' - Big Injun

BRUNING 44-131 27198

1/5/1981

LATITUDE 39° 37' 30" (15') 39° 40' 30"

LONGITUDE 80° 10' 30" 80° 12' 30"



Surface- JARVIS CONAWAY FAIRVIEW, W. VA.

Coal- Eastern Associated Coal Co. Pittsburgh, Pa.

Minimum Error of Closure 1 in 200

Source of Elevation A. Conaway #3, elevation 1079 47 Floor

Liquid Ins - 9/9/81

- 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 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. N 62E Squares: N 11-12 S E 22 W

Company	PENNZOIL COMPANY
Address	P. O. Box 1588, Parkersburg, W. Va. 26101
Farm	ANDREW CONAWAY
Tract	Acres 185 Lease No. 6907-50
Well (Farm) No.	16 REV. Serial No. _____
Elevation (Spirit Level)	1175.49
Quadrangle	GRANT TOWN 7.5' <i>Blacksville 15' WC</i>
County	MONONGALIA District CLAY
Surveyor	CURTIS A. LUCAS
Surveyor's Registration No.	275
File No.	920 Drawing No. _____
Date	1-4-79 Scale 1" = 800'

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

WELL LOCATION MAP

FILE NO. **47-061-0572 - L1**

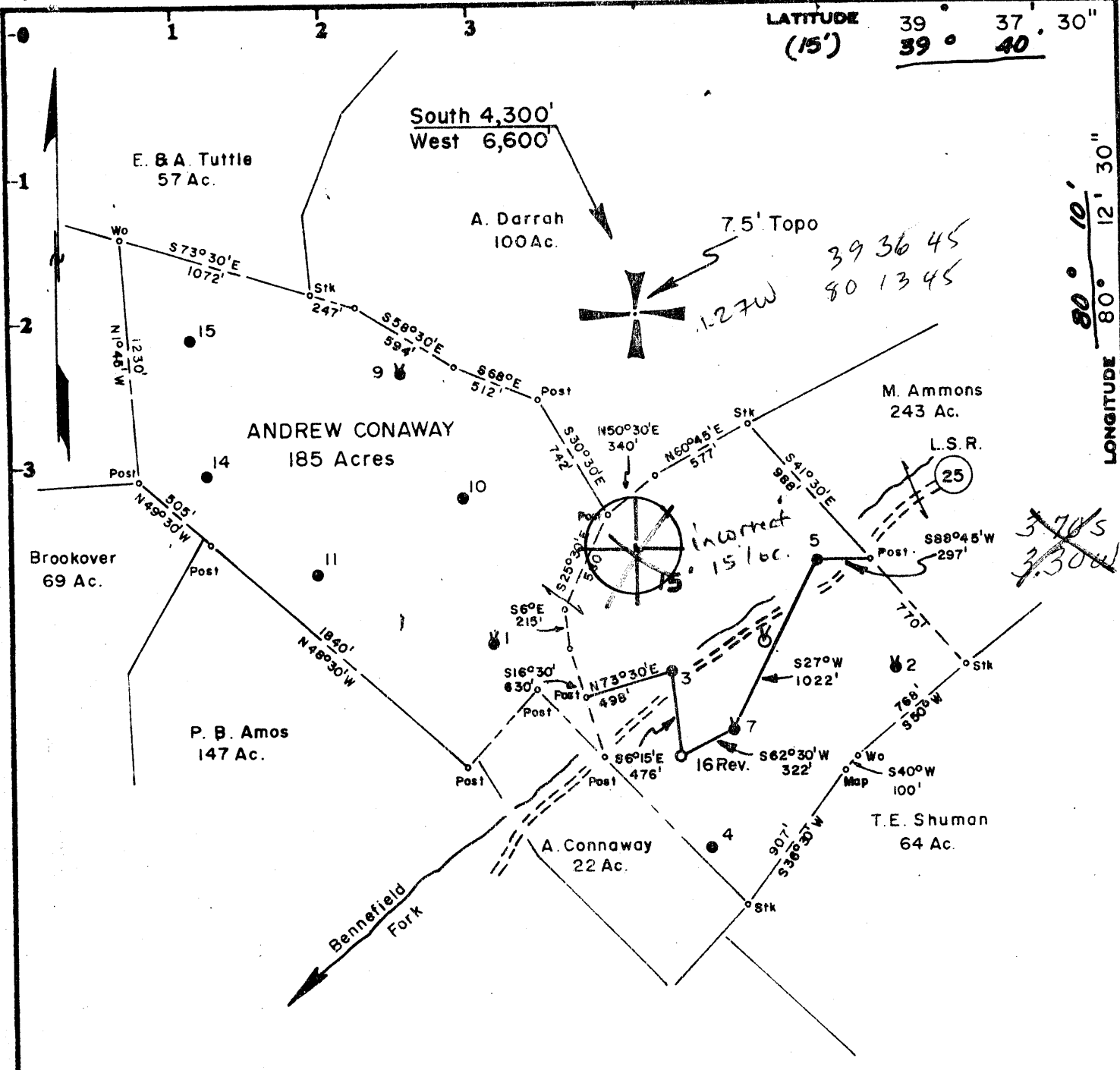
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

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

SEP 22 1981

BRUNING 44-131 27198

Lucas - Big Survey



Surface-
JARVIS CONAWAY
FAIRVIEW, W. VA.

Coal-
Eastern Associated Coal Co.
Pittsburgh, Pa.

Minimum Error of Closure 1 in 200

Source of Elevation A Conaway #3, elevation 1079.47 Floor

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 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. N 62 E Squares: N 11-12 S E 22 W

Company	PENNZOIL COMPANY		
Address	P. O. Box 1588, Parkersburg, W. Va. 26101		
Farm	ANDREW CONAWAY		
Tract	Acres	185	Lease No. 6907-50
Well (Farm) No.	16 REV.	Serial No.	
Elevation (Spirit Level)	1175.49	WC	
Quadrangle	GRANT TOWN 7.5', <i>Blacksville 15'</i>		
County	MONONGALIA	District	CLAY
Surveyor	CURTIS A. LUCAS		
Surveyor's Registration No.	275		
File No.	920	Drawing No.	
Date	1-4-79	Scale	1" = 800'

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

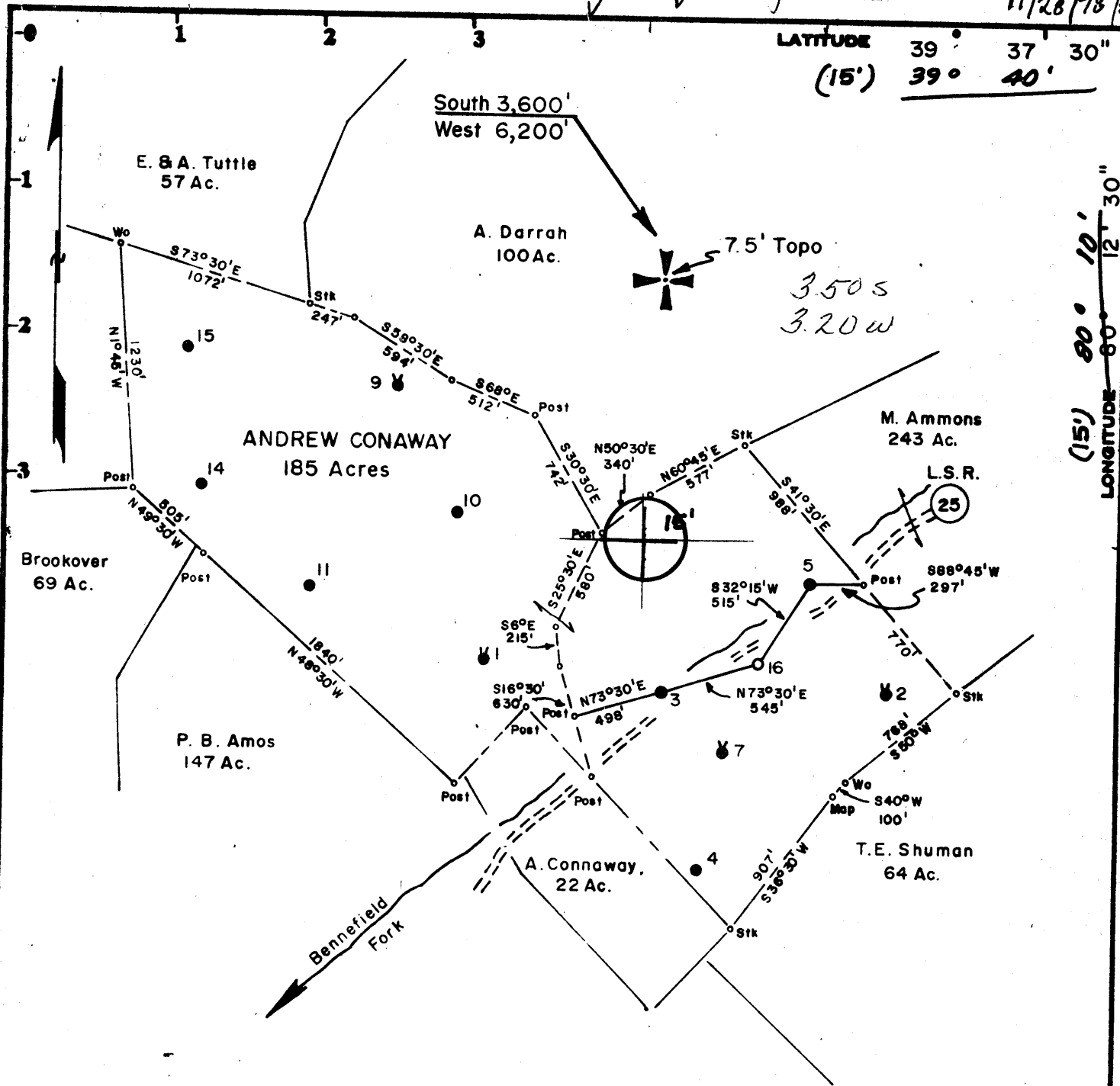
WELL LOCATION MAP

FILE NO. **47-061-0572-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.

BRUNING 44-131 27198



LATITUDE 39° 37' 30" (15') 39° 40'

LONGITUDE 80° 10' 12" 30"

Surface-
Bobby Joe Yost
Fairview, W.Va.

Minimum Error of Closure 1 in 200

Source of Elevation A. Conaway #3, elevation 1079.47 Floor

- 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. N 62E Squares: N 11-12 S E 22 W

Company	PENNZOIL COMPANY
Address	P. O. Box 1588, Parkersburg, W. Va. 26101
Farm	ANDREW CONAWAY
Tract	Acres 185 Lease No. 6907-50
Well (Farm) No.	16 Serial No.
Elevation (Spirit Level)	1110.05 WC
Quadrangle	GRANT TOWN 7.5' BLACKBULL LE 15'
County	MONONGALIA District CLAY
Surveyor	CURTIS A. LUCAS
Surveyor's Registration No.	275
File No.	920 Drawing No.
Date	11-27-78 Scale 1" = 800'

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

WELL LOCATION MAP
FILE NO. 47-061-0572

- + 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.
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BRUNING 44-131 27198

2100' Big Injun

DEC 28 1978

Date: Aug. 25, 19 81

Operator's Well No. Andrew Conaway No. 16
API Well No. 47-061-0572 -21
State County Permit

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

PRE-OPERATION CERTIFICATE
FOR LIQUID INJECTION OR WASTE DISPOSAL WELL

WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews
Address P. O. Box 1588 Address P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION Big Injun Depth 2044 feet(top) to 2086 feet(bottom)
Virgin reservoir pressure in target formation 900 psig
Source of information on virgin reservoir pressure Calculated-Depth x fresh water gradient
Perforation intervals (2046-50) 2075-84 Open-hole intervals --

MAXIMUM PROPOSED INJECTION OPERATIONS
Volume per hour: 30 Bottom hole pressure: 2000 psig

DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED
Liquids to be injected for oil recovery under Code § 22-4-10a: Fresh water
Wastes to be disposed of: Produced water from waterflood operations to be reinjected.

Additives (slurry mediums, inhibitors, solvents, oxidizers, deoxidizers, etc.):
Bacteriacide

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL NONE

FILTERS (IF ANY) Cartridge Filter at Injection Plant.

ADDITIONAL DRILLING AS PART OF THE CONVERSION
(Complete and submit Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change".)

DETAILS ON NEW CASING AND TUBING PROGRAM AS PART OF THE CONVERSION:
(To be completed below unless the new casing and tubing program is described on a Form IV-35, "Well Operator's Report of Drilling, Fracturing and/or Stimulating or Physical Change", submitted in connection with the permit to which this Form IV-37 pre-operation certificate relates.)

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									Sizes
Coal									Depths set
Intermediate									Perforations:
Production									Top Bottom
Tubing									
Liners									

(Continue on reverse side)

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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[03-81]

MECHANICAL INTEGRITY TEST

Test method: _____

The undersigned certifies that the test above was made
on _____, 19____, and demonstrated the
mechanical integrity of the well. The above test will
be performed again within ninety (90) days of five
years from this date and certified to the office.

FACILITIES OR SYSTEMS TO PROTECT THE
INTEGRITY OF THE GEOLOGICAL TARGET
FORMATION FRACTURING THE CONFINING STRATA _____

APPLICATION FOR VARIANCE (IF ANY) FROM REGULATION 9 01(a)
[Specify purpose, necessity, and justification]

Pennzoil Company
Well Operator

By: Curtis A. Lucas
Curtis A. Lucas
Its Supervisor, Surveying & Mapping



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 11

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 AUG 01 1979
 OIL & GAS DIVISION
 DEPT. OF MINES

Quadrangle Grant Town 7.5'
 Permit No. 47-061-0572-Rev.

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

Company <u>Pennzoil Company</u>	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>Andrew Conaway</u> Acres <u>185</u>	26101			
Location (waters) <u>Bennefield Prong of Paw Paw Crk</u>	Size			
Well No. <u>16</u> Elev. <u>1175.49'</u>	20-16			
District <u>Clay</u> County <u>Monongalia</u>	Cond.			
The surface of tract is owned in fee by <u>Jarvis Conaway</u>	13-10"			
Address <u>Fairview, WV 26570</u>	9 5/8			
Mineral rights are owned by <u>Appalachian Royalties</u>	8 5/8	746	746	300 sks.
Address <u>P.O. Dr. 1917, Clarksburg, WV</u>	7			
Drilling Commenced <u>1-19-79</u>	5 1/2			
Drilling Completed <u>1-28-79</u>	4 1/2	2174'	2174'	75 sks.
Initial open flow _____ cu. ft. _____ bbls.	3			
Final production _____ cu. ft. per day _____ bbls.	2			
Well open _____ hrs. before test _____ RP.	Liners Used			

Well treatment details:

Attach copy of cementing record.

WIW Core hole will complete at a later date

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 & Silt			0	195		
Sand & Silt			195	634		
Pittsburgh Coal			634	642		
Shale & Silt			642	735		
Sand			735	758		
Silt & Shale			758	1034		
Sand			1034	1056		
Shale			1056	1120		
Sand			1120	1172		
Shale			1172	1224		
Sand			1224	1254		
Silt & Shale			1254	1400		
Sand			1400	1464		
Shale			1464	1532		
Sand			1532	1645		
Silt & Shale			1645	1836		
Little Lime			1836	1849		
Pencil Cave			1849	1868		
Big Lime			1868	1942		
Loyal Hanna			1942	2012		
Big Injun			2012	2126		
Oil Show			2044	2054		
Oil Show			2068	2086		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Pocono Shale			2126	2179		
Total Depth				2175		

Date July 30 19 79

APPROVED PENNZOIL COMPANY Owner

By Curtis A. Lucas
(Chk.) Eng. Dept.

August 25, 1981

Operator's Well No. Andrew Conaway No. 16
API Well No. 47-061-0572 - 2/
State County Permit

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

LIQUID INJECTION OR WASTE DISPOSAL WELL PERMIT APPLICATION

WELL TYPE: Liquid Injection X / Waste Disposal /
LOCATION: Elevation: 1175.49 Watershed: Bennefield Prong
District: Clay County: Monongalia Quadrangle: Granttown 7.5'
GEOLOGICAL TARGET FORMATION: Big Injun Approximate depth 2175 feet
Virgin reservoir pressure in target formation 900 psig (surface measurement)
Source of information on virgin reservoir pressure Calculated

WELL OPERATOR Pennzoil Company
Address P. O. Box 1588
Parkersburg, WV 26101

DESIGNATED AGENT James A. Crews
Address P. O. Box 1588
Parkersburg, WV 26101

ROYALTY OWNER Appalachian Royalties
Address P. O. Drawer 1917
Clarksburg, WV
Acreage 185

COAL OPERATOR Eastern Associated Coal Corp.
Address Granttown, WV

SURFACE OWNER Jarvis Conaway
Address Fairview, WV
Acreage

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name
Address
Name
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser
Address Colfax, WV

COAL LESSEE WITH DECLARATION ON RECORD:
Name
Address

The undersigned well operator is entitled to operate for liquid injection or waste disposal purposes at the above location under a deed / lease X / other contract / dated April 24, 1989, to the undersigned well operator from Andrew Conaway

[If said deed, lease, or other contract has been recorded:]
Recorded on , 19 , in the office of the Clerk of the County Commission of Monongalia County, West Virginia, in Lease Book 26 at page 362. A permit is requested as follows:

PROPOSED WORK: Convert X / Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

Date of first liquid injection or waste disposal: , 19

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within thirty (30) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
REPHYSICAL LOSS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1415 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (800) 343-3092

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AUG 26 1981

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Pennzoil Company
Well Operator
By Curtis A. Lucas
Curtis A. Lucas
Supervisor, Surveying & Mapping

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED IN
FORM IV-35 AND/OR FORM IV-37 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) _____

Address _____

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2178 feet Rotary / Cable tools _____

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

Approximate coal seam depths: 634 Is coal being mined in the area? Yes / No _____

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		Top	Bottom
Conductor										Kinds
Fresh water										
Coal	8 5/8	H40	20	X		746	746	300 <i>CTS</i>		Depths set
Intermediate										
Production	4 1/2	J55	9.5	X		2174	2174	<i>217 SKs for into salt sand</i>		Perforations:
Tubing										
Liners										
										2046 2050
										2075 2084

NOTE 1: Regulation 7.03 of the Department of Mines provides that the original and four copies of Form IV-3 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2a, (iii) unless previously paid on the same well, the fee required by Code § 22-4-12a, (iv) Form IV-3, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, and (v) if applicable, the consent required by Code § 22-4-2a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-3 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-3 filed in connection therewith.

NOTE 2: In addition to the permit required from the Department of Mines, the operator of a disposal well must obtain a separate permit from the Department of Natural Resources under the provisions of Code § 20-5A-5(b)(7).

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 Liquid injection. This permit shall expire if operations have not commenced by 5-9-82.

J. J. Hargrett
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-30, if the permit is to be issued within thirty (30) days of receipt thereof:

W A I V E R

The undersigned coal operator _____ / owner _____ / lessee _____ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19____

By _____
Its _____

Hargrett



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 11 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 January 4, 1979

Surface Owner Jarvis Conaway

Company PENNZOIL COMPANY

Address Fairview, WV 26570

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

Mineral Owner Appalachian Royalties, Inc.

Farm Andrew Conaway Acres 185

Address P. O. Drawer 1917, Clarksburg, WV 26301

Location (waters) Bennefield Prong of Paw Paw Creek

Coal Owner _____

Well No. 16 Elevation 1175.49'

Address _____

District Clay County Monongalia

Coal Operator Eastern Associated Coal Corp.

Quadrangle Grant Town Qd. 7.5'

Address Koppers Building

Pittsburgh, Pa. 15219

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 9-8-79.

INSPECTOR William Blosser

TO BE NOTIFIED _____

ADDRESS Colfax, W.Va.

PHONE 368-9105

Ruth Edd
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 April 24, 1889 ~~19xx~~ by Andrew Conaway made to T. H. Jackson & Co. and recorded on the _____ day of _____ 19____, in _____ County, Book 26 Page 362
 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 Eng. 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

47-061-0572-REV.

PERMIT NUMBER

[Handwritten signature]

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Clint Hurt & Assoc. NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, WEST VIRGINIA 2610
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 2165' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL 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	705'	705'	Cement to surface
7			
5 1/2			
4 1/2	2165'	2165'	50 sks. cement
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTH Pittsburgh Coal 633'
 IS COAL BEING MINED IN THE AREA? yes BY WHOM? Eastern Associated Coal

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



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 28 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 November 27, 1978

Surface Owner Bobby Joe Yost

Company PENNZOIL COMPANY

Address Fairview, WV 26570

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

Mineral Owner Appalachian Royalties, Inc.

Farm Andrew Conaway Acres 185

Address P. O. Drawer 1917, Clarksburg, WV 26301

Location (waters) Bennefield Prong of Paw Paw Creek

Coal Owner _____

Well No. 16 Elevation 1110.05'

Address _____

District Clay County Monongalia

Coal Operator Eastern Associated Coal Co.

Quadrangle Grant Town 7.5'

Address Koppers Bldg.

Pittsburgh, Pa. 15219

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

INSPECTOR William Blosser
TO BE NOTIFIED

for drilling. This permit shall expire if

ADDRESS Colfax, W. Va.

operations have not commenced by 4-13-79

PHONE Fairmont 363-9105

Robert H. Bell
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 April 24, 1889 ~~19~~ ~~xxxx~~ by Andrew Conaway made to T. H. Jackson & Co. and recorded on the _____ day of _____ 19____, in _____ County, Book 26 Page 362

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:

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

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

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

47-061-0572 PERMIT NUMBER

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

PROPOSED WORK ORDER TO DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Pennzoil Company
 ADDRESS _____ ADDRESS Parkersburg, West Virginia 26101
 TELEPHONE _____ TELEPHONE 422-6565
 ESTIMATED DEPTH OF COMPLETED WELL: 2100' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Big Injun
 TYPE OF WELL: OIL 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	640'	640'	Cement to surface
7			
5 1/2			
4 1/2	2100'	2100'	50 sks. cement
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS Pittsburgh Coal 568'
 IS COAL BEING MINED IN THE AREA? yes BY WHOM? Eastern Associated Coal

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: CONAWAY, JARVIS Operator Well No.: CONAWAY 16

LOCATION: Elevation: 1175.49 Quadrangle: GRANT TOWN
District: CLAY County: MONONGALIA
Latitude: 4300 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 6600 Feet West of 80 Deg. 12 Min. 30 Sec.

Company: R. L. Wharton Ltd., dba Ross & Wharton Gas Coal Operator
9 1/2 Franklin St. or Owner
Buckhannon, WV 26201

Agent: Mike Ross Coal Operator
Inspector: Donald Ellis or Owner
Permit Issued: 06/30/88

RECEIVED
AUG 15 1988

AFFIDAVIT

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

STATE OF WEST VIRGINIA,
County of Upshur ss:

Larry Helmick and Thearl Clutter being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by R. L. Wharton Ltd., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 28th day of July, 1988, and that the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Cement	2175	2000	755 of 4"	1319
Gel	2000	0	0 of 8"	746
Cement	855	700		

Description of monument: 8" casing 30" above ground, vented

and that the work of plugging and filling said well was completed on the 2nd day of August, 1988.

And further deponents saith not.

Larry P Helmick
Thearl Clutter
Ilene Murray
Notary Public
AUG 22 1988

Sworn and subscribed before me this 11 day of August, 1988.
My Commission Expires 11-3-93

