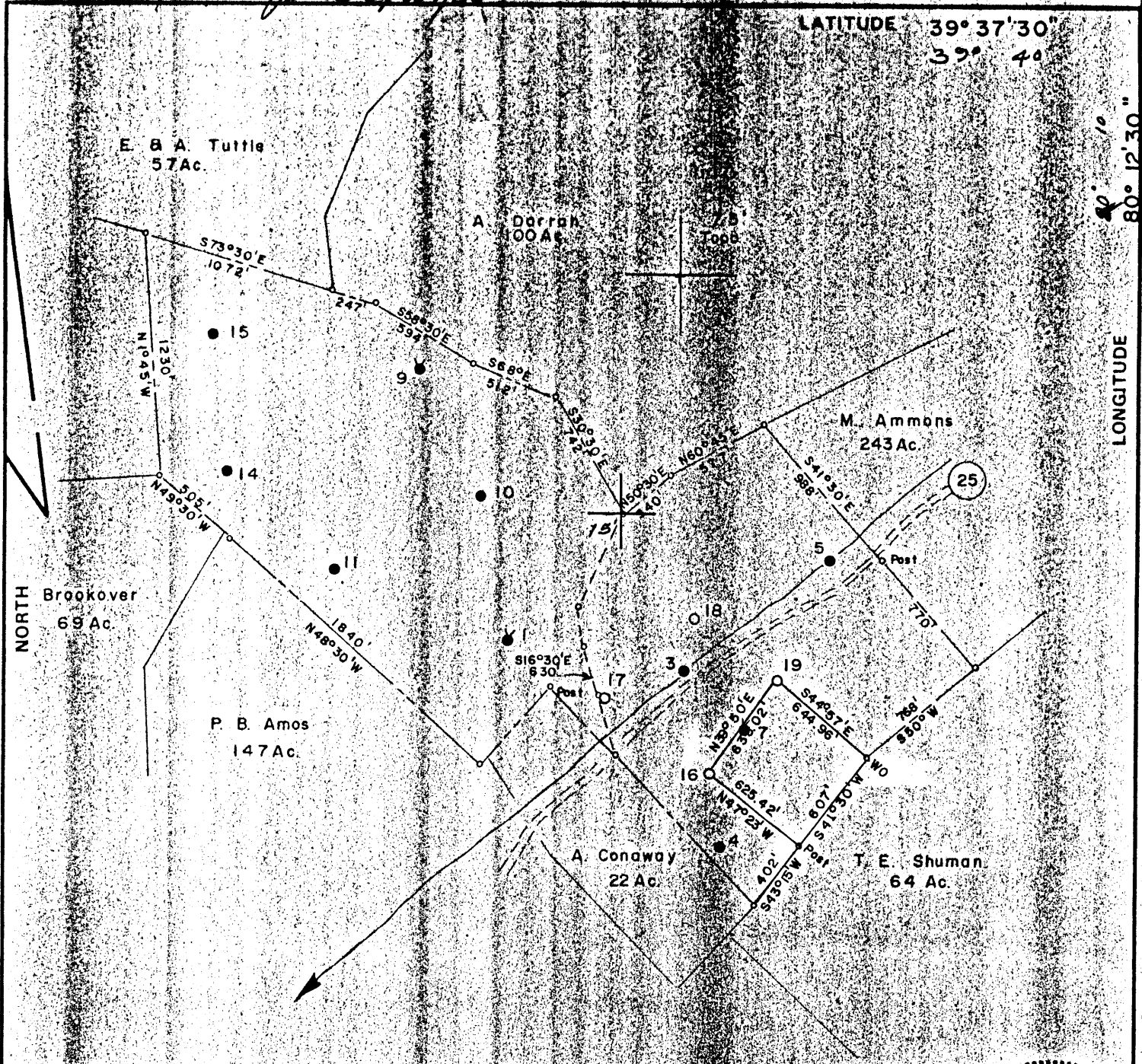


7/21 Jamie 6/24/88

6300

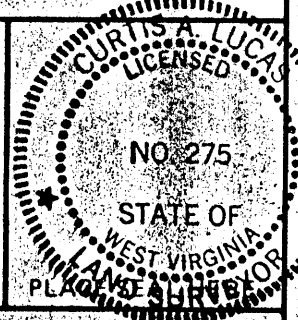
LATITUDE 39° 37' 30"
39° 40'

LONGITUDE 80° 12' 30"
80° 10'



FILE NO 920
 MAP 62E SQS N11-12 E22
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 5000
 PROVEN SOURCE OF ELEVATION A. Conway 3, Elev. 1079.47 FI.

I THE UNDERSIGNED HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)

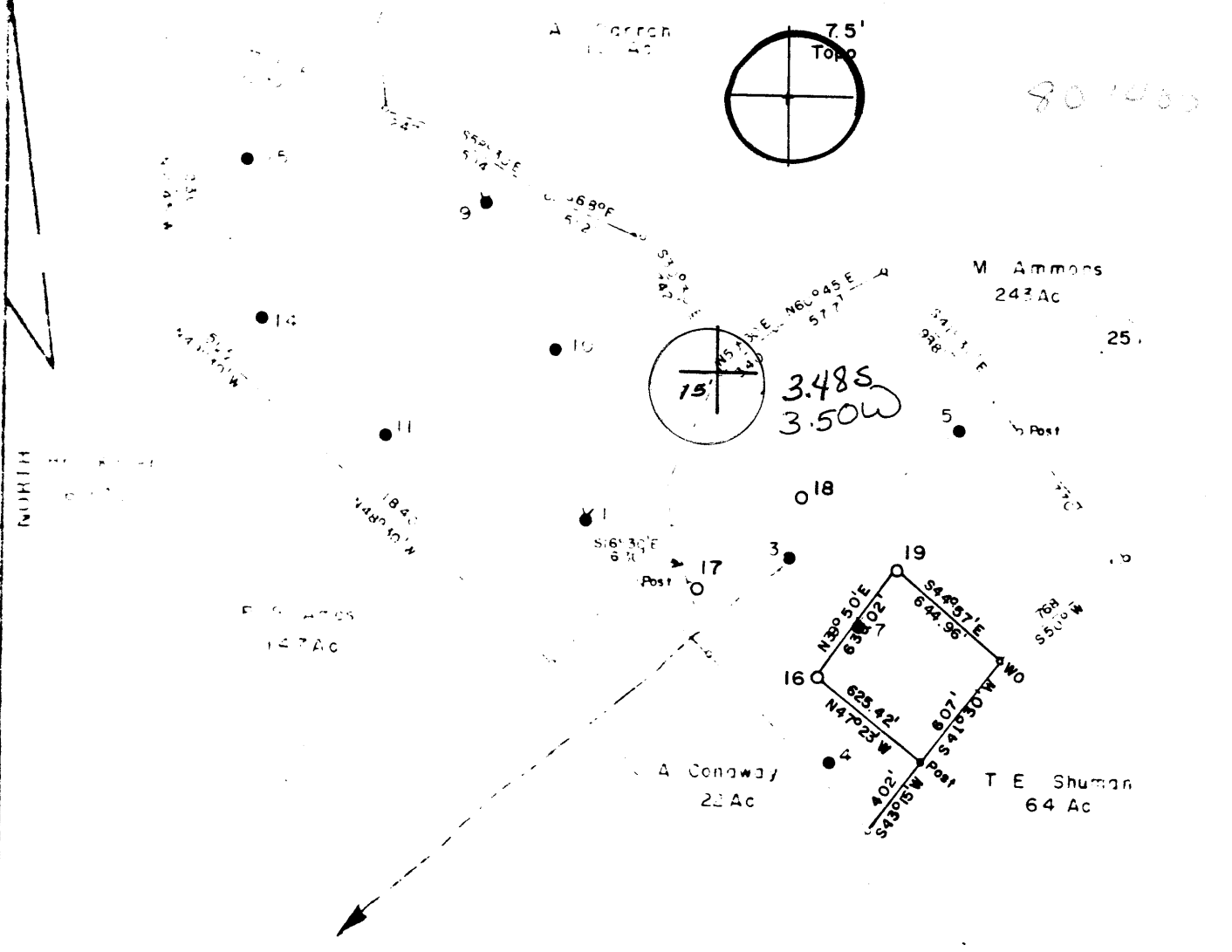


DATE Aug. 25 19 81
 FARM Andrew Conway NO. 19
 API WELL NO. 47-061-0629-211P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1126.93 WATER SHED Bennefield Frong
 DISTRICT Clay COUNTY Monongalia
 QUADRANGLE Grant Town 7.5'
 SURFACE OWNER BOBBY JOE YOST ACREAGE 1.87
 OIL & GAS ROYALTY OWNER APPALACHIAN ROYALTIES LEASE ACREAGE 1.85
 LEASE NO. 6907-50
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2122'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P. O. BOX 1588 ADDRESS P. O. BOX 1588
PARKERSBURG, W. V. 26101 PARKERSBURG, W. V. 26101

JUL 1 1981



FILE NO 320
 MAP 2E SQS N11-12 E22
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 5000
 PROVEN SOURCE OF ELEVATION A. Conway 3, Elev. 1079.47 Ft.

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES
 (SIGNED) Curtis A. Lucas
 CURTIS A. LUCAS LLS 275

PLACE SEAL HERE.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV 6 (8 78)



DATE Aug. 25 19 81
 FARM Andrew Conway NO. 19
 API WELL NO 47-061-0629-21
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION ELEVATION 1126.93 WATER SHED Bennefield Frong
 DISTRICT Clay COUNTY Monongalia
 QUADRANGLE Grant Town 7.5' Blacksville 15' WC
 SURFACE OWNER BOBBY JOE YOST ACREAGE 1.87
 OIL & GAS ROYALTY OWNER APPALACHIAN ROYALTIES LEASE ACREAGE 185
 LEASE NO. 6907-50 8-0 FAIRVIEW STATLER RUN
 PROPOSED WORK DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH 2122'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P. O. BOX 1588 ADDRESS P. O. BOX 1588
PARKERSBURG, W. V. 26101 PARKERSBURG, W. V. 26101

SEP 28 1981
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APR 30 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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 Granttown 7.5'

Permit No. 47-061-0629-Li

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 26101</u>				
Farm <u>Andrew Conaway</u> Acres <u>185</u>	Size			
Location (waters) <u>Bennefield Prong</u>	<u>20-16</u>			
Well No. <u>19</u> Elev. <u>1126.93</u>	Cond.			
District <u>Clay</u> County <u>Monongalia</u>	<u>13-10"</u>			
The surface of tract is owned in fee by <u>Bobby Joe Yost</u>	<u>9 5/8</u>			
Address <u>Fairview, WV</u>	<u>8 5/8</u>	<u>708</u>	<u>708</u>	<u>350 sks.</u>
Mineral rights are owned by <u>Appalachian Royalties</u>	<u>7</u>			
Address <u>P.O. Drawer 1917, Clarksburg</u>	<u>5 1/2</u>			
Drilling Commenced <u>9-24-81</u> WV	<u>4 1/2</u>	<u>2087</u>	<u>2087</u>	<u>50 sks.</u>
Drilling Completed <u>9-28-81</u>	<u>3</u>			
Initial open flow <u>WIW</u> 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: 1-29-82 w/250 gals. 15% HCL, 87 BGW, 1000# 20/40 sd.

Perf: 2016-2031/17H

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

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale			0	204		
Pittsburgh Coal			204	212		
Shale			212	490		
Pittsburgh Coal			490	501		
Shale			501	588		
Pittsburgh Coal			588	606		
Shale & Sand			606	1785		
Little Lime			1785	1814		
Big Lime			1814	1896		
Loyalhanna			1896	1968		
Pocono Big Injun			1968	2046		
Shale			2046	2089		
Total Depth				2089		

MAY 10 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks

Date Apr 29 1982

APPROVED Penn Oil Co Owner
Curtis A. Luman Supervisor, Surveying & Mapping

Date: August 25, 19 81

Operator's Well No. Andrew Conaway No. 19
API Well No. 47-061-629-21
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 Parkersburg, WV

GEOLOGICAL TARGET FORMATION Big Injun Depth 1997 feet(top) to 2042 feet(bottom)

Virgin reservoir pressure in target formation 900 psig
Source of information on virgin reservoir pressure Calculated

Perforation intervals _____ Open-hole intervals _____

MAXIMUM PROPOSED INJECTION OPERATIONS

Volume per hour: 30 bbl. 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.):
Bactericide

SPECIFICATIONS FOR CATHODIC PROTECTION AND OTHER CORROSION CONTROL _____

FILTERS (IF ANY) In line 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	8 5/8	H40	20	X		685	685	To surface	Depths set
Intermediate									Perforations:
Production	4 1/2	J55	9.5	X		2122	2122	75 sacks	Top Bottom
Tubing									
Liners									

(Continue on reverse side)

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

AUG 26 1981

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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: 1126.93 Watershed: Bennefield Prong
District: Clay County: Monongalia Quadrangle: Granttown
GEOLOGICAL TARGET FORMATION: Big Injun Approximate depth 1997 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

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

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

COAL OPERATOR Eastern Assoc. Coal Corp.
Address Granttown, WV

Acresage 185
SURFACE OWNER Bobby Joe Yost
Address Fairview, WV

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

Acresage 1.87
OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser
Address Colfax, WV

Name _____
Address _____

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, 1889, 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 _____ / Drill X / 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 LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 343-3092

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON
FORM IV-15 AND/OR FORM IV-17 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Clint Hurt & Assoc.
Address Charleston, WV

GEOLOGICAL TARGET FORMATION, Big Injun

Estimated depth of completed well, 2122 feet Rotary X / Cable tools _____
Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.
Approximate coal seam depths: _____ 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		
Conductor									Kinds
Fresh water									
Coal	8 5/8	H40	20	x		685	685	To surface	Sizes
Intermediate									
Production	4 1/2	J55	9.5	x				75 sacks or <i>into salt sand</i>	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE 1: Regulation 7.02 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-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, and (v) if applicable, the consents required by Code § 22-4-3a 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 § 30-5A-3(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 5-16-82

Fred W. Russell
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 § 22-4-20, 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 _____

[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 ENERGY
DIVISION OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVITE SHOULD BE IN TRIPLICATE, 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: YOST, BOBBY JOE Operator Well No.: CONAWAY 19

LOCATION: Elevation: 1126.93 Quadrangle: GRANT TOWN
District: CLAY County: MONONGALIA
Latitude: 3250 Feet South of 39 Des. 37 Min. 30 Sec.
Longitude 6300 Feet West of 80 Des. 12 Min. 30 Sec.

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

Coal Operator _____
or Owner _____

Agent: Mike Ross
Inspector: Donald Ellis
Permit Issued: 06/30/88

Coal Operator _____
or Owner _____



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Upshur ss:

LARRY HELMICK and THESE 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 _____, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 23 day of JULY, 1988, and that the well was plugged and filled in the following manner:

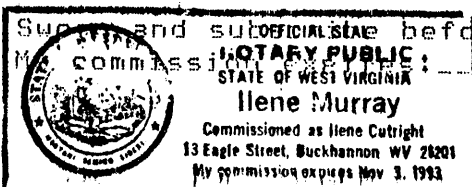
TYPE	FROM	TO	PIPE REMOVED	LEFT
CEMENT	2089	1900	4 1/2" 814 FT	1273
GEL	1900	0	8"	708
CEMENT	814	714		

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

and that the work of plugging and filling said well was completed on the 28 day of JULY, 1988.

And further deponents saith not.

Larry Helmick AUG 22 1988
These Clutter
Irene Murray
Notary Public



Sworn and subscribed before me this 11 day of August, 1988
Notary Public: _____
My Commission Expires 11-3-93