

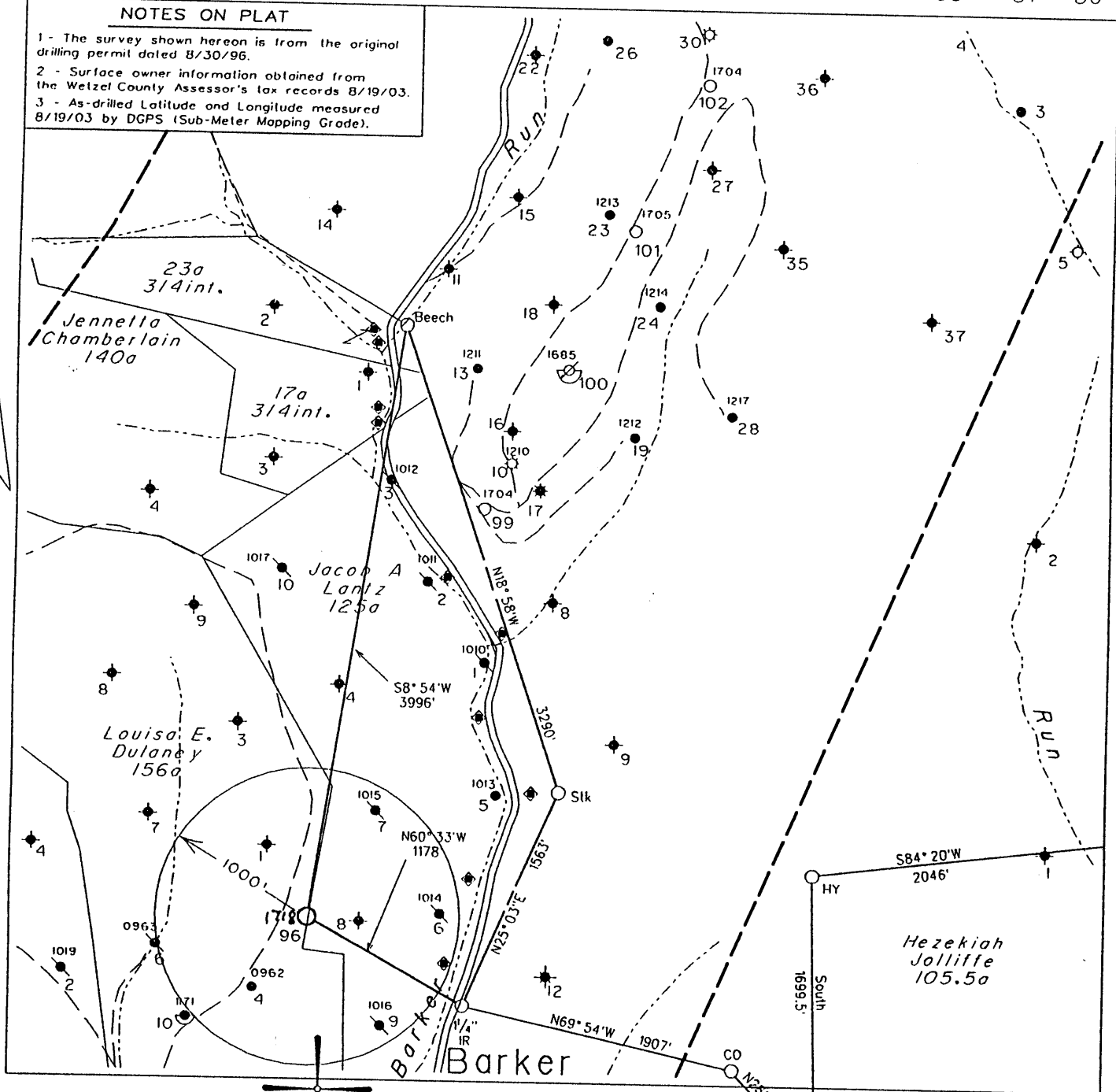
Longitude = 80° 39' 48.5"

10,825'

LATITUDE 39° 37' 30"

NOTES ON PLAT

- 1 - The survey shown hereon is from the original drilling permit dated 8/30/96.
- 2 - Surface owner information obtained from the Wetzel County Assessor's tax records 8/19/03.
- 3 - As-drilled Latitude and Longitude measured 8/19/03 by DGPS (Sub-Meter Mapping Grade).



LONGITUDE 80° 37' 30"

15,050'

Latitude - 39° 35' 01.1"

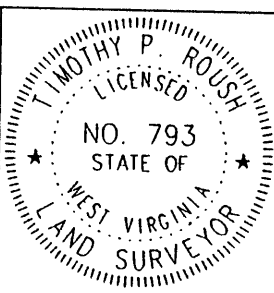
WET 1718 F

(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 1683
 MAP NO. N68 N 10 S E W 3
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM = 838'

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) [Signature]
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 1356 Hansford St.
 Charleston, West Virginia 25301



DATE August 20, 2003
 FARM L.E. Dulaney NO. 96
 API WELL NO. 47-103-01718F

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,198' WATERSHED North Fork of Fishing Creek
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Pine Grove 7.5'

SURFACE OWNER Robert L. Mott ACREAGE 49.17 Ac.
 OIL & GAS ROYALTY OWNER Robert B. Myers et al. LEASE ACREAGE 156 Ac.
 LEASE NO. 31950-50

PROPOSED WORK: DRILL 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 Gordon ESTIMATED DEPTH 3,178'

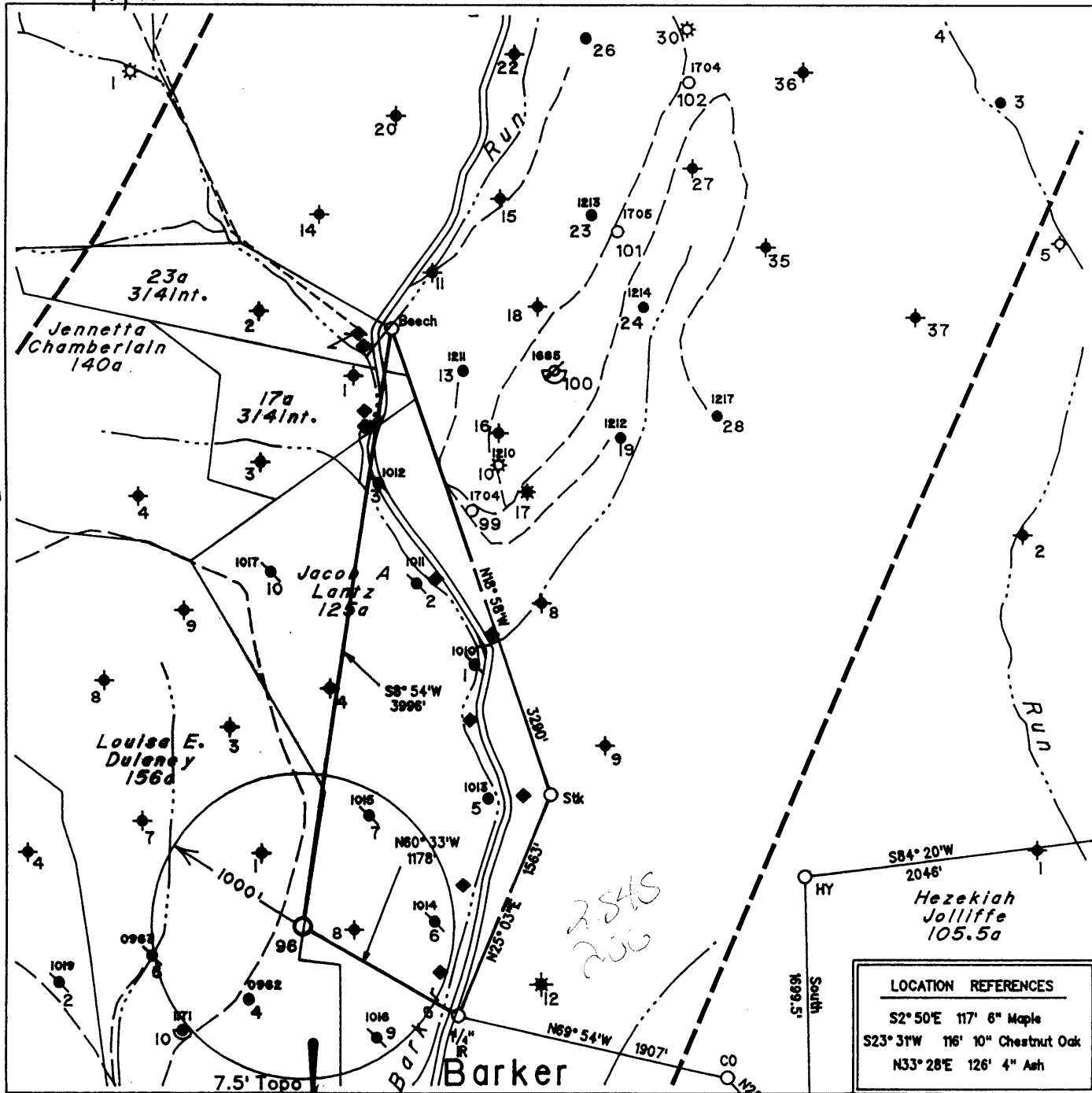
WELL OPERATOR East Resources, Inc. DESIGNATED AGENT Michael McCown
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 Vienna, W.Va. 26105

SEP 1 2 2003

Pine Grove Comp. Plan 40

GS 9/9/96

LATITUDE 39° 37' 30"



LONGITUDE 80° 37' 30"

15,000'

Note: All known water supply sources within 1000' of proposed well are shown.

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

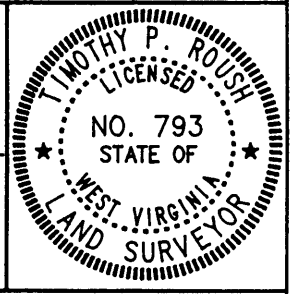
LOCATION REFERENCES	
S2° 50' E	117' 6" Maple
S23° 31' W	116' 10" Chestnut Oak
N33° 28' E	126' 4" Ash

◆ - Denotes a Water Supply Source

FILE NO. 1683
 MAP NO. N68 N 10 S E W 3
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM - 838'

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) Timothy P. Roush
 TIMOTHY P. ROUSH PS 793



STATE OF WEST VIRGINIA
 DIVISION OF ENERGY
 OIL AND GAS SECTION



DATE August 30, 19 96
 FARM L.E. Dulaney NO. 96
 API WELL NO. 47-103-01718-5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1198' WATERSHED North Fork of Fishing Creek
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Pine Grove

SURFACE OWNER Herbert Slaughter ACREAGE 47.17 Ac.
 OIL & GAS ROYALTY OWNER Robert B. Myers et al. LEASE ACREAGE 156 Ac.
 LEASE NO. 31950-50

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

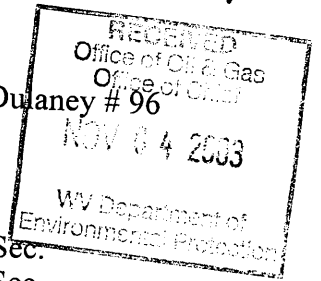
PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Gordon ESTIMATED DEPTH 3188'
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 Vienna, W.Va. 26105

007 0 1 1996
 8-0 40

FORM IV-6

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work



Farm name: Slaughter, Herbert & Hester
LOCATION: Elevation: 1,198.00
District: Grant
Latitude: 15,000 Feet south of
Longitude: 10,850 Feet west of

Operator Well No.: L. E. Dulaney # 96
Quadrangle: Pine Grove
County: WETZEL
39 Deg 37 Min 30 Sec.
80 Deg 37 Min 30 Sec.

Company: EAST RESOURCES, INC.
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: MICHAEL MCCOWN
Inspector: MIKE UNDERWOOD
Permit Issued: 09/08/03
Well work Commenced: 10/23/03
Well work Completed: 10/30/03

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1018.00'	1018.00'	430 sks
4 1/2"	3090.35'	3090.35'	275 sks

Verbal plugging permission granted on:
Rotary X Cable _____ Rig _____
Total Depth (feet) 3178'
Fresh water depths (ft) NA
Salt water depths (ft) NA
Is coal being mined in area (Y/N) N
Coal Depths (ft): 965-975

OPEN FLOW DATA Water Injection Well

Producing formation Gordon Pay zone depth (ft) 3048'-3064'

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 pressure) _____ after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

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 pressure) _____ after _____ Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: EAST RESOURCES, INC
By: [Signature]
Date: 11/3/03

NOV 14 2003

WET
17/8

Treatment :

Treated perforations 3052'-3056 w/ 250 gals 15% HCL, 315 Bbls cross linked gel and 20,100 # 20/40 sand

Well Log :

See original well record

WR-35

2-Oct-96
API # 47 -103- 1718

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

RECEIVED
Office of Oil & Gas
Office of Chief
MAR 16 1998
WV Division of
Environmental Protection

Well Operator's Report of Well Work

Farm name: Slaughter, Herbert & Hester
LOCATION: Elevation: 1,198.00
District: Grant
Latitude: 15,000 Feet south of
Longitude: 10,850 Feet west of

Operator Well No.: L.E. Dulaney #96
Quadrangle: Pine Grove
County: Wetzel
39 Deg 37 Min 30 Sec.
80 Deg 37 Min 30 Sec.

Company: PENNZOIL PRODUCTS COMPANY
P.O. BOX 5519
VIENNA, WV 26105-5519

Agent: PHILIP S. ONDRUSEK
Inspector: Randal Mick
Permit Issued: 10/2/96
Well work Commenced: 12/22/96
Well work Completed: 3/24/97
Verbal plugging permission granted on:
Rotary X Cable _____ Rig _____
Total Depth (feet) 3178'
Fresh water depths (ft) NA
Salt water depths (ft) NA
Is coal being mined in area (Y/N) N
Coal Depths (ft): 965-975

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	1018'	1018'	430 Sacks
4 1/2"	3090.35'	3090.35'	275 Sacks

OPEN FLOW DATA *Well was drilled as a waterflood injection well. No open-flow data was obtained

Producing formation Gordon Pay zone depth (ft) 3048-3064

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 pressure) after Hours

Second producing formation Pay zone depth (ft)

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 pressure) after Hours

NOTE: ON BACK OF THIS FORM, PUT THE FOLLOWING: 1) DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2) THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: PENNZOIL PRODUCTS COMPANY
By: [Signature]
Date: 3/13/98

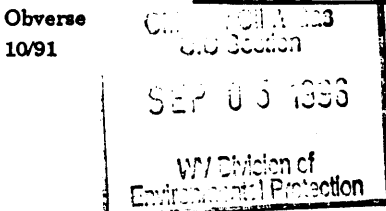
MAR 13 1998

WET 1718

Treatment : Perforations: 3052-3056 -4 holes/ft. (16 holes)
 Treatment: Treated via 4.5" Casing with 300 gals. 15% HCl, 202 bbls.
 Borate cross-linked gelled water and 9500 lbs. of 20/40 sand.

Well Log : TD = 3178'

Sand & Shale	0	-	742
Sand	742	-	934
Shale	934	-	965
Coal	965	-	975
Shale	975	-	1062
Sand	1062	-	1077
Shale	1077	-	1474
Sand	1474	-	1496
Shale	1496	-	1628
Sand	1628	-	1688
Shale	1688	-	1770
Sand	1770	-	1812
Shale	1812	-	1850
Sand	1850	-	1882
Shale	1882	-	2110
Big Lime	2110	-	2240
Big Injun	2240	-	2446
Shale	2446	-	3026
Sand	3026	-	3038
Shale	3038	-	3048
Gordon	3048	-	3064
Shale	3064	-	3178



1) Date August 29, 1996
 2) Well No. L.E. Dulaney No.96
 3) SIC Code _____
 4) API Well No. 47 - 103 - 1718-LI
 State County Permit
 5) UIC Code _____

Issued 10/02/96

STATE OF WEST VIRGINIA
 NOTICE OF LIQUID INJECTION OR WASTE DISPOSAL WELL WORK PERMIT APPLICATION
 for the
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

Expires 10/02/98

- WELL TYPE: Liquid Injection X Gas Injection _____ Waste Disposal _____
- LOCATION: Elevation 1198 Watershed North Fork of Fishing Creek
 District Grant County Wetzel 4 548
 Quadrange Pine Grove
- 8) WELL OPERATOR: Pennzoil Products Company 9) DESIGNATED AGENT: Philip S. Ondrusek
P.O. Box 5519 P.O. Box 5519
Vienna, WV 26105 Vienna, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED: 11) DRILLING CONTRACTOR:
 Name Randal Mick Name _____
 Address 111 Blackshere Drive Address _____
Mannington, WV 26582
- 12) PROPOSED WELL WORK: Drill X Drill Deeper _____ Redrill _____ Stimulate X
 Plug Off Old Formation _____ Perforate New Formation _____ Convert _____
 Other Physical Change in Well (specify) _____
- 13) Geological target formation Gordon 419 Depth 3088 Ft. (Top) to 3103 Ft. (Bottom)
- 14) Estimated depth of completed well (or actual depth of existing well) 3188 Ft.
- 15) Approximate water strata depths: Fresh 378 Ft. Salt 1498 Ft.
- 16) Approximate coal seam depths: 998 Ft.
- 17) Is coal being mined in the area? Yes X No
- 18) Virgin reservoir pressure in target formation: 1400 psig. Source Estimated
- 19) Estimated reservoir fracture pressure: 3500 psig.
- 20) Maximum proposed injection operations: Volume per hour 25 bbl Bottom Hole Pressure 2332 psig.
- 21) Detailed identification of materials to be injected, including additives: Fresh water, produced water, bactericides and other chemicals as needed to maintain water quality and improve oil recovery.
- 22) Filters (if any): Cartridge filters and/or coal bed filters
- 23) Specifications for cathodic protection and other corrosion control: _____

24) CASING AND TUBING PROGRAM:

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS	PACKERS
	Size	Grade	Weight	New	Used	For Drilling	Left in Well		
Conductor									Kinds
Fresh Water	8 5/8"	L.S.	20#	X		1048	1048	Cement To	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2"	J-55	10.5#	X		3188	3188	Cement Over	Depths Set
Tubing								Salt Sand	
Liners									Perforations
									Top Bottom

25) APPLICANTS OPERATING RIGHTS were acquired from Louisa E. & Edward Dulaney
 by Deed _____ Lease X Other Contract _____ Dated Jan. 3, 1999 of record in the
Wetzel County Clerk's Office in Lease Book 61 at Page 115

22662

