

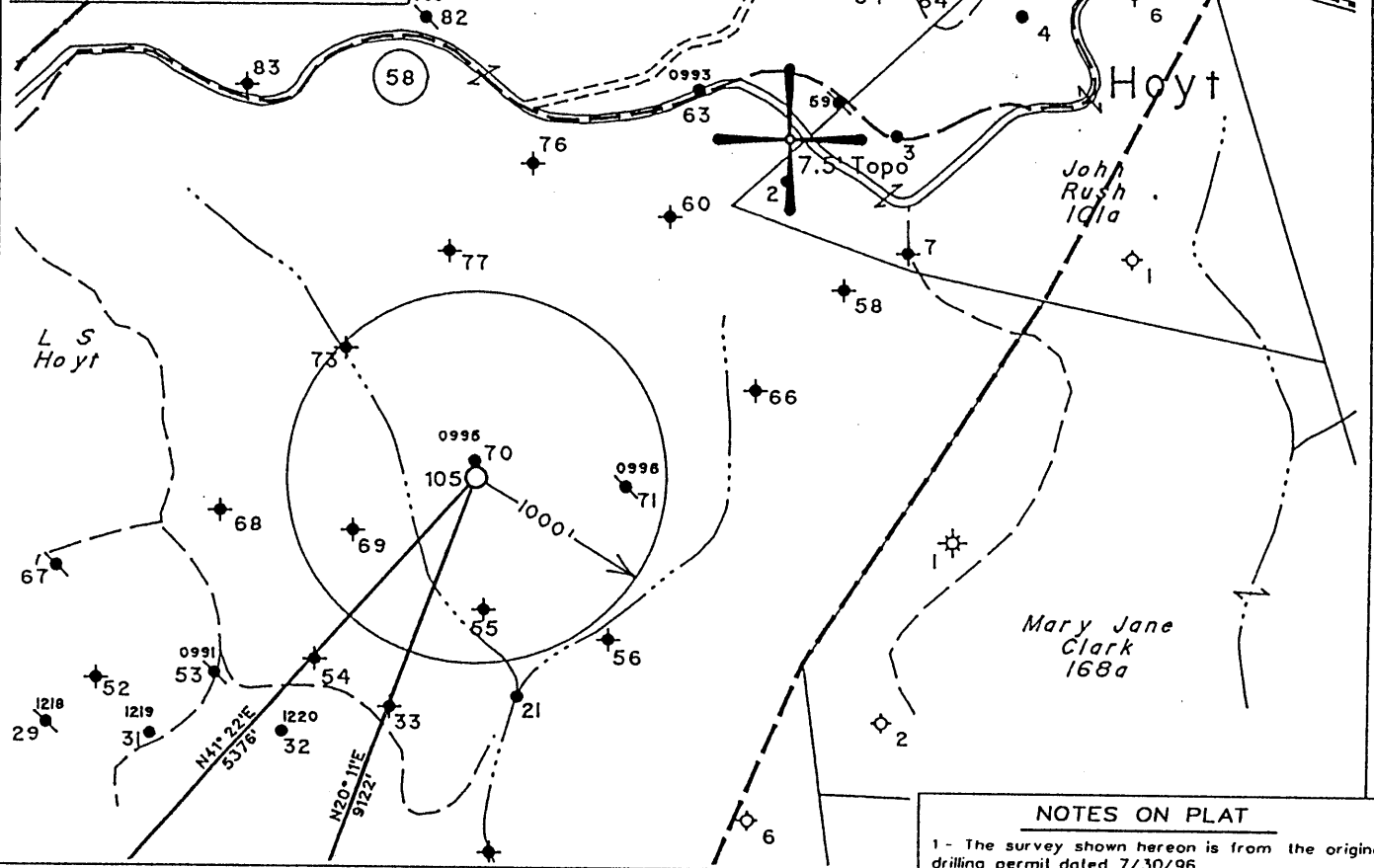
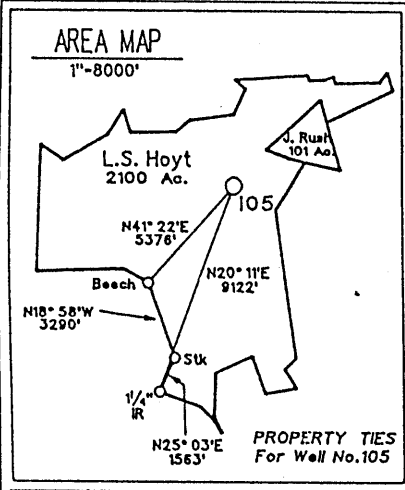
Longitude = 80° 38' 55.1"

6,650'

LATITUDE 39° 37' 30"

LONGITUDE 80° 37' 30"

Latitude - 39° 36' 19.8" Longitude - 80° 37' 10.0"




NOTES ON PLAT

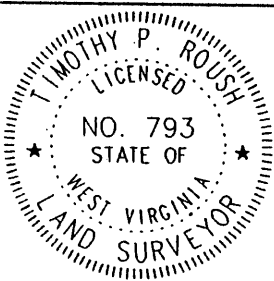
- 1 - The survey shown hereon is from the original drilling permit dated 7/30/96.
- 2 - Surface owner information obtained from the Wetzel County Assessor's tax records 4/3/03.
- 3 - As-drilled Latitude and Longitude measured 3/26/02 by DGPS (Sub-Meter Mapping Grade).

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

FILE NO. 325
 MAP NO. N68 N 11 S E W 2
 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 PS 793



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



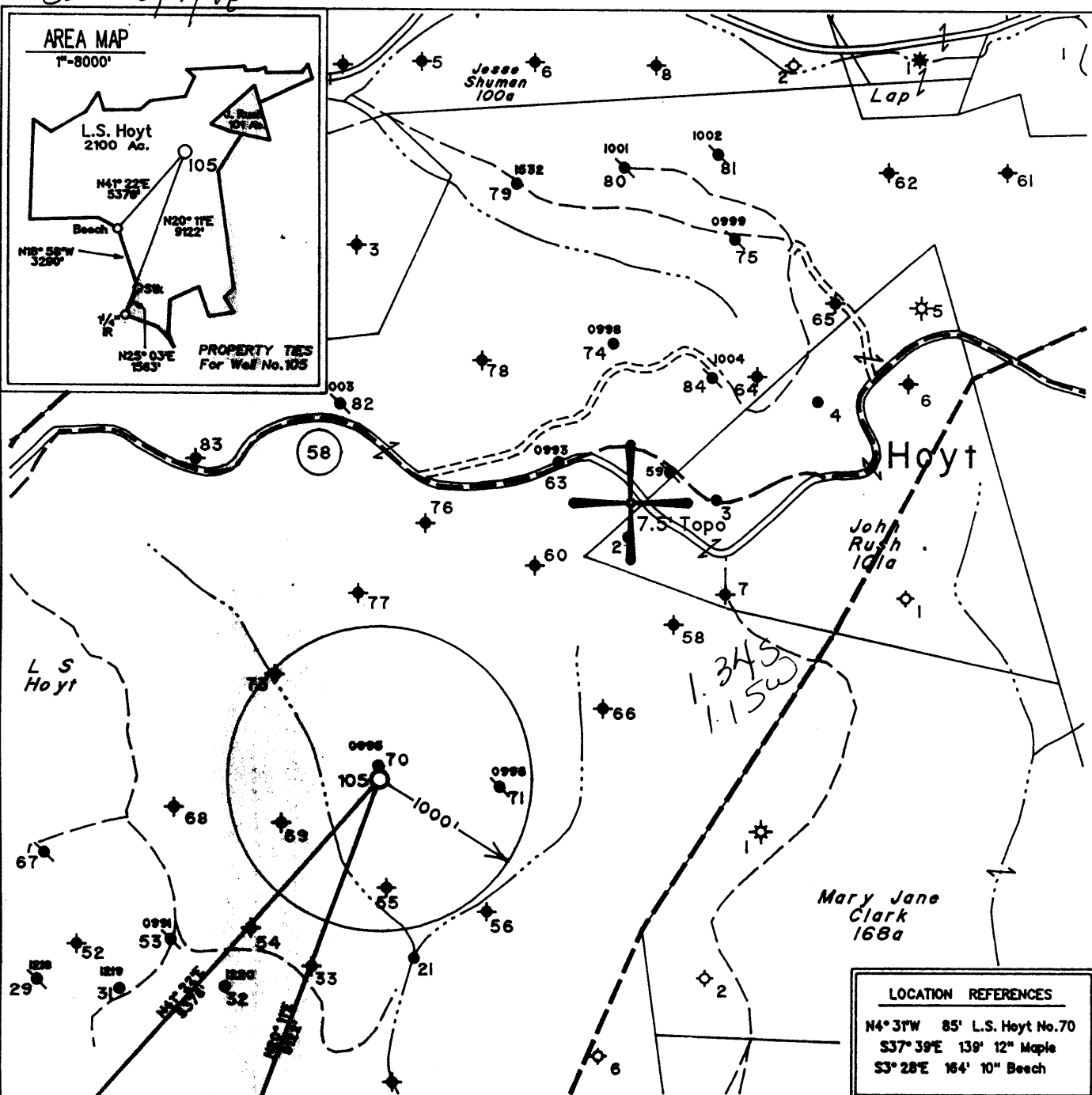
DATE April 7, 2003
 FARM L.S. Hoyt NO. 105
 API WELL NO. 47-103-01708-F

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,176' WATERSHED Betsy Run
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Pine Grove 7.5'
 SURFACE OWNER Dallison Lumber Inc. ACREAGE 2099.3 Ac.
 OIL & GAS ROYALTY OWNER The Hoyt Foundation LEASE ACREAGE 2100 Ac.
 LEASE NO. 52265-50
 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 3,208'
 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

8-0005

WET 1708 F

MS 8/7/96



Note: No Known Water Supply Sources Are Located Within 1000' Of Proposed Well

LOCATION REFERENCES
 N4° 31' W 85' L.S. Hoyt No. 70
 S37° 39' E 139' 12" Maple
 S3° 28' E 164' 10" Beech

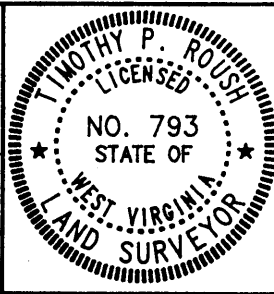
◆ - Denotes a Water Supply Source

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

FILE NO. 325
 MAP NO. N68 N 11 S E W 2
 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 July 30, 19 96
 FARM L.S. Hoyt NO. 105
 API WELL NO. 47-103-01708-5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1176' WATERSHED Betsy Run
 DISTRICT Grant COUNTY Wetzel
 QUAIL PANGLE Pine Grove

SURFACE OWNER Dallison Lumber Inc. ACREAGE 2099.3 Ac.
 OIL & GAS ROYALTY OWNER The Hoyt Foundation LEASE ACREAGE 2100 Ac.
 LEASE NO. 52265-50

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 3166'
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT Philip S. Ondrusek
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 4670 ADDRESS Vienna, W.Va. 26105

AUG 23 1996

8-0 400

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

Handwritten initials

Well Operator's Report of Well Work

Farm name: Dallison Lumber Co.
LOCATION: Elevation: 1,176.00
District: GRANT
Latitude: 7,050 Feet south of
Longitude: 6,650 Feet west of
Company: EAST RESOURCES, INC.
Agent: MICHAEL MCCOWN
Inspector: MIKE UNDERWOOD
Permit Issued: 04/25/03
Well work Commenced: 06/15/03
Well work Completed: 06/25/03
Rotary X Cable Rig
Total Depth (feet) 3,208
Fresh water depths (ft) NA
Salt water depths (ft) NA
Is coal being mined in area (Y/N) N
Coal Depths (ft): NA

Operator Well No.: L S HOYT 105
Quadrangle: PINE GROVE
County: WETZEL
39 Deg 37 Min 30 Sec.
80 Deg 37 Min 00 Sec.

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft.
Rows: 8 5/8" 1078' 1078' Existing; 4 1/2" 3154.05' 3154.05' Existing

RECEIVED
Office of Oil & Gas Permitting
AUG 21 2003
WV Department of Environmental Protection

OPEN FLOW DATA Water Injection well

Producing formation Gordon Pay zone depth (ft) 3055'-3093'
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: 2/15/03

001 1 0 2003

WET 1708

Treatment :

Perfs: 3089'-3093- treated w/ 250 gal 15% HCL, 356 bbls cross linked gel and 19,800 # 20/40 sand

Well Log :

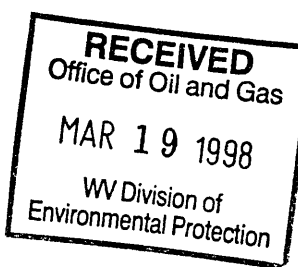
See original completion

WR-35

API # 47 -103- 1708 19-Aug-96

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

Well Operator's Report of Well Work



Farm name: Dallison Lumber Co. Operator Well No.: L.S. Hoyt #105

LOCATION: Elevation: 1,176.00 Quadrangle: Pine Grove
District: Grant County: Wetzel
Latitude: 7,050 Feet south of 39 Deg 37 Min 30 Sec.
Longitude: 6,650 Feet west of 80 Deg 37 Min 0 Sec.

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

Agent: PHILIP S. ONDRUSEK

Inspector: Randal Mick

Permit Issued: 8/20/96
Well work Commenced: 11/20/96
Well work Completed: 12/16/96

Verbal plugging permission granted on:
Rotary X Cable Rig
Total Depth (feet) 3208'
Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N
Coal Depths (ft): NA

Table with 4 columns: Casing & Tubing Size, Used in Drilling, Left in Well, Cement Fill Up Cu. Ft.
Row 1: 8-5/8", 1078', 1078', 460 Sacks
Row 2: 4 1/2", 3154.05', 3154.05', 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) 3,055'
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: 2/17/98

WET 1708

Treatment :

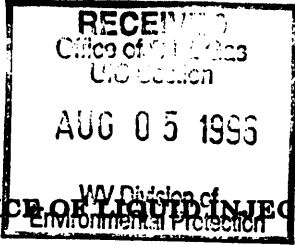
Perforated Gordon sand with 16 holes from 3089'-3093' K.B. Fractured with 300 gals 15% HCL and 220 bbls gelled water and 10,600 lbs. 20/40 sand

Well Log :

All depth are relative to K.B.

0	952 Sand and Shale
952	1016 sand
1016	1196 Shale
1196	1232 sand
1232	1546 Shale
1546	1556 sand
1556	1700 Shale
1700	1758 sand
1758	2122 Shale
2122	2198 sand
2198	2342 Big Lime
2342	2492 Big Injun
2492	3043 Shale
3043	3055 Gordon Stray
3055	3072 Gordon
3072	3158 Shale

1) Date July 30, 1996
 2) Well No. L.S. Hoyt No.105
 3) SIC Code _____
 4) API Well No. 47 - 103 - 1708-LI
 State County Permit
 5) UIC Code _____



Issued 08/20/96
Expires 08/20/98

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

22409

- WELL TYPE: Liquid Injection X Gas Injection _____ Waste Disposal _____
- LOCATION: Elevation 1176 Watershed Betsy Run
 District Grant 4 County Wetzel Quadrangle Pine Grove J48
- WELL OPERATOR: Pennzoil Products Company 4670
 P.O. Box 5519
 Vienna, WV 26105
- 9) DESIGNATED AGENT: Philip S. Ondrusek
 P.O. Box 5519
 Vienna, WV 26105
- 10) OIL & GAS INSPECTOR TO BE NOTIFIED:
 Name Randal Mick
 Address 111 Blackshere Drive
 Mannington, WV 26582
- 11) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 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 Depth 3066 Ft. (Top) t 3081 Ft. (Bottom)
- 14) Estimated depth of completed well (or actual depth of existing well) 3166 Ft.
- 15) Approximate water strata depths: Fresh 356 Ft. Salt 1476 Ft.
- 16) Approximate coal seam depths: 976 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	Size	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILLUP OR SACKS	PACKERS
		Grade	Weight	New	Used	For Drilling	Left in Well		
Conductor									Kinds
Fresh Water	8 5/8"	L.S.	20#	X		1026	1026	Cement To	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2"	J-55	10.5#	X		3166	3166	Cement Over	Depths Set
Tubing								Salt Sand	
Liners									Perforations
									Top Bottom

25) APPLICANTS OPERATING RIGHTS were acquired from L.S. Hoyt et al.
 by Deed _____ Lease X Other Contract _____ Dated Jan.6, 1902 of record in the
 Wetzel County Clerk's Office in Lease Book 76 at Page 300

**OFFICE USE ONLY
DRILLING PERMIT**

Permit number 47-103-1708-LI

August 20th. 1996 19
Date

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 (if required) construction and reclamation plan, subject to any modifications and conditions specified below.

Permit expires 8-20-98 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: ✓	Agent: ✓	Plat: MS	Casing: MS	Fee: CK#
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0301284729

Michael W. Jervis

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

CHIEF, OFFICE OF OIL AND GAS

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

OFFICE USE ONLY

This part of Form IV-3(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Follow-up inspection(s)	Date(s)
Application received			
Well work started		" "	
Total depth reached		" "	
Well Record received		" "	
Reclamation completed		" "	

OTHER INSPECTIONS

Reason: _____

Reason: _____