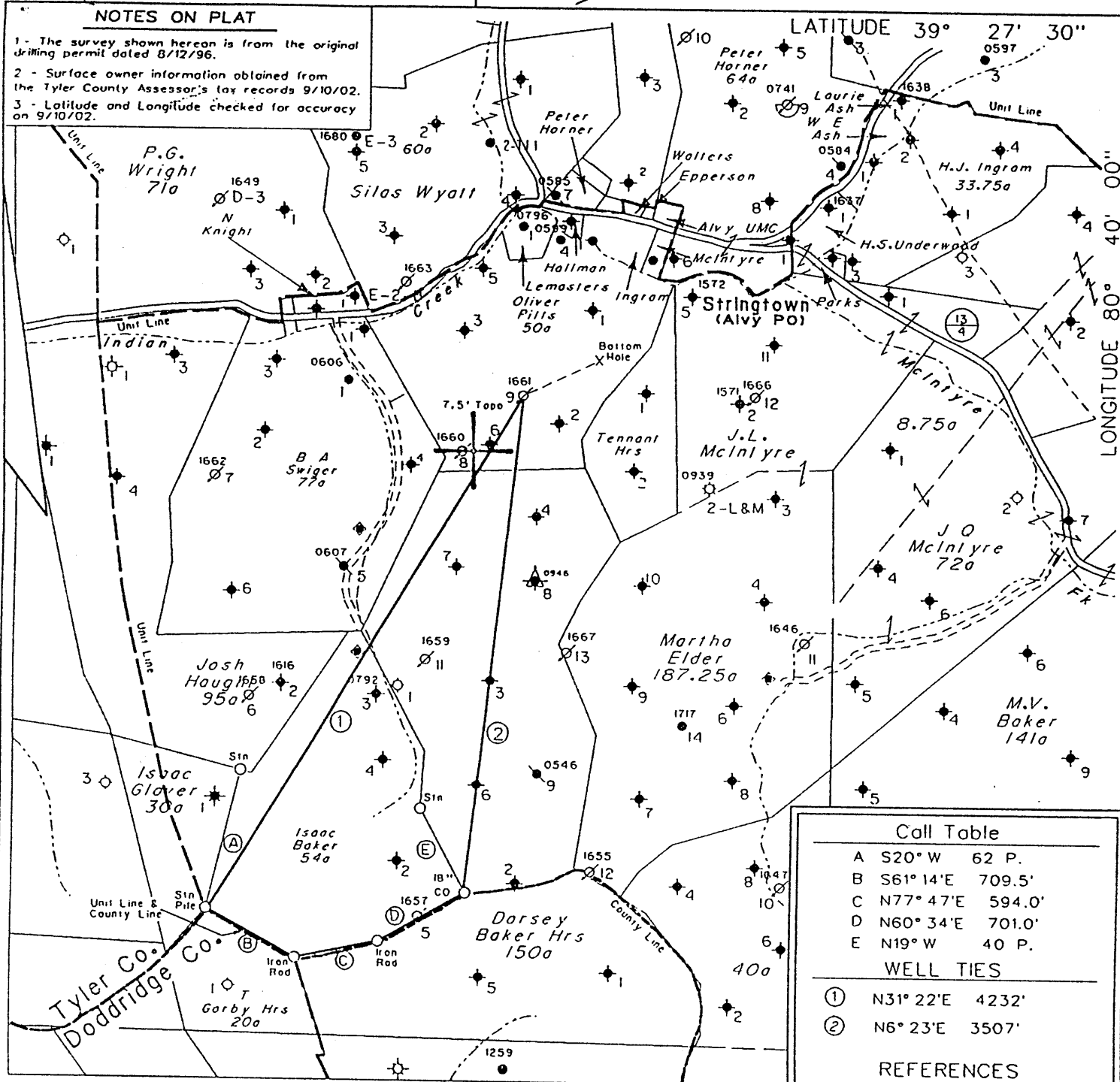


NOTES ON PLAT

- 1 - The survey shown hereon is from the original drilling permit dated 8/12/96.
- 2 - Surface owner information obtained from the Tyler County Assessor's tax records 9/10/02.
- 3 - Latitude and Longitude checked for accuracy on 9/10/02.



Call Table

- A S20° W 62 P.
- B S61° 14'E 709.5'
- C N77° 47'E 594.0'
- D N60° 34'E 701.0'
- E N19° W 40 P.

WELL TIES

- ① N31° 22'E 4232'
- ② N6° 23'E 3507'

REFERENCES

Existing Well

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

FILE NO. 1822
 MAP NO. N47 N S 1 E W 5
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM - 902

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)

WEST VIRGINIA

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



DATE November 6, 2002
 FARM Oliver Pitts NO. 9
 API WELL NO. 47-095-1661F

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1150' WATERSHED Indian Creek
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE Centerpoint 7.5'

SURFACE OWNER Elden & Irene Nichols ACREAGE 53.4 Ac.
 OIL & GAS ROYALTY OWNER East Resources, Inc. LEASE ACREAGE 50 Ac.
 LEASE NO. 13612-50

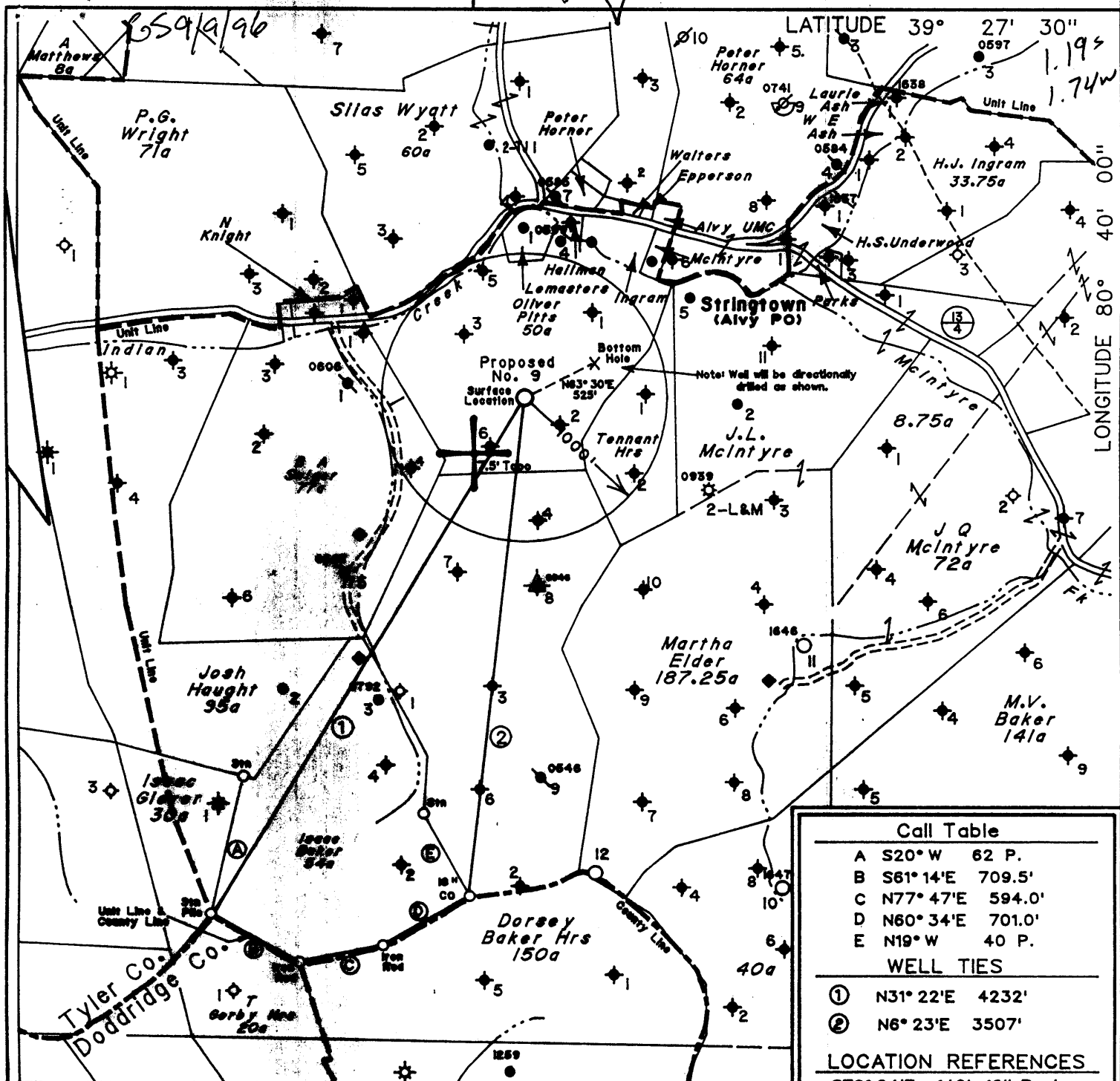
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION Gordon ESTIMATED DEPTH 3.335'
 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

DEC 06 2002

TYL 1661F

859/a/96



Call Table	
A	S20° W 62 P.
B	S61° 14' E 709.5'
C	N77° 47' E 594.0'
D	N60° 34' E 701.0'
E	N19° W 40 P.
WELL TIES	
①	N31° 22' E 4232'
②	N6° 23' E 3507'
LOCATION REFERENCES	
S79° 24' E	140' 12" Poplar
S5° 33' E	132' 16" Red Oak
N31° 20' W	142' 3" Hickory

Note: No known water supply sources are located within 1000' of proposed well.

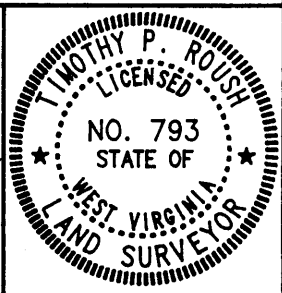
◆ Denotes a Water Supply Source

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

FILE NO. 1822
 MAP NO. N47 N S 1 E W 5
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION USGS BM - 902

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 12, 19 96
 FARM Oliver Pitts NO. 9
 API WELL NO. 47-095-01661-5

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1150' WATERSHED Indian Creek
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE Centerpoint 7.5'
 SURFACE OWNER Elden & Irene Nichols ACREAGE 53.4 Ac.
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 50 Ac.
 LEASE NO. 13612-50
 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 3150' TVD
 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

SEP 13 1996

8-0
96

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

Handwritten initials

Well Operator's Report of Well Work

Farm name: Nichols, Elden & Irene
LOCATION: Elevation: 1150'
District: McElroy
Latitude: 6,150 Feet south of
Longitude: 9,050 Feet west of

Operator Well No.: O. Pitts 9
Quadrangle: Centerpoint 7.5'
County: Tyler
39 Deg 27 Min 30 Sec.
80 Deg 40 Min 00 Sec.

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

Agent: MICHAEL MCCOWN
Inspector: Mike Underwood

Permit Issued: 12/04/02
Well work Commenced: 01/13/03
Well work Completed: 01/16/03

Verbal plugging
Permission granted on:
Rotary X Cable _____ Rig _____

Total Depth (feet) 3335'
Fresh water depths (ft) NA

Salt water depths (ft) NA

Coal being mined in area (Y/N) NA
Coal Depths (ft): 995'-1000'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1117'	1117'	485 sks
4 1/2"	3325.5'	3325.5'	275 sks

OPEN FLOW DATA

* Waterflood Injection well drilled directionally N65-05E 589' to Gordon

Producing formation Gordon Pay zone depth (ft) 3138'-3156'
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: *Michael McCown*
Date: 1/17/03

FEB 27 2003

741
1991
1661

Treatment: Treated Gordon perforations 3148'-3152' with 250 gals 15% HCL, 333 bbls Crosslinked gel water and 14,600# 20/40 sand

Well Log See original well log

JAN 21 1997

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: Nichols, Elden & Irene Operator Well No.: O. Pitts #9

LOCATION: Elevation: 1,150.00 Quadrangle: Center Point
District: McElroy County: Tyler
Latitude: 6,150 Feet south of 39 Deg 27 Min 30 Sec.
Longitude: 9,050 Feet west of 80 Deg 40 Min 00 Sec.

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

Agent: PHILIP S. ONDRUSEK

Inspector: Mike Underwood

Permit Issued: 9/9/96

Well work Commenced: 12/7/96

Well work Completed: 1/2/97

Verbal plugging permission granted on:
Rotary X Cable _____ Rig _____

Total Depth (feet) 3335'

Fresh water depths (ft) NA

Salt water depths (ft) NA

Is coal being mined in area (Y/N) N

Coal Depths (ft): 995-1000

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8"	1117'	1117'	485 Sacks
4 1/2"	3325.50'	3325.50'	275 Sacks

OPEN FLOW DATA

*Well was drilled as a waterflood injection well. No open-flow data was obtained
Note This well was drilled directionally N65-05E 589' to Gordon formation.

Producing formation Gordon Pay zone depth (ft) 3138-3156
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: 1/16/97

JAN 24 1997

Treatment : Perforations: 3148' - 3152' - 4 holes/ft.(16 holes)
Treatment: Treated via 4.5" Casing with 300 gals. 15% HCl, 197 bbls.
Borate cross-linked gelled water and 12,000 lbs. of 20/40 sand.

Note This well was drilled directionally S65-05E 589' to Gordon formation.
All depths given are measured depths.

Well Log : TD = 3335

Sand & Shale	0	-	995
Coal	995	-	1000
Sand & Shale	1000	-	1174
Sand	1174	-	1190
Shale	1190	-	1392
Sand	1392	-	1398
Shale	1398	-	1418
Sand	1418	-	1430
Shale	1430	-	1592
Sand	1592	-	1636
Shale	1636	-	1790
Sand	1790	-	1802
Shale	1802	-	1836
Sand	1836	-	1848
Shale	1848	-	2238
Sand	2238	-	2296
Big Lime	2296	-	2358
Big Injun	2358	-	2542
Shale	2542	-	3138
Gordon	3138	-	3156
Shale	3156	-	3170
Sand	3170	-	3176
Shale	3176	-	3370

1) Date August 13, 1998
 2) Well No. Oliver Pitts No.9
 3) SIC Code _____
 4) API Well No. 47 095 1661-LI
 State County Permit
 5) UIC Code _____

Issued 09/09/96
Expires 09/09/98

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

22563

WELL TYPE: Liquid Injection X Gas Injection _____ Waste Disposal _____

LOCATION: Elevation 1150 Watershed Indian Creek Centerpoint 286
 District McElroy 5 County Tyler Quadrangle

WELL OPERATOR: Pennzoil Products Company 4670 9) DESIGNATED AGENT: Philip S. Ondrusek
 P.O. Box 5519 P.O. Box 5519
 Vienna, WV 26105 Vienna, WV 26105

OIL & GAS INSPECTOR TO BE NOTIFIED: 11) DRILLING CONTRACTOR:
 Name Mike Underwood Name _____
 Address Route 2, Box 135 Address _____
 Salem, WV 26426

12) PROPOSED WELL WORK: Drill X Drill Deeper _____ Redrill _____ Stimulate X
 (Note: Well will be drilled Plug Off Old Formation _____ Perforate New Formation _____ Convert _____
 directionally N63-30E 525') Other Physical Change in Well (specify) _____

13) Geological target formation Gordon 419 Depth 3160 Ft. (Top) t 3175 Ft. (Bottom)

14) Estimated depth of completed well (or actual depth of existing well) 3350 Ft.

15) Approximate water strata depths: Fresh 330 Ft. Salt 1357 Ft.

16) Approximate coal seam depths: 962 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.

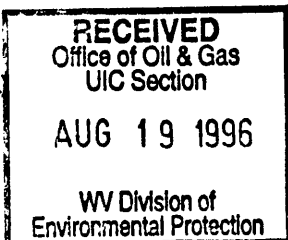
22) Filters (if any): Cartridge filters and/or coal bed filters

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.	23#	X		1100	1100	Cement To	
Coal								Surface	Sizes
Intermediate									
Production	4 1/2"	J-55	10.5#	X		3350	3350	Cement Over	Depths Set
Tubing								Salt Sand	
Liners									Perforations
									Top Bottom

25) APPLICANTS OPERATING RIGHTS were acquired from Oliver & Rachael Pitts
 by Deed _____ Lease X Other Contract _____ Dated July 24, 1894 of record in the
 Tyler County Clerk's Office in Deed Book 23 Page 595



1) Date August 13, 1996
2) Well No. Oliver Pitts No.9
3) SIC Code _____
4) API Well No. 47 - 095 - 1661-4
State County Permit

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

6) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Elden & Irene Nichols
Address Alvy, WV 26322
(ii) Name Mrs. Homer Tennant
Address H.C.R. 62, Box 64
Alvy, WV 26322
(iii) Name Dorsey Baker Estate
Address c/o Earle M. Long
117 Ellis Ave.
Elkins, WV 26241

6 (iv) ADDITIONAL SURFACE OWNERS
Name _____
Address _____
7 (ii) COAL OWNER WITH DECLARATION ON RECORD:
Name N/A
Address _____
7(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Liquid Injection or Waste Disposal Well Work Permit on Form WW-3(B), which sets out the parties involved in the drilling or other work, and
- (2) The plat (surveyor's map) showing the well location on Form WW-6; and
- (3) The Construction and Reclamation Plan on Form WW-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

The date proposed for the first injection or waste disposal is _____

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM WW-3(B)) DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22B of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Director of the Division of Oil and Gas, West Virginia Department of Energy, with respect to a well at the location described on the attached Application and depicted on attached Form WW-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Director.

The person signing this document shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Pennzoil Products Company
Well Operator
By [Signature]
Its Supervisor, Surveying/Mapping
Telephone (304) 422-6565

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1664-LI

September 9 19 96
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 9-9-98 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: ✓	Agent: ✓	Plat: <i>MS</i>	Casing: <i>MS</i>	Fee: <i>CK#</i>
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0301284918

Michael J. Jones
CHIEF, OFFICE OF OIL AND GAS

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

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: _____