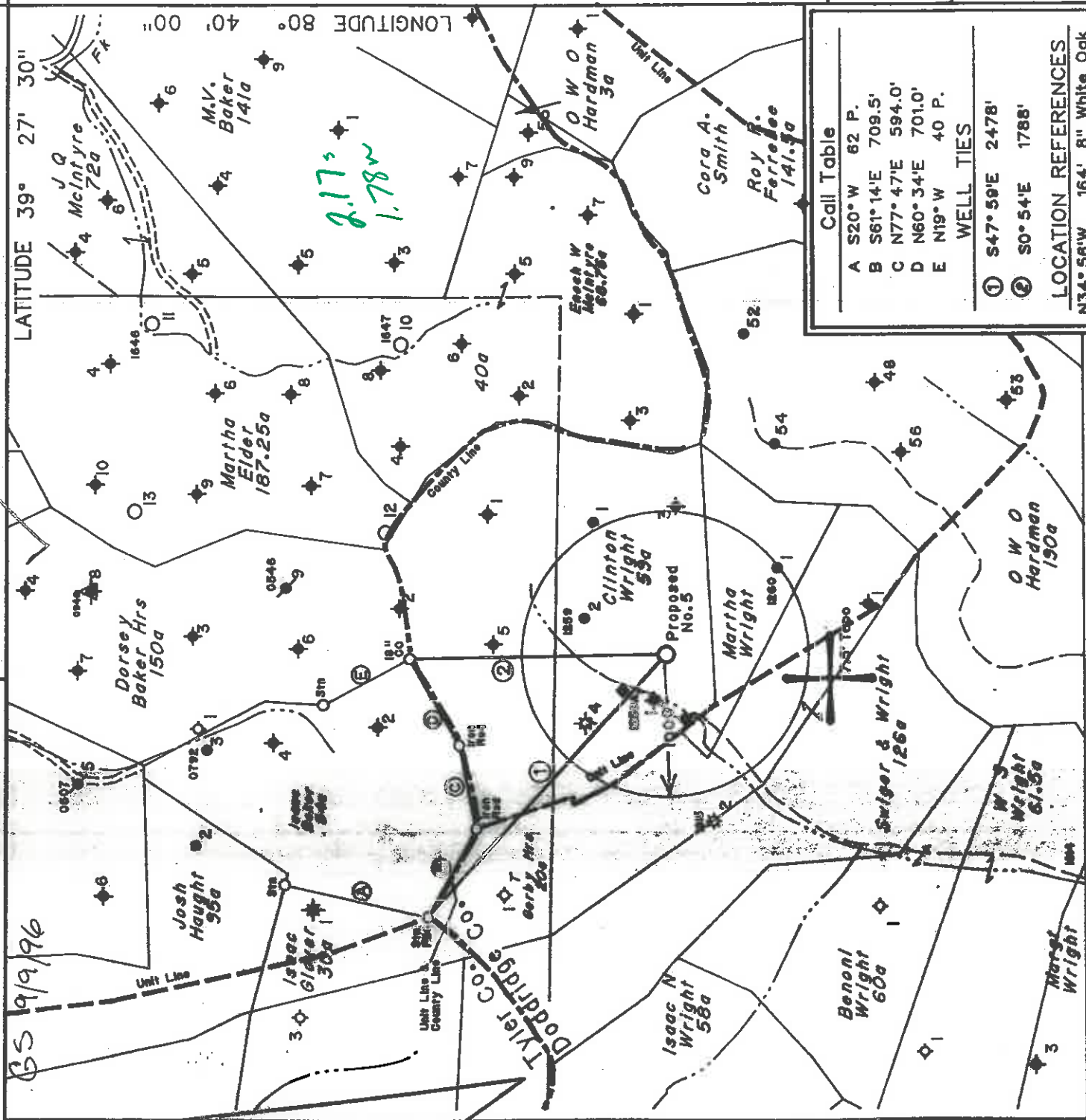


BS 9/9/96



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	S47°59'E	2478'
②	S0°54'E	1788'

LOCATION REFERENCES

N34°56'W	164'	8" White Oak
N29°45'E	109'	10" Q. Aspen
S84°40'E	163'	Dbl. White Oak

④ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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

◆ Denotes a Water Supply Source

FILE NO. 1824

MAP NO. N47°N S2E W5

SCALE 1" = 1000'

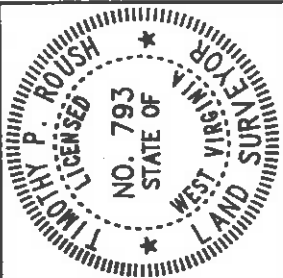
MINIMUM DEGREE OF ACCURACY 1 in 200

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* PS 793

TIMOTHY P. ROUSH



STATE OF WEST VIRGINIA
DIVISION OF ENERGY
OIL AND GAS SECTION

DATE August 12, 19 96

FARM Clinton Wright NO. 5

API WELL NO. 47-017-04299-5



WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___

(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 1006' WATERSHED Laughery Fork

DISTRICT McClellan COUNTY Doddridge

QUADRANGLE Centerpoint 7.5'

SURFACE OWNER Coastal Lumber Co. ACREAGE 82.5 Ac.

OIL & GAS ROYALTY OWNER Pennzoil Products Co. et.al. LEASE ACREAGE 59 Ac.

LEASE NO. 99297-00

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 3006'

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

SEE 13 1996

8-0 95

WR-35

9-Sep-96
API# 47 -017- 4299

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



Well Operator's Report of Well Work

Farm name: Coastal Lumber Company Operator Well No.: C. Wright #5

LOCATION: Elevation: 1,006.00 Quadrangle: Center Point

District: McClellan County: Doddridge
Latitude: 11,400 Feet south of 39 Deg 27 Min 30 Sec.
Longitude: 9,400 Feet west of 80 Deg 40 Min 0 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: 12/6/96

Well work Completed: 1/15/97

Verbal plugging permission granted on:

Rotary Cable Rig _____

Total Depth (feet) 2960'

Fresh water depths (ft) NA

Salt water depths (ft) NA

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

Coal Depths (ft): N

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8-5/8"	276'	276'	160 Sacks
4 1/2"	2913'	2913'	275 Sacks

OPEN FLOW DATA

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

Producing formation

Gas: Initial open flow _____

Final open flow _____

Time of open flow between initial and final tests _____

Static rock pressure _____

Gordon

* MCF/d

* MCF/d

Pay zone depth (ft)

2,850

* Bbl/d

* Bbl/d

Hours

after _____

psig (surface pressure)

Second producing formation

Gas: Initial open flow _____

Final open flow _____

Time of open flow between initial and final tests _____

Static rock pressure _____

Pay zone depth (ft)

MCF/d

MCF/d

Pay zone depth (ft)

Bbl/d

Bbl/d

Hours

after _____

psig (surface pressure)

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: _____

Date: _____

3/11/98

MAR 13 1998

0000 4299

Treatment : Perforated Gordon sand with 16 holes from 2856'-2860' K.B. Fractured with 300 gals 15% HCL and 193 bbls gelled water and 10,100 lbs. 20/40 sand

Well Log :

All depth are relative to K.B.

0	218 Sand and Shale
218	510 Shale
510	542 sand
542	854 Shale
854	900 sand
900	1572 Shale
1572	1595 sand
1595	1705 Shale
1705	1746 sand
1746	1812 Shale
1812	1840 sand
1840	2040 Shale
2040	2136 Big Lime
2136	2268 Big Injun
2268	2840 Shale
2840	2850 Gordon Stray
2850	2868 Gordon
2868	2960 Shale

RECEIVED
 Office of Oil & Gas
 UIC Section
AUG 19 1996

1) Date August 13, 1996
 2) Well No. Clinton Wright No.5
 3) SIC Code _____
 4) API Well No. 47 - 017 State County 4299-JJ Permit
 5) UIC Code _____

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

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

22555 00

WELL TYPE: Liquid Injection Gas Injection Waste Disposal

LOCATION: Elevation 1006 Watershed Laughery Fork
 District McClellan County Doddridge Quadrangle Centerpoint 286

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

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

11) DRILLING CONTRACTOR:
 Name _____
 Address _____

12) PROPOSED WELL WORK: Drill Drill Deeper Redrill Stimulate Convert
 Plug Off Old Formation Perforate New Formation
 Other Physical Change in Well (specify) _____

13) Geological target formation Gordon Depth 2866 Ft. (Top) 2881 Ft. (Bottom)
45 3006 Ft.

14) Estimated depth of completed well (or actual depth of existing well) _____
186 Ft. Salt 1213 Ft.

15) Approximate water strata depths: Fresh 818 Ft. 3006 Ft.

16) Approximate coal seam depths: _____
818 Ft.

17) Is coal being mined in the area? Yes No

18) Virgin reservoir pressure in target formation: 1400 psig. Source Estimated
3500 psig.

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.

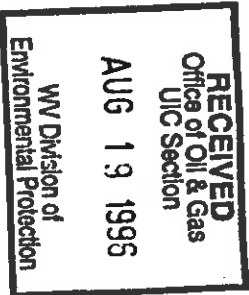
22) Filters (if any): Cartridge filters and/or coal bed filters

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	For Drilling	Left in Well		
Conductor							
Fresh Water	8 5/8"	L.S.	20#		256	Cement To Surface	Kinds
Coal							Sizes
Intermediate							
Production	4 1/2"	J-55	10.5#		3006	Cement Over Salt Sand	Depths Set
Tubing							Perforations
Liners							Top Bottom

25) APPLICANTS OPERATING RIGHTS were acquired from Donald R. Reynolds
 by Deed Lease Other Contract _____
Doddridge County Clerk's Office in _____ Dated December 12, 1994 of record in the
 _____ Lease Book 174 Page 247



1) Date August 18, 1996
2) Well No. Clinton Wright No.5
3) SIC Code _____
4) API Well No. 47 - 017 - 4291-c1
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 Coastal Lumber Co.
Address P.O. Box 979
Buckhannon, WV 26201
(ii) Name Dorsey Baker Estate
Address c/o Earle M. Long
117 Ellis Ave.
Elkins, WV 26241
(iii) Name _____
Address _____

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