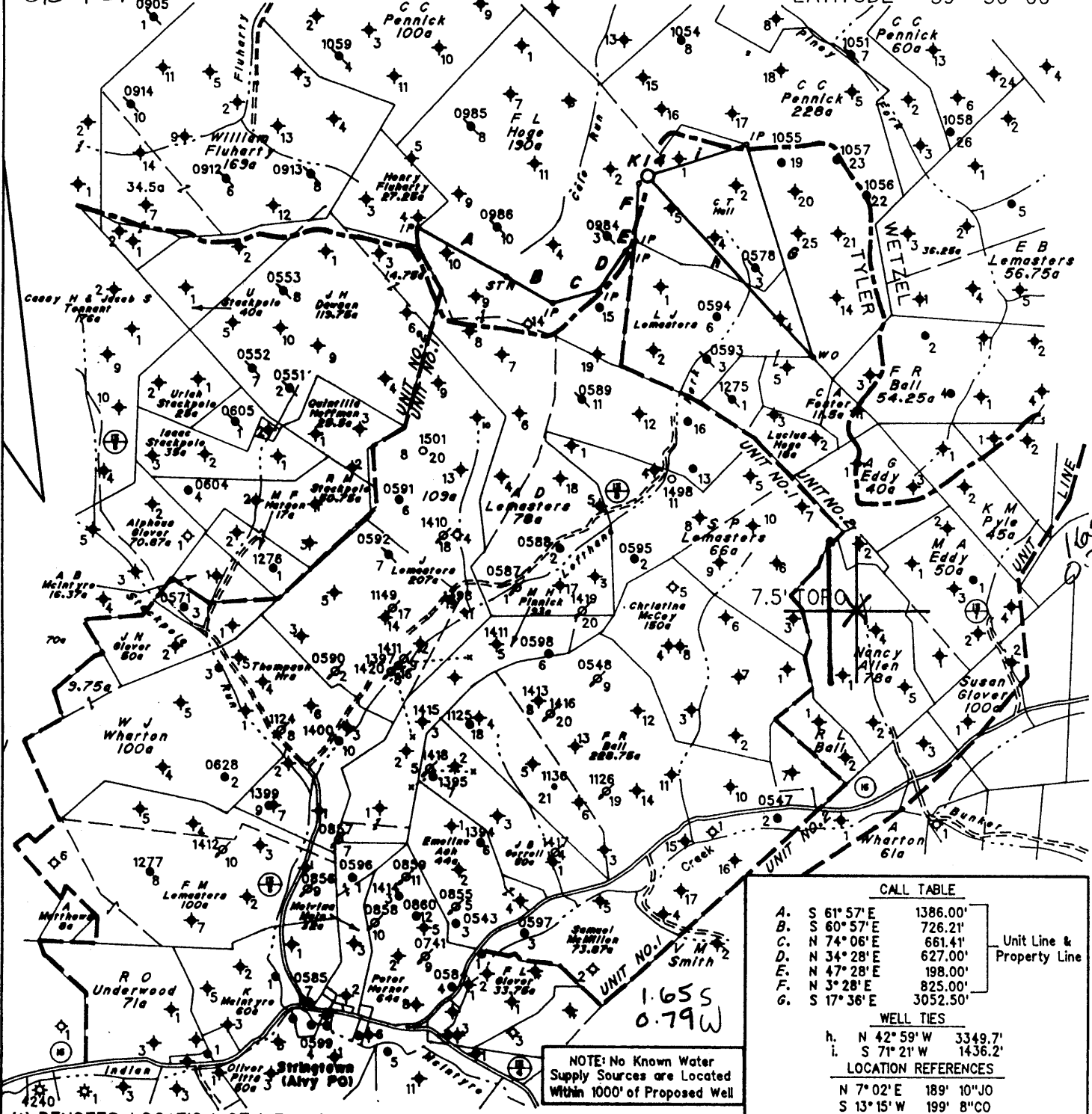


GS 9-2492
0905

LATITUDE 39° 30' 00"

LONGITUDE 80° 40' 00"



CALL TABLE		
A.	S 61° 57' E	1386.00'
B.	S 60° 57' E	726.21'
C.	N 74° 06' E	661.41'
D.	N 34° 28' E	627.00'
E.	N 47° 28' E	198.00'
F.	N 3° 28' E	825.00'
G.	S 17° 36' E	3052.50'

Unit Line & Property Line

WELL TIES		
h.	N 42° 59' W	3349.7'
i.	S 71° 21' W	1436.2'

LOCATION REFERENCES		
N 7° 02' E	189'	10" JO
S 13° 15' W	199'	8" CO
S 11° 24' W	220.5'	5/8" IR

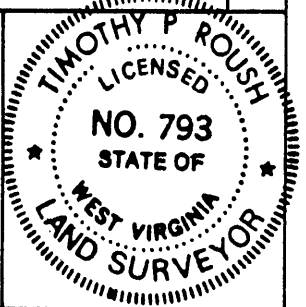
NOTE: No Known Water Supply Sources are Located Within 1000' of Proposed Well

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

FILE NO. 1769
 MAP NO. N47 N S E W
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION F.L. Hoge No. 3
(47-095-0984) = 1307'

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 21, 1992
 STRINGTOWN UNIT NO. 2 WELL K14
 API WELL NO. CT Hall
47-103-1513-LI

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1405' WATERSHED Cole Run
 DISTRICT Green 5 COUNTY Wetzel
 QUADRANGLE Centerpoint 15 NW

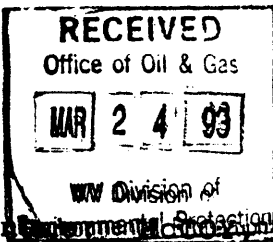
SURFACE OWNER Donald L. McCoy ACREAGE 80 Ac.
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et al. LEASE ACREAGE 5675 Ac.
 LEASE NO. 67696-00

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 Gordon ESTIMATED DEPTH 3395' 8-0 Jacksonburg
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews Stringtown (0915)
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W. Va. 26105 Vienna, W. Va. 26105

SEP 29 1992

FORM IV-6



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

Well Operator's Report of Well Work

Farm ~~Environmental Protection~~ DONALD L.

Operator Well No.: STRINGTWN#2-K14

LOCATION: Elevation: 1405.00 Quadrangle: CENTER POINT

District: GREEN County: WETZEL
Latitude: 8600 Feet South of 39 Deg. 30Min. 0 Sec.
Longitude 4150 Feet West of 80 Deg. 40 Min. 0 Sec.

Company: PENNZOIL PRODUCTS COMPANY

P. O. BOX 5519
VIENNA, WV 26105-5519

Agent: JAMES A. CREWS

Inspector: RANDAL MICK
Permit Issued: 09/24/92
Well work Commenced: 10/12/92
Well work Completed: 12/14/92
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 3429'
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

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

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
8 5/8	660.70'	660.70'	To Surface 270 Sks.
4 1/2	3391.50	3391.50	500 Sks.

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 3270' - 3340'
Gas: Initial open flow N/A MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow N/A MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure N/A 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

Timothy P. Roush
Timothy P. Roush

By: Supervisor - Surveying/Mapping

Date: 3-3-93

Reviewed TMB

Recorded _____

TREATMENT

PERFORATED: Gordon w/16 Holes 3304' - 3312'
Treated w/300 Gal. Reg. H.F. Acid, 222 Bbls. Gelled Water,
1500# 80/100 & 3500# 20/40 Sand

WELL LOG

Sand & Shale	0 - 725
Sand	725 - 750
Shale	750 - 840
Sand	840 - 870
Sand & Shale	870 - 1040
Sand	1040 - 1105
Shale	1105 - 1220
Sand & Shale	1220 - 1580
Sand	1580 - 1605
Sand & Shale	1605 - 1760
Sand	1760 - 1945
Sand & Shale	1945 - 2075
Shale	2075 - 2525
Sand	2525 - 2710
Shale	2710 - 3270
Gordon	3270 - 3340
T.D.	3429

DF - 711
DTT - 719

PERM
NOV 1 8 66
Permitting
Office of Oil & Gas



1) Date: August 24, 19 92
 2) Operator's Well No. STRINGTOWN UNIT NO. 2 K 14
 3) SIC Code _____
 4) API Well NO. 47 State - 103 County - 1513-LI Permit
 5) UIC Permit No. _____

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

Issued 9/24/92

Expires 9/24/94

RECEIVED
 Office of Oil & Gas
 UIC Section
 AUG 25 92
 WV Division of
 Environmental Protection

- 6) WELL TYPE: Liquid injection / Gas injection (not storage) _____ / Waste disposal _____
- 7) LOCATION: Elevation: 1405' Watershed: Cale Run
 District: Green County: Wetzel Quadrangle: Centerpoint
- 8) WELL OPERATOR Pennzoil Products Company 37450
 Address P.O. Box 5519
Vienna, WV 26105
- 9) DESIGNATED AGENT J.A. Crews
 Address P.O. Box 5519
Vienna, WV 26105
- 10) Mr. Randall Mick
 111 Blackshere Drive
 Mannington WVa. 26582
987-3324
- 11) DRILLING CONTRACTOR:
 Name _____
 Address _____
- 12) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate _____
 Plug off old formation _____ / Perforate new formation _____ / Convert _____
 Other physical change in well (specify) _____
- 13) GEOLOGICAL TARGET FORMATION, Gordon Depth 3295 feet(top) to 3310 feet(bottom)
- 14) Estimated depth of completed well, (or actual depth of existing well) 3395 ft.
- 15) Approximate water strata depths; Fresh, 580 feet; salt, > 580 feet.
- 16) Approximate coal seam depths: 1209
- 17) Is coal being mined in the area? Yes _____ / No /
- 18) Virgin reservoir pressure in target formation 1400 psig. Source ESTIMATED
- 19) Estimated reservoir fracture pressure 3500 psig (BHFP)
- 20) MAXIMUM PROPOSED INJECTION OPERATIONS: Volume per hour: 25 Bottom hole pressure 2470
- 21) DETAILED IDENTIFICATION OF MATERIALS TO BE INJECTED, INCLUDING ADDITIVES: Fresh water, produced water, bactericides, and other chemicals as necessary 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 FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor									Kinds
Fresh water	8 5/8	6.5	20	X		660	660	To Surface	
Coal									Sizes
Intermediate									
Production	4 1/2	M-50	10.5	X		3395	3395	Cement over Salt Sand	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

25) APPLICANT'S OPERATING RIGHTS were acquired from Stringtown Unit Royalty Owners
 by deed _____ / lease _____ / other contract / dated _____, 19____, of record in the
Wetzel County Clerk's office in Book 69A at page 123

1) Date August 24, 1992
 Operator's
 2) Well No. STRINGTOWN UNIT NO. 2
 3) SIC Code _____
 4) API Well No. 47 - 103 - 1513
 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

SURFACE OWNER(S) OF RECORD TO BE SERVED

- (i) Name Donald L. McCoy
 Address Alvy, WV 26322
- (ii) Name _____
 Address _____
- (iii) Name _____
 Address _____

- 7 (i) COAL OPERATOR N/A
 Address _____
- 7 (ii) COAL OWNER(S) W/TE DECLARATION ON RECORD:
 Name _____
 Address _____
- 7 (iii) COAL LESSEE W/TE DECLARATION ON RECORD:
 Name _____
 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 _____, 19____.

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 Timothy P. Roush
 Its Supervisor - Surveying/Mapping
 Telephone (304) 422-6565