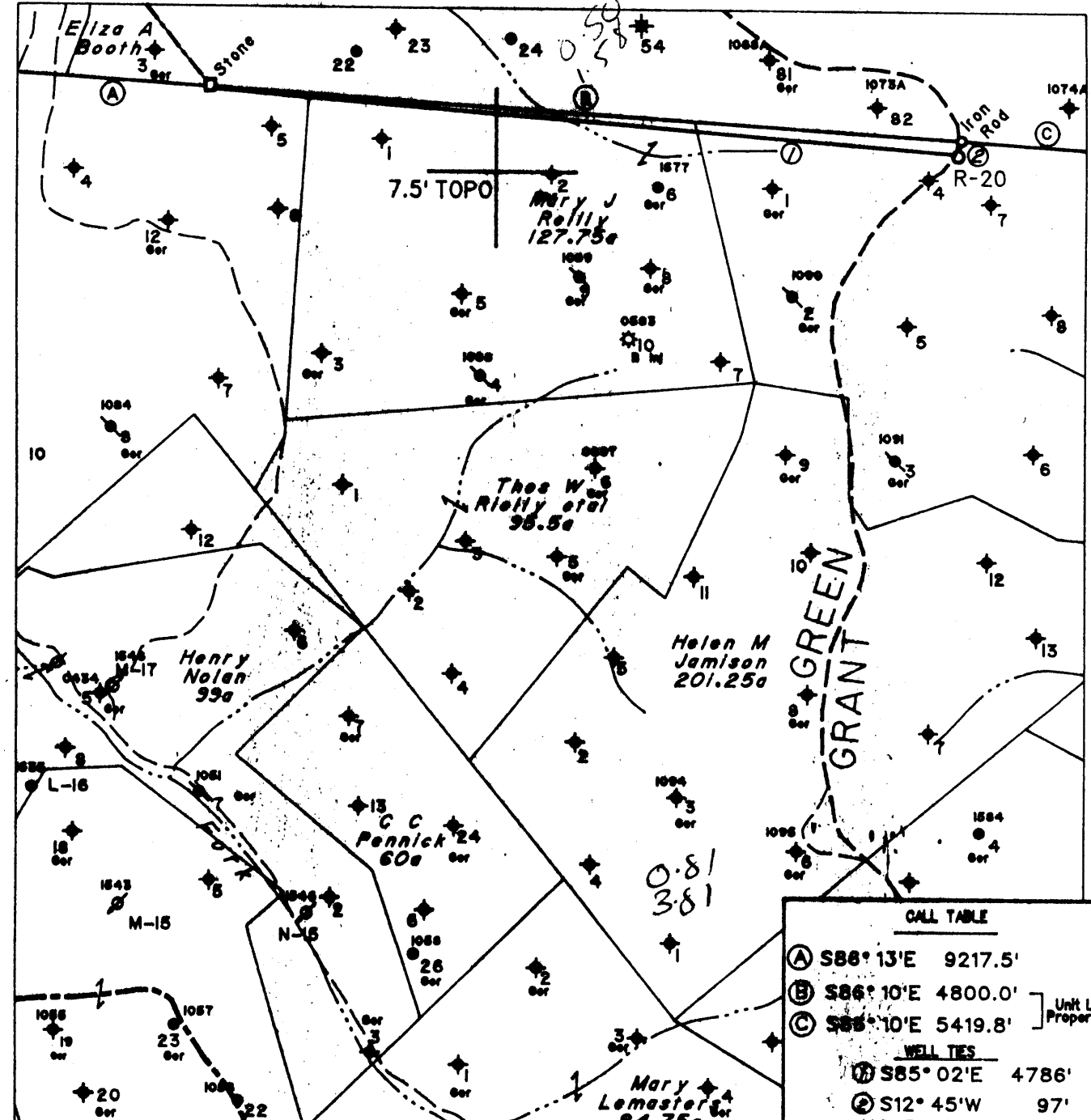


8,300'

LATITUDE 39° 30' 00"

LONGITUDE 80° 37' 30"



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

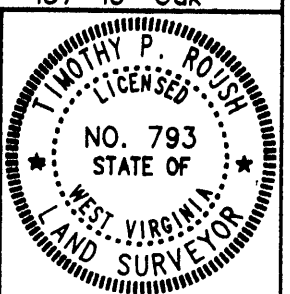
(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

CALL TABLE	
(A)	S88° 13'E 9217.5'
(B)	S86° 10'E 4800.0'
(C)	S85° 10'E 5419.8'
] Unit Line & Property Line	
WELL TIES	
(1)	S85° 02'E 4786'
(2)	S12° 45'W 97'
LOCATION REFERENCES	
N13° 10'E	94' 16" Hickory
N61° 38'E	189' 3" Maple
S79° 28'E	157' 10" Oak

FILE NO. 1732
 MAP NO. N58 N 4 S E W 2
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION F.R. Ball No. 9
(47-095-0548) - 1152'

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 April 19, 19 94
 FARM Michael Reilly NO. R-20
 API WELL NO. 47-103-1630

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1461' WATERSHED Bob Campbell Run
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Centerpoint 015 NC

SURFACE OWNER State of West Virginia ACREAGE 253 Ac.
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et.al. LEASE ACREAGE 253 Ac.
 LEASE NO. 47257-00

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 3441'
 WELL OPERATOR Pennzoil Products Company DESIGNATED AGENT James A. Crews
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519
Vienna, W.Va. 26105 Vienna, W.Va. 26105

MAY 27 1994

FORM TV-6

103-1630
Issued 05/24/94
Page 3 of 4
Expires 05/24/96

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
Office of Oil & Gas
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Pennzoil Products Company ⁴⁶⁷⁰ 37450 (4) 286
- 2) Operator's Well Number: Michael Reilly #R-20 3) Elevation: 1461'
- Well type: (a) Oil X/ or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
Proposed Target Formation(s): Gordon 419
Proposed Total Depth: 3441 feet
.) Approximate fresh water strata depths: 641'
8) Approximate salt water depths: 1668'
9) Approximate coal seam depths: 1273'
10) Does land contain coal seams tributary to active mine? Yes / No X/
11) Proposed Well Work: Drill & stimulate new well.
12)

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						<u>3</u>
Fresh Water	8-5/8"	LS	20#	711'	711'	Cement to surface
Coal						
Intermediate						
Production	4-1/2"	J-55	10.5#	3441'	3441'	Cement over salt sand
Tubing						
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

20092
14

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund
 Plat WW-9 WW-2B Bond Blanket (Type)

19082