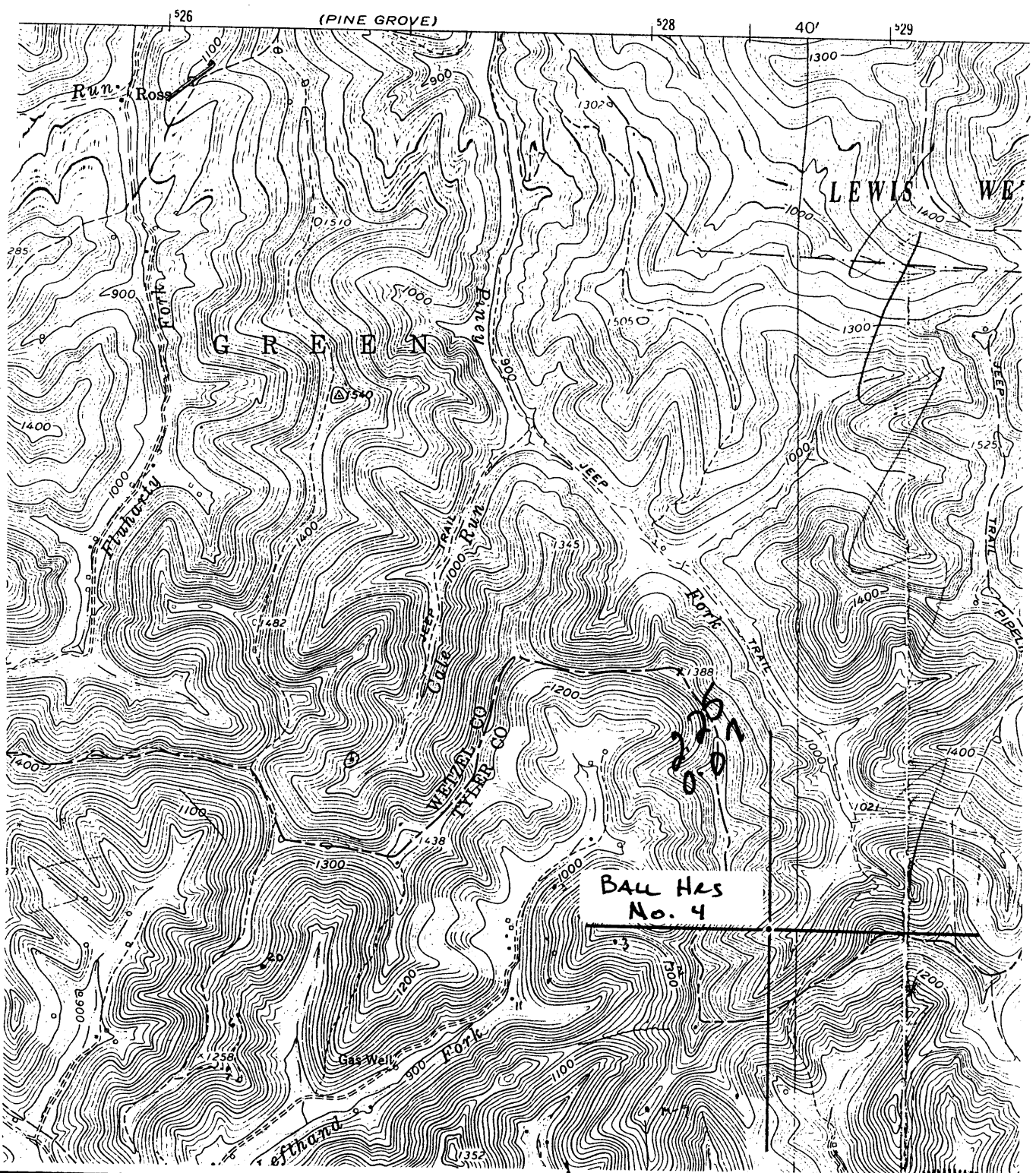


GS 3-2-93

LATITUDE 39° 30' 00"

350'



LONGITUDE 80° 40' 00"

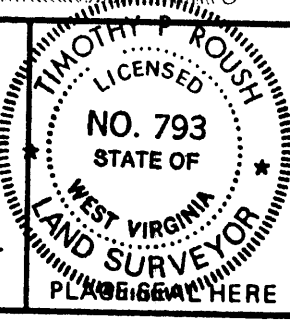
11,800'

NORTH

16884

FILE NO. _____
 MAP NO. N47 SQS.
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY _____
 PROVEN SOURCE OF ELEVATION PENNZOIL COMPANY RECORDS

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 P.S. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE FEB. 27, 19 93
 FARM BALL HEIRS NO. 4
 API WELL NO. 47-103-1531-N
 STATE COUNTY PERMIT
70023?

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1157' WATERSHED PINEY Fork
 DISTRICT GREEN S (3) COUNTY WETTEL
 QUADRANGLE CENTER POINT 286 15 NW
 SURFACE OWNER STATE OF W.VA. ACREAGE 54.5
 OIL & GAS ROYALTY OWNER PENNZOIL Co. et al. LEASE ACREAGE 5675
 LEASE NO. 26357-50
 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 3132'
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS

FORM WW-6

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
SECTION OF OIL AND GAS

WELL REGISTER ASSIGNMENT

This API Number 47-103-01531, issued to PENNZOIL PRODUCTS COMPANY is evidence of permission to operate the well that is referenced at the location described on the attached plat, subject to the provisions of Chapters 22 and 22B of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder. The name and telephone number of the Oil and Gas Inspector for this well is RANDAL MICK
304-269-2335.

Spills or emergency discharges must be reported to 1-800-654-3312.

Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of your permits and in addition may result in civil and/or criminal penalties.

The enclosed WR-35 must be completed by you and returned to this office. In addition annual production reports must be submitted on this well and failure to do so may require you to plug the well.

Theodore M. Streit
Chief

By: 

Title: _____

Operator's Well No: BALL HEIRS #4

Farm Name: WEST VIRGINIA, STATE OF

API Well Number : 47-103-01531 N

Date Issued : 03/03/93

Latitude

Longitude

2243
.02

Topo Location

7.5' Loc. 2.255 15' Loc. _____
0.07W (calc.) _____

Company South Penn Oil Co

Farm FR Ball #4
Heis

15' Quad _____
(sec.)

7.5' Quad Center Point

District Green

70623?

loc for FR ball Hrs. 4 54.25
acres OK

WELL LOCATION PLAT

County 103 Permit 1531

Elw. 1157
comp 10/13/299

1020 Takabug Johnston