

2400'

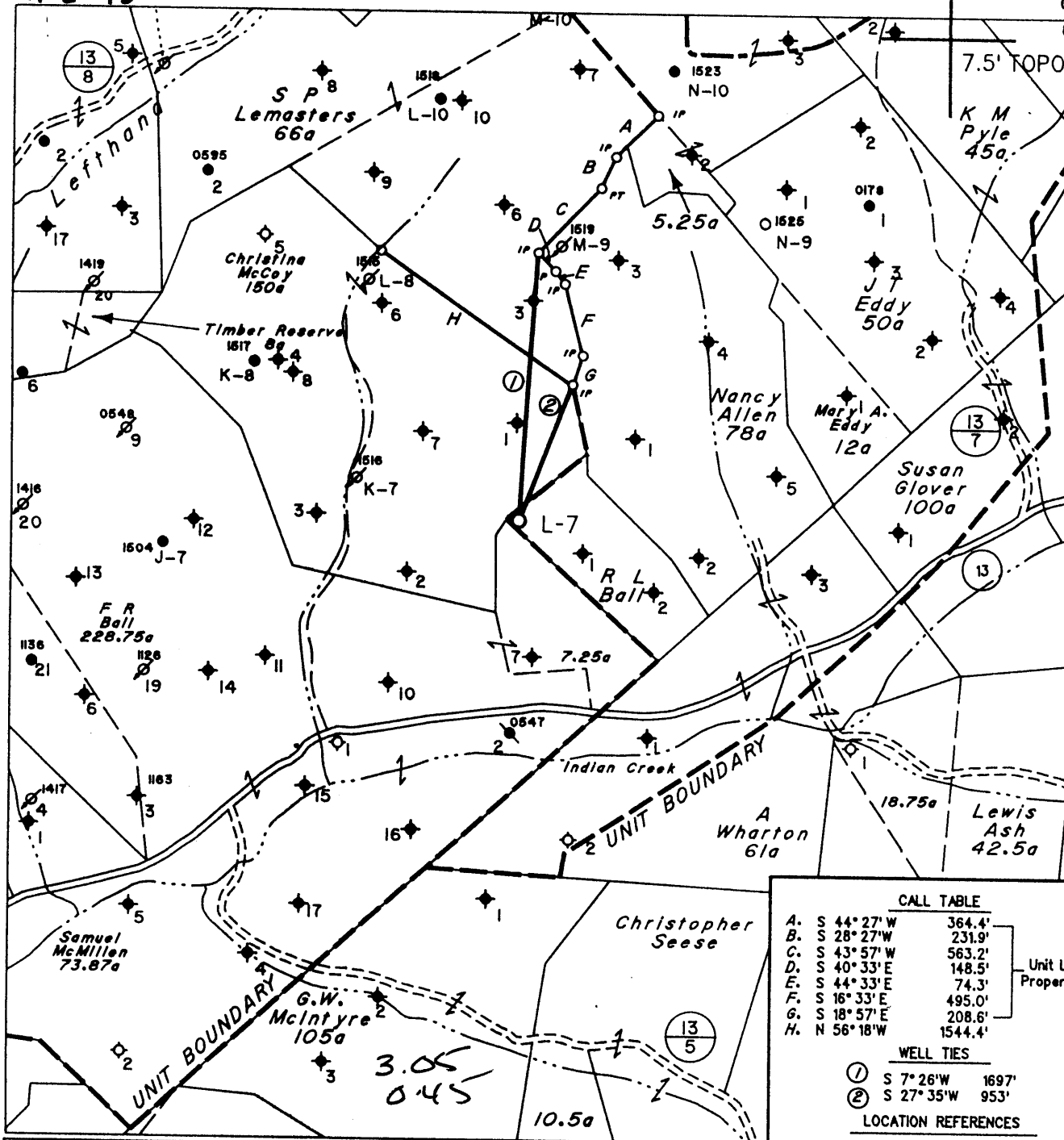
LATITUDE 39° 27' 30"

0.17
0.45

7.5' TOPO

LONGITUDE 80° 40' 00"

N48 11-2-93



| CALL TABLE | |
|----------------|---------|
| A. S 44° 27' W | 364.4' |
| B. S 28° 27' W | 231.9' |
| C. S 43° 57' W | 563.2' |
| D. S 40° 33' E | 148.5' |
| E. S 44° 33' E | 74.3' |
| F. S 16° 33' E | 495.0' |
| G. S 18° 57' E | 208.6' |
| H. N 56° 18' W | 1544.4' |

Unit Line & Property Line

| WELL TIES | |
|---------------|-------|
| ① S 7° 26' W | 1697' |
| ② S 27° 35' W | 953' |

LOCATION REFERENCES

| | | |
|-------------|----------|------------|
| N 43° 59' E | 126' 26" | HICKORY |
| N 86° 54' E | 130' 10" | CHEST. OAK |
| S 51° 34' W | 159' 35" | WHITE OAK |

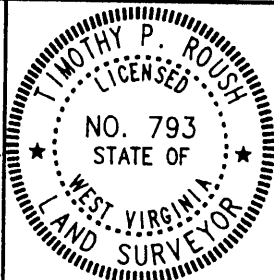
Note: No Known Water Supply Sources Are Located Within 1000' Radius Of Proposed Well

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

FILE NO. 1792'
 MAP NO. N48 N 1 S E W 3
 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 October 28, 19 93
 FARM R.L. Ball NO. L-7
 API WELL NO. 47-095-1565-L

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1243' WATERSHED Indian Creek
 DISTRICT McElroy COUNTY Tyler
 QUADRANGLE Centerpoint 415 NW

SURFACE OWNER Ernest W. Glover ACREAGE 34.68 ac.
 OIL & GAS ROYALTY OWNER Pennzoil Products Co. et.al. LEASE ACREAGE 22 ac.
 LEASE NO. 57111-00

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

DEC 1 1993

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Gordon ESTIMATED DEPTH 3225'
 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

FORM IV-6

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

Well Operator's Report of Well Work

Farm name: GLOVER, ERNEST W. Operator Well No.: R.L. BALL # L-7

LOCATION: Elevation: 1,243.00 Quadrangle: CENTER POINT

District: MCELROY County: TYLER
Latitude: 900 Feet South of 39 Deg. 27Min. 30 Sec.
Longitude 2400 Feet West of 80 Deg. 40 Min. Sec.

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

Agent: JAMES A. CREWS

Inspector: MIKE UNDERWOOD
Permit Issued: 12/08/93
Well work Commenced: 07/30/94
Well work Completed: 09/16/94
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 3237'
Fresh water depths (ft) N/A
Salt water depths (ft) N/A

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. To surface |
|----------------------|------------------|--------------|-----------------------------------|
| 8-5/8 | 352 | 352 | 50 sks. |
| 4-1/2 | 3195 | 3195 | 300 sks. |
| | | | |
| | | | |

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

OPEN FLOW DATA * Water Injection Well

Producing formation Gordon Pay zone depth (ft) 3120-3148
 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: 1/4/95

TREATMENT

Perforated with 16 holes 3135'-3139' & 3143'-3147'. Treated with 300 gallons 15% HCL acid, 282 barrels gelled water and 7000# of 20/40 sand.

WELL LOG

| | |
|--------------|-------------|
| Sand & Shale | 0'-1450' |
| Sand | 1450'-1500' |
| Sand & Shale | 1500'-1608' |
| Sand | 1608'-1630' |
| Shale | 1630'-1650' |
| Sand | 1650'-1750' |
| Shale | 1750'-1900' |
| Sand | 1900'-1980' |
| Sand & Shale | 1980'-2100' |
| Shale | 2100'-2278' |
| Sand | 2278'-2290' |
| Shale | 2290'-2310' |
| Big Injun | 2310'-2553' |
| Shale | 2553'-3120' |
| Gordon | 3120'-3148' |
| T.D. | 3237' |