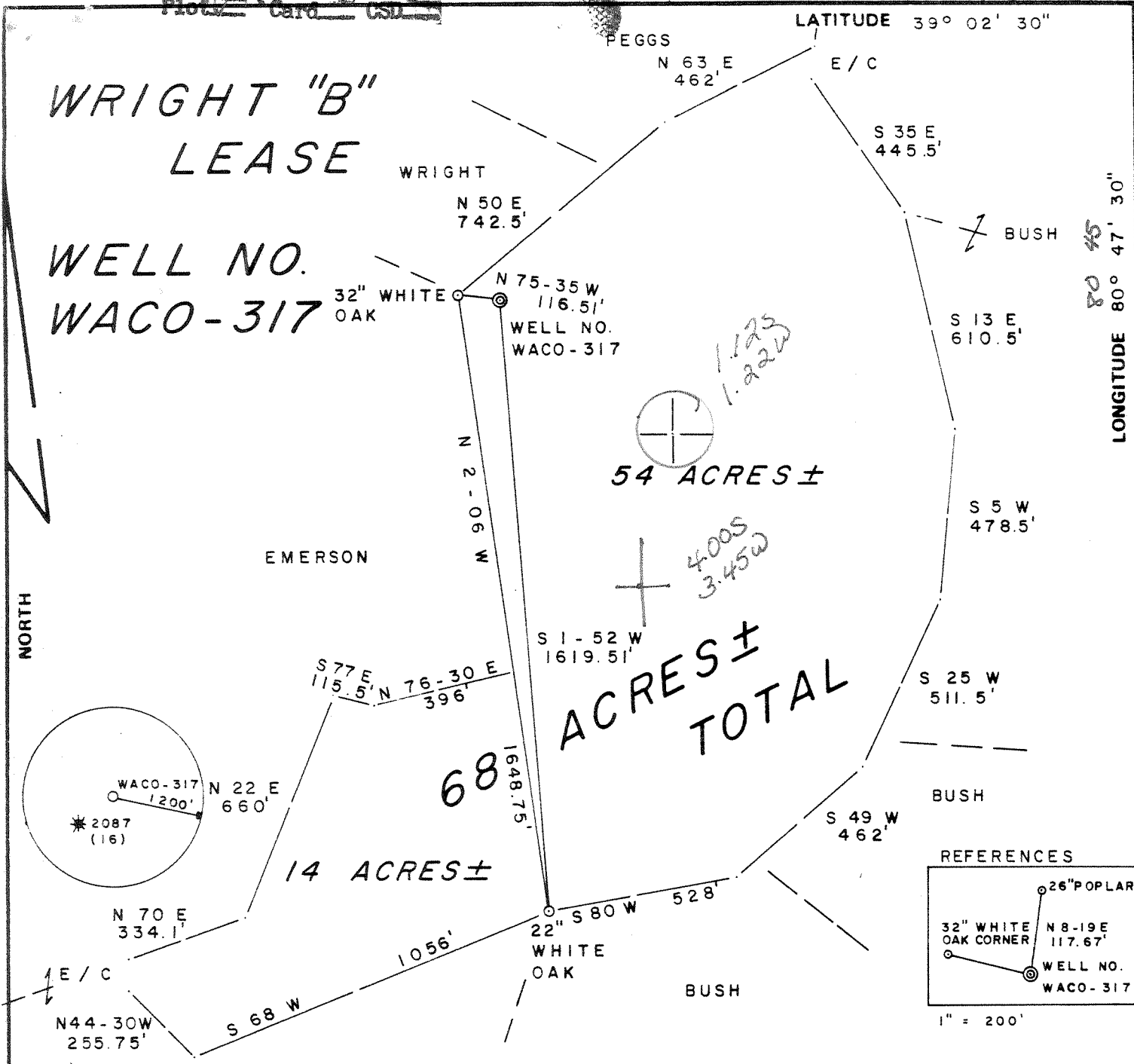


Plot Card CSD

LATITUDE 39° 02' 30"

WRIGHT "B" LEASE

WELL NO. WACO-317



FILE NO. 14-26
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION JUNCT. OF ROADS _____
 ELEV. 760'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE MAY 17, 19 84
 OPERATOR'S WELL NO. WACO - 317
 API WELL NO. _____
47 - 021 - 4204
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1107' WATER SHED HORN CREEK
 DISTRICT TROY COUNTY GILMER
 QUADRANGLE 224 AUBURN 7.5' Holbrook 15' SE 9
 SURFACE OWNER DOY WRIGHT, et. ux. ACREAGE 68
 OIL & GAS ROYALTY OWNER DOY WRIGHT, et. ux. LEASE ACREAGE 68
 LEASE NO. _____
 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) _____
 PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION ELK ESTIMATED DEPTH 5300'
 WELL OPERATOR WACO OIL & GAS CO., INC. DESIGNATED AGENT KENNY GREENLIEF
 ADDRESS P.O. BOX 4 ADDRESS P.O. BOX 4
GLENVILLE, WV 26351 GLENVILLE, WV 26351

JUL 9 1984

FORM IV-35
(REVERSE)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

BENSON - 4738 to 4742 - 500 Gal 15% Hcl, (30,000# 20-40)

2ND RILEY, BALLTOWN - 3836 to 4354 - 500 Gal. 15% Hcl, (20,000# 20-40)

SPEECHLY - 3180 to 3276 - 500 Gal. 15% Hcl, (20,000# 20-40)

*Balltown 3836-4340
Riley 4340-4354*

WELL LOG

| FORMATION | COLOR | HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|-----------------------|-------|--------------|----------|-------------|---|
| | | | | | Including indication of all fresh and salt water, coal, oil and gas |
| Clay | | | 0 | 4 | |
| Sand, Shale | | | 4 | 120 | ½" Fresh Water @ 85' |
| Sand, Shale, Red Rock | | | 120 | 1874 | |
| Little Lime | | | 1874 | 1908 | |
| Shale | | | 1908 | 1915 | |
| Big Lime | | | 1915 | 2012 | |
| Big Injun | | | 2012 | 2050 | |
| Sand, Shale | | | 2050 | 3180 | |
| Speechly Section | | | 3180 | 3830 | Gas at TD - 14/10 -1/2" W/W |
| Balltown Section | | | 3830 | 4340 | |
| Riley Section | | | 4340 | 4740 | |
| Benson | | | 4740 | 4780 | |
| Sand, Shale | | | 4780 | 5000 | |
| Alexander | | | 5000 | 5040 | |
| Elk | | | 5070 | 5100 | |
| Shale | | | 5100 | 5331 | - TD |

(Attach separate sheets as necessary)

Waco Oil and Gas Company

Well Operator

By: *Kenneth Greenlief*

Date: *5/8/14*

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



1) Date: June 11, 19 84
 2) Operator's Well No. Waco #317
 3) API Well No. 47 - 021 - 4204
 State County Permit

RECEIVED

JUN 11 1984

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A On Gas / Oil
 DEPT. OF MINES (In Gas, Production / Underground storage Deep / Shallow)
 5) LOCATION: Elevation: 1107' Watershed: Horn Creek (LK 75 F)
 District: Troy County: Gilmer Quadrangle: Auburn 7.5'
 6) WELL OPERATOR Waco Oil & Gas Co., Inc. 7) DESIGNATED AGENT Kenneth Greenlief
 Address 1297 N. Lewis Street Address 1297 N. Lewis Street
Glenville, WV 26351 Glenville, WV 26351
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name I. L. Morris Well Service
 Address Route 1, Box 5 Address 1297 N. Lewis Street
Sandridge, WV 25274 Glenville, WV 26351
 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) _____
 11) GEOLOGICAL TARGET FORMATION, Elk
 12) Estimated depth of completed well, 5400 feet
 13) Approximate trata depths: Fresh, 100 feet; salt, none feet.
 14) Approximate coal seam depths: none Is coal being mined in the area? Yes / No

15) 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 | | | | | | | | | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 8 5/8 | | 20 | X | | 800 | 800 | 100 sacks | CTS NEAT or as req. by rule 15.01 |
| Production | 4 1/2 | | 10.5 | X | | | 5400 | 500 sacks | |
| Tubing | | | | | | | | | Depths set |
| Liners | | | | | | | | | Perforations. |
| | | | | | | | | | Top Bottom |

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-021-4204 Date June 27, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires June 27, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|----------------------|-------------------|-----------------|------------------|-----------------|
| Bond: <u>Blanket</u> | Agent: <u>hmh</u> | Plat: <u>mh</u> | Casing <u>mh</u> | Fee <u>1087</u> |
|----------------------|-------------------|-----------------|------------------|-----------------|

[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.