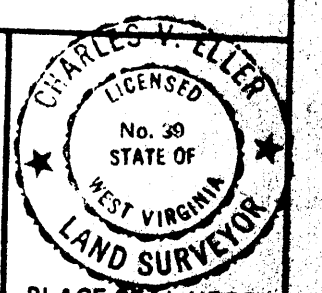


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEVATION B.M. R-138
823'

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) Charles V. Eller
 R.P.E. _____ L.L.S. No. 39



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



DATE FEB 28, 191981
 OPERATOR'S WELL NO. 153
 API WELL NO. 47-103-1223
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 1509' WATER SHED BUFFALO RUN
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE CENTER POINT N1510C
 SURFACE OWNER LEWIS WETZEL HUNTING GROUND ACREAGE 5228.50
 OIL & GAS ROYALTY OWNER MILLS WETZEL LANDS, INC. LEASE ACREAGE 5228.50
 LEASE NO. W-195
 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 3550
 WELL OPERATOR QUAKER STATE OIL REF. CORP. DESIGNATED AGENT CARL J. CARLSON
 ADDRESS P.O. Box # 1327 ADDRESS P.O. Box # 1327
PARKERSBURG, W. VA. 26101 PARKERSBURG, W. VA. 26101

DRILLER'S RECORD

Previously Requested, but NOT
AVAILABLE

DATE: _____

<u>103</u> COUNTY	<u>1223</u> PERMIT
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ID: COUNTY: 103 (WETZEL) PERMIT: 1223 SFX: 0 (New Location) REASSIGNED ID #: ()

COMPLETION INFO: ELEVATION: 1 COMP REC FLAG: (not@DOE/OGIS) * LOCATION TAX DST:
ELEVATION TYPE: G RIG TYPE: 0 * INFO: 7.5' LATITUDE: 00 DEGREES MINUTES MILES
(Ground Lvl) (unknown) * 00 00.0 0.00S
* LONGITUDE: 00 00.0 0.00W
* QUADRANGLE:
* 15' LATITUDE: 00 00 0.00S
* LONGITUDE: 00 00 0.00W
* QUADRANGLE:
* 5' SECT:
* UTM: EASTING: NORTHING:
* COORDINATE DIGITIZED (Y/N):
* OWNER STATUS: C (CmPltd) DATE: / /
* INFO: SURFACE OWNER: Mills-Wetzel Lnd
OIL&GAS OWNER:
COMPANY NUMBER: (153)
OPERATOR: 0721 (Quaker State)
*
OPEN GAS-BEFORE TREATMENT: (MCFPD) OIL-BEFORE TREATMENT: (BOPD)
FLOW: GAS-AFTER TREATMENT: (MCFPD) OIL-AFTER TREATMENT: (BOPD)
ROCK NATURAL (PSI): 0 TIME (NATURAL, IN HOURS): 0
PRESSURE: TREATED (PSI): 0 TIME (TREATED, IN HOURS): 0
DEPTHS: TOTAL FTG: 0 NEW FTG: 0 EXPL FTG: 0
DEEPEST FM: AT TOTAL DEPTH: 999 TESTED: 999
(undetermined unit) (undetermined unit)

Table with columns: STRAT INFO, FORMATION, FM QUALITY, DEPTH, DEPTH QLTY, THCKNS, THCKNS QLTY, ELEV, ELEVATION TYPE. Rows include Greenbrier Group, Bis Lime, Bis Injun (Grnbr), Bis Injun (Pocono), Pocono, Weir, Sunbury Sh, Berea Ss, UDev undf;Ber/LoHURN, Gordon Stray.

MECHANICAL LOG INFO: STATUS: RANGE OF INTERVALS: 50- 3522 DEEPEST FM LOGGED:
LOGS AVAILABLE: GR,D,N,I,* MICROFILM ROLL NUMBER(S): 108
COMMENT:
LOG TYPES: GR-samma ray; D-density; T-temperature; I-induction; N-neutron; S-sonic; *Other types not noted

Table with columns: PRODUCTION INFO, GAS (VOLUMES IN MCF), YEAR, REPORTING OPER, STS, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC, ANNUAL, PRESSURES: FLOW, SHUT. Rows for years 1981-1988.

Table with columns: OIL (VOLUMES IN BBL), YEAR, REPORTING OPER, STS, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC, ANNUAL. Rows for years 1981-1988.

Table with columns: DAYS ON LINE, YEAR, REPORTING OPER, STS, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC, ANNUAL. Rows for years 1981-1988.