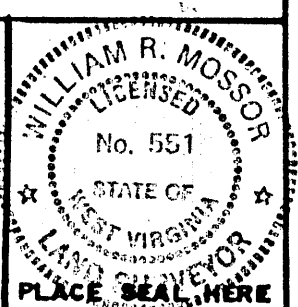


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Road Int. 689'

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) William R. Mossor
 R.P.E. _____ L.L.S. 551



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



DATE 27 May, 19 81
 OPERATOR'S WELL NO Thomas IK
 API WELL NO. 47-095-0917
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

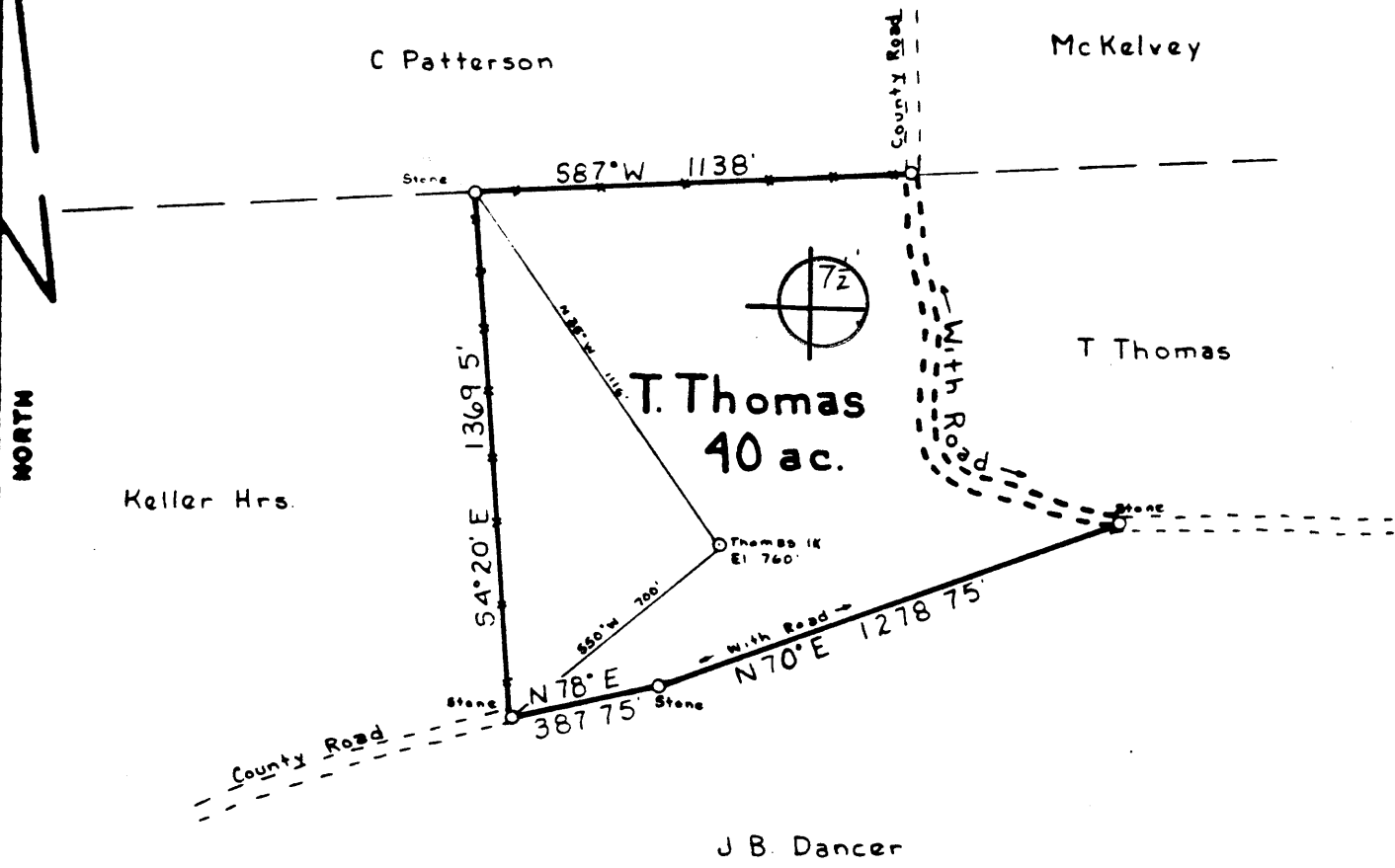
CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 760' WATER SHED Stewart Run
 DISTRICT Union COUNTY Tyler
 QUADRANGLE Middlebourne, W.Va. 7 1/2' Quad
 SURFACE OWNER T. Thomas ACREAGE 40
 OIL & GAS ROYALTY OWNER T. Thomas LEASE ACREAGE 40
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Shale ESTIMATED DEPTH 4500'
 WELL OPERATOR Lauderman O&G DESIGNATED AGENT Phillip Morgan ^{FEB} 8 1987
 ADDRESS Box 266 ADDRESS Box 266
Paden City, W.Va. 26159 Paden City, W.Va. 26159

1.36S
3.64W



80° 55' 30" LONGITUDE



FILE NO. _____
 DRAWING NO _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION Road Int. 689'

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) *William P. Hump*
 R.P.E. _____ I.L.S. 51

PLACE SEAL HERE

INDICATES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-B
 10-78



DATE 27 May 1981
 OPERATOR'S WELL NO Thomas IK
 API WELL NO 47-095
 STATE COUNTY PERMIT 0917

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 760' WATER SHED Stewart Run
 DISTRICT Union COUNTY Tyler
 QUADRANGLE Middlebourne, W.Va. 7 1/2' Quad West Union NW
 SURFACE OWNER T. Thomas ACRES 40
 OIL & GAS ROYALTY OWNER T. Thomas LEASE ACRES 40
 LEASE NO. _____
 PROPOSED WORK DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OR OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Shale ESTIMATED DEPTH 4500'
 WELL OPERATOR Lauderman O.G. DESIGNATED AGENT Phillip Morgan
 ADDRESS Box 266 Paden City, W.Va. 26159 ADDRESS Box 266 Paden City, W.Va. 26159

OIL AND GAS WELL PERMIT APPLICATION

Farm 072791
Name: T. Thomas #1K
API No. 47 095-0917
State County

WELL TYPE: Oil / Gas
(If "Gas", Production ___ / Underground storage ___ / Deep / Shallow ___ /
LOCATION: Elevation: 750' Watershed: Stewart Run
District: Union County: Tyler Quadrangle: Middlebourne 72

WELL OPERATOR Lauderman Oil & Gas Drilling DESIGNATED AGENT Phillip Morgan
Address 311 S. 4th Avenue Address P.O. Box 266
Paden City, W.Va. 26159 Paden City, W.Va. 26159

OIL & GAS ROYALTY OWNER T. Thomas COAL OPERATOR _____
Address W.Va. 26146 Address _____

ACREAGE 40 COAL OWNER(S) WITH DECLARATION ON RECORD:

SURFACE OWNER T. Thomas Name N/A
Address _____ Address RECEIVED
ACREAGE _____ JUN - 9 1981
Name _____
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
Name _____
Address _____
COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
Name Phillip Tracy Rt. 23 Alma, W.Va
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease / other contract ___ / dated Apr. 27, 1981, to the undersigned well operator from Thurman E. Thomas
(If said deed, lease or other contract has been recorded:)
Recorded on Middlebourne, 1981, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Middlebourne Book 230, at page 488. A permit is requested as follows:

PROPOSED WORK: Drill / Drill Deeper ___ / Redrill ___ / Fracture or stimulate ___ /
Plug off old formation ___ / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.
The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by Department of Mines.
Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessees on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOLOGICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS
15 Washington Street, East
BLANKET BOND
Phillip Morgan
Well Operator

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Pan= Eastern Address Clarksburg, W.Va.

GEOLOGICAL TARGET FORMATION, Shale

Estimated depth of completed well, 4500' feet Rotary X / Cable tools / Approximate water strata depths: Fresh, 90 feet; salt, 170 feet. Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No XX /

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom). Rows include Conductor, Fresh water, Coal, Intermediate, Production, Tubing, and Liners.

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-10-82.

[Signature] Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____, 19_____

By _____ Its _____