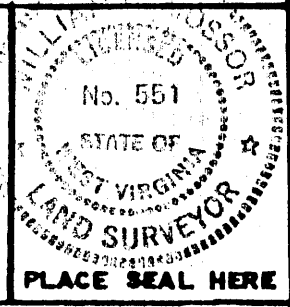


FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION High Point 885'

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. Moore
 R.P.E. _____ L.L.S. 551



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

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

DATE 28 May, 19 81
 OPERATOR'S WELL NO Thomas #2
 API WELL NO. 47-095-0918
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 922' WATER SHED Middle Island Creek
 DISTRICT Ellsworth COUNTY Tyler
 QUADRANGLE Middleborne, W.Va. 7 1/2' Quad.

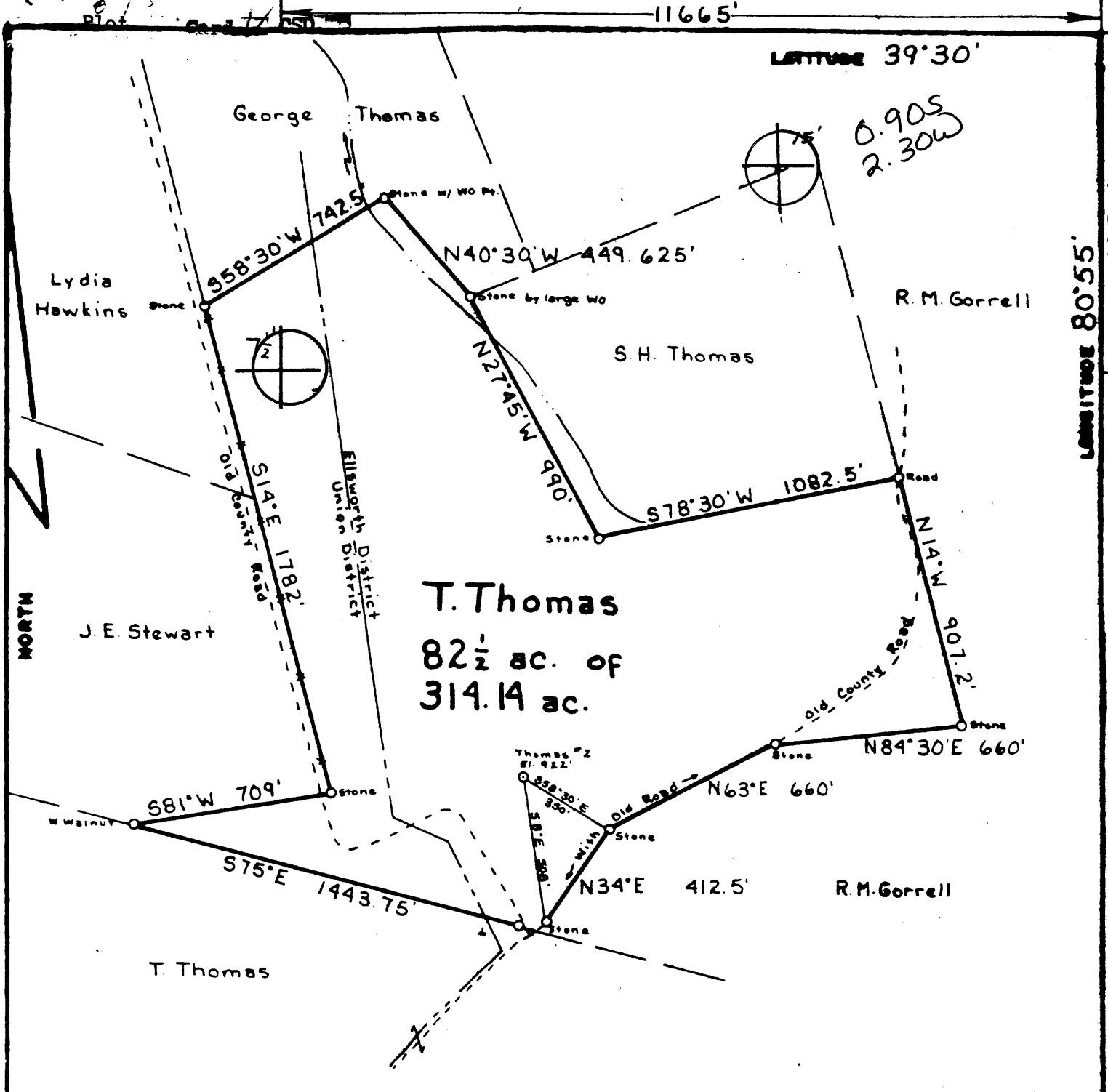
SURFACE OWNER T. Thomas ACREAGE 82 1/2
 OIL & GAS ROYALTY OWNER T. Thomas LEASE ACREAGE 314.14
 LEASE NO. _____

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' FEB 18 1987
 WELL OPERATOR Lauderman O+G DESIGNATED AGENT Phillip Morgan
 ADDRESS Box 266 ADDRESS Box 266
Paden City, W.Va. 26159 Paden City, W.Va. 26159



CANCELLED



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:200
 PROVEN SOURCE OF ELEVATION High Point 885'

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) Phillip Morgan
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 28 May, 1981
 OPERATOR'S WELL NO. Thomas #2
 API WELL NO. 47-095-0918
 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 922' WATER SHED Middle Island Creek
 DISTRICT Ellsworth COUNTY Tyler
 QUADRANGLE Middleborne, W.Va. 7 1/2' Quad. West Union 15' NW
 SURFACE OWNER T. Thomas ACREAGE 82 1/2
 OIL & GAS ROYALTY OWNER T. Thomas LEASE NO. _____ LEASE ACREAGE 314.14
 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 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

JUN 29 1981

June 10 1981 Name: THOMAS

OIL AND GAS WELL PERMIT APPLICATION

API No. 47 095
State Court

WELL TYPE: Oil X / Gas Y /
(If "Gas", Production ___ / Underground storage ___ / Deep ___ / Shallow ___)

LOCATION: Elevation: 922 Watershed: Middle Island Creek

District: ELLSWORTH County: Tyler Quadrangle: MVA 7 1/2

WELL OPERATOR Lauderman Oil Gas DESIGNATED AGENT Phillip Morgan

Address PO Box 266 Address SAME
Paden City, WVA

OIL & GAS ROYALTY OWNER T Thomas COAL OPERATOR N/A

Address RFD Friendly Address _____
MVA 26146

Acreage 82 1/2 COAL OWNER(S) WITH DECLARATION ON RECORD

SURFACE OWNER T Thomas Name N/A

Address SAME Address _____

Acreage 314.14 Name N/A

FIELD SALE (IF MADE) TO: _____ Address _____

Name N/A _____

Address _____ Name N/A

OIL AND GAS INSPECTOR TO BE NOTIFIED: _____ Address _____

Name Alma, WVA _____

The undersigned well operator is entitled to operate for oil or gas purposes at the location under a deed ___ / lease X / other contract ___ / dated 5/15, 1981, to

undersigned well operator from Thurman E Thomas,
(If said deed, lease or other contract has been recorded:)

recorded on 5/30, 1981, in the office of the Clerk of the County Commission of _____
County, West Virginia, in Middlebourn Book 230, at page 702. A permit is requested as

PROPOSED WORK: Drill X / Drill Deeper ___ / Redrill ___ / Fracture or stimulate X

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 registered by registered mail or delivered by hand to the above named coal operator, coal owner(s), coal lessee 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 GEOPHYSICAL LOGS DIRECTLY TO: OFFICE OF OIL AND GAS
1615 Washington Street, East

BLANKET BOND

Lauderman Oil Gas
Phillip Morgan, Agent
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) UNKNOWN
Address

GEOLOGICAL TARGET FORMATION, Ohio Shale

Estimated depth of completed well, 4500 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 110 feet; salt, 1700 feet.

Approximate coal seam depths: Is coal being mined in the area? Yes / No /

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 PILL-UP OR SACKS (Cubic feet), PACKERS (Kinds, Sizes, Depths set, Perforations: Top, Bottom)

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 operations being in accordance with Chapter 22, of the West Virginia Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 2-16-82.

Signature of Deputy Director - Oil & Gas Division

Signature of Surveyor

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