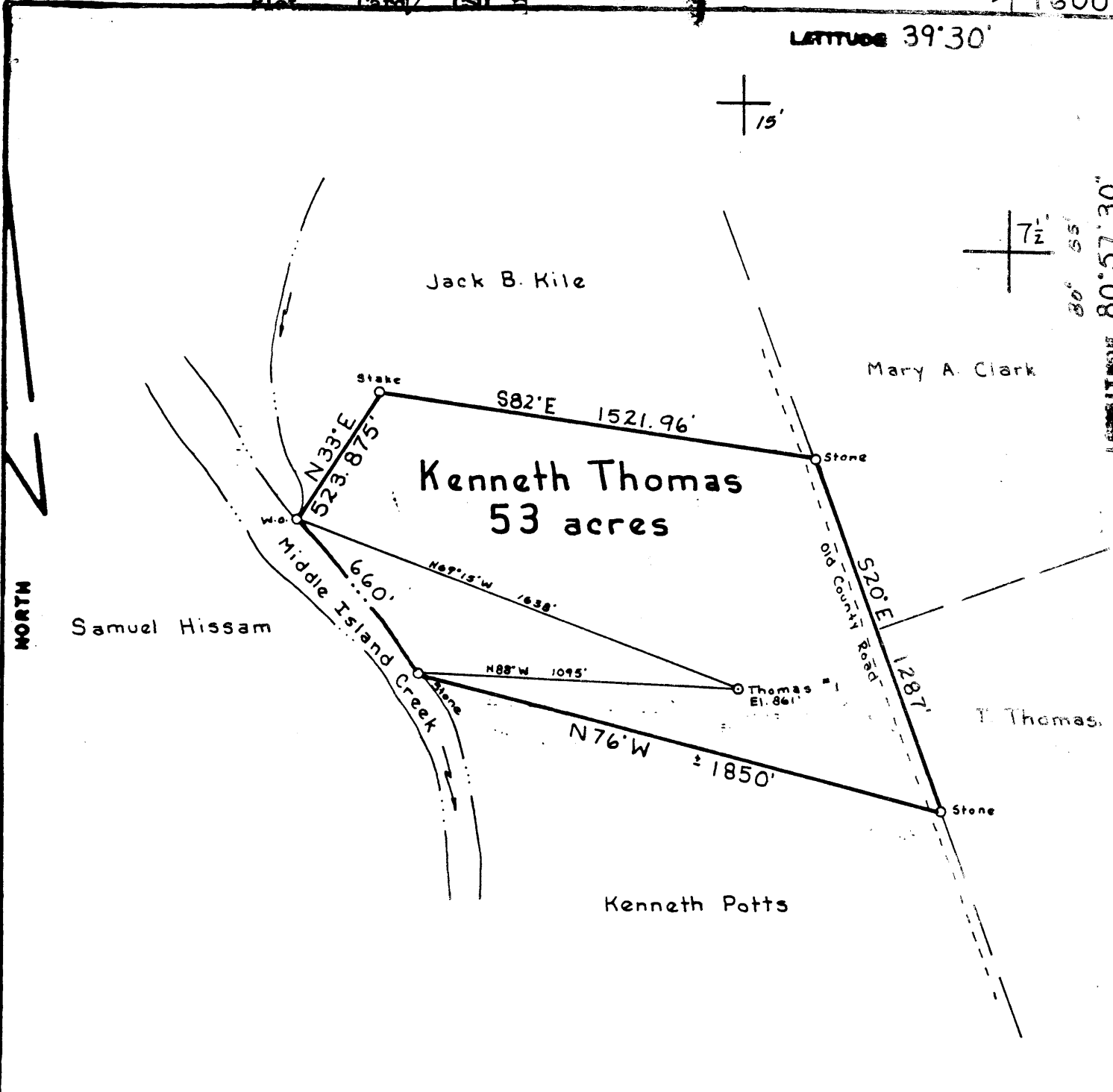


LATITUDE 39°30'

1600



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. Plassor*
 R.P.E. _____ L.L.S. 551



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



DATE 10 June, 19 81
 OPERATOR'S WELL NO Thomas #1
 API WELL NO. 47-095-0920
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

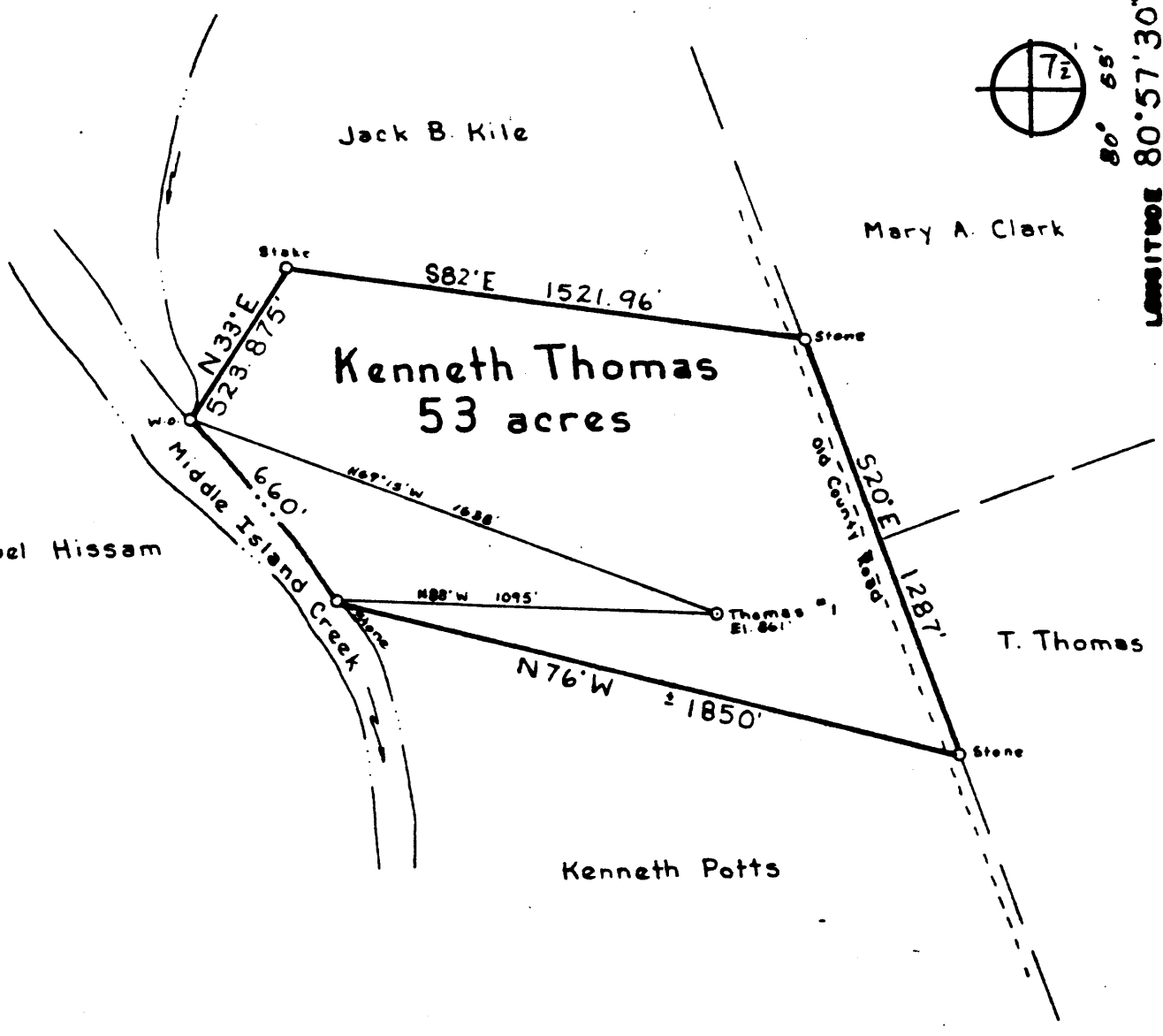
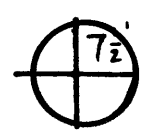
CANCELLED
ORIGINAL

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 861' WATER SHED Middle Island Creek
 DISTRICT Union COUNTY Tyler
 QUADRANGLE Middlebourne, W.Va. 7 1/2' Quad.
 SURFACE OWNER Kenneth Thomas ACREAGE 53
 OIL & GAS ROYALTY OWNER Kenneth Thomas LEASE ACREAGE 53
 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) _____
 PLUS AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Shale ESTIMATED DEPTH 4500'
 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

NORTH



0.645
2.62W



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



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



DATE 10 June, 1981
 OPERATOR'S WELL NO Thomas #1
 API WELL NO. _____
47 - 095 - 0920
 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 861 WATER SHED Middle Island Creek
 DISTRICT Union COUNTY Tyler
 QUADRANGLE Middlebourne, W.Va. 7 1/2 Quad. West Union NW
 SURFACE OWNER Kenneth Thomas ACREAGE 53
 OIL & GAS ROYALTY OWNER Kenneth Thomas LEASE ACREAGE 53
 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
 ADDRESS Box 266 ADDRESS Box 266
Paden City, W.Va. 26159 Paden City, W.Va. 26159

JUL 09 1981



Well No. ONE
Farm Kenneth Thomas
API # 47-095 0920
Date 6-22-1980

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil X / Gas X /

(If "Gas", Production X / Underground storage / Deep X / Shallow X /

LOCATION: Elevation: 861 Watershed: Middle Island Creek
District: UNION County: TYLER Quadrangle: Middlebourne

WELL OPERATOR Lauderman Oil & Gas
Address PO Box 266,
Padon City, WVA

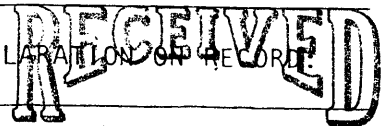
DESIGNATED AGENT Phillip Morgan
Address same

OIL AND GAS ROYALTY OWNER Kenneth Thomas
Address Rt 1, Middlebourne,
West Virginia
Acreage 53

COAL OPERATOR N/A
Address

SURFACE OWNER same
Address
Acreage 53

COAL OWNER(S) WITH DECLARATION ON RECORD
NAME N/A
Address



JUN 24 1981

NAME N/A
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
NAME N/A
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME N/A
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:
NAME Phillip Tracy
Address RFD. ALMA WVA.
Telephone

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated 15th May 1981 to the undersigned well operator from Kenneth Thomas & Lora Thomas.

(If deed, lease, or other contract has been recorded:)

Recorded on May 30, 1981, in the office of the Clerk of County Commission of Tyler County, West Virginia, in 230 Book at page 706. A permit is requested as follows:

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 receipt of this Application by the Dept. 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 Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

Lauderman Oil & Gas

Well Operator

By: Phillip Morgan
Phillip Morgan

BLANKET BOND

(Revised 3-81)

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

Estimated depth of completed well ~~48~~ 4500 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, 90 feet; salt, 1600 feet.
Approximate coal seam depths: N/A.
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drilling	Left in Well		
Conductor									Kinds
Fresh water	<u>8 7/8</u>	<u>ERW</u>	<u>24</u>	<u> </u>	<u> </u>	<u>260</u>	<u>for mud</u>	<u>Rotary</u>	<u>Cement</u>
Coal						<u>1100 ft</u>	<u>for air</u>	<u>Rotary</u>	<u>Cement</u>
Intermed.									
Production Tubing	<u>4 1/4</u>	<u>Conn. Weld</u>	<u>10.50</u>	<u> </u>	<u> </u>	<u>To T.D. of well</u>	<u>connected back to 1200 ft. below</u>		Depths set
Liners							<u>surface</u>		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 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 2-26-82.

J. E. Huggins
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 regularions.

Date: _____, 19____.

By: _____

Its: _____