

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1:300
 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 P. Plaster
 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 16 June, 19 81
 OPERATOR'S WELL NO. Thomas 4
 API WELL NO. 47-095-0922
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

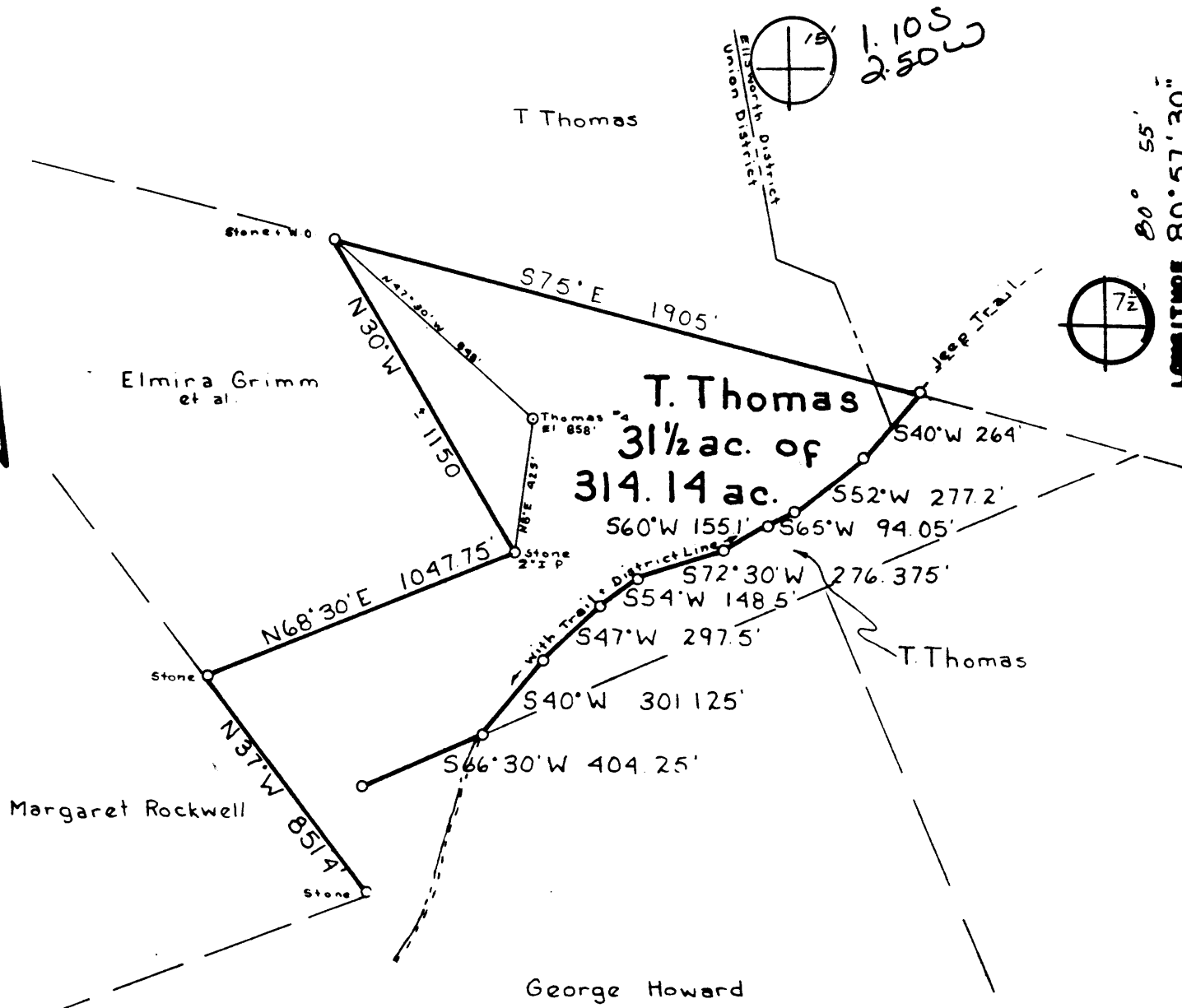
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 858' WATER SHED Middle Island Creek
 DISTRICT Union COUNTY Tyler
 QUADRANGLE Middlebourne, W. Va. 7 1/2 Quad
 SURFACE OWNER T. Thomas ACREAGE 3 1/2
 OIL & GAS ROYALTY 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'
 WELL OPERATOR Lauderman O+G DESIGNATED AGENT Phillip Morgan AUG 16 1982
 ADDRESS Box 266 ADDRESS Box 266
Paden City, W. Va. 26159 Paden City, W. Va. 26159

LATITUDE 39°30'

LONGITUDE 80°57'30"

5300'

NORTH



FILE NO. _____
 DRAWING NO. _____
 SCALE 1"=500'
 MINIMUM DEGREE OF ACCURACY 1:300
 PROVEN SOURCE OF ELEVATION High Point 885'

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 (SIGNED) William P. Messer
 R.P.E. _____ L.L.S. 551

PLACE SEAL HERE

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



DATE 16 June, 1981
 OPERATOR'S WELL NO Thomas 4
 API WELL NO. 47-095-0922
 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
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 DISTRICT Union COUNTY Tyler
 QUADRANGLE Middlebourne, W. Va. 7 1/2' Quad West U.N.W
 SURFACE OWNER T. Thomas ACREAGE 3 1/2
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 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

JUL 20 1981



Well No. 4
Farm T Thomas
API # 47-095-922
Date 7-2-81

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

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas /

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

LOCATION: Elevation: 858 Watershed: Middle Island creek
District: UNION County: Tyler Quadrangle: Middlebourne 7 1/2

WELL OPERATOR Lauderman Oil & Gas
Address PO Box 266
Padon City, WVA 26159

DESIGNATED AGENT Phillip Morgan
Address same

OIL AND GAS ROYALTY OWNER T. Thomas
Address Rt 1, Friendly WVA
26146
Acreage 31.5

COAL OPERATOR N/A.
Address _____

SURFACE OWNER same
Address _____
Acreage 314.14

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

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

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, West Virginia
Telephone 304 758 4573

RECEIVED
JUL - 6 1981
OIL & GAS DIVISION
DEPT. OF MINES

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

(If said 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 715. 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 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

Blanket Bond ts: Agent

(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 Ohio Shale

Estimated depth of completed well 4500 feet. Rotary X Cable tools 1
Approximate water strata depths: Fresh, 90 feet; salt, 1600 feet.
Approximate coal seam depths: N/A.
Is coal being mined in this area: Yes 1 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 Drill-ling		
Conductor								Kinds
Fresh water	<u>8 5/8</u>	<u>ERW</u>	<u>29</u>	<u>✓</u>		<u>250'</u>	<u>Cemented to sur</u>	
Coal							<u>Using Mod Rotary</u>	Sizes
Intermed.						<u>1000</u>	<u>Cemented to sur.</u>	
Production	<u>4 1/4</u>	<u>CW</u>	<u>10.5</u>	<u>✓</u>		<u>4500</u>	<u>Auto Inlet IR Rotary</u>	Depths set
Tubing							<u>Cemented from T.D</u>	
Liners							<u>BACK to 1200' from sur</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

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 3-8-82.

J. E. Murray
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: _____