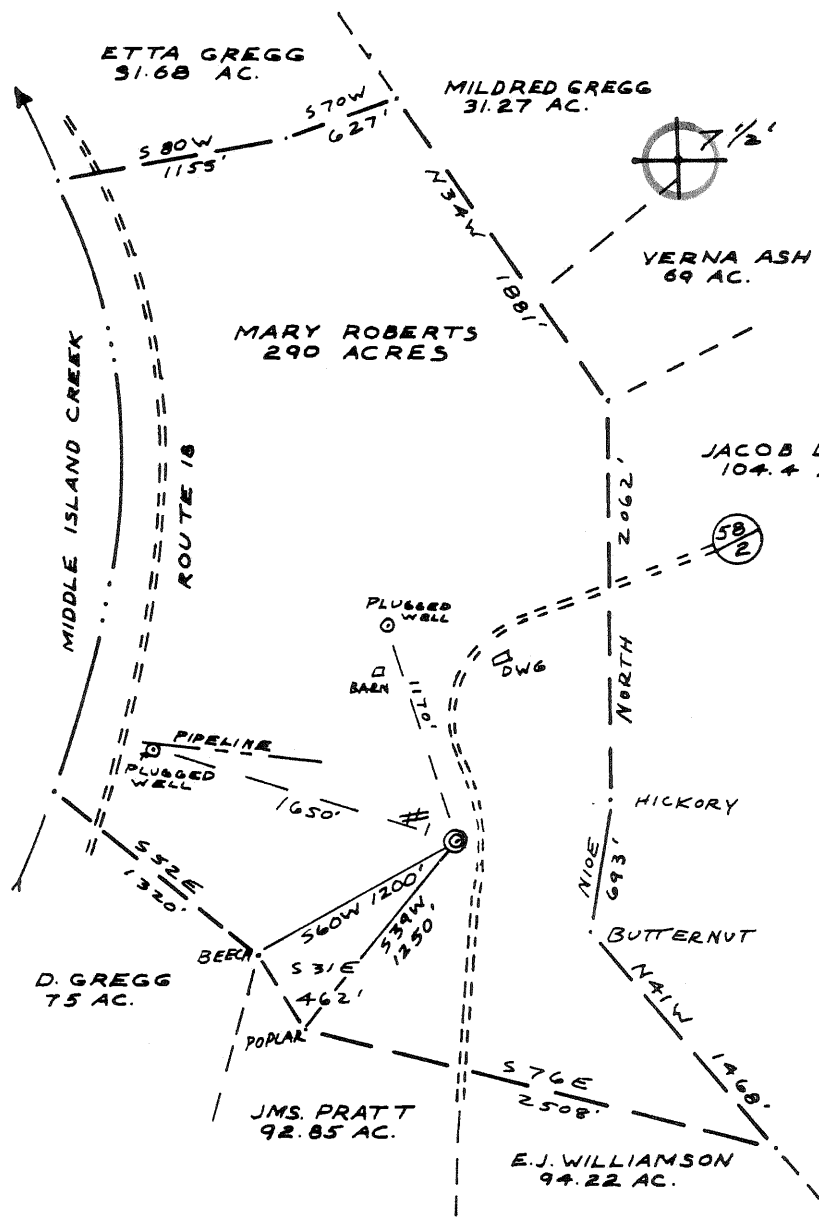


LATITUDE 39°22'30"
3950' SOUTH
4550' WEST

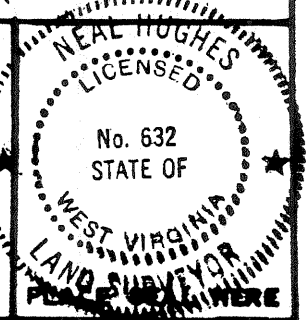
LONGITUDE 80°50'

NORTH



FILE NO. L+M
 DRAWING NO. 1
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 996'

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



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



DATE NOV. 5, 19 80
 OPERATOR'S WELL NO. 1 (REVISED)
 API WELL NO. 47-095-0878
 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 980' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT CENTERVILLE COUNTY TYLER
 QUADRANGLE WEST UNION 76415
 SURFACE OWNER MARY ROBERTS ACREAGE 290
 OIL & GAS ROYALTY OWNER JACOB COTTRILL LEASE ACREAGE 290
 LEASE NO. 42783
 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 Durbin Shale ESTIMATED DEPTH 4450
 WELL OPERATOR L.M. Pittsman Co DESIGNATED AGENT James Copen
 ADDRESS 41 E. 18th St ADDRESS 113 Shawnee
Musella, Ohio Williamstown, WV

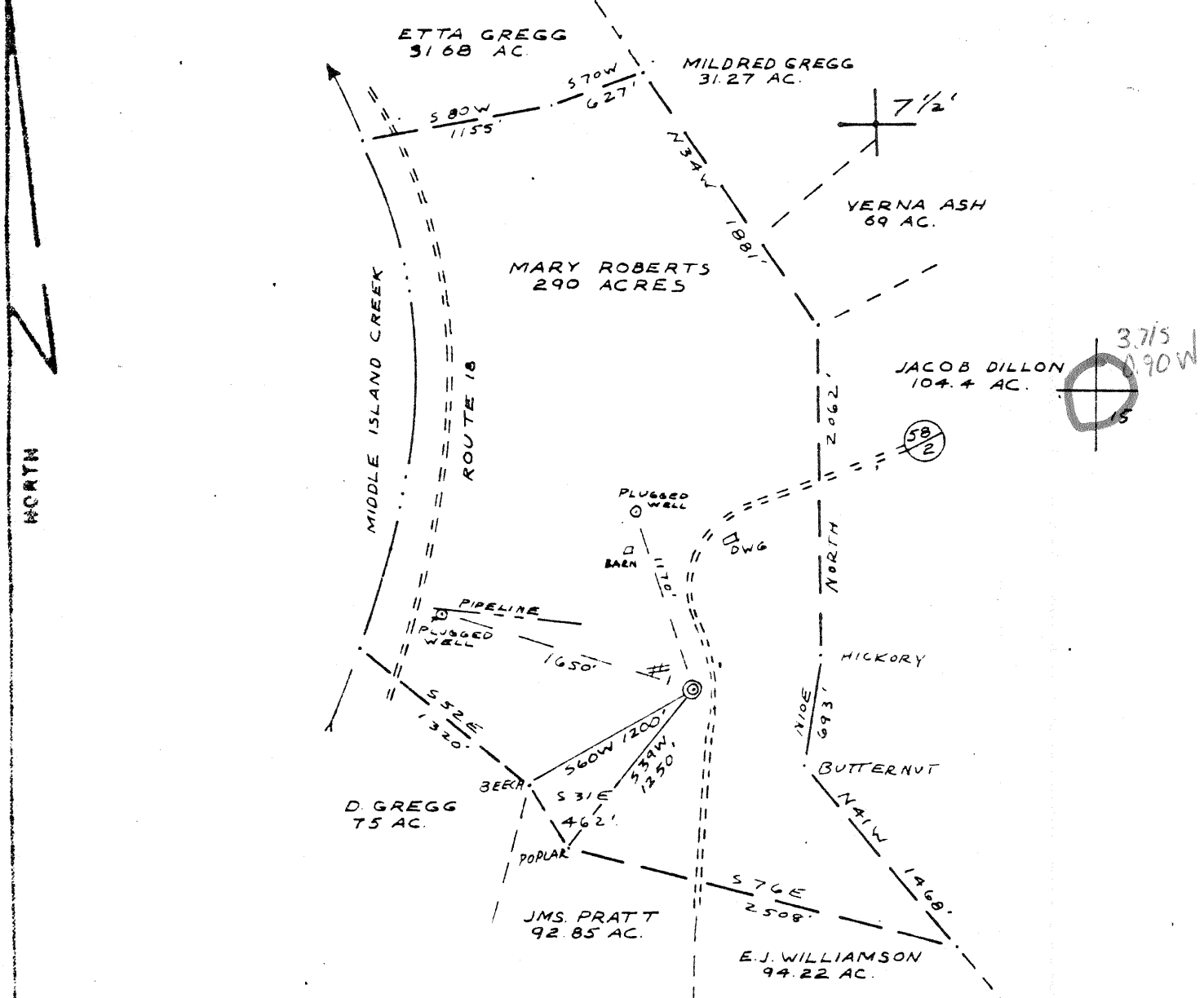
FEB 14 1983
 FEB 14 1983

LATITUDE 39° 22' 30"

3950' SOUTH

4550' WEST

LONGITUDE 80° 50'



FILE NO. L & M
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
996'

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



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



DATE NOV. 5 1980
 OPERATOR'S WELL NO. 1 (REVISED)
 API WELL NO. 47-095-0878
 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 980' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT CENTERVILLE COUNTY TYLER
 QUADRANGLE WEST UNION
 SURFACE OWNER MARY ROBERTS ACREAGE 290
 OIL & GAS ROYALTY OWNER JACOB COTTRILL LEASE ACREAGE 290
 LEASE NO. -42783
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON _____ CLEAN OUT AND REPLUS _____
 TARGET FORMATION Devonian Shale ESTIMATED DEPTH 4500
 WELL OPERATOR L.M. Petroleum Co. DESIGNATED AGENT Jossey Copm
 ADDRESS Ch. 1, Box 18, 6 ADDRESS 113 Shepard
Marion, Ohio Williamstown, W.V.

JAN 2 1980

Date: 11/6/80
Farm: 127-857
Name: Jacob Cottrill

OIL AND GAS WELL PERMIT APPLICATION

API No. 47-095-0878
State County Pe

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

LOCATION: Elevation: 980 Watershed: Middle Island Creek

District: Centerville County: Tyler Quadrangle: West Union

WELL OPERATOR L&M Petroleum Co. DESIGNATED AGENT Joanne Cogan
Address Rt. 1, Box 18-B Address 113 Sherwood
Marietta, Ohio 45750 Williamstown, WV 26187

OIL & GAS ROYALTY OWNER Jacob Cottrill (42783)
Address 207 Crown Avenue
Pennsboro, WV

COAL OPERATOR None
Address _____

Address 207 Crown Avenue
Pennsboro, WV
Acreage 290

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Jacob Cottrill
Address 207 Crown Avenue
Pennsboro, WV
Name _____
Address NOV 21 1980

SURFACE OWNER Mary Roberts
Address Middlebourne, WV
Acreage 290

COAL LESSEE WITH DECLARATION ON RECORD:
Name NA
Address _____

FIELD SALE (IF MADE) TO:
Name NA
Address _____

OIL AND GAS INSPECTOR TO BE NOTIFIED:
Name Phil Tracy - 758-4573

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 12/27, 1972, to the undersigned well operator from Jacob Cottrill made to Royal Resources
(If said deed, lease or other contract has been recorded:)

Recorded on _____, 19___, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 196, at page 255. A permit is requested as follows:

PROPOSED WORK: Drill xx / 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 abovenamed 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 GEOPHYSICAL LOGS DIRECTLY TO: **BLANKET BOARD**
OFFICE OF OIL AND GAS

Joanne Cogan Vice President
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) _____ Address _____

GEOLOGICAL TARGET FORMATION, Devonain Shale

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

Approximate water strata depths: Fresh, _____ feet; salt, _____ feet.

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

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)

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 7-25-81

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 _____