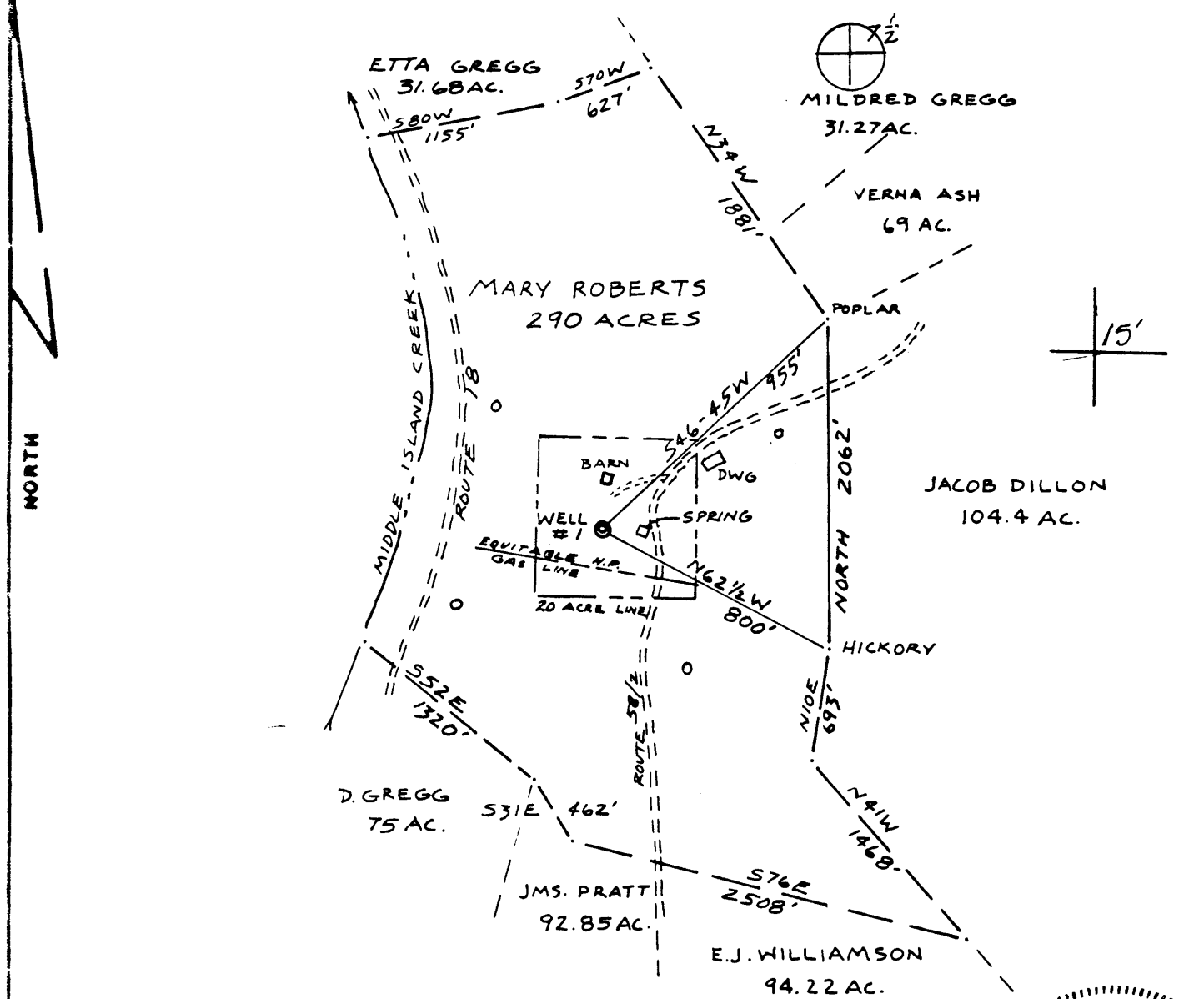


PROPOSED WELL

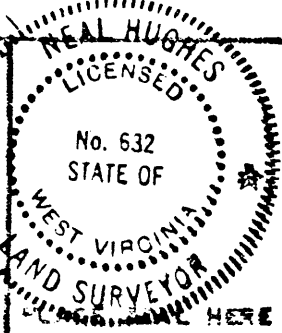
LETITUDE 39° 22' 30"
3350' SOUTH
4950' WEST

LONGITUDE 80° 50'



FILE NO. L+M
 DRAWING NO. 1
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 DATUM 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



INDICATES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM 10-6
 (8-1)



DATE AUG 19, 19 80
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-095-0850
 STATE _____ COUNTY _____ PERMIT _____

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

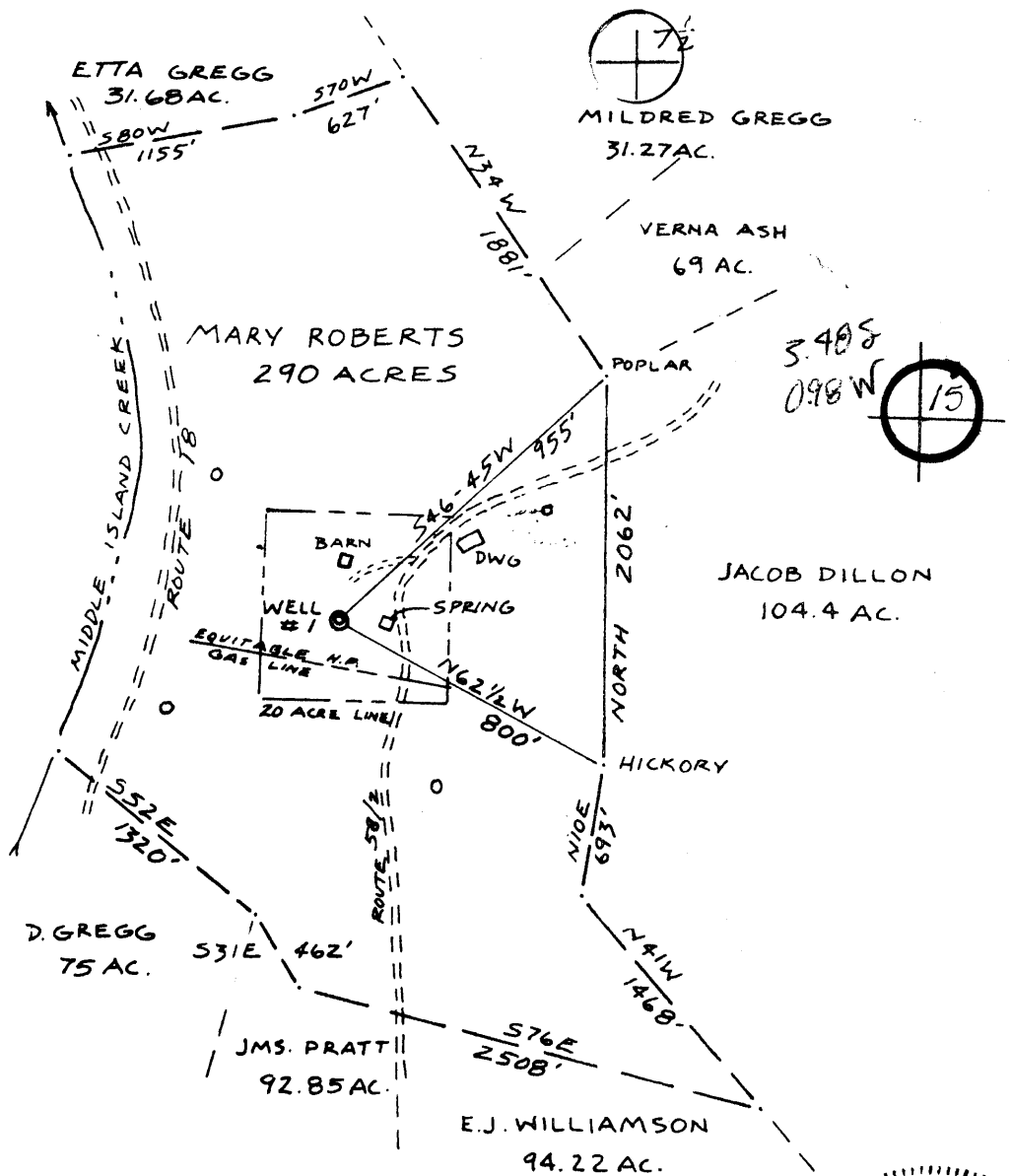
CANCELLED

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF GAS, PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 WELL ELEVATION 968' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT CENTERVILLE COUNTY TYLER
 OPERABLE WEST UNION 7-2-15'
 SURFACE OWNER MARY ROBERTS ACREAGE 290
 MINORITY ROYALTY OWNER JACOB COTRILL LEASE NO. 42783 LEASE ACREAGE 290
 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 REPLUS _____
 TARGET FORMATION Quincy Shale ESTIMATED DEPTH 4500'
 WELL OPERATOR L+M Petroleum Co. DESIGNATED AGENT Richard H. Nelson
 ADDRESS 411 Marshall, Ohio ADDRESS Parkersburg, WV
373-8776 422-7208

G PROPOSED WELL

(15) 39° 25'
 LATITUDE 39° 22' 30"
 3350' SOUTH
 4950' WEST

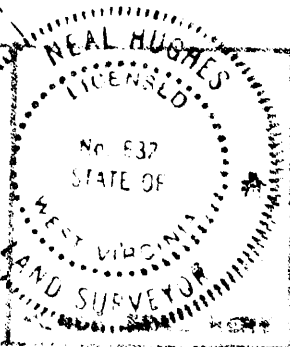


LONGIT 80° 50'

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

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF IN ACCORDANCE WITH THE INFORMATION FURNISHED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES AND GEOLOGY.

Neal Hughes
 632



LOCATION OF WELL IN UNITED STATES TERRITORIES MAPS
 PAGE 78

DATE AUG 19 1980
 OPERATOR'S WELL NO. 1
 WELL NO. 47-095 0850
 STATE COUNTY WEST VIRGINIA

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE GAS LIQUID WASTE DISPOSAL
 PRODUCTION
 ELEVATION 968' MIDDLE ISLAND CREEK
 OLD MINE CENTERVILLE TYLER
 GREENWELL WEST UNION 7 1/2 15'

LESSOR MARY ROBERTS ACRES 290
 LESSOR'S ROYALTY OWNER JACOB COTRILL ACRES 290
 LEASE NO. 42783

PROPOSED WORK DRILL CONVERT DRILL DEEPER REPAIR REPERFORATE
 STIMULATE PLUG CEMENT POPULATION REPERFORATE NEW
 FORMATION OTHER CHANGE IN WELL SERVICE

PLUG AND ABANDON CLEAR OUT AND REPLUS
 TARGET FORMATION Shinarump ESTIMATED DEPTH 4500'
 WELL OPERATOR L.M. Petroleum Co. DESIGNATED AGENT Richard Nelson
 ADDRESS 411 M. ... ADDRESS ...
373-9771 422-7208



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
SEP. 9 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION DEPT. OF MINES

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE September 8, 1980

Surface Owner Mary Roberts
Address Middlebourne, WV
Mineral Owner Jacob Cotrill
Address 207 Crown Ave., Pennsboro, WV
Coal Owner Same
Address _____
Coal Operator None
Address _____

Company L&M Petroleum Co.
Address Rt. #1, Marietta, OH 45750
Farm Jacob Cotrill Acres 290
Location (waters) Middle Island Creek
Well No. 1 Elevation 968'
District Centerville County Tyler
Quadrangle West Union

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 5-9-81.

Thomas E. Haggerty
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Phil Tracy
ADDRESS Middlebourne, WV
PHONE 758-4573

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Dec. 27 1972 by Jacob Cotrill made to Royal Resources and recorded on the _____ day of _____ 19 in Tyler County, Book 196 Page 255
 NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days.

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours, L&M Petroleum Co.
(Sign Name) Phil Tracy Asst. Sec.
Well Operator
Rt. #1, Box 18-B
Street
Marietta
City or Town
Ohio 45750
State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

47-095-0850

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by _____

BLANKET BOND

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT:
 NAME _____ NAME Richard Hudson
 ADDRESS _____ ADDRESS Parkersburg, WV 26101
 TELEPHONE _____ TELEPHONE 304-422-7208
 ESTIMATED DEPTH OF COMPLETED WELL: 4500' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Shale
 TYPE OF WELL: OIL _____ GAS _____ COMB. X STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16,			
13 - 10			
9 - 5/8			
8 - 5/8	250		125 sx (To Surface)
7			
5 1/2			
4 1/2	TD	TD	400 sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____

APPROXIMATE COAL DEPTHS _____

IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the _____ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title