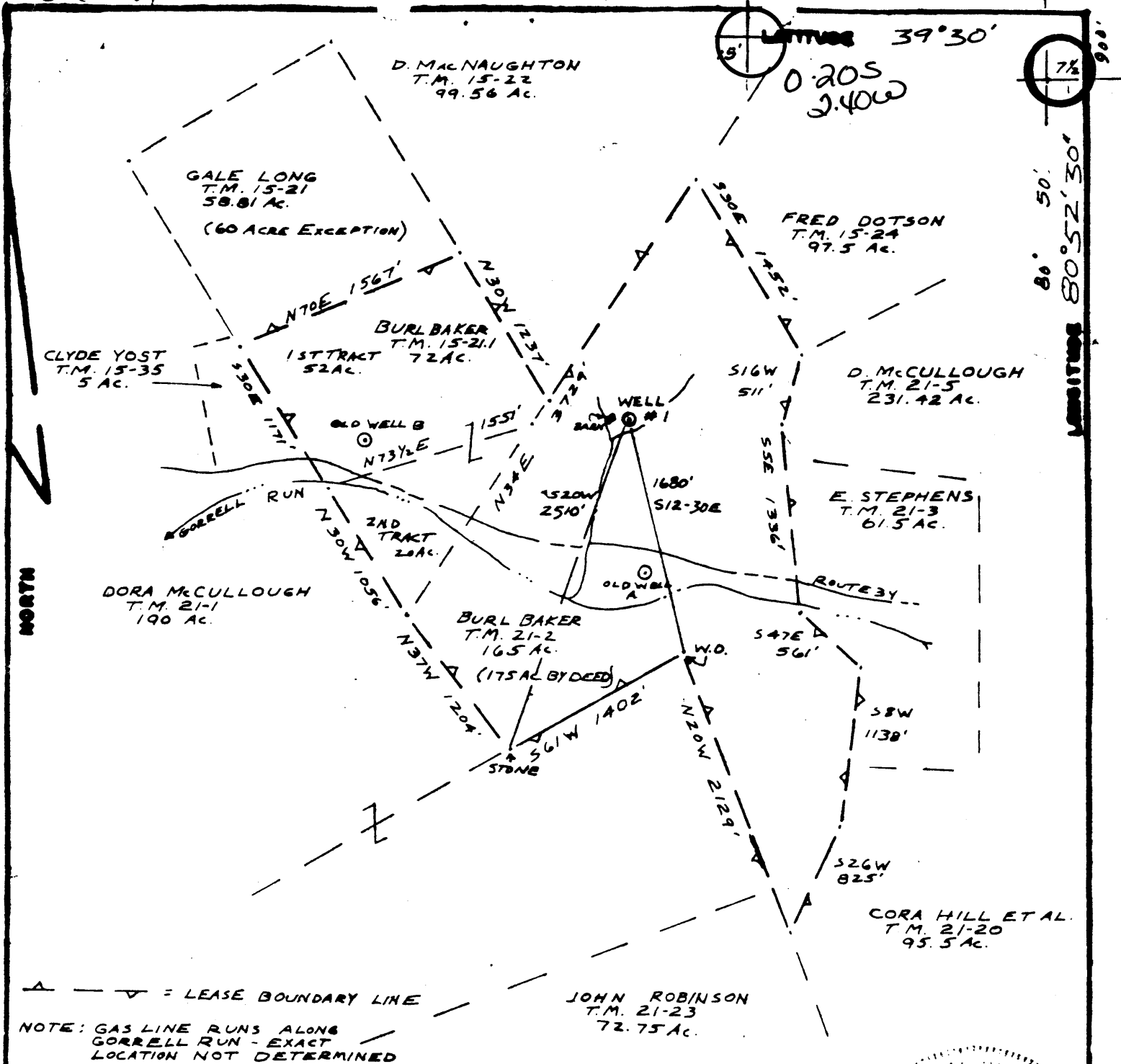


Plot 8/5

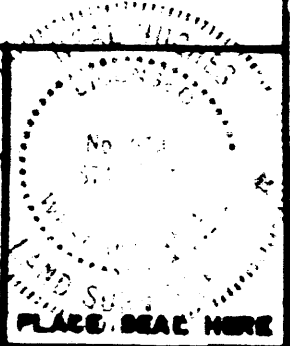
500'



NOTE: GAS LINE RUNS ALONG GORRELL RUN - EXACT LOCATION NOT DETERMINED

FILE NO. L+M
 DRAWING NO. 1
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION 739' @ Road

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-B
 (8-78)



DATE DEC. 17, 19 80
 OPERATOR'S WELL NO. 1 (REVISED)
 API WELL NO. 47-095-0930
 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 782' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT ELLS WORTH COUNTY TYLER
 QUADRANGLE MIDDLE BOURNE 7 1/2' West Union DC
 SURFACE OWNER BURL BAKER ACREAGE _____
 OIL & GAS ROYALTY OWNER SAME LEASE ACREAGE _____
 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 REPLUS _____
 TARGET FORMATION Durbin Shale ESTIMATED DEPTH 4500'
 WELL OPERATOR L.M. Petroleum Co. DESIGNATED AGENT David Cloud AUG 17 1981
 ADDRESS P.O. Box 89, Lima, Ohio 45750 ADDRESS 20 S.W. 789, Columbus, WV 26101

RECEIVED
JUL 30 1981



Date: July 27, 19 81

Operator's Well No. 1

API Well No. 47 · 095 · 0930
State County Permit

OIL & GAS DIVISION STATE OF WEST VIRGINIA
DEPT. OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT

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

LOCATION: Elevation: 782' Watershed: Middle Island Creek
District: Ellsworth County: Tyler Quadrangle: Middlebourne

WELL OPERATOR L&M Petroleum Co.
Address P.O. Box 89
Reno, Ohio 45773

DESIGNATED AGENT David Clovis
Address P.O. Box 288
Parkersburg, WV 26101

OIL & GAS ROYALTY OWNER Burl & Sadie Baker
Address Rt. #2
Middlebourne, WV 26149

COAL OPERATOR None
Address _____

ACREAGE 175
SURFACE OWNER Same as above
Address _____

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name NA
Address _____

FIELD SALE (IF MADE) TO:
Address NA

Name _____
Address _____
Name _____
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phil Tracy
Address Rt. 23, Alma, WV
758-4573

COAL LESSEE WITH DECLARATION ON RECORD:
Name NA
Address _____

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 Sept. 1, 19 71, to the undersigned well operator from Burl & Sadie Baker

(If said deed, lease, or other contract has been recorded:)
Recorded on 11/5, 19 71, in the office of the Clerk of the County Commission of Tyler County, West Virginia, in Deed Book 190 at page 512. A permit is requested as follows:

PROPOSED WORK: Drill X / 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 the Department.

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 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:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092

BLANKET BOND

L&M Petroleum Co. - Joanne Cogan
Well Operator
By Joanne Cogan
Its Vice President

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

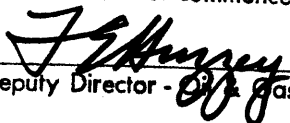
CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	8 5/8			X		250'	to surface		Kinds
Fresh Water									
Coal									Sizes
Intermediate									
Production	4.5"					TD	4300 <u>450</u> TD <u>165</u>	165 sx or	Depths set
Tubing								as req. by	
Liners								Rule 1501	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 4-6-82.


Deputy Director - 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.

WAIVER

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 _____