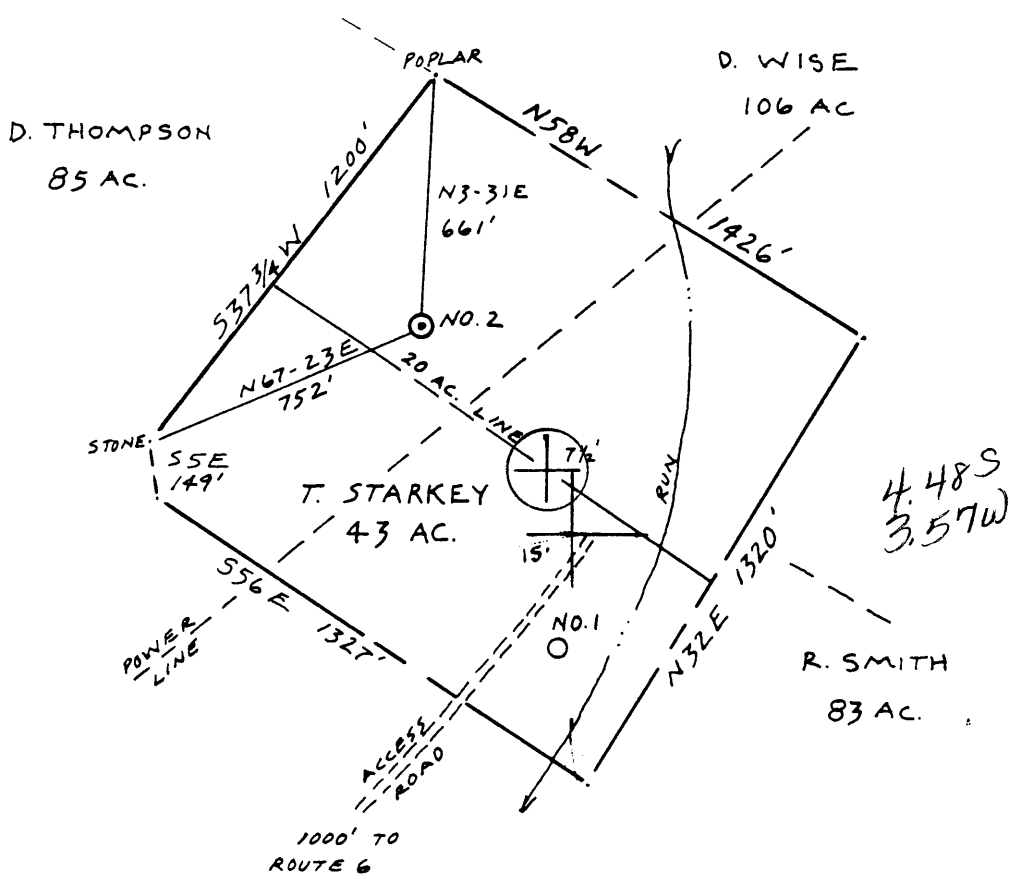


Card #

2-5-80

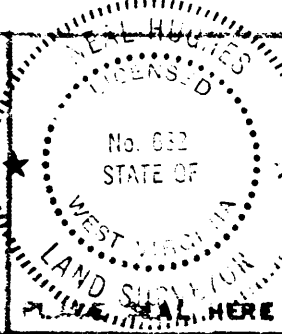
39° 27' 30"
(15') 39° 30'
8400' SOUTH
7000' WEST

80° 55'
80° 57' 30"



PLAT NO. T.S.T.
 SECTION NO. 2
 SCALE 1/500'
 SECTION CORNER OF 1/200
 SECTION SOURCE OF CREATING ROAD INTER 807'

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 GEOGRAPHIC MAPS
 FROM _____
 19__



DATE FEB 22, 19 80
 OPERATOR'S WELL NO. 2
 API WELL NO. 47-095-0790
 STATE COUNTY PERMIT

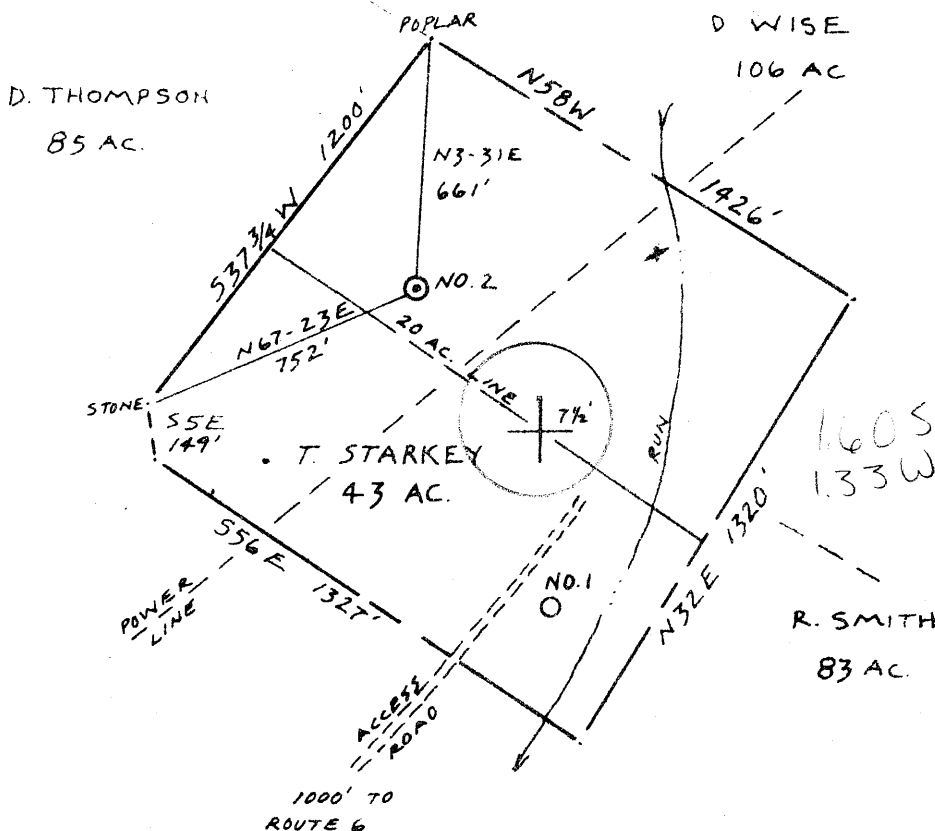
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

CANCELLED

WELL TYPE: OIL & GAS LIQUID INJECTION WASTE DISPOSAL
 "Z" GAS, PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 985' WATER SHED RUSH FORK
 DISTRICT MEADE COUNTY TYLER
 LANDRANGE AADDLE BOURNE 7 1/2' WEST UNION 15'
 SURFACE OWNER T. STARKEY ACREAGE 43
 OIL & GAS ROYALTY OWNER TERRELL STARKEY LEASE ACREAGE 43
 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 Duane-Garden ESTIMATED DEPTH 2000' 18 1983
 WELL OPERATOR Louis Petroleum Co. DESIGNATED AGENT Richard Hudson
 ADDRESS Box 18-B ADDRESS Box 18-B
Maui He Ohio 304-924-0876

NORTH



FILE NO. T. ST.
 DRAWING NO. 2
 SCALE 1/500'
 MINIMUM COURSE OF ACCURACY 1/200
 FROM SQUARE OF ROAD INTER. BOT'

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.S. L.S. 632



IDENTIFY LOCATION OF WELL IN UNITED STATES GEOGRAPHIC MAP
 FORM NO. 1
 (8-79)



DATE FEB 22 19 80
 OPERATOR'S WELL NO. 2
 API WELL NO. 47 095 0790
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: DRILL & GAS LIQUID INJECTION WASTE DISPOSAL
 OR "GAS" PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 985' WATER NAMED RUSH FORK
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE MIDDLE BOURNE 7 1/2' West Union NW
 SURFACE OWNER T. STARKEY ACREAGE 43
 OIL & GAS ROYALTY OWNER TERRELL STARKEY LEASE ACREAGE 43
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ RE-DRILL _____ FRACTURE OR
 STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW
 FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Dunbar-Garden ESTIMATED DEPTH 2800'
 WELL OPERATOR Lowell Petroleum Co. DESIGNATED AGENT Richard Hedden
 ADDRESS Box 16-B ADDRESS Paris, Ky 40362
Maumee, Ohio 304-924-0876



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE February 28, 1980

Surface Owner Terrell Starkey
Address Rt. 1, Middlebourne, WV
Mineral Owner Same as above
Address _____
Coal Owner Same as above
Address _____
Coal Operator None
Address _____

Company L & M Petroleum Co
Address Rt. #1, Box 18-B, Marietta, OH
Farm Terrell Starkey Acres 43
Location (waters) Rush Fork
Well No. 2 Elevation 985'
District Meade County Tyler
Quadrangle Middlebourne 71/2'

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 11-5-80.
Robert T. [Signature]
Deputy Director - Oil & Gas Division

INSPECTOR
TO BE NOTIFIED Phillip Lee Tracy
ADDRESS P.O. Box 173-Dodd Street
Middlebourne, WV 26149
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 August 8 1979 by Terrell Lee Starkey made to Key Oil Company and recorded on the 21 day of August 1979 in Tyler County, Book 220 Page 384

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) [Signature]
Well Operator
Phillip C. Hunter
Street
Rt. #1, Box 18-B, Newport Pike
City or Town
Marietta, 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.

NET BOND

47-095-0790

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 _____

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
 TELEPHONE _____ TELEPHONE 304-424-0876
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB. X STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM: _____

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

APPROXIMATE FRESH WATER DEPTHS 150 FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS None
 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