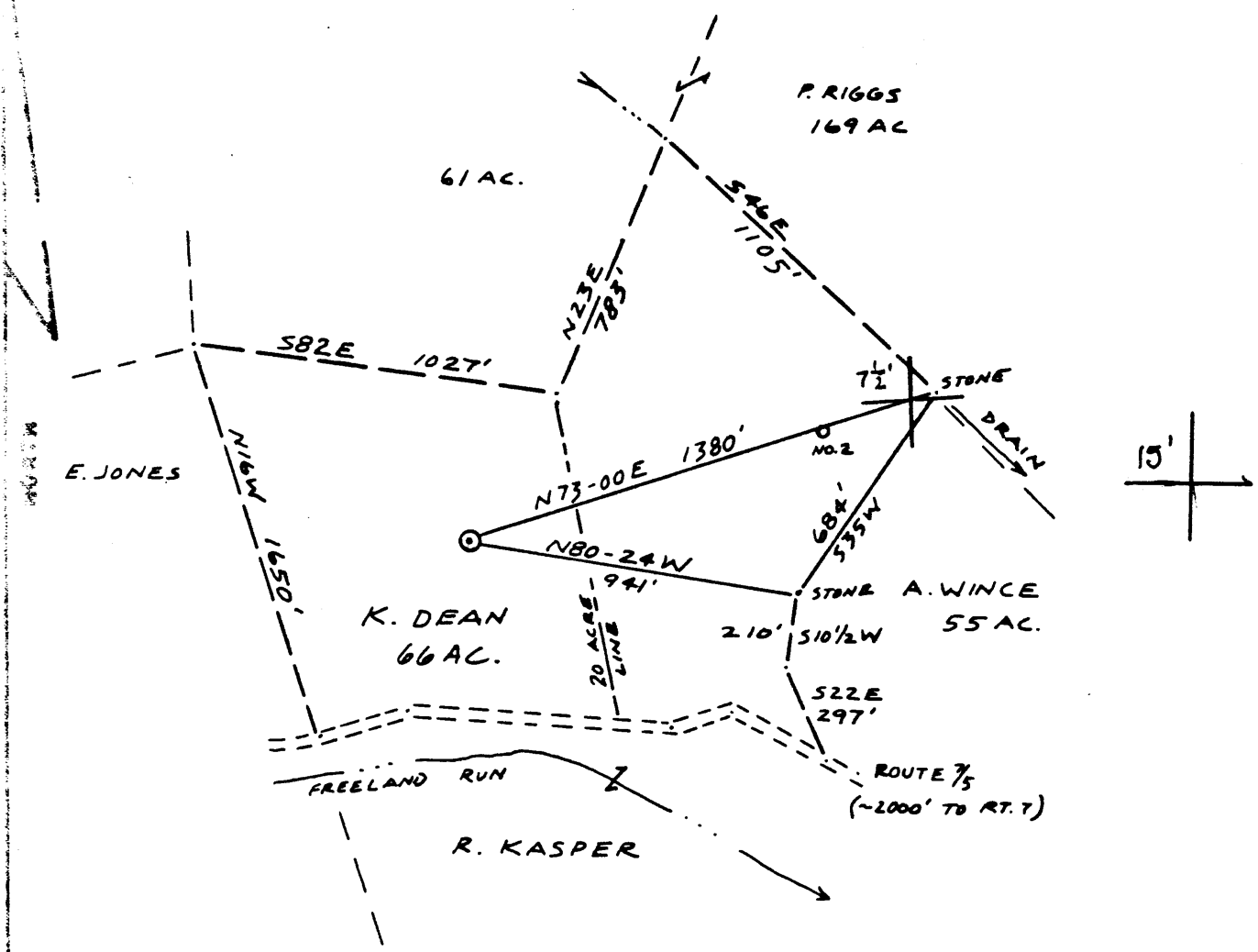


(15) 39°-27'30"
 7850' SOUTH
 5150' WEST

LONGITUDE 80°55'00"



FILE NO. L+M
 DRAWING NO. J.M.L. SM 1
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 732'

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

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 12-78



DATE MARCH 13, 1980
 OPERATOR'S WELL NO. 1
 API WELL NO. 47-095
 STATE COUNTY FERR.

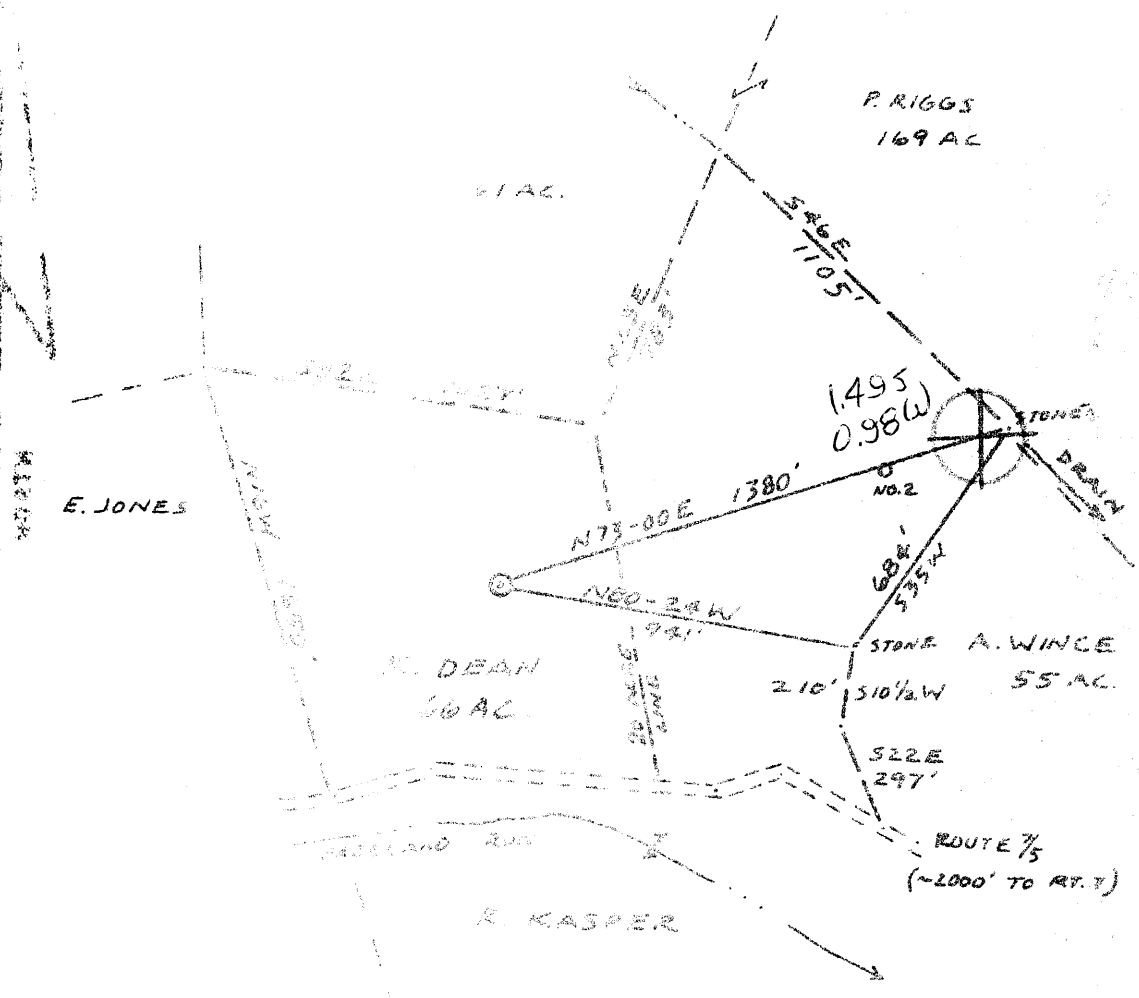
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____)
 LOCATION: ELEVATION 945' WATER SHED SANGHO CREEK
 DISTRICT MEADE COUNTY TYLER
 QUADRANGLE MIDDLEBOURNE (7 1/2') West Union 15
 SURFACE OWNER K. DEAN ACREAGE 66
 OIL & GAS ROYALTY OWNER J.M.L. SMITH LEASE ACREAGE 66
 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 DEVONIAN - (GORDON) ESTIMATED DEPTH 2800
 WELL OPERATOR Ohio L+M Co. Inc DESIGNATED AGENT Dod Berry
 ADDRESS Po Box 89, Reno, Ohio 45173 ADDRESS Main Street Middlebourne W. Va. 26149

OCT 15 1984

39° 30'
 7850' SOUTH
 5150' WEST

ELEVATION 90° 55' 00"



FILE NO L-44
 DRAWING NO J.M.L.S.M.1
 SCALE 1" = 500'
 MINIMUM DEPTH OF ACCURACY 1/200'
 PROVEN SOURCE OF ELEVATION AS 732'

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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
 DATE APR 13 1982

(1) IDENTIFY LOCATION OF WELL ON EITHER STATE TOPOGRAPHIC MAPS FOR 1978

DATE MARCH 13 1982
 OPERATOR'S WELL NO. 1
 API WELL NO. 47 095 0791
 STATE COUNTY PERMIT



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE OIL GAS FLUID INJECTION WATER DISPOSAL WATER STORAGE DEEP SHALLOW
 LOCATION ELEVATION 732' WATER SHED SANCHO CREEK
 DISTRICT MEADE West Union 151 COUNTY TYLER
 QUADRANGLE MIDDLEBOONE (7 1/2) NW
 SURFACE OWNER R. DEAN ACRES 66
 OIL & GAS SOCIETY OWNER J.M.L. SMITH LEASE ACRES 66
 LEASE NO. _____
 PROPOSED WORK RE-DRILL CONVERT DRILL DEEPER RE-DRILL FRACTURE OR PERFORATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER MATERIAL CHANGE IN WELL (SPECIFY) _____
 PLUS AND ABANDON CLEAN OUT AND REPLENISH _____
 TARGET FORMATION Shiloh ESTIMATED DEPTH 2500
 WELL OPERATOR J.M.L. Smith DESIGNATED AGENT _____
 ADDRESS 411 W. 4th St. 4375 ADDRESS _____



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

DEC - 1 1980

Oil and Gas Division
WELL RECORD

OIL & GAS DIVISION
DEPT. OF MINES
Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Middlebourne
Permit No. 47-095-0791

Company L&M Petroleum Co.
Address Rt. 1, Marietta, OH 45750
Farm JML Smith Acres 66
Location (waters) Sancho Creek
Well No. 1 Elev. 945'
District Meade County Tyler
The surface of tract is owned in fee by _____
K. Dean
Address Tyler Co., WV
Mineral rights are owned by J.M.L. Smith
Address West Union, WV
Drilling Commenced 5/25/80
Drilling Completed 6/3/80
Initial open flow 150 M cu. ft. _____ bbls.
Final production 80 M cu. ft. per day _____ bbls.
Well open 6 hrs. before test _____ RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	250		
7			
5 1/2			
4 1/2	3472.11	3472.11	150 sx
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Perf. well w/ 18 shots from 2391-2397'

Frac well on 10/16 w/ 1040 bbl water, 56.7M# sand at 2000 psig, 25BPM,
w/ 140 MSCF Nitrogen
80 MCF

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Berea Depth 2391-2398

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Maxon Sand			1788	1800		
Big Lime			1800	1832		
B. Injun Sand			1875	2035		
Weir Sand			2236	2320		
Berea Sand			2391	2398		
Gordon Sand			2826	2834		oil/gas
Warren Sand			3371	3420		

NOTE: No logs or samples were taken above these depths.

drln TD on log 3550

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

MAR 21 1980

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION
OIL & GAS DIVISION
DEPT. OF MINES

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

DATE March 18, 1980

Surface Owner K. Dean Company L&M Petroleum, Co.
 Address Tyler Co., WV Address Rt. 1, Box 18-B, Marietta, OH

Mineral Owner J.M.L. Smith Farm J.M.L. Smith Acres 66
 Address Tyler Co., West Virginia Location (waters) Sancho Creek

Coal Owner Same as above Well No. 1 Elevation 945
 Address _____ District Meade County Tyler

Coal Operator None Quadrangle Middlebourne

~~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 11-24-80.

INSPECTOR
TO BE NOTIFIED Phillip Lee Tracy
 ADDRESS P.O. Box 173-Dodd Street
Middlebourne, WV 26149
 PHONE 758-4573

Robert L. ...
Deputy Director - Oil & Gas Division

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 May 21 19 79 by J.M.L. Smith made to Key Oil Company and recorded on the _____ day of _____ 19__ in Tyler County, Book 220 Page 65

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) *Phillip Lee Tracy*
 Well Operator

Route #1, Box 18-B, Newport Pike
 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.

BLANKET BOND

47-095-0791

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 DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME _____ NAME Richard Hudson
 ADDRESS _____ ADDRESS Perkersburg, WV
 TELEPHONE _____ TELEPHONE 304-422-7208
 ESTIMATED DEPTH OF COMPLETED WELL: 2800' ROTARY CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Devonian Gordon
 TYPE OF WELL: OIL _____ GAS _____ COMB. 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 _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? _____ 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

RECEIVED
MAR 25 1985

AFFIDAVIT OF PLUGGING AND FILLING WELL

OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

NA
Coal Operator or Owner

Address

NA
Coal Operator or Owner

Address

NA
Lease or Property Owner

Address

L&M Petroleum Co.
Name of Well Operator
P.O. Box 89, Reno, OH 45773

Complete Address
March 11, 19 85

WELL AND LOCATION
Meade District
Tyler County

WELL NO. 47-095-0791

J.M.L. Smith #1 Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Lowther (304-758-4764)

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Nitche

ss:

Perkins Oil & Gas Inc. and NA

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Ohio L&M Co., Inc. for L&M Petroleum Co., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the Feb. 10 day of 1985, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
3514-4000	Cement, never performed		1310	1162
2100-2300	Gel			200
1900-2000	Cement			
2000-1310	Gel			
1310-1210	Cement			
1210-300	Gel			
300-225	Cement			
225-0	Gel			
0-0	Cement			
Coal Seams				
(Name) <u>None</u>				
(Name)				
(Name)				
(Name)				

3-25-85
Description of Monument
7" pipe cemented into the surface pipe and 50' above the ground.

and that the work of plugging and filling said well was completed on the 21st day of February, 19 85.

And further deponents saith not.

Kyle D Perkins
R J Gurns

Sworn to and subscribed before me this 18th day of March, 19 85.

Donald P...
Notary Public

My commission expires:

April 10, 1988

Permit No. 47-095-0791-P

095-0791