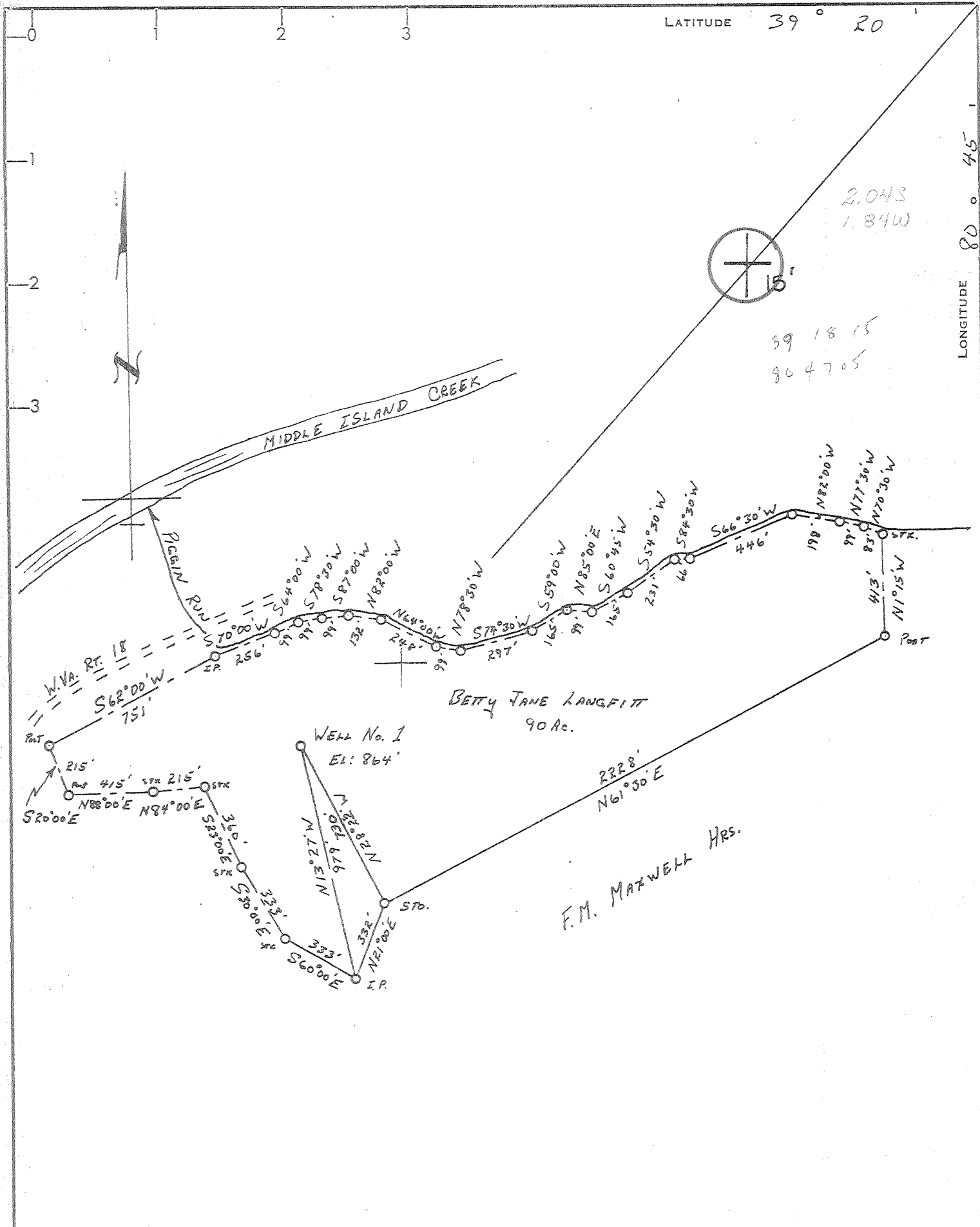


12-10-78



CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200
 Signed A. B. Shuck, P.E. 4596

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY KEY OIL COMPANY
 ADDRESS 106 MARIE STREET WEST UNION, W.VA. 26456
 FARM BETTY JANE LANGFITT, ERLIN FREEMAN et al
 MAP _____ ACRES 90 LEASE NO. _____
 WELL (FARM) NO. ONE SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 864'
 QUADRANGLE WEST UNION 7.5' SE
 COUNTY DODDRIDGE DISTRICT WEST UNION
 POINT OF PROVEN ELEVATION B.M. ON TRAIN TRESS/ EL: 866'
 FILE NO. _____ DRAWING NO. _____
 DATE 10-26-78 SCALE 1"=500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **DODD-2319**
 DEC 20 1978
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC
 MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES
 BEING REPRESENTED BY BORDER LINES AS SHOWN. **47-017**
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

666 100' SMITHTON FLINT SEDALIA 99 99



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

FEB 15 1979
GROESBECK
NOV 1 1978

Quadrangle _____

Permit No. DODD- 2319

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company Key Oil Company
Address West Union, WV
Farm Betty Langfitt Acres 90
Location (waters) Middle Island Creek
Well No. 1 Elev. 864
District West Union County Doddridge
The surface of tract is owned in fee by _____
Erlin Freeman, et al
Address Baltimore, Maryland
Mineral rights are owned by Betty Langfitt, et al
Address West Union, WV
Drilling Commenced 11-28-78
Drilling Completed 12- 5-78
Initial open flow NA cu. ft. _____ bbls.
Final production 516,000 cu. ft. per day _____ bbls.
Well open 5 hrs. before test 1825 RP.
Well treatment details:

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	518		
7			
5 1/2			
4 1/2	5180		
3			
2	5070		
Liners Used			

Attach copy of cementing record.

682 bbl 150 sks 80/100 350 sks 20/40 Perf 5080-5146

Coal was encountered at _____ Feet _____ Inches
Fresh water 480 Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay, Sand, Shale & Red Rock			0	1800		
Big Lime			1800	1870		
Big Injun			1870	1930		
Shale			1930	2520		
Gordon			2520	2545		
Sand, Shale			2545	5070		
Alexander			5070	5160		
Shale			5160	5241		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

NOV 28 1978

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 27, 1978

Surface Owner Erlin Freeman, et al Company Key Oil Company
 Address Baltimore, Md Address West Union, WV
 Mineral Owner Betty Langfitt, et al Farm Betty Langfitt Acres 90
 Address West Union, WV Location (waters) Middle Island Creek
 Coal Owner same as minerals Well No. 1 Elevation 864
 Address _____ District West Union County Doddridge
 Coal Operator _____ Quadrangle West Union 7.5
 Address _____

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~~ terminated by 3-28-79.

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

INSPECTOR TO BE NOTIFIED Paul Garrett
 ADDRESS Clarksburg, WV
 PHONE 622-3871

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 September 6, 1978 by Betty Langfitt, et al made to Key Oil Company and recorded on the 25 day of Sept 1978, in Doddridge County, Book 104 Page 703

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

Very truly yours,
 (Sign Name) Joe M. Laughlin
 Well Operator

Address 106 Marie Street
 of _____ Street
 Well Operator West Union, WV
 City or Town

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.

CASH DEPOSIT
HELD BY TREASURER

DODD-2319 PERMIT NUMBER

47-017

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 Fox Drilling Company NAME Joe McLaughlin
 ADDRESS Glenville, WV ADDRESS W Est Union, WV
 TELEPHONE 462-7353 TELEPHONE 873-2600
 ESTIMATED DEPTH OF COMPLETED WELL: 5200' ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Alexander
 TYPE OF WELL: OIL _____ GAS X 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	450'		cement to surface
7			
5 1/2			
4 1/2	5200'		cement 300' above producing formation
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 250' 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