



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle _____
Permit No. DODD-2317

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

Company Key Oil Company
Address West Union, WV
Farm JML Smith Acres 65
Location (waters) Middle Island Creek
Well No. 1 Elev. 794
District West Union County Doddridge
The surface of tract is owned in fee by _____
McGill's, Inc.
Address West Union, WV
Mineral rights are owned by JML Smith, et al
Address West Union, WV
Drilling Commenced 11-15-78
Drilling Completed 11-29-78
Initial open flow NA cu. ft. _____ bbls.
Final production 3,100 cu. ft. per day _____ bbls.
Well open 24 hrs. before test 1790 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	467		
7			
5 1/2			
4 1/2	5050		
3			
2	4934		
Liners Used			

Well treatment details:

Attach copy of cementing record.

<u>865 bbl 250 sks 80/100</u>	<u>450 sks 20/40</u>	<u>1st stage</u>	<u>4962-5010</u>
<u>488 bbl 100 sks 80/100</u>	<u>300 sks 20/40</u>	<u>2nd stage</u>	<u>4270-4276</u>
<u>508 bbl 80 sks 80/100</u>	<u>250 sks 20/40</u>	<u>3rd stage</u>	<u>3104-3226</u>

Coal was encountered at _____ Feet _____ Inches
Fresh water 425 Feet _____ Salt Water _____ Feet _____
Producing Sand Alexander, Riley & Warren Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay, Sand, Shale, Red Rock			0	1684		
Big Lime			- 1684	1744		
Big Injun			1744	1850		
Sand, Shale			1850	2435		
Gordon			2435	2440		
Sand, Shale			2440	3100		
Warren			3100	3230		
Sand, Shale			3230	4265		
Riley			4265	4279		
Sand, Shale			4279	4930		
Alexander			4930	5030		
Shale			5030	5222		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
NOV 15 1978

Oil and Gas Division
OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

DATE November 14, 1978

Surface Owner McGill, Inc.

Company Key Oil Company

Address West Union, WV

Address West Union, WV

Mineral Owner J.M.L. Smith, et al

Farm JML Smith Acres 65

Address West Union, WV

Location (waters) Middle Island Creek

Coal Owner same

Well No. 1 Elevation 794

Address same

District West Union County Dodd

Coal Operator none

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 commenced by 3-15-79.

INSPECTOR
TO BE NOTIFIED Paul Garrett

ADDRESS Clarksburg, WV

PHONE 622-3871

Robert R. [Signature]
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 August 21 1978 by JML Smith made to Key Oil Company and recorded on the 22nd day of Aug 1978 in Doddridge County, Book 104 Page 440

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,
(Sign Name) Joe M. Laughlin
Well Operator
106 Marie Street
Street
West Union, WV
City or Town
West Virginia
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 _____

DODD-2317

PERMIT NUMBER

**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 West 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	400'		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 234 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