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FEB 24 1978

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

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

Quadrangle Vadis
Permit No. DODD-1823

Company United Operating Company
Address 600 Commerce Sq., Charleston, WV
Farm E. L. Davis Acres 52.5
Location (waters) Red Lick Run
Well No. 2 Elev. 1113
District New Milton County Doddridge
The surface of tract is owned in fee by _____
R. Kelly
Address New MILTON, WV
Mineral rights are owned by Above
_____ Address _____
Drilling Commenced 8-20-76
Drilling Completed 9-29-76
Initial open flow _____ cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open No test 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 1/4"	194	194	Circ.
7 5/8"	1164	0	
5 1/2			
4 1/2	0	2189	500' Fillup
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

November 1, 1976 - 450 bbl water - 20,000# sand
4 BOPD after treatment

Coal was encountered at 713 Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Big Injun Depth 2090-2174

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand-Shale	Grey	Hard	0	713		
Coal		Soft	713	718		
Shale	Brown	Soft	718	1163		
Sand (Dunkard)	Grey	Hard	1163	1243		
Shale	Brown	Soft	1243	1465		
Salt Sands (1-2-3)	Grey	Hard	1465	1690		
Shale	Brown	Soft	1690	1770		
Maxon Sand	Grey	Hard	1770	1845		
Shale	Brown	Soft	1845	2000		
Lime	Grey	Soft	2000	2028		
Shale	Brown	Soft	2028	2046		
Big Lime	Grey	Hard	2046	2090		
Sand (Big Injun)	Grey	Soft	2090	2174	Sho gas & oil	
Shale	Grey	Soft	2174	2189	T.D.	

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

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AUG 9 1976

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

DATE August 2, 1976
Company United Operating Company
Address 600 Commerce Sqa. Charleston, W.
Farm E. L. Davis Acres 52.5
Location (waters) Red Lick Run
Well No. 2 Elevation 1113
District New Milton County Doddridge
Quadrangle Vadis

Surface Owner E. L. Davis
Address New Milton, W. Va.
Mineral Owner Same
Address _____
Coal Owner No Coal (Mineable)
Address _____
Coal Operator None
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 12-9-76.

Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED Paul Garrett
PH: 632-3871 ADDRESS Clarksburg, WV.

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having title thereto, (or as the case may be) under grant or lease dated 2/21/ 1916 by E. L. Davis made to G. B. Travis-P & M- United recorded on the 11 day of February 1917, in Doddridge County, Book 31 Page 218

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, W. Va. 26505

Very truly yours,

(Sign Name)

J. L. [Signature]
Well Operator

Address of Well Operator

600 Commerce Square
Street

Charleston
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 terms 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

Dodd-1823 PERMIT NUMBER
47-017

