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DEC 22 1977

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Helbrook
Permit No. Dodd 178 DD

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

Company P & M Oil Company
Address West Union, W. Va. 26456
Farm Jessie Williams Acres 473
Location (waters) Long Run
Well No. 3 Elev. 960
District South West County Doddridge
The surface of tract is owned in fee by Jessie Williams
Address New Milton, W. Va.
Mineral rights are owned by Evelyn Williams & Others Address Harrisville, W. Va.
Drilling Commenced Aug. 5, 1974
Drilling Completed Sept. 27, 1977
Initial open flow 200 000 cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open 1 hrs. before test 300 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			
7	1729	1729	
5 1/2			
4 1/2		2420	2420 - 1729
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Well fractured 9-27-77 22000 # sand 500 lbs water 500 gal acid
Swabbed two days turned into line through separator

Coal was encountered at NONE Feet _____ Inches _____
Fresh water NONE Feet _____ Salt Water NONE Feet _____
Producing Sand Big Injun Depth 1839 1848

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Drilling deeper began			1864			
Slate and shells			1864	2418		
Gordon Sand			2418	Not drilled through		Gas Show
Total Depth				2421		
						2421 <u>1864</u> 557 new footage (dry)

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
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JUL 31 1974

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 July 30, 1974

Surface Owner Jessie Williams

Company P. & W. Oil Co.

Address New Milton, W. Va.

Address West Union, W. Va. 26456

Mineral Owner Jessie & Others

Farm Jessie Williams Acres 500

Address _____

Location (waters) Long Run (middle Fk Hughs)

Coal Owner No Coal

Well No. 3 Elevation _____

Address _____

District South West County Dodd

Coal Operator _____

Quadrangle Holbrook

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 deepening. This permit shall expire if operations have not commenced by 12-1-74

INSPECTOR TO BE NOTIFIED Paul Sherritt
Clarksburg, W.Va. PH: 622-3871
126301

[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 April 24 1946 by P. & W. Va. Co. made to P. & W. Oil Co. and recorded on the 10 day of Sept. 1952, in Dodd County, Book 57 Page 1163

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.

Very truly yours,
(Sign Name) [Signature]
Well Operator

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
West Virginia Geological and Economic Survey
P. O. Box 379
Martinsburg, W. Va. 26505
304-296-4461

Address of Well Operator
206 Wood St. Street
West Union 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.

DO NOT REOPEN

Dodd-178-DD PERMIT NUMBER
47-017

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 P. & S. Oil Co. NAME L. G. Picott
 ADDRESS West Union, W. Va. ADDRESS West Union, W. Va. 26456
 TELEPHONE 873 2200 TELEPHONE 873 2209
 ESTIMATED DEPTH OF COMPLETED WELL: 2500 ROTARY _____ CABLE TOOLS X
 PROPOSED GEOLOGICAL FORMATION: 5th sand
 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	<u>None</u>		
13 - 10			
9 - 5/8			
8 - 5/8			
7			
5 1/2			
4 1/2			
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS None FEET SALT WATER None FEET
 APPROXIMATE COAL DEPTHS one
 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.

Handwritten signature

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