



New Location
 Drill Deeper
 Abandonment

Company P & M Oil & Gas Co.
 Address West Union, W. Va.
 Farm Georgia McKain
 Tract _____ Acres 476 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 962
 Quadrangle Doobrook
 County Loddrige District South West
 Engineer J. M. Martin
 Engineer's Registration No. 84
 File No. _____ Drawing No. _____
 Date Apr 27 1897 Scale sect 40

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. DOD-175

+ 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.
 - Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD

39-15
6-22
(5)

Rotary _____ Oil _____
Cable Gas Show
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ Dry

Quadrangle Holbrook
Permit No. Dod-175 D D

Company P & M. Oil Company
Address West Union, W. Va. 26456
Farm Georgia McKain Acres 476
Location (waters) Long Run Middle Fork
Well No. 1 Elev. 960
District South West County Doddridge
The surface of tract is owned in fee by _____
McKain
Address West Union, W. Va.
Mineral rights are owned by McKain & Others
Address _____
Drilling Commenced July 26, 1973
Drilling Completed August 14, 1973
Initial open flow 48M cu. ft. _____ bbls.
Final production 20M cu. ft. per day _____ bbls.
Well open 72 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			
7			
5 1/2			
4 1/2	0	2040	
3			
2			
Liners Used			

Well treatment details: Attach copy of cementing record.
Fracked 2nd Salt sand, Injun, Squaw & Weir
1 000 bbl. Water, 1 000 gal acid, 33 000 # sand

Coal was encountered at None Feet _____ Inches
Fresh water None Feet _____ Salt Water _____ Feet _____
Producing Sand 2nd. Salt, Injun, Squaw, Weir Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Slate			1450	1488		
2nd. Salt sand			1488	1522		
Slate			1522	1588		
3rd. Salt sand			1588	1608		
Slate			1608	1620		
Hard Lime			1620	1650		
Soft Lime			1650	1661		
Hard Lime			1661	1730		
Injun Sand			1730	1804		
Slate & Shells			1804	1900		
Gritty Lime (Weir)			1900	2050		
Slate & Shells			2050	2068		
Lime			2068	2071		
Slate			2071	2078		
Lime (Berea)			2078	2088		
Slate & Shells <i>Devonian shale</i>			2088	2393		
Total Depth				2393		
Run 2040 feet 4 1/2" Pipe with cement shoe. Filled hole with jell from 2393 to 2040 and with cement to 1300.						

2393
1450

943 new ft.

* Indicates Electric Log tops in the remarks section.

(over)

OCT 5 1973



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUL 18 1973

OIL & GAS DIVISION
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner Georgia McKain
 Address West Union, W. Va.
 Mineral Owner McKain & others
 Address _____
 Coal Owner No coal
 Address _____
 Coal Operator None
 Address _____

DATE June 28, 1973
 Company P. & M. Oil Co.
 Address West Union, W. Va.
 Farm Georgia McKain Acres 476
 Location (waters) Long Run/Middle R./Hughes Riv
 Well No. 1 Elevation 960
 District South West County Dodd
 Quadrangle Holbrook

THIS PERMIT MUST BE POSTED AT THE WELL SITE
 All provisions 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 11-20-73.

Robert H. Joda
 Deputy Director Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blosser
Colfax, W. Va. PH: 369-2105

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 Oct. 31 19 06 by Jackson Leeson made to Philadelphia Co. and recorded on the _____ day of _____ 19____, in Doddridge County, Book 21 Page 76

_____ 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) P. & M. Oil Co.
L. S. Sigard
 Well Operator

Address of Well Operator _____ Street
 _____ West Union City or Town
 _____ W. Va. 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.

**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 _____
 ADDRESS _____ ADDRESS _____
 TELEPHONE _____ TELEPHONE _____
 ESTIMATED DEPTH OF COMPLETED WELL: _____ ROTARY _____ CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 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			
7			
5 1/2			
4 1/2			
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