



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division
WELL RECORD 2

RECEIVED
NOV 8 1972

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle West Union

Permit No. Dodd 1675

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

Company Jerry C. Olds
Address 625 High St. Worthington Ohio
Farm Richard F. McCullough Acres 46
Location (waters) Long Run
Well No. 1 Elev. 857
District Central County Doddridge
The surface of tract is owned in fee by
Richard F. McCullough
Address Rt. 1 Greenwood W. Va.
Mineral rights are owned by Same as above
Address _____
Drilling Commenced 7-15-72
Drilling Completed 8-16-72
Initial open flow 200,000 cu. ft. 15 bbls.
Final production 100,000 cu. ft. 15 bbls. per day
Well open 2 hrs. before test 500 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			cemented to surface with 100 sks.
Cond. 13-10"	329	329	
9 5/8			cemented with 100 sks. ; cemented from basket @ 400 to surface with 175 sks.
8 5/8	965		
7			
5 1/2			
4 1/2		1952	
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

STAGE 1
Perf. 1803-59 w/2; 1865-67 w/2; 1876-80 w/3; 1886-91 w/10; 1893-97 w/2; Frac 842 bbls. & 45,000# sand.
STAGE 2
Perf. 1803-07 w/12; 1832-35 w/6; Frac. with 734 bbls. & 45,000 # sand

Coal was encountered at none Feet _____ Inches _____
Fresh water 90; 329; 365 Feet _____ Salt Water _____ Feet _____
Producing Sand Injun Squaw Depth 1802-1808 & 1832-38 Big Injun
1834-1910 - Squaw

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Top Soil	Brown	S	0	5		
Clay	Yellow	S	5	25		
Shale	Gray	S	25	40		
"	Red	S	40	90		
Sand	White	S	90	110		Fresh Water @ 90'
Shale	Red	S	110	133		
Limestone	Tan	H	133	145		
Shale	Red	S	145	190		
Shale & Shells	Gray	S	190	257		
Shale	Red	S	257	275		
Shale & Shells	Gray	S	275	303		
Shale	Red	S	303	329		
Sand	White	H	329	403		Fresh Water @ 329' & 365' Log Top 334-78
Shale & Shells	Gray	S	403	595		
Shale	Red	S	595	620		
"	Gray	S	620	635		
Sandstone	White	H	635	650		
Shale	Gray	S	650	660		
"	Red	S	660	670		
Line-Grit	Gray	S	670	695		
Shale	Red	S	695	715		
Shale & Shells	Gray	S	715	725		
Shale	Red	S	725	750		

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale & Shells	Gray	S	750	810		
Shale	Red	S	810	860		
Sandstone	White	H	860	875		
Shale & Shells	Gray	S	875	925		
Sand & Lime	White	H	925	950		
Shale & Shells	Gray	S	950	980		
Limestone	Black	H	980	1000		
Sandstone	White	H	1000	1055		
Shale & Shells	Gray	S	1055	1115		
Limestone	White	H	1115	1190		
Sandstone	White	H	1190	1255	Log Tops	1194-1264
Shale & Shells	Gray	S	1255	1310		
Sandstone	White	H	1310	1365		
Shale & Shells	Gray	S	1365	1435		
Limestone	White	H	1435	1495		
Shale & Shells	Gray	S	1495	1515		
Sandstone	White	H	1515	1557	Log Tops	1508-1560
Shale & Shells	Gray	S	1557	1590	" "	1560-1600
Sandstone	White	H	1590	1685	Show of oil @	1600
Limestone	White	H	1685	1702		
Shale	Gray	S	1702	1719		
Limestone	White	H	1719	1791	Big Lime	
<i>B.I.</i> Sandstone	White	H	1791	1845	Injun Log Tops	1795-1846
Shale	Gray	S	1845	1855	10 MCF trace of oil	1794-1800
<i>Squaw</i> Sandstone	White	H	1855	1906	Squaw Log Tops	1854-1910
					6" oil in 8" bailer after shut-	
					down overnight	
Shale	Gray	S	1906	1951	Log T. D.	1953

1719
857
862

Date Nov 6, 1972

APPROVED Jerry C. Olls, Owner

By Jerry C. Olls
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JUN 12 1972

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 June 8, 1972

Surface Owner Richard F. McCullough

Company Jerry C. Olds

Address Route 1, Greenwood, W. Va.

Address 625 High St., Worthington, Ohio

Mineral Owner Same as above

Farm Richard F. McCullough Acres 46

Address _____

Location (waters) Long Run

Coal Owner Same as above

Well No. / Elevation 857

Address _____

District Central County Doddridge

Coal Operator None

Quadrangle West Union

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 Oct. 12, 1972

Robert Howard
Deputy Director - Oil & Gas Division

INSPECTOR TO BE NOTIFIED William Blosser
Colfax, W.Va. PH: 363-9105

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 July 31 1971 by Richard F. McCullough et ux made to Jerry C. Olds and recorded on the _____ day of _____ 19____, in Doddridge County, Book 95 Page 465
 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) _____

Well Operator

Address of Well Operator

Street

City or Town

State

Jerry C. Olds
625 High St.
Worthington
Ohio 43085

*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.

DOD-1675

PERMIT NUMBER

BOND DRILL

**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 Tom Collins
 ADDRESS _____ ADDRESS Box 116 West Union, W. Va.
 TELEPHONE _____ TELEPHONE 873 2011
 ESTIMATED DEPTH OF COMPLETED WELL: 1930 ROTARY _____ CABLE TOOLS
 PROPOSED GEOLOGICAL FORMATION: Squaw
 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	350'	350'	Cmt. to surface
9 - 5/8			
8 - 5/8	930'	None	
7			
5 1/2			
4 1/2		1930	25 sq ft if productive
3			Perf. Top 1850
2			Perf. Bottom 1900
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 300' FEET _____ SALT WATER 900' 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