



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Quadrangle Girta
Permit No. 47-105-0897

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

Company Appalachian Petroleum Corp.
Address P.O. Box 27, Reno, OH 45773-0027
Farm Roy Douglas Acres 104
Location (waters) Little Kanawha River
Well No. #1 Elev. 670
District Burning Springs County Wirt
The surface of tract is owned in fee by _____
Roy I. Douglas
Address Rt. 1, Box 145 Elizabeth, WV 26143
Mineral rights are owned by Same
_____ Address _____
Drilling Commenced 6-9-81
Drilling Completed 6-18-81
Initial open flow 8 MCFD cu. ft. 0-BOPD bbls.
Final production 75 MCFD cu. ft. per day 0-BOPD bbls.
Well open 24 hrs. before test 75 psi RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10" 10"	308	308	125 Sacks
9 5/8			
8 5/8			
7	1826	1826	130 Sacks
5 1/2			
4 1/2	5404	5404	275 Sacks
3			
2			
Liners Used			

Well treatment details:

600 gal. acid ahead of 400 sks sand placed with 400 barrels of Foam

Attach copy of cementing record.

Coal was encountered at No data Feet _____ Inches _____
Fresh water No data Feet _____ Salt Water No data Feet _____
Producing Sand Alexander Depth 4635-4855

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
	Lt. Gray	Soft	300	440	Trace Oil & Gas	Sandstone
	Med. Gray	"	440	460		Mudstone
	Gray	"	460	500		Sandstone
	Reddish Brown	"	500	560		Mudstone
	Brown	"	560	600		Sandstone
	Reddish Brown	"	600	660		Mudstone
	Lt. Gray	Med. Hard	660	1120		Sandstone
	Gray	Soft	1120	1180		Siltstone
	Lt. Gray	Med. Hard	1180	1200		Sandstone
	Gray	Soft	1200	1260		Siltstone
	Dk. Gray	"	1260	1340		Shale
	Lt. Gray	Hard	1340	1400		Sandstone
	Gray	Soft	1400	1420		Shale
	Lt. Gray	Med. Hard	1420	1440		Sandstone
	Gray	Soft	1440	1620		Siltstone
Big Injun	Lt. Gray	Hard	1620	1790	Oil & Gas	Sandstone
	Gray	Soft	1790	1822		Siltstone
Squaw	Lt. Gray	Hard	1822	1830		Sandstone
	Lt. Gray	Soft	1830	2200		Siltstone
Sunbury Shale	Black	Soft	2200	2220	Gas	Shale
Berea	Lt. Gray	Hard	2220	2230	Gas	Sandstone
	Gray	Soft	2230	2330		Siltstone

(over)

* Indicates Electric Log tops in the remarks section.

MAY 17 1982

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Gantz	Lt. Gray	Soft	2330	2340	Oil & Gas	Sandstone
	Gray	"	2340	2570		Siltstone
Gordon	Lt. Gray	"	2570	2580	Gas	Sandy Siltstone
	Gray	"	2580	2660		Siltstone
Fifth Sand-	Lt. Gray	Hard	2660	2670		Sandy Siltstone
	Gray	Soft	2670	3400		Siltstone
Speechly/ Balltown	Lt. Gray	Med. Hard	3400	3600	Gas & Oil	Sandy Siltstone
	Gray	Soft	3600	4320		Siltstone
Benson	Lt. Gray	Soft	4320	4370	Gas	Siltstone
	Gray	"	4370	4860	Gas	Siltstone
Balltown	Dk. Gray	"	4860	T.D.		Shale

TD Driller 5455
 TD Logger 5437

2208-2224 Sunburg
 ~ 3456-4344 Huron
 ~ 4868-5230 Rhinestreet
 5334-5419 Genesee - marcellus?
 5419- TD Onondaga

"perfs" (?)

4635-4855 in Angota shale, below Huron, above Rhinestreet

5455 TD
 3456
 1999 expl Pt.

Date 2/12/82, 1982

APPROVED Appalachian Petroleum Corp., Owner

By [Signature]
 (Title)
 Secretary/Treasurer



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division



OIL AND GAS WELL PERMIT APPLICATION

OIL & GAS DIVISION
DEPT. OF MINES

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

Surface Owner Roy I. Douglass
Address Rt #1, Box 145, Elizabeth, WV 26143
Mineral Owner Same
Address _____
Coal Owner Same
Address _____
Coal Operator Same
Address _____

DATE January 14, 1981
Company Appalachian Petroleum Corporation
Address P.O. Box 27, Rt 7N, Reno, OH 45773
Farm Roy I. Douglass Acres 104
Location (waters) Little Kanawaha River
Well No. #1 Elevation 670'
District Burning Springs County Wirt
Quadrangle Girta, W.Va. 7 1/2' quad

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 9-26-81.

INSPECTOR
TO BE NOTIFIED Paul Goodnight
ADDRESS Smithville, w.Va.
PHONE 477-3660

J. P. Hunsley
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 December 16 19 80 by Roy I. Douglass made to Appalachian Petroleum and recorded on the 17th day of December 19 80, in Wirt County, Book 159 Page 762
XX 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 None 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, APPALACHIAN PETROLEUM CORPORATION
(Sign Name) By W. A. Reese
Well Operator

P.O. Box 27, Route 7 North
Street
Reno
City or Town
Ohio 45773
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.

47-105-0897

PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by W. A. Reese

BLANKET BOND

