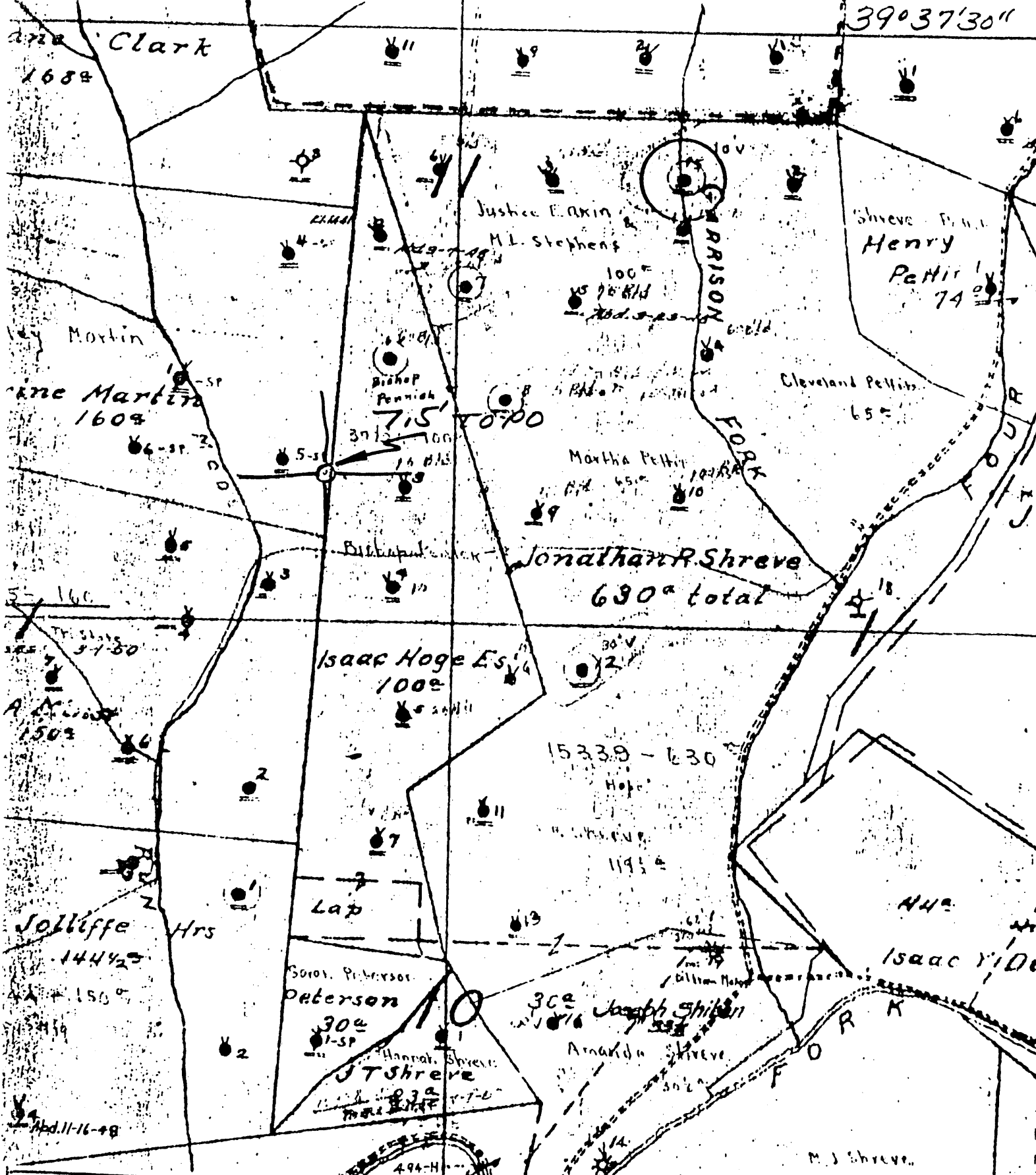


39°37'30"



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-78)

NG8 N11 E1



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

DATE 1-5-1979
OPERATOR'S WELL NO. 15
API WELL NO. 47-103-1103
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 901.66 WATER SHED NORTH FK, FISHING CR
DISTRICT GRANT COUNTY WETZEL
QUADRANGLE BIG RUN 7.5'

SURFACE OWNER _____
OIL & GAS ROYALTY OWNER _____ ACREAGE _____
LEASE NO. _____ LEASE ACREAGE _____

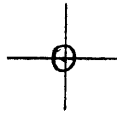
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUS OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUS AND ABANDON CLEAN OUT AND REPLUS
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Craven
ADDRESS P. O. Box 1583 ADDRESS P. O. Box 1583
Parkersburg, WV 26101 ADDRESS Parkersburg, WV 26101

S.R. SHORR - 15

LATITUDE 39° 37' 30"

00° 53' 08" LONGITUDE



7'5 OGIS topo location

7.5' 10C 1.625 15' 10C _____
' 2.06 w (calc.) _____

Company _____

Farm _____

Quad BIG RUN 7 1/2'

County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-1103

040

Well No. 7019

Lease No. 101

Township 10 N

Range 10 E

Rig built by J. P. J. C.

Well drilled by J. P. J. C.

Contractor

Began drilling Nov 21 1907

Completed Oct 26 1908

Log Comment	Sp. Cont.	Remarks
Conductor	16	
3' to 6'	3-6	
2' to 4' sand	1209 1234	
salt	1534 1703	
Water	1545	
Thin sand	1822 1832	
Blue clay	1850 1855	
Big sand	1855 1946	
Exp. sand	1944 2167	
5' to 6'	2583 2596	
gray	2722 2750	
hard	2705	
Oil sand	2770	
Total	2755	

Log Record

Current	Bottom	Depth
10'	340	350
8 1/2'	1275	1275
5 1/2'	1700	1700
3 1/2'	2112	2112

J. P. J. C. Driller

Exp. 479/04 20 90 "and much more same"