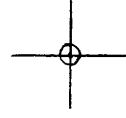


LATITUDE 39° 30' 00"



80° 32' 30"

LONGITUDE

7'5 OGIS topo location

7.5' 10C	<u>0.77 S</u>	15' 10C	_____
	<u>0.53 W</u>	(calc.)	_____

Company _____

Farm _____

Quad Folsom 7 1/2'

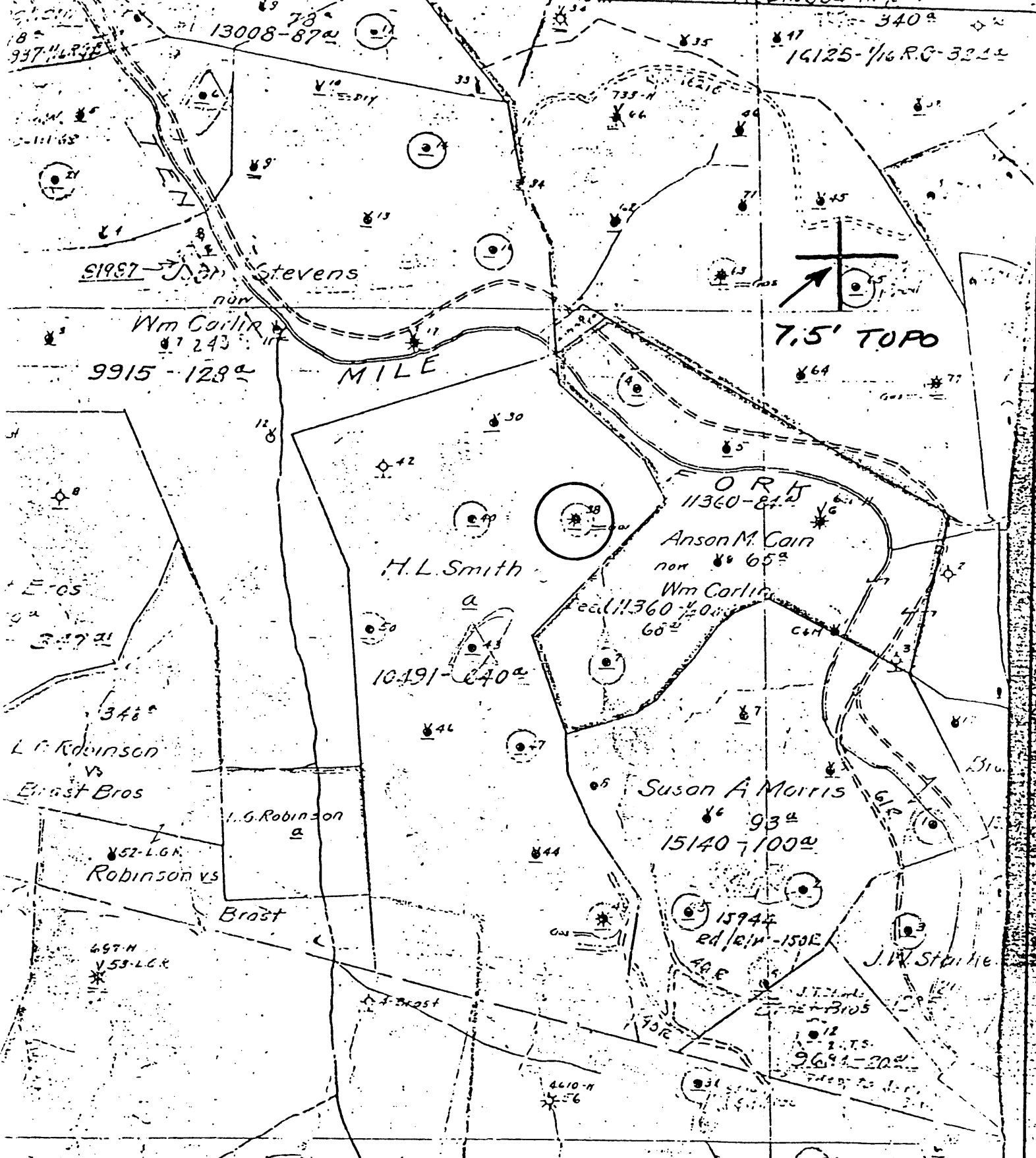
County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103-1109

(101)



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

FORM IV-6
(8-78)
N49 N3 E4



DATE Nov 30, 1978
 OPERATOR'S WELL NO 38
 API WELL NO. 47-103-1109
 STATE WV COUNTY Wetzel PERMIT 1109

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW X)
 LOCATION: ELEVATION WATER SHED Ten Mile Fork
 DISTRICT Grant COUNTY Wetzel
 QUADRANGLE Folsom 7 1/2'
 SURFACE OWNER ACREAGE
 OIL & GAS ROYALTY OWNER 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. Crews
 ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

H.L. SMITH - 38

Well No. 38 ^{D.O.}
 Lease No. 1306 *Grant* ^{Township} *H. J. Smith* Farm 100 Acres
S. P. Carpenter Contractor *Stetzel* County *N. Va.* State
 Drilling Commenced *July 5* 1928 Drilling Completed *Oct 1* 1928
 N. 3 S. E. 1 W.

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
<i>Commenced to Drill</i>	<i>2782</i>			
<i>Big Spring Sand</i>		<i>2753</i>		
<i>Light Col. Sand</i>	<i>2779</i>	<i>2820</i>	<i>2779</i>	
<i>Boulder Sand</i>	<i>2891</i>	<i>2929</i>		
<i>Gas</i>	<i>2901</i>		<i>2901</i>	<i>2 1/10 - 14 - 1" 54/100</i>
<i>Gas</i>	<i>2906</i>		<i>2906</i>	<i>10/10 - 14 - 2" 179/100</i>
<i>Slng Sand</i>	<i>2957</i>	<i>2975</i>	<i>2957</i>	
<i>Good Sand</i>	<i>2977</i>	<i>2994</i>	<i>2977</i>	
<i>Gas</i>	<i>2983</i>	<i>2988</i>	<i>2983</i>	<i>17/10 - 14 - 2" 53/100</i>
<i>Total Depth</i>		<i>3000</i>	<i>3000</i>	
			<i>7284</i>	

Special Volume & Pressure Report
 Date *10/1/28* Cps. *2* *10/11/28* *1* *10/11/28* *3* *10/11/28* *5* *10/11/28* *10* *10/11/28* *15* *10/11/28* *1hr.* *R.P.*
fine hour - 56 *Air Pressure - 60*

CASING RECORD AS TALLIED. NOT STEEL LINE MEASUREMENT

Size	Put in Well		Pulled Out		Left in Well		Shot Date Amount Sand Result
	Feet	In.	Feet	In.	Feet	In.	
<i>5 1/16"</i>	<i>2788</i>				<i>2788</i>		
<i>4 1/2" X 4"</i>	<i>169</i>				<i>169</i>		
<i>2"</i>	<i>3020</i>				<i>3020</i>		

Packer Size *5 3/16" X 2 X 16"*
 Depth Set *2787'*

Production First 24 Hours Bbls. Gas Test *10/11/28* - after *1 hr.*
 Approved by *A. S. Haught* Superintendent