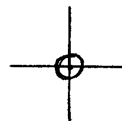


LATITUDE 39° 30' 00"

LONGITUDE 80° 32' 30"



7'5 OGIS topo location

7.5' LOC 1.26 S 15' LOC _____
' 0.52 W (calc.) _____

Company _____

Farm _____

Quad Folsom 7 1/2'

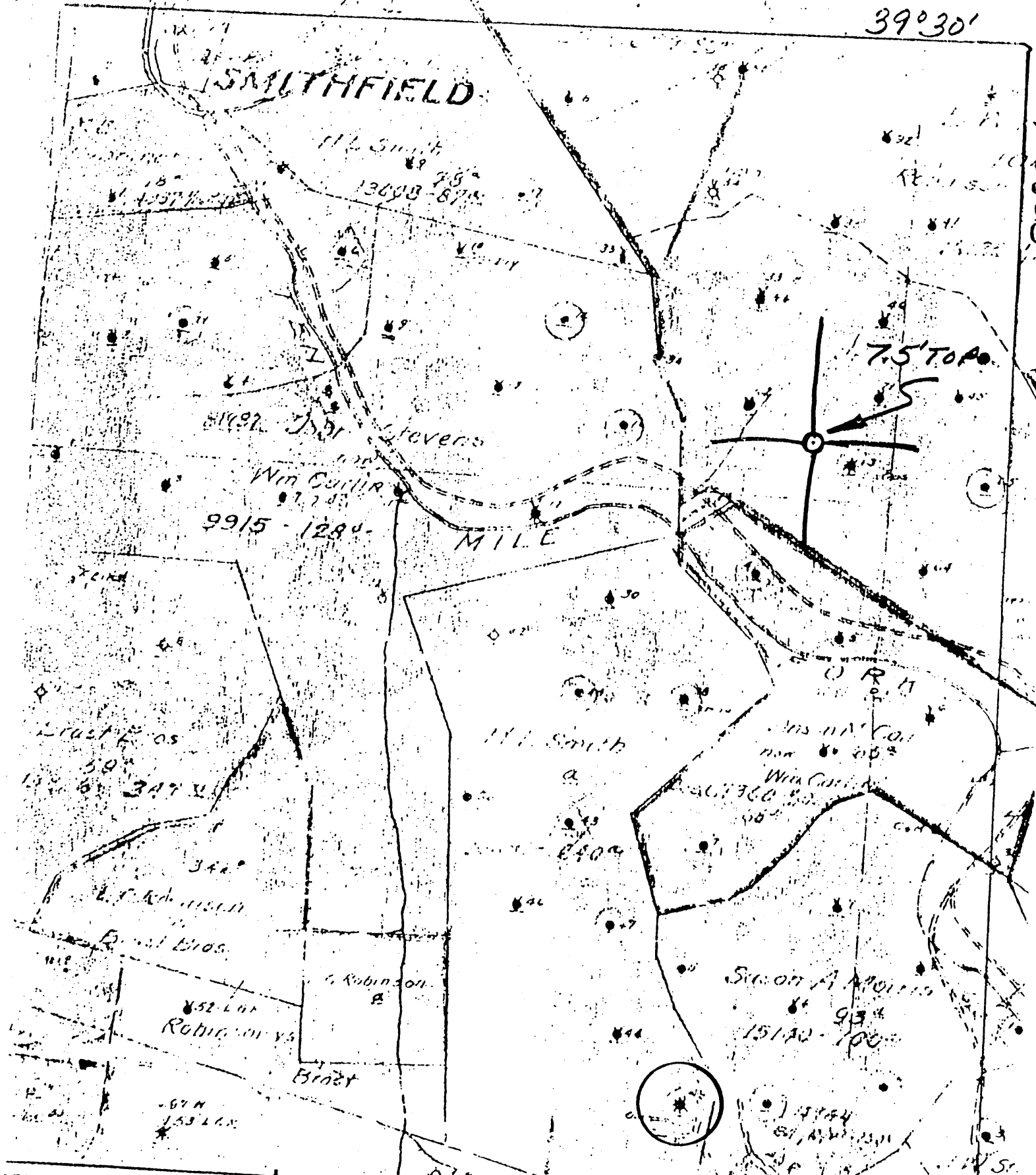
County WETZEL

District GRANT

WELL LOCATION MAP

File No. 103 - 1113

39°30'



DENOTES LOCATION OF
 L ON UNITED STATES
 TOPOGRAPHIC MAPS

FORM IV-6
 78
 9 N 3 E 1



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE 1-8-1979
 OPERATOR'S WELL NO. 49
 API WELL NO. 47-103-1113
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION WATER SHED SOUTH FK, FISHING CK
 DISTRICT GRANT COUNTY WETZEL
 QUADRANGLE FOLSOM 7-5

SURFACE OWNER _____ ACREAGE _____
 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
 SET FORMATION _____ ESTIMATED DEPTH _____
 OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crews
 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 ADDRESS P. O. Box 1588
Parkersburg, WV 26101

Well No. 49 DD. *J. J. Smith* Farm 100 Acres
 Lease No. 13006 *Grant* Township *Wetzel* County *W. Va.* State
 Contractor *Wetzel Dist. Oil & Gas* Contractor
 Drilling (Commenced *Nov. 12* 1923 Drilling Completed *Feb. 15*, 1924
 N. *J* S. E. W. *4*

Rock Formation	Top	Bottom	Steel Line Measurement	Remarks
Commenced to Drill Deeper at 2497'				
Big Injun Sand		2523		
Filly Foot Sand	2857	2865	2857	
Thilly Foot Sand	3089	3112	3089	
Straly Sand	3147	3162	3147	
- Gas 8/10 W-1"	3156		3156	
Gordon Sand	3165	3176	3165	
- Gas 12/10 W-1"	3174		3174	
Fourth Sand	3188	3192	3188	
- Gas 20/10 W-1"	3190		3190	
5 3/16" Casing			2859	
Total Depth		3199		
Filled up to Big Injun sand in 5 3/16" casing				
" Refer to Book #1 for 1st drilling "				

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.			
5"	2886		2400		486				
5"	2432				2432				
2"	2488								
Packer Size <i>no packer</i>									
Depth Set									

Production First 24 Hours..... Bbls. Gas Test.....
 Approved by *J. P. Mc Lee* Superintendent