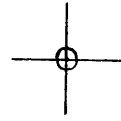


LATITUDE 39° 32' 30"



00° 05' 08" LONGITUDE

7'5 OGIS topo location

7.5' loc 0.625
1.14 w

15' loc 3.505
(calc.) 1.14w

Company _____

Farm _____

New Martinsville SC

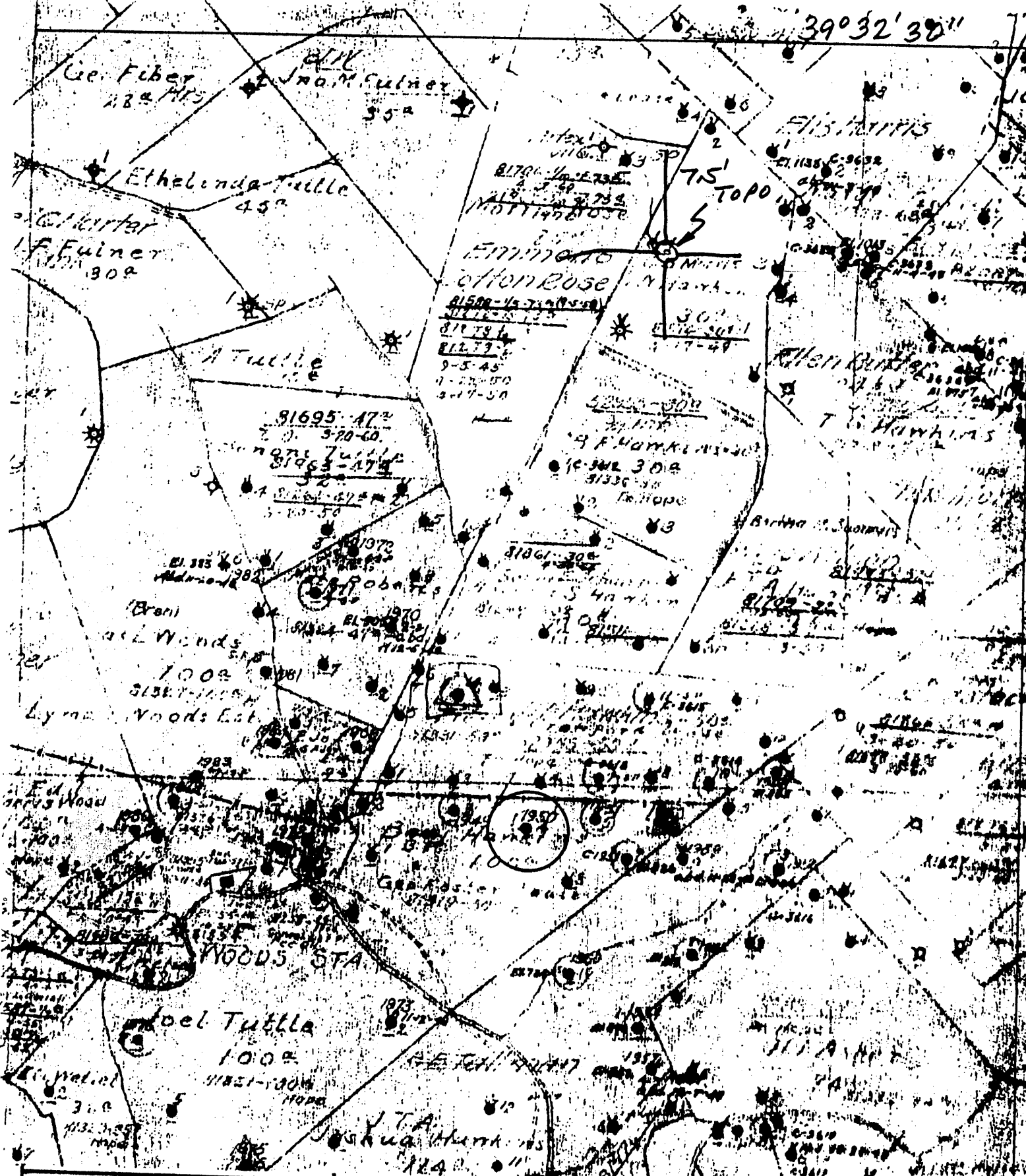
Quad PORTERS FALLS 7 1/2'

County TYLER

District ELLSWORTH

WELL LOCATION MAP

File No. 095-531



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

FORM IV-6
(8-78)
N56 N 7 W 13



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

DATE 1-2-1978
OPERATOR'S WELL NO. 4
API WELL NO. 47-095-531
STATE COUNTY PERMIT

WELL TYPE: OIL GAS _____ LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
LOCATION: ELEVATION N/A WATER SHED ELK FORK
DISTRICT ELLSWORTH COUNTY TYLER
QUADRANGLE PORTERS FALLS 7.5'

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 REPLUG _____
TARGET FORMATION _____ ESTIMATED DEPTH _____
WELL OPERATOR Pennzoil Company DESIGNATED AGENT James A. Crows
ADDRESS P. O. Box 1588 ADDRESS P. O. Box 1588
Parkersburg, WV 26101 Parkersburg, WV 26101

B.F. HAWKINS-100A-4

47-095-0531

WELL NO. 11001 NAME *11001* LEASE NO. *0001* ACRES *1.00* N. S. E. W. DISTRICT *PINE GROVE*

District of Twp. *11001* *11001* *11001* RECORD

City *11001* State *11001*

Commenced *6/19/97* Completed *6/30/97* Contractor *ELL SULLIVAN & Co. Per Foot*

Purchased From *1-2-6-00* Date Purchased *1-2-6-00* Date Connected *1-2-6-00*

Sold To *1-2-6-00* Date Sold *1-2-6-00*

Date Plugged *1-2-6-00* Date Abandoned *1-2-6-00*

See from 11001

CASING AND TUBING

Size	Put In Well	Left In Well	Pulled
13 In. Casing			
10 In. Casing	231		60
8 1/4 In. Casing	1105		1105
6 3/4 In. Casing	1775		
6 1/4 In. Casing			
5 1/2 In. Casing	1755		
4 7/8 In. Casing			
2 In. Tubing			
In. Tubing	186		
In. Tubing			

SHOOTING

Date	Qty.	Sand	Depth	Before	After
2/27/97					
8/3/97	10				
8/12/97	15				
7/25/98	20				
1/19/98	30				
1/6/98	60				
1/2/98	60				
1/2/98	60				
1/2/98	60				

Initial Oil Production

Initial Open Flow

Elevation at Mouth of Well

Formation	Top	Bottom	Thickness	Off at	Gas at	Water at	Thickness of Pay
Pittsburgh Coal							
Red Rock Cave							
Cow Run (First)							
Cow Run (Second)							
Salt Sand (Upper)							
Salt Sand (Middle)							
Salt Sand (Lower)							
Maxon							
Little Lime							
Pencil Cave							
Big Lime							
Keener Sand							
Injun Sand							
Square Sand							
Weir Sand							
Berea Sand							
Gantz Sand							
Fifty Foot Sand							
Thirty Foot Sand							
Cordon Stray							
Gordon Sand							
Fourth Sand							
Fifth Sand							
Currierous Lime							
Niagara Lime							
Cave							
Clinton							
Medina Shale							
Trenton							
Total Depth	1571						

Remarks

PACKERS

Size	Make	Set at
6x5		