

Latitude 39° 35'

Longitude 80° 35'

0.748
3.51W

M.A. JOLLIFFE OR S.A. KETZEL 43 A

STELLA A. KETZEL 41 A.

COAL OWNED BY TARA COAL CO
PITTSBURGH, PA

M. A. HEADLEE
120 + 17 A

W. L. WOODBURN
124 A.

M.A. JOLLIFFE

New Location...
Drill Deeper.....
Abandonment.....

A. B. LOWMYER AGT
 Company PINE RUN DEVELOPMENT CO
 Address MIDDLEBURGH W.VA.
 Farm STELLA A. KETZEL
 Tract 1 Acres 41 Lease No. _____
 Well (Farm) No. A Serial No. _____
 Elevation (Spirit Level) 764.10
 Quadrangle LITTLETON
 County WETZEL District GRANT
 Engineer J. M. Cozmann
 Engineer's Registration No. CO. SURVEYOR
 File No. _____ Drawing No. _____
 Date 5-22-56 Scale 1" = 20000

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Wct-435

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

6-0 -41



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Littleton

Permit No. *Wet 435*

WELL RECORD

Oil or Gas Well Gas

Company Pine Run Development Co.,
Address Middlebourne, W. Va.
Farm Stella Ketzal Acres 11
Location (waters) North Fork of Fishing Creek
Well No. 4 Elev. 764.10'
District Grant County Wetzel
The surface of tract is owned in fee by Stella Ketzal
Address Pine Grove, W. Va.
Mineral rights are owned by Same
Address _____
Drilling commenced June 18, 1956
Drilling completed " 30, 1956
Date Shot Not shot From _____ To _____
With _____
Open Flow 16 /10ths Water in 1 Inch
_____ /10ths Merc. in _____ Inch
Volume 23000 Cu. Ft.
Rock Pressure 105 lbs. _____ hrs.
Oil 0 bbls., 1st 24 hrs.
Fresh water 30 feet 80 feet
Salt water NONE feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
18			
10			Size of <u>5-3/16</u>
8 1/4	<u>20'</u>	<u>NONE</u>	
8%			Depth set <u>471'</u>
5 3/16	<u>205'</u>	<u>205'</u>	
8			Perf. top _____
2	<u>491'</u>	<u>491'</u>	Perf. bottom _____
Liners Used	<u>22" (3")</u>	<u>22"</u>	Perf. top _____
			Perf. bottom <u>489'</u>

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT 383' FEET = _____ INCHES
481' FEET 48" INCHES FEET INCHES
_____ FEET _____ INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand and gravel			00	20			
Slate & Sand			20	140			
Sand			140	148			
Lime			148	175			
Slate			175	182			
Redrock			182	186			
Slate & Lime			186	275			
Redrock			275	307			
Sand			307	320			
Slate & Lime			320	383			
Coal			383	385			Little gas
Slate			385	391			
Slate & Shells			391	462			
Lime			462	470			
Slate			470	472			
Lime			472	474			
Slate			474	481			
Coal Pkg			481	485			Gas
Slate			485	491			
Total Depth 491							

