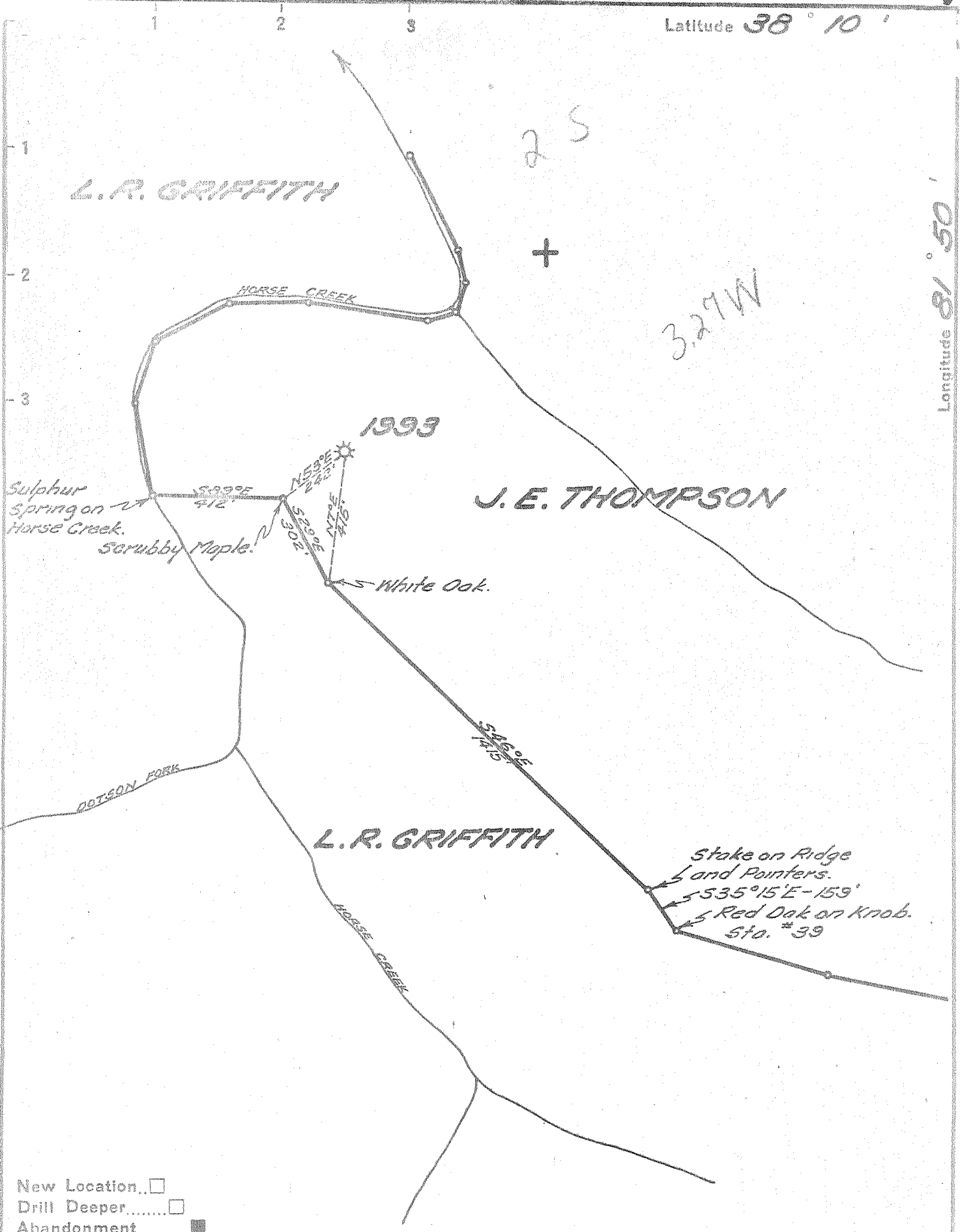


Latitude 38° 10'

Longitude 81° 50'



New Location
 Drill Deeper
 Abandonment

Company UNITED FUEL GAS CO.
 Address CHARLESTON, W. VA.
 Farm J.E. THOMPSON
 Tract _____ Acres 100 Lease No. 20509
 Well (Farm) No. _____ Serial No. 1993
 Elevation (Spirit Level) 950.00'
 Quadrangle MADISON
 County BOONE District SCOTT
 Engineer Paul E. Joachim
 Engineer's Registration No. 669
 File No. 46-43 Drawing No. _____
 Date 9-23-54 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. B00-231-A

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

664

WELL RECORD

Quadrangle Madison

Permit No. 224A

Oil or Gas Well Gas
(KIND)

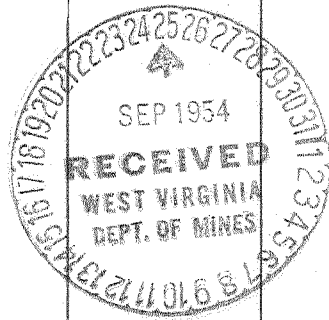
Company UNITED FUEL GAS CO.
Address P.O. Box 1273, Charleston 25, W. Va.
Farm J. E. Thompson Acres 100
Location (waters) Horse Creek
Well No. 1993 Elev. 950.0'
District Scott County Boone
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by Charley Miller, et al
Boone National Bank Address Madison, W. Va.
Drilling commenced 11-20-28
Drilling completed 1-20-29
Date Shot 1-24-29 From _____ To _____
With 30 qts.
Open Flow 38/10ths Water in 2 Inch
/10ths Merc. in _____ Inch
Volume 260,000 Cu. Ft.
Rock Pressure 400 lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 175 feet _____ feet
Salt water 570 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>Anchor</u>
13			Size of
10		<u>425-5</u>	<u>3x5-3/16x16</u>
8 1/4		<u>1498-2</u>	Depth set
6 1/2			<u>2008'</u>
5 3/16			Perf. top
3			Perf. bottom
2		<u>2142-8</u>	Perf. top
Liners Used			Perf. bottom

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

COAL WAS ENCOUNTERED AT 165 FEET 24 INCHES
235 FEET 36 INCHES 394 FEET 24 INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Soil			0	16	Water hole full 175 & 570'		Gas 2079-2085, 2085-2087', 2087-2089', 2089-2094'. Hole reduced at 1541'
Slate & Shells			16	165			
Coal			165	167			
Lime			167	180			
Slate & Shells			180	195			
Sand			195	225			
Slate			225	235			
Coal			235	238			
Slate & Shells			238	394			
Coal			394	396			
Slate & Shells			396	490			
Gas Sand			490	535			
Slate Break			535	537			
Salt Sand			537	620			
Slate			620	695			
Salt Sand			695	940			
Slate			940	960			
Sand			960	980			
Lime			980	1030			
Slate & Shells			1030	1050			
Lime			1050	1080			
Slate			1080	1090			
Lime			1090	1120			
Maxon Sand			1120	1200			
Slate			1200	1265			
Red Lime			1205	1212			
Slate & Shells			1212	1320			
Little Line Shell			1320	1375			
Lime Shells			1375	1390			
Break			1390	1400			
Big Lime			1400	1597			
Big Injun			1597	1632			
Slate & Shells			1632	1717			
Lime Gritty			1717	1785			
Slate & Shells			1785	2064			
Brown Shale			2064	2076			
Berea Sand			2076	2101			
Slate & Shells			2101	2122			
Total depth			2122'				



JUN 17 1955

(Over)

Bottom 2 in tubing

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date September 24, 1954

APPROVED UNITED FUEL GAS CO., Owner

By S.R. Ferrell
(Title)

Mgr. Civil Engr. Department