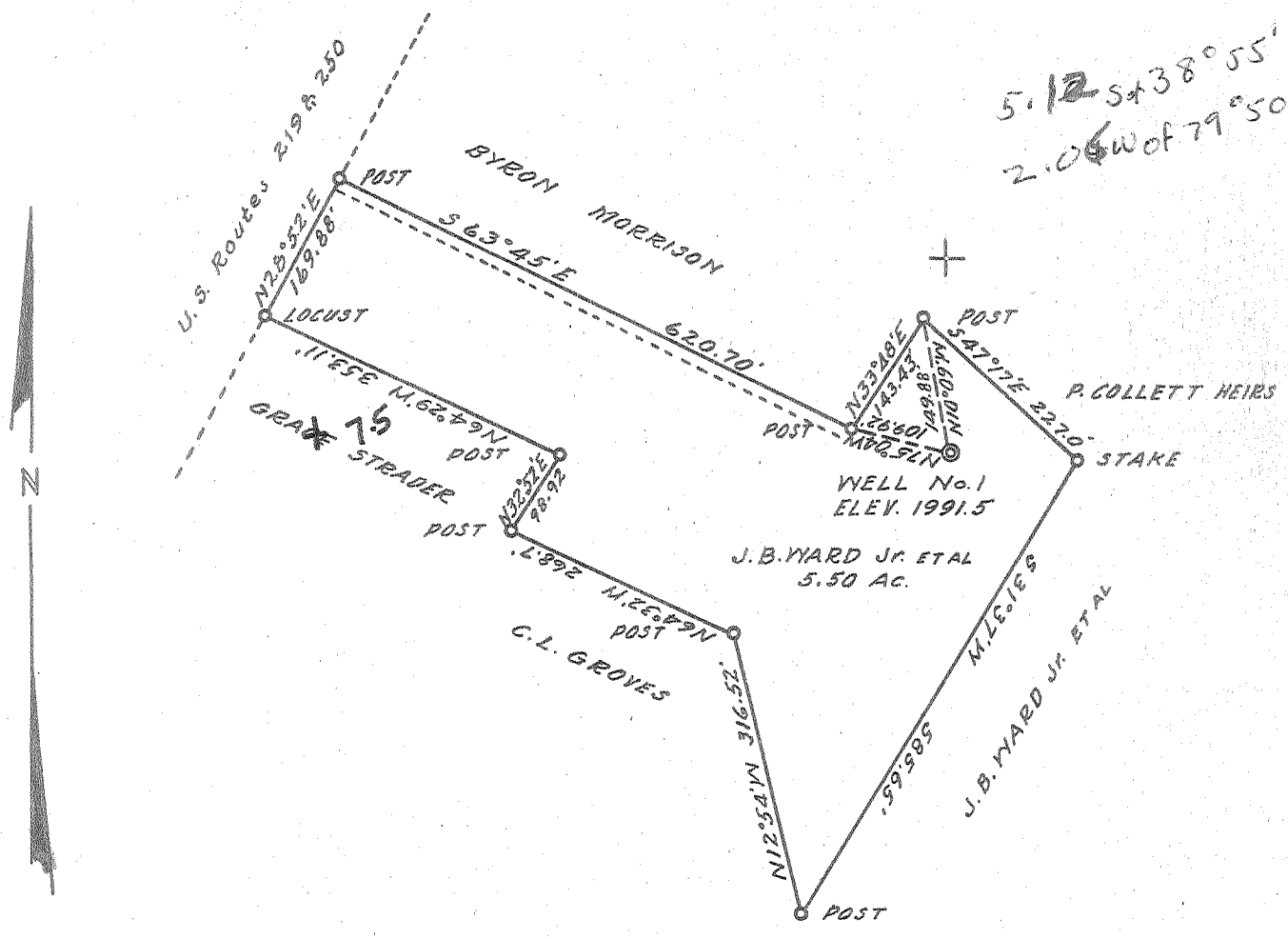


Latitude $38^{\circ} 55'$
 $38^{\circ} 52' 30''$

Longitude $79^{\circ} 50'$



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

5 SC (H-12)

Company J.B. WARD JR. ETAL
 Address BLVERLY, W. VA.
 Farm J.B. WARD JR. ETAL
 Tract _____ Acres 5.5 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 1991.5
 Quadrangle ELKINS - C Beverly East 7.5
 County RANDOLPH District BEVERLY
 Engineer R.W. Carpenter
 Engineer's Registration No. 765
 File No. E1-101256 Drawing No. _____
 Date 10-12-56 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. RAN-90

+ 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.

Samples 1242-1281

1-0 0 Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Elkins
Permit No. RAN-90

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company J. B. Ward Jr.
Address Beverly, W. Va.
Farm J. B. Ward, Heirs Acres 5-1/2
Location (waters) Tygarts Valley River
Well No. ~~1991~~ one Elev. 1991.5
District Beverly County Randolph
The surface of tract is owned in fee by J. B. Ward, Heirs
Address Beverly, W. Va.
Mineral rights are owned by J. B. Ward, Heirs
Address Beverly, W. Va.
Drilling commenced 11-10-56
Drilling completed not completed-waiting to get 4" casing
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume about enough gas to run a small stove Cu. Ft.
Rock Pressure 78 lbs. 10 days hrs.
Oil Show in shales bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 3/8	<u>122'</u>	<u>cemented to top</u>	Depth set <u>162'</u>
5 3/16	<u>162'</u>	<u>cemented to top</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 122' SIZE 6" No. Ft. Nov. 56 Date
casing cemented 162' size 5" (cemented to top)
COAL WAS ENCOUNTERED AT none below coal FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT
Fresh Water sealed off by water proof cement Feet
1 gal / day Salt Water Show of 1000 Ft. Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Portage	gray	Soft	0	50			
Blue Stone			50	101	Gas at 148' Gas at 193'	148' 193'	This gas was sealed off by water-proof cement
Genessee	Black	soft	101	270			
Cherty Lime	Dark Gray	Hard	270	303			
Tullahoma Lime	Gray	Hard	303	339	Show of Gas		"
Hamilton	Gray-Red - Black-Brown	Soft Lime	339'	949-1/2			
Lime	Dark Gray	Hard	949-1/2	954			
Marcellus	Black	Soft	954	1170	Show of Gas	<u>1155-1167</u>	
Low Marcellus-D. Selin	Gray	Hard	1170	1270	Show of Gas	1170-1270	Fragments of Tetra Coral
Onondaga Chert-Lime and Chert		Hard	1270	1275	Making Gas	1275-1281	See Sample
Needmore (caving)	Dark Brown	Hard	1275	1281			