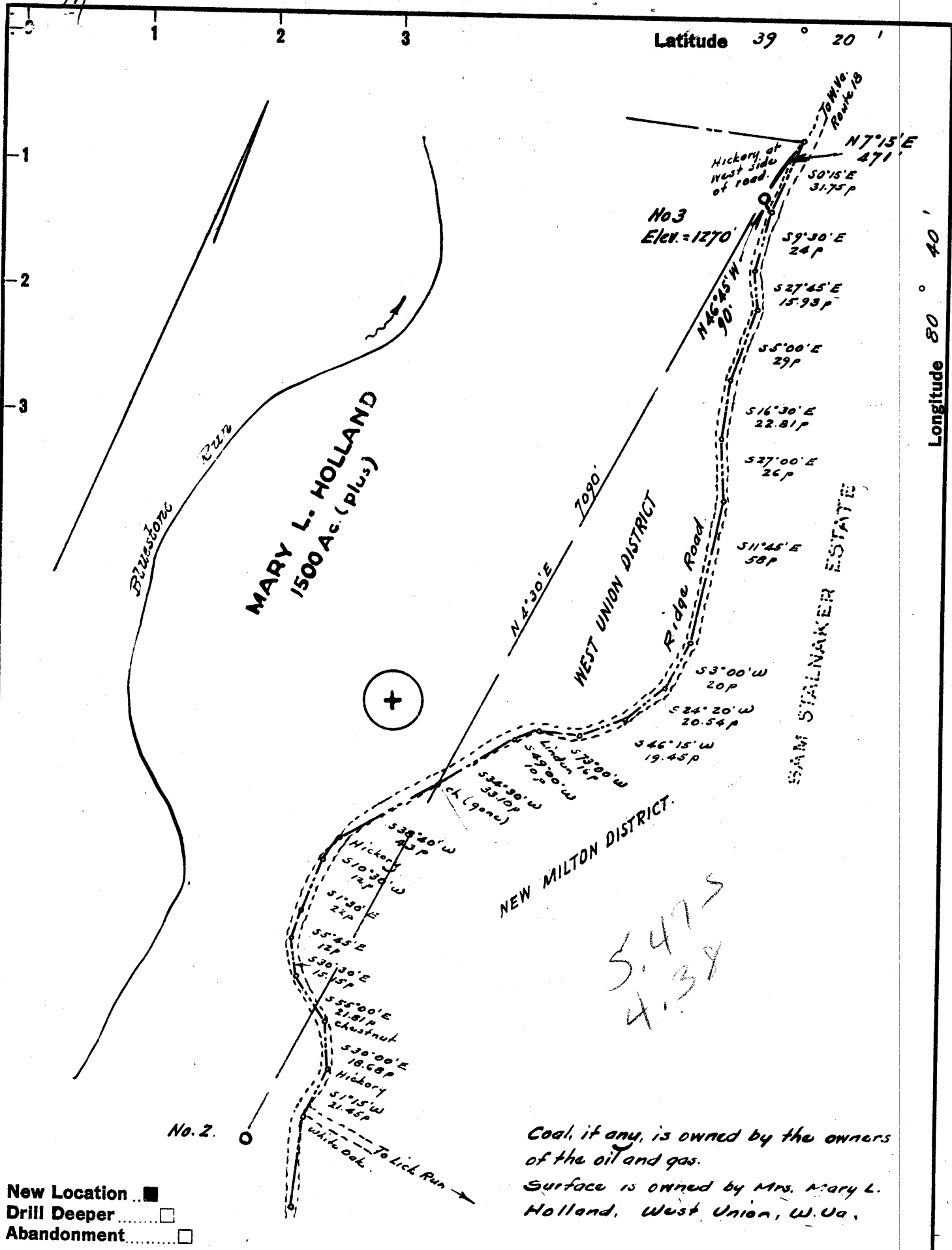


Latitude 39° 20'

Longitude 80° 40'



No. 2

- New Location
- Drill Deeper
- Abandonment

Coal, if any, is owned by the owners of the oil and gas.
 Surface is owned by Mrs. Mary L. Holland, West Union, W. Va.

Company **JUSTIN M. HENDERSON**
 Address **108 Wood St. West Union, W. Va.**
 Farm **Mary L. Holland**
 Tract _____ Acres **1500+** Lease No. _____
 Well (Farm) No. **Three** Serial No. _____
 Elevation (Spirit Level) **1270**
 Quadrangle **Centerpoint SW**
 County **Doddridge** District **West Union**
 Engineer **[Signature]**
 Engineer's Registration No. **1227**
 File No. _____ Drawing No. _____
 Date **Dec. 1939** Scale **1" = 50 poles.**

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

WELL LOCATION MAP
 FILE NO. DOD-382

+ 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 6

Quadrangle Holbrook

Permit No. Dod 382

WELL RECORD

Oil or Gas Well gas
(KIND)

Company Henderson No. 3
Address West Union, W. Va.
Farm Mary L. Holland Acres 1500
Location (waters) Bluestone Creek
Well No. 1 Elev. 1270
District West Union County Doddridge
The surface of tract is owned in fee by Mary L. Holland
Address West Union, W. Va.
Mineral rights are owned by Leeman Maxwell Heirs
Address West Union, W. Va.
Drilling commenced June 4, 1960
Drilling completed June 24, 1960
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 800,000 Cu. Ft.
Rock Pressure 440 lbs. lbs. 24 hrs.
Oil approximately 1 bbls., 1st 24 hrs.
WELL ACIDIZED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
18			
13			
10	yes	no	Size of
8 1/4	yes	no	
6 3/4			Depth set
5 3/16	<u>1897'</u>	<u>1897'</u>	
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 5 1/2" SIZE 300 No. Ft. 6/21/60 Date
18 hrs. Hi Early - 4 hrs. aq. gel
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
Lawsen cementing
_____ FEET _____ INCHES
_____ FEET _____ INCHES

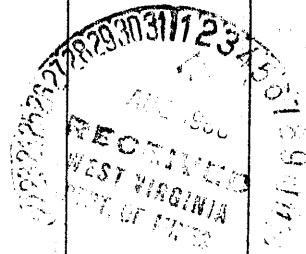
WELL FRACTURED _____

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet _____ Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sandstone	yellow	hard	0	15			
Sandstone	yellow	soft	15	25			
Sand	white	soft	25	40			
Shale	Blue	soft	40	47			
Shale	red	soft	47	105			
Shale & shells	red	soft					
Shale	gray	hard	105	152			
Shale	red	soft	152	174			
Sand	white	hard	174	196			
Shale	red	soft	196	207			
Shale	gray	soft	207	230			
Shale & shells	gray	hard	238 230	238			
Lime	brown	hard	238	250			
Sand	white	soft	250	255			
Lime	white	hard	255	275	water		9 bailers in 36 hrs.
Shale & shells	red	hard	275	345			
Shale & shells	gray	hard	345	370			
Sand & lime	white	hard	370	385			
Shale	gray	soft	385	395			
Sand	white	hard	395	427			
Shale	red	soft	427	435			
Lime	white	hard	435	442			
Shale	gray	soft	442	477			
Lime	gray	hard	477	481			



Formation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
Shale	gray	soft	481	496			
Lime	white	hard	496	514			
Shale	pink	soft	514	545			
Shale	gray	soft	545	561			
Shale & shells	gray	hard	561	614			
Shale	red	soft	614	648			red-rock
Shale & shells	gray	hard	648	660			
Lime	gray	hard	660	675			
Shale	gray	soft	675	725			
Shale	pink	soft	725	755			
Shale	red	soft	755	774			red-rock
Shale & shells	gray	soft	774	835			
Shale	red	soft	835	875			red-rock
Shale	gray	soft	875	885			
Sand	gray	hard	885	915			
Shale	black	soft	915	920			
Shale	pink	soft	920	940			
Shale & shells	gray	hard	940	965			
Lime	gray	hard	965	995			
Shale & shells	gray	hard	995	1005			
Shale	black	soft	1005	1020			
Shale & shells	gray	hard	1020	1100			
Sand	gray	hard	1100	1125			
Lime	gray	hard	1125	1155			
Sand	white	soft	1155	1168			Little Dunkard
Shale & shells	gray	hard	1168	1175			
Sand	white	hard	1175	1265			Big Dunkard
Shale & shells	gray	hard	1265	1308			
Lime	gray	hard	1308	1333			
Shale	black	soft	1333	1346			
Sand	gray	hard	1346	1365			
Sand	white	hard	1365	1409			
Shale	black	soft	1409	1414			
Shale & shells	gray	hard	1414	1430			
Sand	gray	hard	1430	1457	1457		
Lime	gray	hard	1457	1473			
Shale	black	soft	1473	1484			
Lime	gray	hard	1484	1503			
Shale	black	soft	1503	1508			
Lime	gray	hard	1508	1515			
Shale & shells	gray	hard	1515	1545			
Shale	black	soft	1545	1585		1608	show of gas
Lime	gray	hard	1615	1628			
Sand	white	hard	1628	1640			
Shale and shells	black	soft	1640	1662			
Lime	gray	hard	1662	1666			
Shale	black	soft	1666	1672			
Shale & shells	gray	hard	1672	1700			
Lime	gray	hard	1700	1710			
Shale & shells	gray	hard	1710	1730			
Shale	black	soft	1740	1752			
Lime	gray	hard	1752	1787		1759	show of gas
Shale	gray	soft	1787	1804			
Lime	gray	hard	1804	1828			Little lime
Sand	gray	hard	1828	1868			Blue Monday

Date 7/30/60, 19__

APPROVED _____, Owner

By Justin M. Henderson
(Title)

6A

Dod - 382

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Lime	Brown	Hard	-1868	1920	gas & oil	1873	
Sand	White	Hard	1920	1957			
Lime	Black	Hard	1957	1967			Big Lime 1868
Sand	White	Hard	1967	1990			
Shale	Gray	Soft	1990	1992			
Sand & shale			1992	1998	oil	1912	
Shale			1998	2010			Gas - 1992-1995