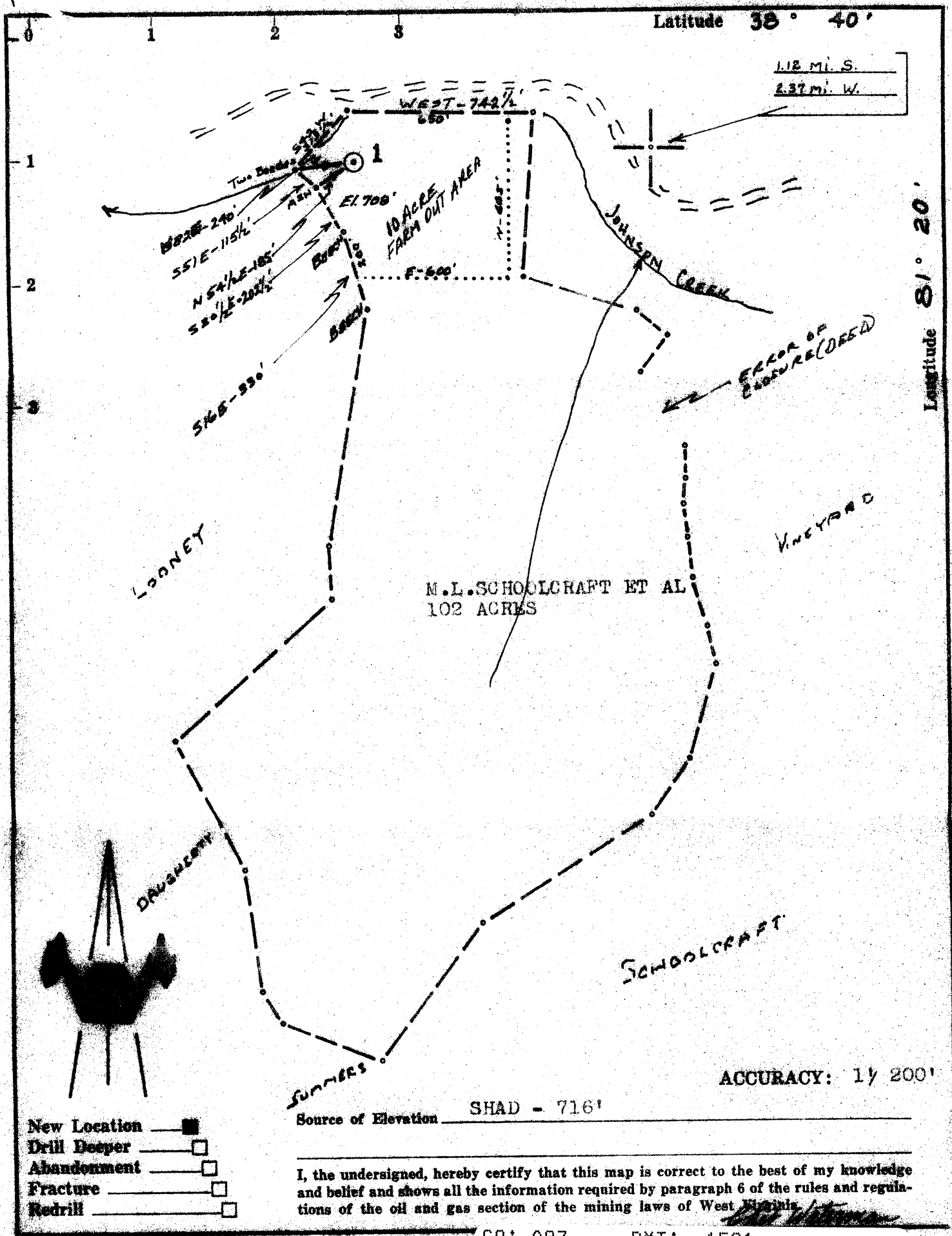


M

P



Company RAY BROTHERS

Address CHARLESTON, W. VA.

Farm M.L. SCHOOLCRAFT ET AL

Tract Acres 102 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 708'

Quadrangle WALTON C

County ROANE District WALTON

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 67003-14 Drawing No. \_\_\_\_\_

Date 3/4/67 Scale 1" = 500'

CO: 087 PMT: 1591  
 Loc Disitized from OGIS 7.5' Mylar  
 QUAD: 656 DATE: 12-JUN-90  
 LAT: 38 40.0 Miles South: 1.07  
 LONG: 81 22.5 Miles West : 0.10

**WELL LOCATION MAP**  
 FILE NO. ROA - 1591

+ 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.

6-60 196 MAY 16 1967



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Walton

Permit No. ROA-1591

**WELL RECORD**

Oil or Gas Well Disposal  
(KIND)

Company <u>Ray Brothers Corporation</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>718 Kanawha Valley Bldg., Chas., W. Va.</u>	Size			Kind of Packer
Farm <u>M. L. Schoolcraft et al</u> Acres <u>10</u>	16			
Location (waters) <u>Johnson Creek</u>	13			Size of
Well No. <u>One</u> Elev. <u>708'</u>	10			Depth set
District <u>Walton</u> County <u>Roane</u>	8 1/4	<b>62'</b>		
The surface of tract is owned in fee by	6 5/8			
Address	5 3/16		<b>1980'</b>	
Mineral rights are owned by <u>M. L. Schoolcraft et al</u>	4 1/2			Perf. top <u>1894'</u>
Address <u>Walton, W. Va.</u>	3			Perf. bottom <u>1928'</u>
Drilling commenced <u>May 25, 1967</u>	2			Perf. top
Drilling completed <u>May 31, 1967</u>	Liners Used			Perf. bottom
Date Shot From To				
With				
Open Flow /10ths Water in Inch	Attach copy of cementing record.			
/10ths Merc. in Inch	CASING CEMENTED <u>4 1/2</u> SIZE <u>1980</u> No. Ft. <u>5/31/67</u> Date			
Volume Cu. Ft.	Amount of cement used (bags)			
Rock Pressure lbs. hrs.	Name of Service Co.			
Oil bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT FEET INCHES			
WELL ACIDIZED (DETAILS)	FEET INCHES FEET INCHES			
WELL FRACTURED (DETAILS)	FEET INCHES FEET INCHES			

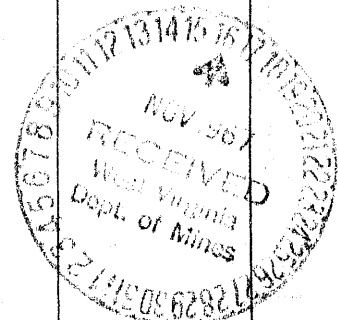
RESULT AFTER TREATMENT (Initial open Flow or bbls.) Salt Water Disposal Well in Big Injun

ROCK PRESSURE AFTER TREATMENT HOURS

Fresh Water Feet Salt Water Feet

Producing Sand Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Shale			0	82			
Sand			82	132			
Slate & Shells			132	750			
Sand & Shale			750	1389			
Salt Sand			1389	1709			
Little Lime			1709	1734			
Pencil Cave			1734	1742			
Big Lime			1742	1866			
Keener			1866	1881			
Injun			1881	1930			
Squaw			1930	1960			
Shale			1960	1980 ID			



1881  
- 708  
- 1173



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
**WELL LOCATION FORM: GPS**

API: 47-087-01591P WELL NO.: #163

FARM NAME: Schoolcraft

RESPONSIBLE PARTY NAME: Mountain Country Partners

COUNTY: Roane DISTRICT: Walton

QUADRANGLE: Walton 7.5'

SURFACE OWNER: Leo Bode

ROYALTY OWNER: \_\_\_\_\_

UTM GPS NORTHING: 4278096.3 4278117.3

UTM GPS EASTING: 463627.7 GPS ELEVATION: 28.1

467201.2

*Verified  
by Ed. Galt  
On The Field  
Bob  
12/20/11*

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

Mapping Grade GPS \_\_\_\_\_: Post Processed Differential \_\_\_\_\_  
Real-Time Differential \_\_\_\_\_

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Randy Burgess Designated Agent 9/23/11  
Signature Title Date



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
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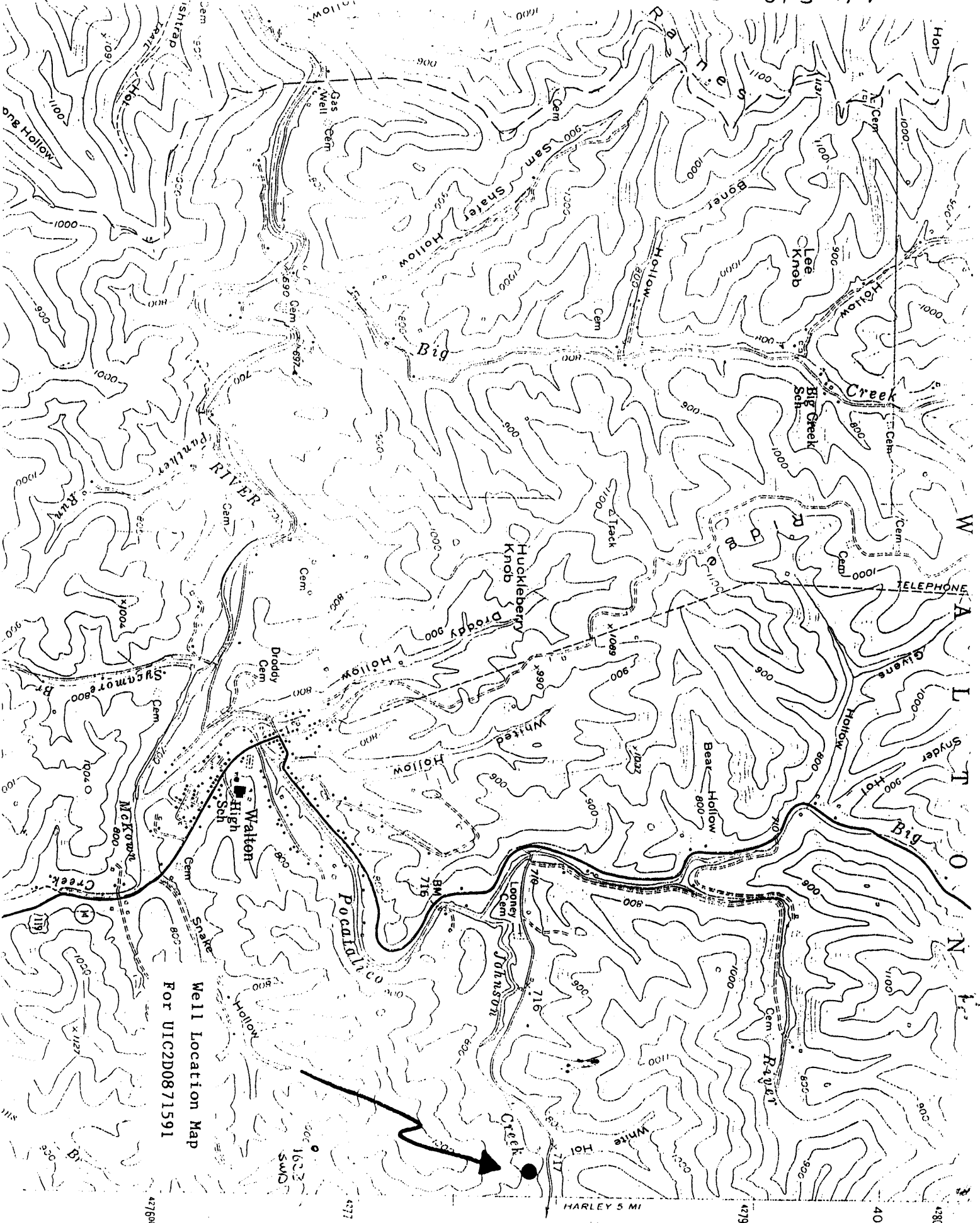
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Randy Burgess Designated Agent 9/23/11  
Signature Title Date

87-01591 P



Well Location Map  
For VIC2D0871591