

EXTERIOR BOUNDARY FROM DEED DESCRIPTION.

ELEVATION BY SPIRIT LEVELING FROM INTERSECTION OF W.VA. SEC. RT. 29 & UNION FORK RD. - ELEVATION 652.00

ACCURACY: 1' IN 1000'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

L.S.S.

- New Location .
- Drill Deeper . . . .
- Redrill . . . . .
- Abandonment . . . . .

Company **RAY BROS. CORP.**  
 Address 718 KANAWHA VALLEY BUILDING CHARLESTON, W.VA. 25301  
 Farm **REBA CAVENDER**  
 Tract \_\_\_\_\_ Acres **98.25** Lease No. \_\_\_\_\_  
 Well (Farm) No. **1** Serial No. \_\_\_\_\_  
 Elevation (Spirit Level) **864.84**  
 Quadrangle **CHARLESTON N.W.**  
 County **KANAWHA** District **POCA**  
 Engineer *P.O. [Signature]*  
 Engineer's Registration No. **1341**  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date **FEB. 16, 1968** Scale **1" = 500'**

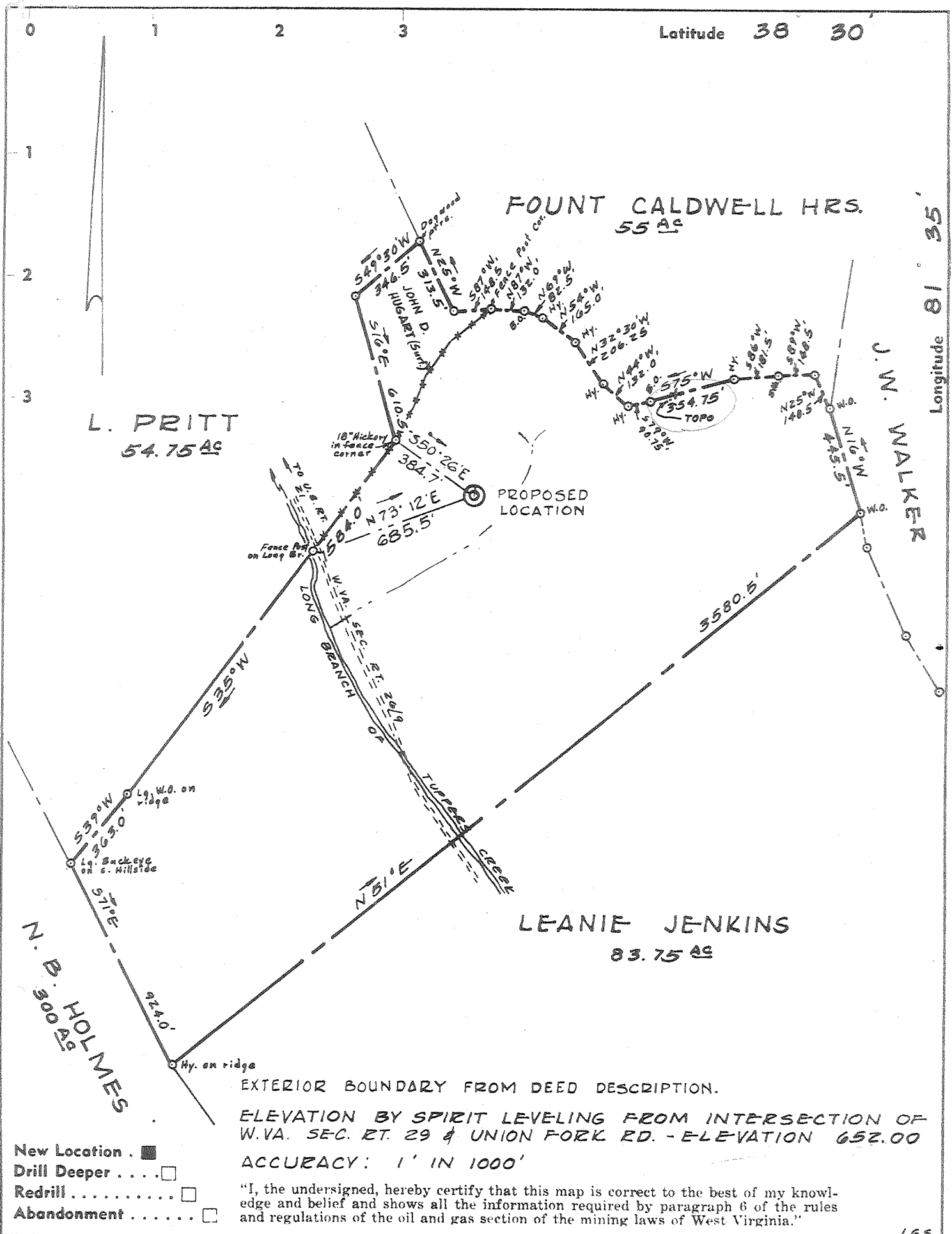
STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. **KAN-2222-P**

+ 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.

*Deep Well (numbers)*



Company **RAY BROS. CORP.**  
 718 KANAWHA VALLEY BUILDING  
 Address CHARLESTON, W.VA. 25301

Farm **REBA CAVENDER**

Tract \_\_\_\_\_ Acres **98.25** Lease No. \_\_\_\_\_

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

Elevation (Spirit Level) **864.84**

Quadrangle **CHARLESTON N.W.**

County **KANAWHA** District **POCA**

Engineer **[Signature]**

Engineer's Registration No. **1341**

File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_

Date **FEB. 16, 1968** Scale **1" = 500'**

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
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 CHARLESTON

**WELL LOCATION MAP**  
 FILE NO. **KAN-2222**

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*Deep Well (Newburg)*

MAR 4 1968



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle.....

Permit No. **KAN-2222**

**WELL RECORD**

Oil or Gas Well **Dry**  
(KIND)

Company **Ray Brothers Corporation**  
Address **718 Kan. Valley Bldg., Chas., W. Va.**  
Farm **Reba Cavendez** Acres **98.25**

Location (waters).....  
Well No. **One** Elev. **864.84'**  
District **Poca** County **Kanawha**

The surface of tract is owned in fee by.....  
Address.....

Mineral rights are owned by **M. C. Paterno**  
**Kanawha Valley Bldg.** Address **Charleston, W. Va.**

Drilling commenced **February 24, 1968**  
Drilling completed **March 3, 1968**

Date Shot..... From..... To.....  
With.....

Open Flow /10ths Water in..... Inch  
/10ths Merc. in..... Inch

Volume **None** Cu. Ft.

Rock Pressure..... lbs..... hrs.

Oil..... bbls., 1st 24 hrs.

WELL ACIDIZED (DETAILS).....

WELL FRACTURED (DETAILS).....

RESULT AFTER TREATMENT (Initial open Flow or bbls.).....

ROCK PRESSURE AFTER TREATMENT..... HOURS.....

Fresh Water..... Feet..... Salt Water **5020'** Feet.....

Producing Sand..... Depth.....

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer.....
16.....			251 cemented to surface
13 3/8		1968	Size of.....
9 5/8		5089	Depth set.....
7			Perf. top.....
6 1/2			Perf. bottom.....
5 3/16			Perf. top.....
4 1/2			Perf. bottom.....
3			
2			
Liners Used.....			

Attach copy of cementing record.  
CASING CEMENTED..... SIZE..... No. Ft..... Date.....  
Amount of cement used (bags).....  
Name of Service Co.....  
COAL WAS ENCOUNTERED AT..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES  
..... FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Top Soil			0	30			
Sandstone			30	70			
Shale & RR			70	230			
Sand			230	250			
Shale & RR & Sand			250	1180			
Salt Sand			1180	1580			
Shale & Sand			1580	1650			
Shale & Lime			1650	1695			
Big Lime			1695	1855			
Injun			1855	1915			
Shale			1915	2375			
Berea Sand			2375	2387			
Shale			2387	4930			
Corniferous Lime			4930	5020			
Criskany			5020	5085			
Lime			5085	5810			
Sand (Newburg)			5810	5825			
Lime (McKenzie)			5825	5925 TD			

