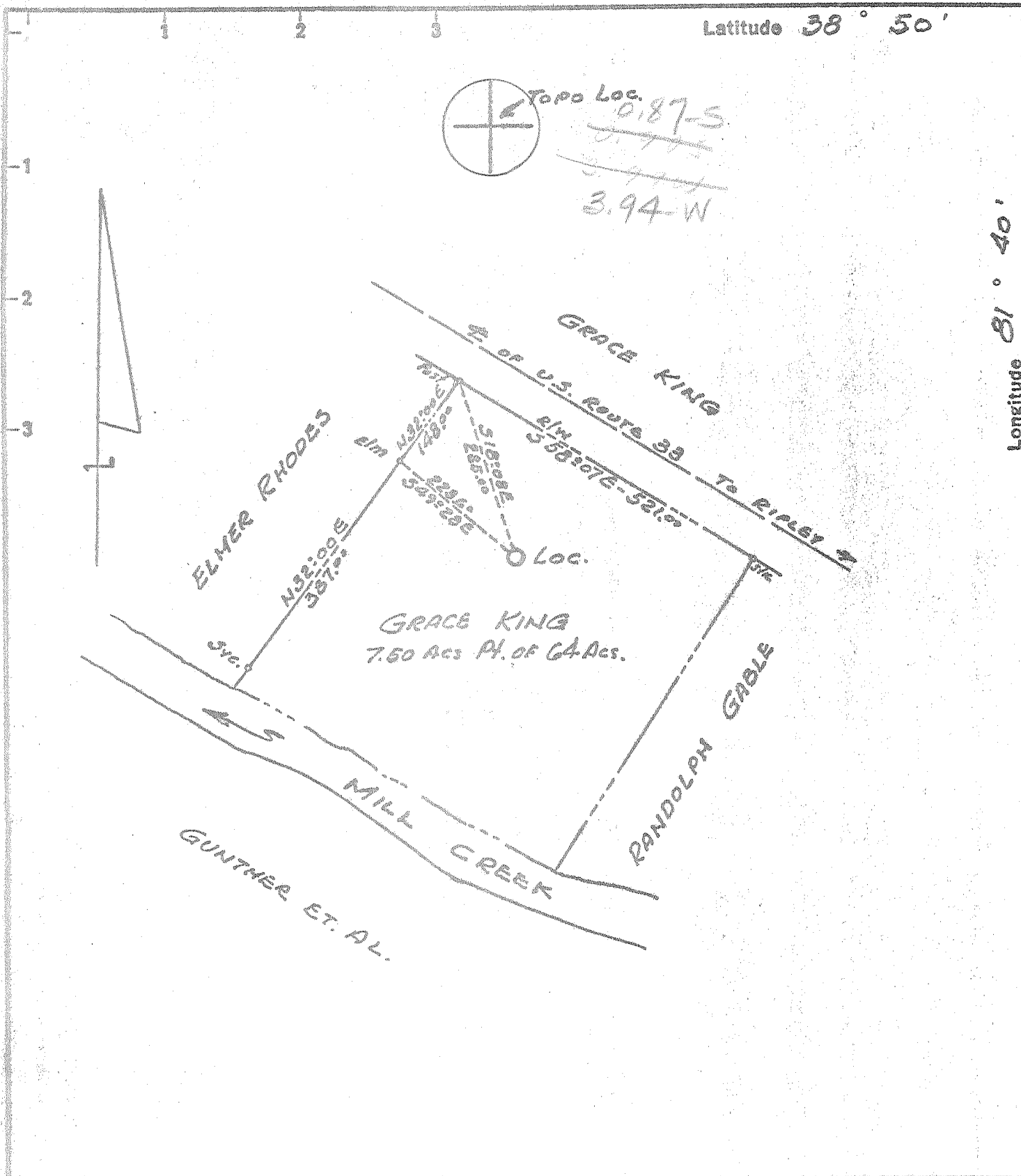


Latitude 38° 50'

Longitude 81° 40'



New Location
 Drill Deeper
 Abandonment
 4/13/71

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. ELEV. 628' ROAD INTERSECTION RT. 33 N.W. OF LOC.

"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."

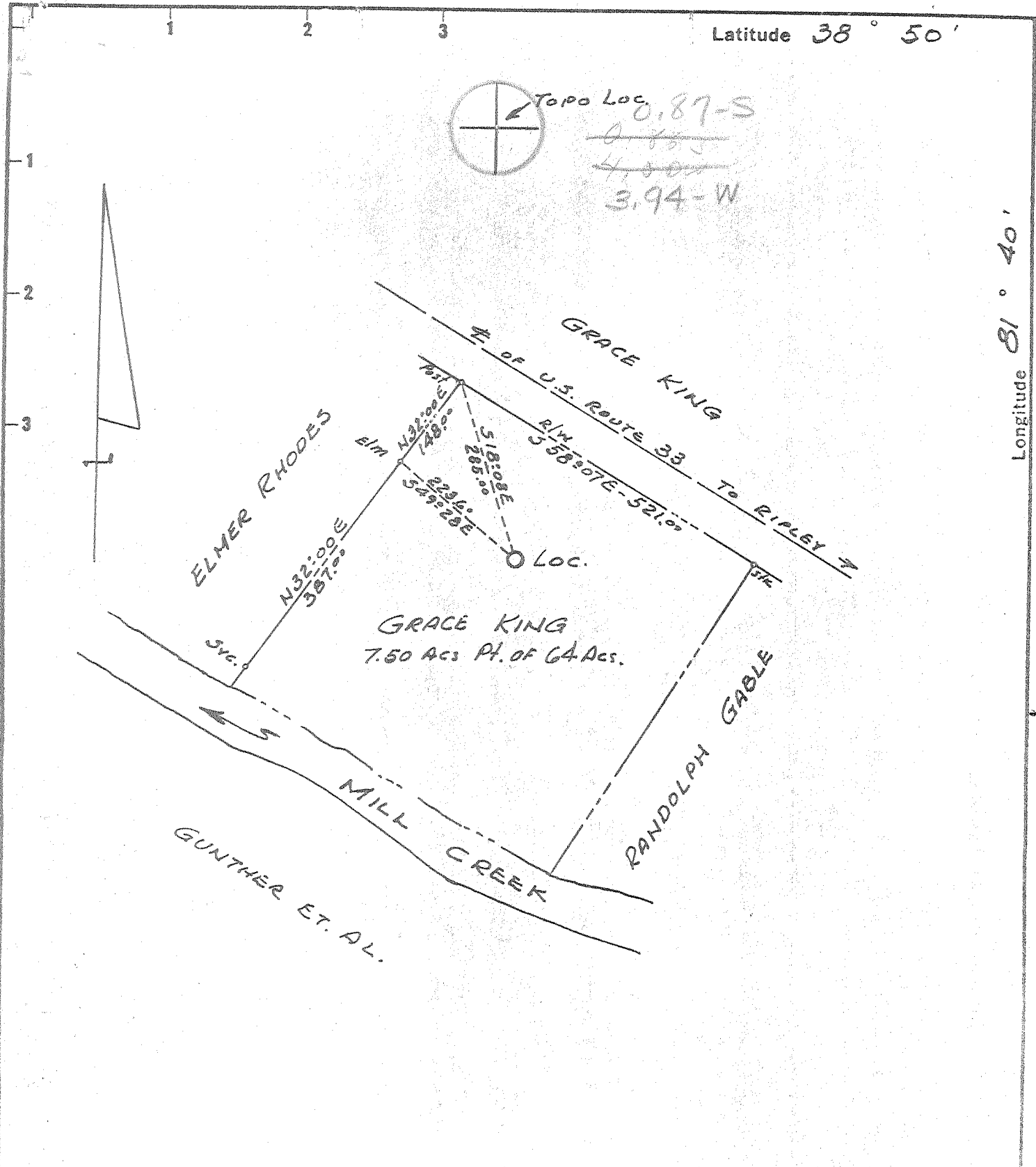
Company D. C. MALCOLM, INC.
 Address COMMERCE SQUARE, CHARLESTON, W.Va.
 Farm GRACE KING
 Tract _____ Acres 7.50 PART OF 64 AC. TRACT Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 606.5
 Quadrangle RIPLEY SW
 County JACKSON District RIPLEY
 Engineer N. G. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date SEPT. 26, '70 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. JAC-1243-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.



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation U.S.G.S. ELEV. 628' ROAD INTERSECTION RT. 33 N.W. OF LOC.

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Company D. C. MALCOLM, INC.
 Address COMMERCE SQUARE, CHARLESTON, W.Va.
 Farm GRACE KING
 Tract Acres 7.50 PART OF 64 AC. TRACT Lease No.
 Well (Farm) No. 1 Serial No.
 Elevation (Spirit Level) 606.5
 Quadrangle RIPLEY SW
 County JACKSON District RIPLEY
 Engineer N. L. Sefton
 Engineer's Registration No. 1932
 File No. Drawing No.
 Date SEPT. 26, '70 Scale 1" = 200'

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

WELL LOCATION MAP
 FILE NO. JAC-1243

+ 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 squares on border line of original tracing.

6-0 Ripley 311

Deep Well (Newburg)

OCT 24 1970



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APR 16 1971

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

- Rotary
- Spudder
- Cable Tools
- Storage

CEN
 Dry
 (KIND)

Quadrangle Ripley
 Permit No. JAC 1243

WELL RECORD

Company	Casing and Tubing	Used in Drilling	Left in Well	Packers
<u>D. C. Malcolm, Inc.</u>				
<u>1404 Commerce Sq., Charleston, W. Va.</u>				
<u>Grace King</u> Acres <u>64</u>	Size			Kind of Packer
Location (waters) <u>16</u>				
Well No. <u>1</u> Elev. <u>621.5 KB</u>	<u>3/8</u>	<u>67</u>	<u>67</u>	Size of
District <u>Ripley</u> County <u>Jackson</u>	<u>8 5/8</u>	<u>1980</u>	<u>1980</u>	Depth set
The surface of tract is owned in fee by <u>Grace King</u>	<u>6%</u>			
Address <u>Ripley, W. Va.</u>	<u>5 3/16</u>	<u>5397</u>	<u>1200'</u>	
Mineral rights are owned by <u>Grace King</u>	<u>4 1/2</u>			Perf. top
Address <u>Ripley, W. Va.</u>	<u>3</u>			Perf. bottom
Drilling commenced	<u>2</u>			Perf. top
Drilling completed <u>October 29, 1970</u>				Perf. bottom
Date Shot From To	Liners Used			
With				

Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) 500 gals acid, 1500# sd., 470 bbls water

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
 RESULT AFTER TREATMENT (Initial open Flow or bbls.) Sho of Gas - Sulphur present
 ROCK PRESSURE AFTER TREATMENT None Taken HOURS _____
Surface hole drilled on fluid - No fluid tests
 Fresh Water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Newburg Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>Sand</u>			<u>Surface</u>	<u>160</u>			
<u>late & Shell</u>			<u>160</u>	<u>1535</u>			
<u>Sand</u>			<u>1535</u>	<u>1625</u>			
<u>Lime</u>			<u>1625</u>	<u>1810</u>			
<u>Sand</u>			<u>1810</u>	<u>1900</u>			
<u>late & Shell</u>			<u>1900</u>	<u>4578</u>			
<u>Lime</u>			<u>4578</u>	<u>4666</u>			
<u>Sand</u>			<u>4666</u>	<u>4688</u>			
<u>Lime</u>			<u>4688</u>	<u>5423</u>			
<u>Sand</u>			<u>5423</u>	<u>5437</u>			
<u>Total Depth</u>				<u>5437</u>			

(over)

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APR 16 1971

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

- Rotary
- Spudder
- Cable Tools
- Storage

Quadrangle Ripley

Permit No. JAC 1243

WELL RECORD

Oil or Gas Well Dry
(KIND)

Company <u>D. C. Malcolm, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>1404 Commerce Sq., Charleston, W. Va.</u>	Size			
Farm <u>Grace King</u> Acres <u>64</u>	16			Kind of Packer
Location (waters)	13 <u>3/8</u>	<u>67</u>	<u>67</u>	
Well No. <u>1</u> Elev. <u>621.5 KB</u>	10			Size of
District <u>Ripley</u> County <u>Jackson</u>	<u>8 5/8</u>	<u>1980</u>	<u>1980</u>	Depth set
The surface of tract is owned in fee by <u>Grace King</u>	6 3/4			
Address <u>Ripley, W. Va.</u>	<u>5 3/16</u>	<u>5397</u>	<u>1200'</u>	
Mineral rights are owned by <u>Grace King</u>	4 1/2			Perf. top
Address <u>Ripley, W. Va.</u>	3			Perf. bottom
Drilling commenced	2			Perf. top
Drilling completed <u>October 29, 1970</u>	Liners Used			Perf. bottom
Date Shot From To				
With				

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

WELL FRACTURED (DETAILS) 500 gals acid, 1500# sd., 470 bbls water

RESULT AFTER TREATMENT (Initial open Flow or bbls.) Sho of Gas - Sulphur present

ROCK PRESSURE AFTER TREATMENT None Taken HOURS

Surface hole drilled on fluid - No fluid tests

Fresh Water Feet Salt Water Feet

Producing Sand Newburg Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand			Surface	160			
Slate & Shell			160	1535			
Sand (Salt Sand?)			1535	1625			
✓ Lime - Biglime			1625	1810			
✓ Sand - Injun			1810	1900			
Slate & Shell			1900	4578			
✓ Lime - Huntersville - 463			4578	4666			
✓ Sand - ORISKANY			4666	4688			
Lime (HELDERSBERG & SALINA)			4688	5423			
✓ Sand Newburg			5423	5437			
Total Depth				5437			

535