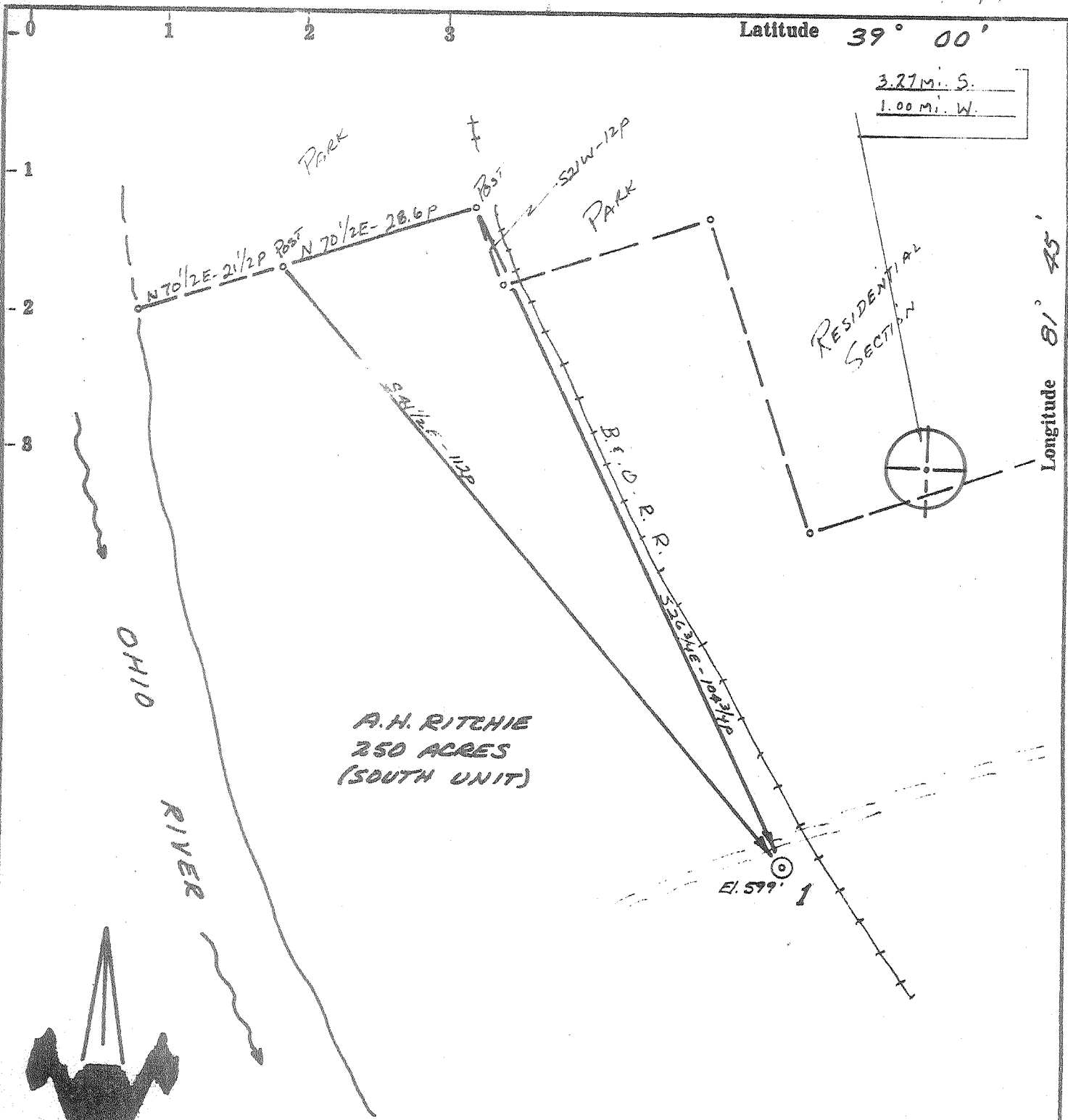


11/24/74



A.H. RITCHIE
250 ACRES
(SOUTH UNIT)

ACCURACY: 1p/200p

Source of Elevation USBM @ B.&O. RR (596')

- New Location
- Drill Deeper
- Abandonment
- Fracture
- Redrill

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.

issued 6/14/74

Chet Waterman

Company RANCO OIL & GAS CORP.
 Address BELPRE, OHIO
 Farm A.H. RITCHIE (SOUTH UNIT)
 Tract _____ Acres 250 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 599' NE
 Quadrangle RAVENSWOOD 3 34 28
 County JACKSON District RAVENSWOOD
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 69003-377 Drawing No. _____
 Date 10/17/69 Scale. 1" = 200'

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

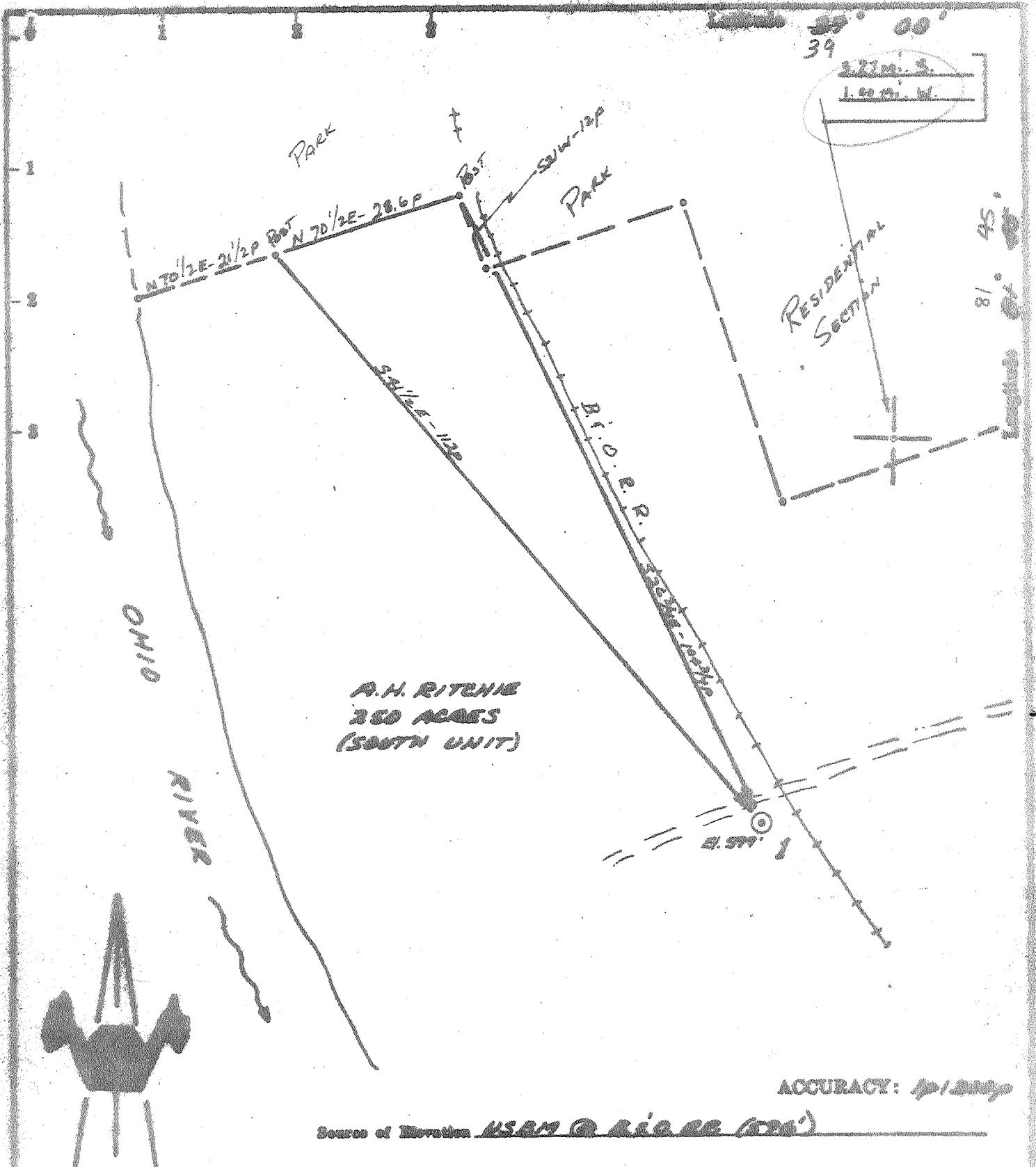
WELL LOCATION MAP
FILE NO. MC-1184-P

+ 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.

47-035

Deep Well



39
 39° 00'
 1.27 mi. S.
 1.00 mi. W.

A.H. RITCHIE
 280 ACRES
 (SOUTH UNIT)

ACCURACY: 1/1000

Source of Elevation USGS @ RIVER (DPA)

- New Location
- Drill Hoop
- Abandonment
- Fracture
- Refract

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	<u>BRANCO OIL & GAS CO.</u>	
Address	<u>WELLS, OHIO</u>	
Form	<u>A.H. RITCHIE (SOUTH UNIT)</u>	
Tract	<u>Acres 280</u>	Lease No. _____
Well (Form) No.	<u>2</u>	Serial No. _____
Elevation (Spirit Level)	<u>579'</u>	
Quadrangle	<u>RAVENSWOOD N.E.</u>	
County	<u>JEFFERSON</u>	District <u>RAVENSWOOD</u>
Engineer	<u>CHET WATERMAN</u>	
Engineer's Registration No.	<u>3788</u>	
File No.	<u>60887-377</u>	Drawing No. _____
Date	<u>10/24/69</u>	Scale <u>1" = 200'</u>

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

WELL LOCATION MAP
 FILE NO. MC-1184

+ 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.

6-6 Groundhog Creek 337 Deep well (Newburg) NOV 3 1969



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage c. NO. 1
Oil or Gas Well Gas
(KIND)

Quadrangle Ravenswood
Permit No. JAC 1184

WELL RECORD

Company RAMCO Oil & Gas
Address P. O. Box 505, Belpre, Ohio
Operator A. H. Ritchie et al Acres 250 unit
Location (waters) Ohio River
Well No. 1 Elev. 599 grn.
District Ravenswood County Jackson
The surface of tract is owned in fee by A. H. Ritchie et al
Address Ravenswood, WV
Mineral rights are owned by A. H. Ritchie et al
Address Ravenswood, WV
Drilling commenced 12/19/69
Drilling completed 1/5/70
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Est. 6 MMCF Cu. Ft.
Rock Pressure 1150 spring gauge lbs. 24 hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS)
WELL FRACTURED (DETAILS) 700 bbls. 30,000# Avg. Press. 3250#
RESULT AFTER TREATMENT (Initial open Flow or bbls.) 10 MMCF
ROCK PRESSURE AFTER TREATMENT 1100 HOURS 24
Fresh Water 40' Feet Salt Water Feet 1628
Producing Sand Newburg Depth 4935 - 4939

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
20"	65'	65'	150 sx. 12/19/69
13 3/8"	105'	105'	Size of
10			100 sx. 12/22/69
9 5/8"	1660'	1660'	Depth set
7"	4890'	4890'	
5 3/16			
4 1/2		4920'	Perf. top
3 3/8 reg			Perf. bottom
2			Perf. top
Liners Used			Perf. bottom

Attach copy of cementing record. 12/29/69
CASING CEMENTED 7" SIZE 75sx. No. Ft. 4890 Date
Amount of cement used (bags) 7", 75 sx. C., 50 gel, 2 flake
Name of Service Co. Lawson Cementing Co.
COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand and Gravel			0	60			
Red Rock			60				
Sand							
Slate							
Shale				1635			
Big Injun			1635	1660	Water		
Shale			1660	2720			
Slate & Shells & Shale			2720	4154			
lime - <u>Handwritten</u>			4154	4254			
Newburg			4935	4939 <u>TD</u>			
			<u>4935</u>	<u>4935</u>			
			<u>599</u>				
			<u>4336</u>				
					Date	<u>3/23/70</u>	
					Approved	<u>Ramco Oil & Gas</u>	
					By	<u>Harry McKim</u>	
						<u>Harry McKim, Partner</u>	

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APR 17 1970
OIL & GAS DIVISION
DEPT. OF MINES