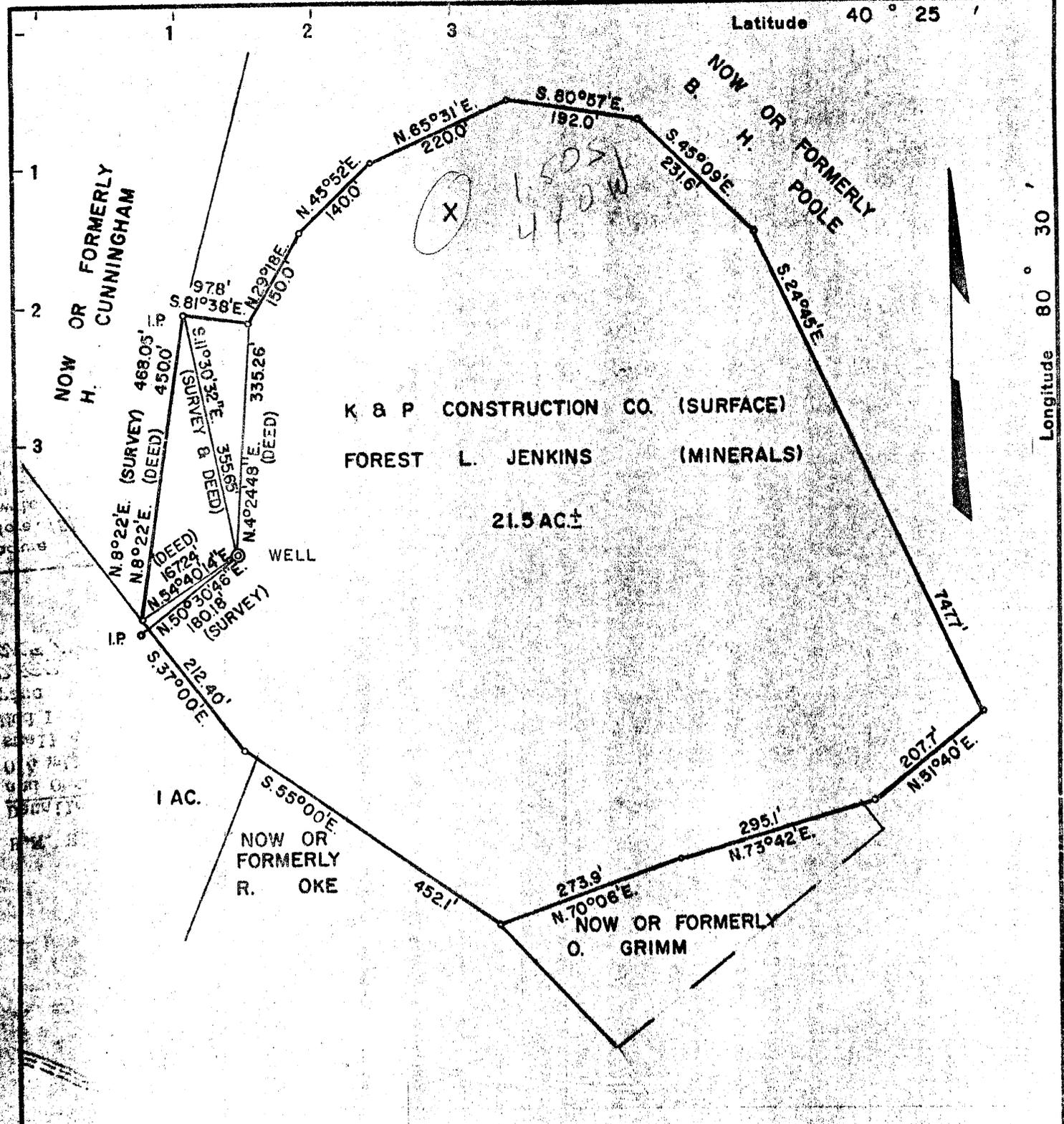




5/13/70 CEN



Minum Error of Closure 1: 2500 Elevation: Bubble - Under 1 Foot  
 Source of Elevation: U.S.G.S. B.M.-D-165, Disk in top n.w. end  
 of N.E. conc. Headwall of Stone arch overpass (Penn. R.R. No. 39-28)  
 5.75 mi. West of Colliers, W.Va. - Elev. 715.975'

Fracture Before   
 Redrill   
 New Location   
 Drill Deeper   
 Abandonment   
 10-13-70

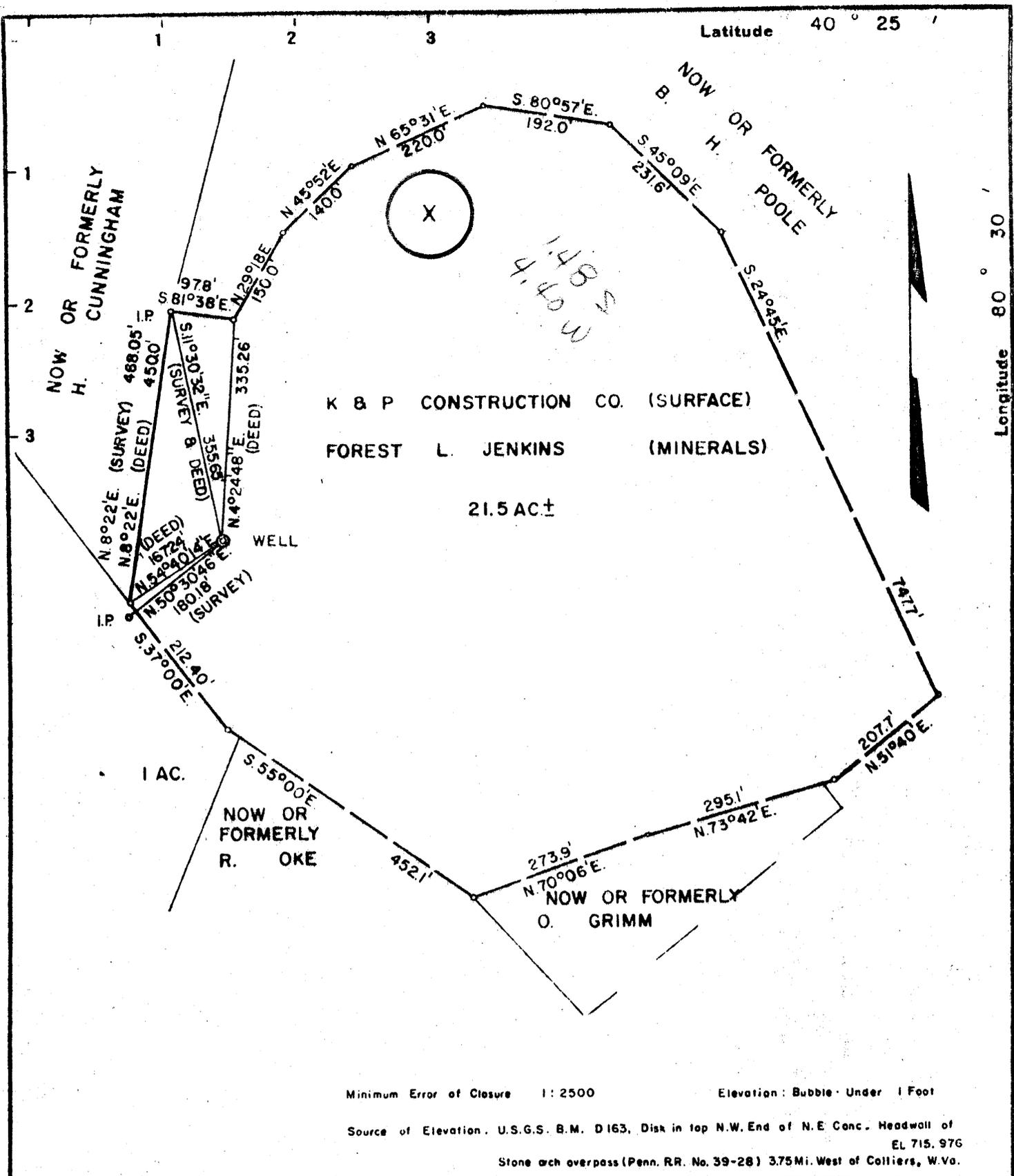
I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by Paragraph 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia.  
 The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.  
 PROVEN ELEVATION 1115.0

Company SANFORD E. McCORMICK  
 Address 530 COMMERCE SQ., CHARLESTON, W.VA.  
 Farm F.L. JENKINS (MIN.) - K & P CONST. CO. (SUR)  
 Tract \_\_\_\_\_ Acres 21.5 Lease No. \_\_\_\_\_  
 Well No. FL JENKINS # 1 Serial No. \_\_\_\_\_  
 Elevation (Split Level) 1115.0  
 Quadrangle STENBENVILLE EC  
 County BROOKE District CROSS CREEK  
 Engineer [Signature]  
 Engineer's Registration No. 1673  
 File No. \_\_\_\_\_ Drawing No. \_\_\_\_\_  
 Date MAY 1, 1970 Scale 1" = 200'

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

**WELL LOCATION MAP**  
 FILE NO. BROOKE-75-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.



Fracture Before Redrill

New Location

Drill Deeper

Abandonment

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 5 of the Rules and Regulations of the Oil and Gas Section of the Mining Laws of West Virginia

The accuracy of this survey is within the limits and as prescribed in paragraph 5 by the Oil and Gas Division of the Department of Mines Regulations.

PROVEN ELEVATION 1115.0

Company SANFORD E McCORMICK

Address 530 COMMERCE SQ., CHARLESTON, W.VA.

Farm F.L. JENKINS (MIN.) - K & P CONST. CO. (SUR)

Tract \_\_\_\_\_ Acres 21.5 Lease No. \_\_\_\_\_

Well No. FL JENKINS # 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 1115.0

Quadrangle STEBENVILLE EC

County BROOKE District CROSS CREEK

Engineer J. James Schellman

Engineer's Registration No. 1673

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

Date MAY 1, 1970 Scale 1" = 200'

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

**WELL LOCATION MAP**

FILE NO. Brooke 75

+ 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.



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JUL 20 1970

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

OIL & GAS DIVISION  
DEPT. OF MINES

- Spudder
- Cable Tools
- Storage

Quadrangle Steubenville  
Permit No. BROOKE-75

WELL RECORD

Oil or Gas Well Dry  
(KIND)

Company	<u>SANFORD E. McCORMICK</u>		Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	<u>530 Commerce Square, Charleston, W. Va.</u>		Size			
Farm	<u>F. L. Jenkins</u>	Acres <u>21.5</u>				
Location (waters)	<u>Harmos Creek</u>		16			Kind of Packer
Well No.	<u>One (1)</u>	Elev. <u>1124' KB</u>	13			
District	<u>Cross Creek</u>	County <u>Brooke</u>	10	<u>60</u>	<u>60</u>	Size of
The surface of tract is owned in fee by	<u>K &amp; P Construction Co.</u>		8 1/4			
	Address <u>Weirton, W. Va.</u>		6 3/4	<u>1,220</u>	<u>1,220</u>	Depth set
Mineral rights are owned by	<u>Forest L. Jenkins</u>		5 3/16			
	Address <u>Rtoute #1, Weirton, W. Va.</u>		4 1/2			
Drilling commenced	<u>6/26/70</u>		3			Perf. top
Drilling completed	<u>7/2/70</u>		2			Perf. bottom
Date Shot	<u>Not</u>	From <u>--</u> To <u>--</u>	Liners Used			Perf. top
With						Perf. bottom

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) No  
 WELL FRACTURED (DETAILS) No

Attach copy of cementing record.  
 CASING CEMENTED 7" SIZE 1220 No. Ft. 6/29/70 Date  
 Amount of cement used (bags) 200 sks. 1t. poz  
 Name of Service Co. Halliburton Cementing Co.  
 COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
 \_\_\_\_\_ FEET \_\_\_\_\_ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil & Shale			0	100			
Sand			100	203			
Shale			203	472			
Sand			472	493			
Shale			493	512			
Sand			512	516			
Shale			516	528			
Sand			528	550			
Shale			550	580			
Sand			580	640			
Shale			640	743			
Sand			743	758			
Shale			758	815			
Salt Sand			815	933	Gas, 100 MCFD and small amount water 868-91		
Shale			933	995			
Salt Sand			995	1045			
Shale			1045	1095			
Big Injun Sand			1095	1195			
Shale			1195	1500			
Coffee Shale			1500	1542			
Berea Sand			1542	1570			
Shale			1570	1712			
Sand			1712	1715			
Shale			1715	1872			
Gordon Sand			1872	1885			
Shale			1885	2097			
Sand <u>Fifth?</u>			2097	2107			
Shale <u>"Devonian sh"</u>			2107	2505	Gas would not test in 1" at T.D.		
TOTAL DEPTH				2505			

(over)