

- Fracture Before 6/5/27
- New Location
- Drill Deeper
- Redrill
- 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 ROAD INTERSECTION ELEV 671 COOPER'S CREEK

10-5-83

Company BIG "B" DRILLING COMPANY - BOX 20
~~SANDERS & COMPANY~~

Address 212 S. MAIN ST. CHARLESTON, W.V.

Farm MARY E. CALDWELL HEIRS

Tract _____ Acres 70 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level) 818.0

Quadrangle CHARLESTON N9

County KANAWHA District ELK

Engineer A. J. Sefton

Engineer's Registration No. 1832

File No. _____ Drawing No. _____

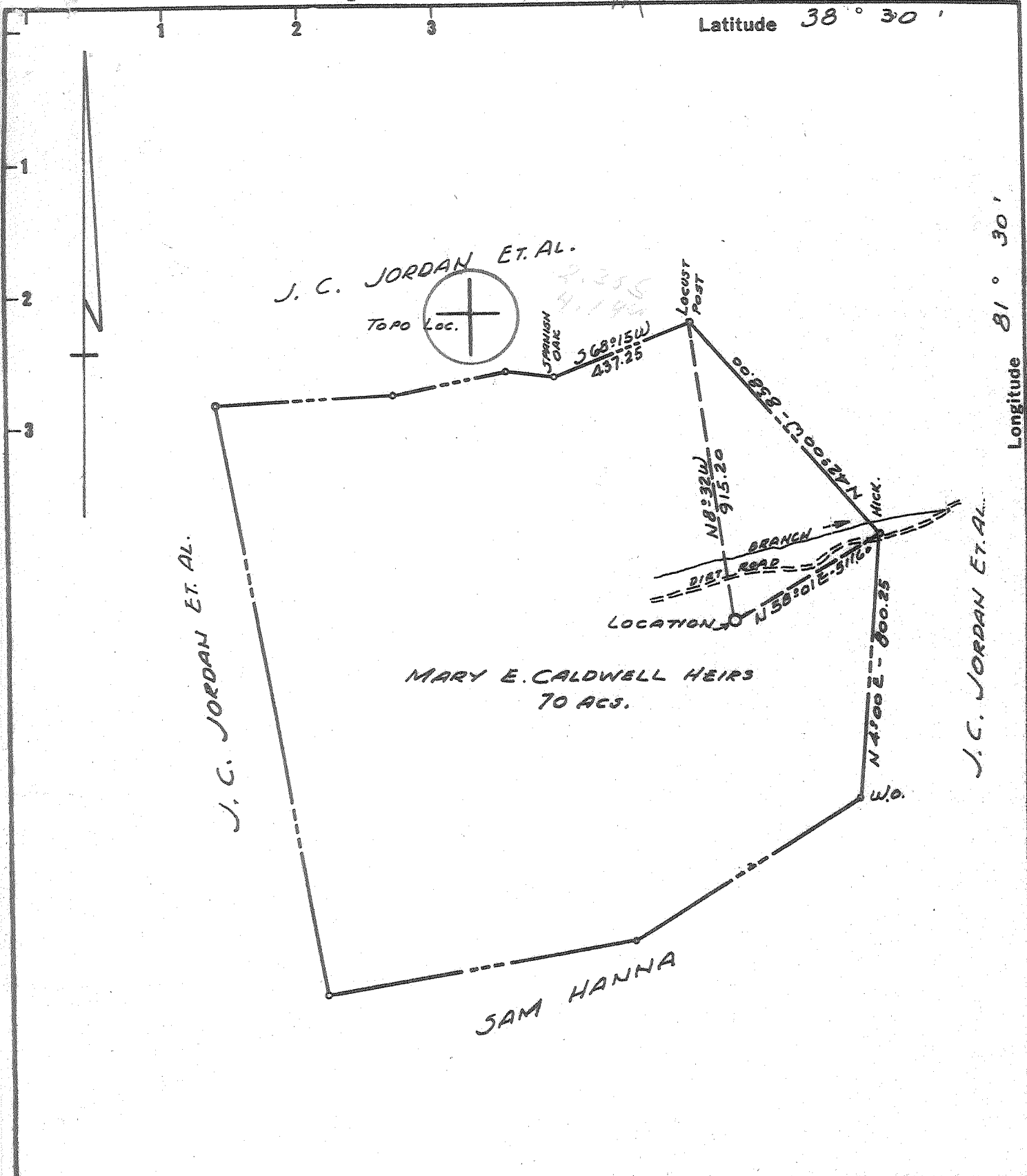
Date SEPT 21st '68 Scale 1" = 400'

Sissonville, W.Va. 25820

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

WELL LOCATION MAP
 FILE NO. KAN-2311-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.



Longitude 81° 30'

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PROVEN ELEVATION Road Intersection Elev 671 COOPERS CREEK

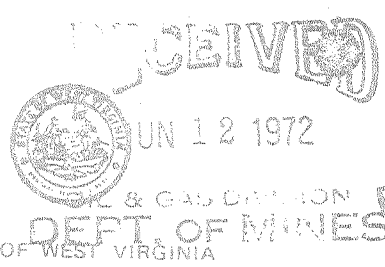
Company JANFORD E. MCCORMICK
 Address 212 EMBLETON BLDG. CHARLESTON, W.VA.
 Farm MARY E. CALDWELL HEIRS
 Tract _____ Acres 70 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 818.0
 Quadrangle CHARLESTON NE
 County KANAWHA District ELK
 Engineer A. L. Sefton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date SEPT 21st '68 Scale 1" = 400'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. KAN-2311

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Deep Well (Newburg)

OCT 7 1968 Rocky Fork (312)
 6-6 Cooper Creek (531)



REC'D MAY 26 1972

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Charleston
Permit No. KAN-2311

Rotary Oil
Cable Gas e. MOLT
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Company <u>Sanford E. McCormick</u>	Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Address <u>1204 Tenneco Building, Houston, Texas</u>				
Farm <u>Mary E. Caldwell Hrs. Acres 70</u>	77002			
Location (waters) <u>6 mile Fork of Coopers Creek</u>				
Well No. <u>1</u>	Size <u>20-16 20"</u>	<u>12</u>	<u>12</u>	
District <u>Elk</u> County <u>Kanawha</u>	Cond. <u>13-10' 13 3/8</u>	<u>308</u>	<u>308</u>	<u>225 sacks circ</u>
The surface of tract is owned in fee by <u>Delbert Starcher</u>	<u>9 5/8 9 5/8</u>	<u>1807</u>	<u>1807</u>	<u>300 sacks circ</u>
Address <u>Coopers Creek Rural Delivery</u>	<u>8 5/8</u>			
Mineral rights are owned by <u>Mary E. Caldwell Heirs</u>	<u>7</u>	<u>5689</u>	<u>5689</u>	<u>150 sacks</u>
Address <u>111 Cora St. Charleston, West Virginia</u>	<u>5 1/2</u>			
Drilling Commenced <u>10-4-68</u>	<u>4 1/2</u>			
Drilling Completed <u>2-12-69</u>	<u>3</u>			
Initial open flow <u>7 MMCF</u> cu. ft. <u>0</u> bbls.	<u>2</u>			
Final production <u>7.7 MMCF</u> cu. ft. per day <u>0</u> bbls.	Liners Used			
Well open <u>0</u> hrs. before test <u>2,243</u> RP.				

Attach copy of cementing record.

7,700 McF

Well treatment details:
Fracture with 30,000# sand, 30,000 gals water, 1,000 gal acid, 2,400 HP

Coal was encountered at no coal reported Feet _____ Inches _____
Fresh water at surface _____ Feet _____ Salt Water 1,032' Feet _____
Producing Sand 5,723' Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Salt, sand			880	-		
Maxon			1,445	-		Water @ 1,030'
Little Lime			1,485	-		
Big Lime			1,646	-		
Injun			1,698	-		
<u>Newburg</u>			5,689	-		<u>Gas @ 5,723'</u>

(over)

* Indicates Electric Log tops in the remarks section.

JUN 16 1972