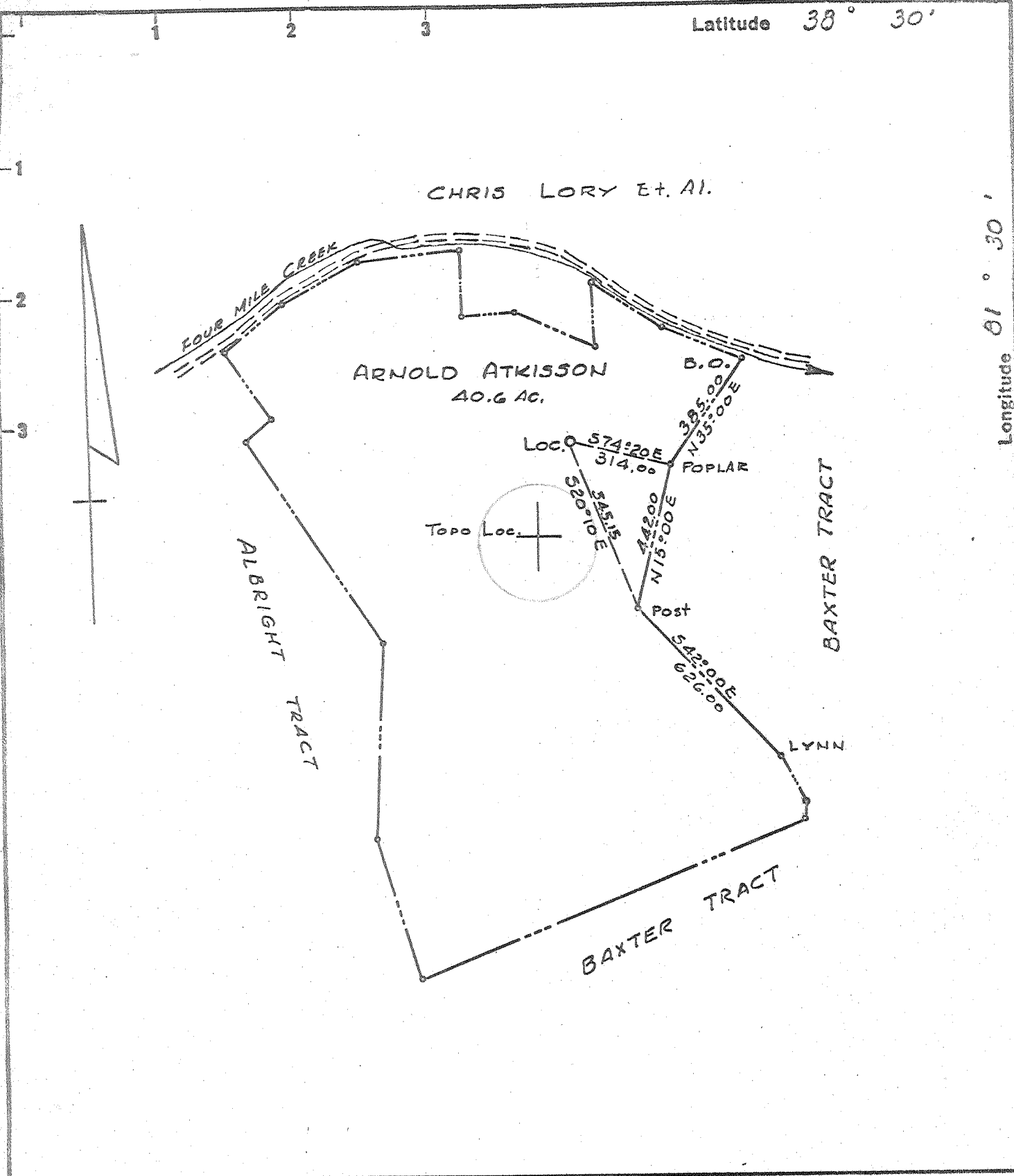


Latitude 38° 30'

Longitude 81° 30'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 1000'
 Source of Elevation U.S.G.S. BM Elev 654' Road Intersection
COOPERS CREEK
 "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 JANFORD E. MCCORMICK
 Address COMMERCE SQUARE, CHARLESTON, W.VA.
 Farm ARNOLD ATKISSON
 Tract _____ Acres 40.6 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 804.15
 Quadrangle CHARLESTON NE
 County KANAWHA District ELK
 Engineer N. L. Sexton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 5-3-69 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. K30-2401

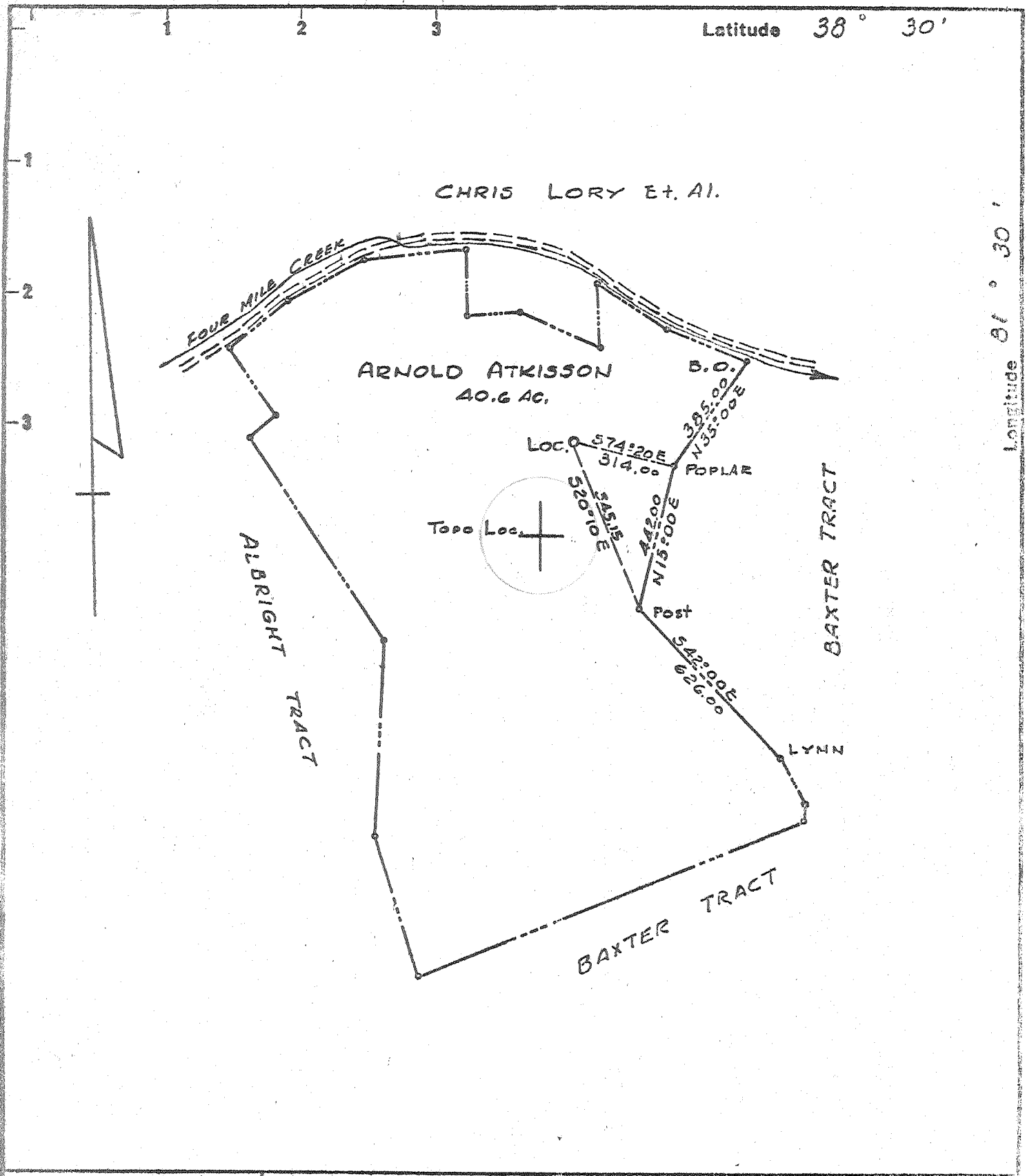
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

5-0 Cooper Creek 331

Deep Well (Newburg)
 MAY 11 1969

5/15/1969



New Location
 Drill Deeper
 Abandonment
 Revised 6-18-69

Minimum Error of Closure 1 IN. 1000'
 Source of Elevation U.S.G.S. BM ELEV 654' Road Intersection
COOPERS CREEK
 "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 JANFORD E. McCORMICK
 Address COMMERCE SQUARE, CHARLESTON, W.VA.
 Farm ARNOLD ATKISSON
 Tract _____ Acres 40.6 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 804.15
 Quadrangle CHARLESTON NE
 County KANAWHA District ELK
 Engineer N. S. Peyton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 5-3-69 Scale 1" = 400'

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

WELL LOCATION MAP
 FILE NO. K30-2401-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 (Newburg)
 JUN 28 1969

5-0 Cooper Creek 331



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

Rotary
Spudder
Cable Tools
Storage

Quadrangle Charleston

Permit No. KAN-2401

WELL RECORD

Oil or Gas Well Dry Hole
(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>Arnold E. Atkisson</u> Acres <u>40.6</u>				
Location (waters) <u>Four Mile Fork of Coopers Crk.</u>				Kind of Packer
Well No. <u>One</u> Elev. <u>804</u> <u>812 KB</u>		<u>248</u>	<u>248</u>	Size of
District <u>Elk</u> County <u>Kanawha</u>	<u>9 5/8"</u>	<u>1740</u>	<u>940</u>	Depth set
The surface of tract is owned in fee by <u>A. E. Atkisson</u>	<u>7"</u>	<u>5640</u>	<u>1140</u>	Perf. top
Address <u>Rt. 5, Charleston</u>	<u>5 3/16</u>			Perf. bottom
Mineral rights are owned by <u>A. E. Atkisson</u>	<u>4 1/2</u>			Perf. top
Address <u>Rt. 5, Charleston</u>	<u>3</u>			Perf. bottom
Drilling commenced <u>May 7, 1969</u>	<u>2</u>			Liners Used
Drilling completed <u>June 2, 1969</u>				
Date Shot <u>Not</u> From To				
With				
Open Flow /10ths Water in Inch	Attach copy of cementing record. See reverse side			
/10ths Merc. in Inch	CASING CEMENTED	SIZE	No. Ft.	Date
Volume Cu. Ft.	Amount of cement used (bags)			
Rock Pressure lbs. hrs.	Name of Service Co. <u>Halliburton</u>			
Oil bbls., 1st 24 hrs.	COAL WAS ENCOUNTERED AT FEET INCHES			
WELL ACIDIZED (DETAILS) <u>Not Acidized</u>	FEET	INCHES	FEET	INCHES
WELL FRACTURED (DETAILS) <u>Not Fractured</u>	FEET	INCHES	FEET	INCHES
RESULT AFTER TREATMENT (Initial open Flow or bbls.)	<u>Not treated</u>			
ROCK PRESSURE AFTER TREATMENT	HOURS			
Fresh Water Feet	Salt Water	<u>960</u>	Feet	
Producing Sand	Depth			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
oil & Boulders			Surface	85			
andstone			85	247			
hale & Sands			247	850			
andstone			850	894			
hale			894	932			
andstone			932	1022			
hale			1022	1040			
andstone			1040	1196			
hale			1196	1244			
haly Sand			1244	1292			
andstone			1292	1370			
hale			1370	1401			
axon Sand			1401	1427			
ig Lime			1427	1617			
hale			1617	1622			
ig Injun			1622	1670			
hale			1670	1689			
eir Sand			1689	1712			
hale			1712	2066			
offee Shale			2066	2084			
erea Horizon			2084	-----			
hale			2084	4648			
ime, Sand & Shale			4648	5115	Gas	4850'-	
olomite, Anhydrite & Sand			5115	5718	95/10 W2"	5000'	
					Shows of	5140'-5550'	
					H ₂ S Gas		
TOTAL DEPTH				5718			

5718
812
4906 TD



Formation	Color	Hard or Soft	Top S	Bottom	Oil, Gas or Water	Depth Found	Remarks
<u>CEMENTING RECORD</u>							
		<u>Size</u>	<u>Depth</u>	<u>Amount</u>	<u>Company</u>		
		13 3/8"	248	200 cu.ft.	Halliburton		
		9 5/8"	1740	225 sx.	Halliburton		
		7"	5640	250 sx.	Halliburton		

Date June 18, 1969

APPROVED Sanford E. McCormick, Owner

By Ralph G. Dodds
(Title)

Ralph G. Dodds
District Manager