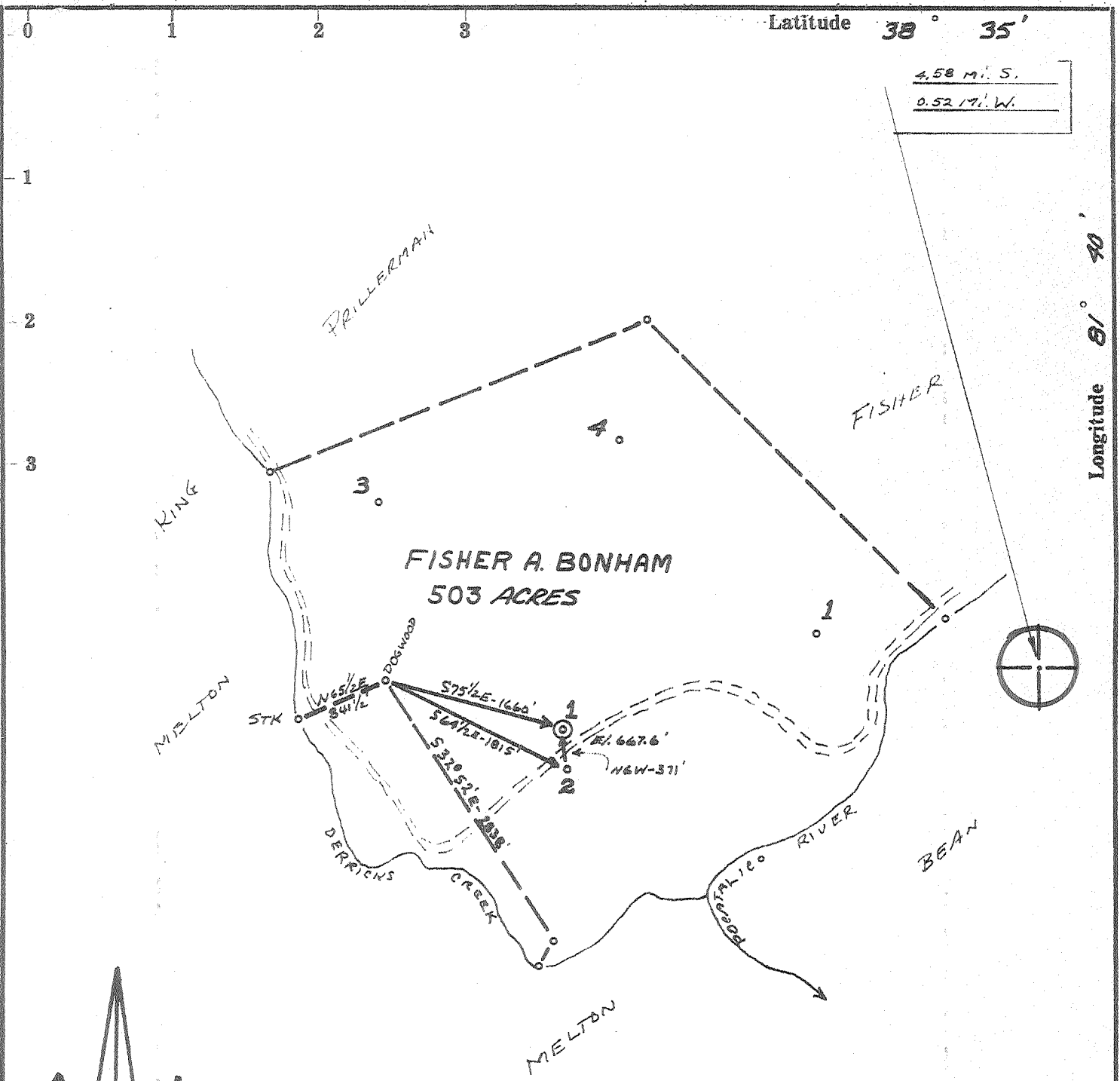


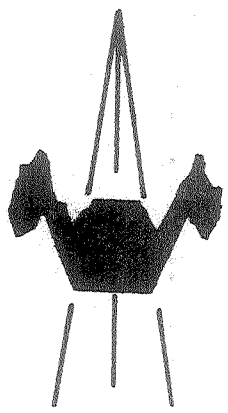
1974



Latitude  $38^{\circ} 35'$

4.58 M. S.  
0.52 M. W.

Longitude  $81^{\circ} 40'$



ACCURACY: 1" = 1200'

Source of Elevation WELL #2 (623.67')

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.

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

found 7/25/74

Chet Waterman

Company APPALACHIAN EXPLORATION & DEVELOPMENT, INC.

Address CHARLESTON, W. VA.

Farm FISHER A. BONHAM

Tract \_\_\_\_\_ Acres 503 Lease No. \_\_\_\_\_

Well (Farm) No. 1 Serial No. \_\_\_\_\_

Elevation (Spirit Level) 667.6'

Quadrangle KENNA SW

County KANAWHA District POCA

Engineer CHET WATERMAN

Engineer's Registration No. 3788

File No. 68008-160 Drawing No. \_\_\_\_\_

Date 9/16/68 Scale 1" = 1320'

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

**WELL LOCATION MAP**

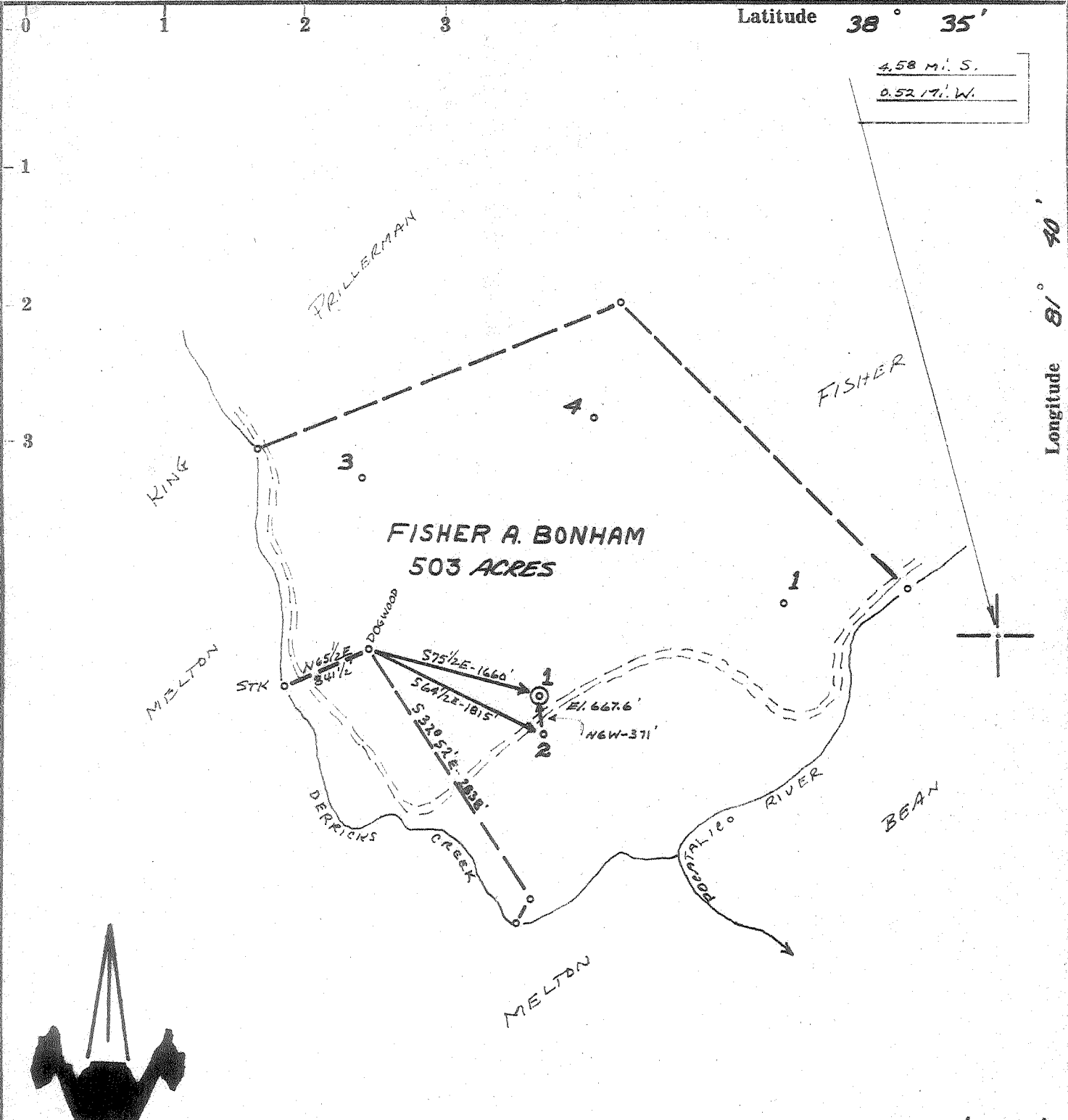
FILE NO. KAN-2318-P

+ 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 47-039 AUG 26 1974

14/1/68



ACCURACY: 1' / 200'

Source of Elevation WELL #2 (623.67')

- 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.

*Chet Waterman*

Company	<u>APPALACHIAN EXPLORATION &amp; DEVELOPMENT, INC.</u>	
Address	<u>CHARLESTON, W. VA.</u>	
Farm	<u>FISHER A. BONHAM</u>	
Tract	Acres <u>503</u>	Lease No. _____
Well (Farm) No.	<u>1</u>	Serial No. _____
Elevation (Spirit Level)	<u>667.6'</u>	
Quadrangle	<u>KENNA</u>	<u>SW</u>
County	<u>KANAWHA</u>	District <u>POCA</u>
Engineer	<u>CHET WATERMAN</u>	
Engineer's Registration No.	<u>3788</u>	
File No.	<u>60008-160</u>	Drawing No. _____
Date	<u>9/16/68</u>	Scale <u>1" = 1320'</u>

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

**WELL LOCATION MAP**

FILE NO. KAN-2318

+ 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) 6-6 Rocky Fork 312 OCT 14 1968



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Kenna S.W.  
Permit No. Kanawha-2318

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company <u>Appalachian Exploration &amp; Development, Inc.</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>P.O. Box 628, Charleston, W.Va. 25322</u>				
Farm <u>Fisher A. Bonham</u> Acres <u>503</u>	Size			
Location (waters) <u>Pocatalico</u>	16			Kind of Packer <u>None</u>
Well No. <u>1</u> Elev. <u>667.4</u>	13 <u>3/8</u>	163	163	
District <u>Poca</u> County <u>Kanawha</u>	10			Size of
The surface of tract is owned in fee by <u>Fisher A. Bonham</u>	<del>9</del> <u>5/8</u>	1832	1832	
<u>Box 512, Legg Rt.</u> Address <u>Sissonville, W.Va.</u>	<del>6 1/2</del> <u>7</u>	5535	5535	Depth set
Mineral rights are owned by <u>Fisher A. Bonham</u>	5 <u>3/16</u>			
<u>Box 512, Legg Rt.</u> Address <u>Sissonville, W.Va.</u>	4 1/2			
Drilling commenced <u>November 2, 1968</u>	3			Perf. top <u>None</u>
Drilling completed <u>November 16, 1968</u>	2 <u>3/8</u>	5561	5561	Perf. bottom
Date Shot <u>None</u> From To	tubing			Perf. top
With	Liners Used			Perf. bottom

Open Flow /10ths Water in \_\_\_\_\_ Inch  
 /10ths Merc. in \_\_\_\_\_ Inch  
 Volume 1 Mmcf Cu. Ft.  
 Rock Pressure 1725 lbs. hrs.  
 Oil None bbls., 1st 24 hrs.  
 WELL ACIDIZED (DETAILS) \_\_\_\_\_ FEET INCHES FEET INCHES  
 WELL FRACTURED (DETAILS) 588 barrels water, 15,000# sand, 1000 gallons acid.

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 3.1 Mmcf 3,100 McF 3,100,000  
 ROCK PRESSURE AFTER TREATMENT \_\_\_\_\_ HOURS  
 Fresh Water \_\_\_\_\_ Feet Salt Water \_\_\_\_\_ Feet  
 Producing Sand Newburg Depth 5600

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand-shale		Soft	0	130			
Sand		Soft	130	163			
Sand & shale		Soft	163	210			
Sand		Soft	210	310			
Sand & shale		Soft	310	540			
Sand		Soft	540	800			
Sand & shale		Soft	800	945			
Sand		Soft	945	1110			
Sand & shale		Soft	1110	1415			
Sand		Soft	1415	1541			
Big Lime		Hard	1541	1705			
Sand		Soft	1705	1805			
Lime		Hard	1805	2180			
Shale		Soft	2180	4709			
Onondago		Hard	4709	4790			
Sand		Hard	4790	4880			
Limestone		Hard	4880	5572			
Newburg		Hard	5572	5584			
Limestone	<u>McKenzie</u>	Hard	5584	5600			

5572  
4790  
782  
5572  
667  
4905

