

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

Source of Elevation _____
OLD PLUGGED WELL (827)

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 A. E. D., INC.
 Address P.O. BOX 62B, CHARLESTON, W. VA.
 Farm J. V. BURFORD
 Tract _____ Acres 90 1/2 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) ~~842.7~~ 876'
 Quadrangle CHARLESTON NW
 County KANAWHA District UNION
 Engineer CHET WATERMAN
 Engineer's Registration No. 3788
 File No. 68003-56 Drawing No. _____
 Date 4/18/68 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. KAN-2265
Corrected Elevation

+ 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.

68003-56 *Best Hill (nearby)*



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 4

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well Gas
(KIND)

WELL RECORD

Quadrangle Charleston N. W.

Permit No. Kanawha - 2265

Company Appalachian Exploration & Development, Inc.
Address P.O. Box 628
Farm James V. Burford Acres 90.5
Location (waters) Pocatalico
Well No. 1 Elev. 876
District Union County Kanawha
The surface of tract is owned in fee by James V. Burford
Rt. 4, Box 136-A Address Charleston, W.Va.
Mineral rights are owned by James V. Burford
Rt. 4, Box 136-A Address Charleston, W.Va.
Drilling commenced June 7, 1968
Drilling completed June 20, 1968
Date Shot None From To
With

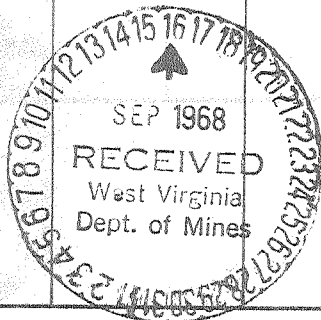
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>None</u>
13 - 3/8	66'	66'	
10			Size of
8 - 5/8	1945'	1945'	
6 3/8			Depth set
5 - 1/2	5631'	5631'	
4 1/2			Perf. top <u>None</u>
3			Perf. bottom
2 - 3/8	5653'	5653'	
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 33 Million Cu. Ft.
Rock Pressure 1320 lbs. hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) None
WELL FRACTURED (DETAILS) 1000 gallons acid, 25,000# sand, 661 barrels water.

Attach copy of cementing record. (See Back of Sheet.)
CASING CEMENTED SIZE No. Ft. Date
Amount of cement used (bags)
Name of Service Co.
COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) 16.6 - 4 point 16,600,000 16,600 McF
ROCK PRESSURE AFTER TREATMENT 1100 HOURS
Fresh Water Feet Salt Water Feet
Producing Sand Newburg Depth 5694'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & shale		Soft	0	1065			
Sand		Soft	1065	1660			
Lime - <u>Big</u>		Hard	1660	1870	5671 4920	5671 876	
Sand - <u>Small</u>		Soft	1870	2302	751	4795	
Shale		Soft	2302	4828			
Lime - <u>Onondaga</u>		Hard	4828	4920			
Sand - <u>Oriskany</u>		Soft	4920	4975			
Lime		Hard	4975	5671			
Sand	<u>Newburg</u>	Soft	5671	5692			Newburg



Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
Cement	Casing Size		No. of Sacks		Company		
	13-3/8		60		Halliburton		
	8-5/8		550		"		
	5-1/2		200		"		

Date September 13, _____, 19 68
 Appalachian Exploration & Development, Inc.
 _____, Owner
 APPROVED: *[Signature]*

 District Production Superintendent
 (Title)