

Company CUMBERLAND GAS CO. & APPALACHIAN EXP. & DEV. INC.
 Address BOX 2386 CHARLESTON, W. VA.
 Farm DAVISON FUEL & DOCK CO.
 Tract Acres 89 Lease No. CKP-1
 Well (Farm) No. 16 Serial No. CKP-17
 Elevation (Spirit Level) 773
 Quadrangle CHARLESTON NW
 County KANAWHA District UNION
 Engineer G. H. Hall
 Engineer's Registration No. 2602
 File No. Drawing No.
 Date 10-9-68 Scale: 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. KAN-2319

+ 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.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 14

Rotary
Spudder
Cable Tools
Storage

Quadrangle Charleston, N. W.

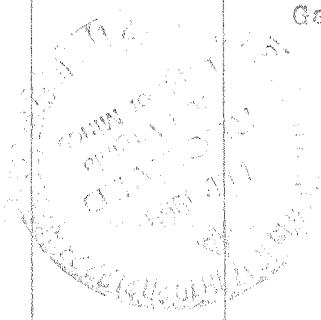
Permit No. Kanawha-2319

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Cumberland Gas Co. & Appalachian Explor. & Devel., Inc.
 Address P.O. Box 2386 & P.O. Box 628, Chas., W. Va.
 Farm Davison Fuel & Dock Company Acres 89
 Location (waters) Pocatalico
 Well No. Farm No. 16 (Serial No. CKP-17) 773
 District Union County Kanawha
 The surface of tract is owned in fee by Davison Fuel & Dock Co. Address Lower River Road, North Bend, Ohio
 Mineral rights are owned by Davison Fuel & Dock Co. Address Lower River Road, North Bend, Ohio
 Drilling commenced October 16, 1968
 Drilling completed October 29, 1968
 Date Shot None From _____ To _____
 With _____
 Open Flow 10ths Water in _____ Inch
10ths Merc. in _____ Inch
 Volume 3,300 Mcf. Cu. Ft.
 Rock Pressure 1803 lbs. 72 hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) _____
 WELL FRACTURED (DETAILS) 700 barrels water, 20,000# sand, 1,000 gallons mud acid.
 RESULT AFTER TREATMENT (Initial open flow or bbls.) 1/2 point - 5,600 Mcf. 5,600,000
 ROCK PRESSURE AFTER TREATMENT 1810 HOURS 72
 Fresh Water _____ Feet _____ Salt Water _____ Feet _____
 Producing Sand Newburg Depth 5585

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil		Soft	0	40			
Shale		"	40	70			
Sand & shale		"	70	105			
Shale		"	105	290			
Sand		"	290	325			
Sand & shale		"	325	720			
Sand		"	720	870			
Sand & shale		"	870	1350			
Sand		"	1350	1640			
Big Lime		Hard	1640	1820			
Sand		Soft	1820	1860			
Shale		"	1860	2287			
Sand		"	2287	2302			
Shale		"	2302	4728			
Lime corn		Hard	4728	4819			Onondaga
Sand Orisk		Soft	4819	4860			
Lime		Hard	4860	5559			
Newburg sandstone		Soft	5559	5575			Gas
Lime	McKenzie	Hard	5575	5585			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Casing	Cement	Cement Co.	Date				
13-3/8	70 sacks	Allen	10-16-68				
9-5/8	650 "	Halliburton	10-23-68				
7	200 "	"	10-27-68				

Date February 13, 1968

CUMBERLAND GAS COMPANY

APPROVED

By J. C. Limb Gen. Supt.
(Title)