



Minimum Error of Closure 1' in 200'
 Source of Elevation U.E. 836.60 on Sand Fork.

"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

Map Sheet 69 S-24 W-5 F.B 1323 P. 2-3

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W. VA.
 Farm LEOPOLD KRENN
 Tract Acres 445 Lease No. 54802
 Well (Farm) No. 10670 Serial No. 1034'
 Elevation (Spirit Level) 1034'
 Quadrangle VADIS - W.C.
 County DODDRIDGE District COVE
 Engineer Jackson M. Jarvis.
 Engineer's Registration No. 2397
 File No. 9-9-64 Drawing No. 143
 Date 9-9-64 Scale 1" = 80'

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

WELL LOCATION MAP
 FILE NO. DOD-1179

+ 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

Rotary
Spudder
Cable Tools
Storage

Quadrangle VADIS

Permit No. DODD-1179

WELL RECORD

Oil or Gas Well Storage
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm Leopold Krenn Acres XIX 445
Location (waters) _____
Well No. 10670 Elev. 1034
District Cove County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 10-1-64
Drilling completed 10-28-64
Date Shot Not shot From _____ To _____
With _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	33	33	
12 9 5/8"	629	629	Size of
8 1/4			
6 5/8	2372	2372	Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume No Gas Cu. Ft.
Rock Pressure 14# lbs. 8 days hrs.
Oil None bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED No

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date
7" casing cemented to surface
COAL WAS ENCOUNTERED AT None FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT No gas
ROCK PRESSURE AFTER TREATMENT Same
Fresh Water Not recorded Feet _____ Salt Water Not recorded Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
THIS RECORD TAKEN FROM GAMMA RAY LOG							
st salt sand			1410	1512			
nd salt sand			1579	1601			
rd Salt sand			1763	1859			
AXTON			1910	1925			
ittle Lime			1947	1968			
IG LIME			1985	2058			
IG INJUN SAND			2058	2162	Gas	2150	
ANTZ SAND			2408	2432	Gas	2415-24	
TOTAL DEPTH				2446'			

