



Company HOPE NATURAL GAS CO.

Address CLARKSBURG, W. VA.

Farm ALBERT H. COLE ET AL

Tract _____ Acres 3419 Lease No. 68059

Well (Farm) No. _____ Serial No. 10314

Elevation (Spirit Level) _____ 1591

Quadrangle BALD KNOB - NC

County BOONE District SHERMAN

Engineer Guy H. Bradley

Engineer's Registration No. 2425

File No. _____ Drawing No. _____

Date DEC. 22, 1960 Scale 1" = 2000'

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

WELL LOCATION MAP
FILE NO. Boo-918

+ 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

Quadrangle BALD KNOB

Permit No. B00-918

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address 445 West Main St., Clarksburg
Farm Albert H. Cole Acres 3419
Location (waters) _____
Well No. 10314 Elev. 1591'
District Sherman County Boone
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

Drilling commenced 3-2-61
Drilling completed 6-2-61
Date Shot Not shot From _____ To _____
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 68 M Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED 6-8-61

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13	22	Pulled	
10	756	756	Size of
8 1/2	1932	1932	
6 3/4	2380	2380	Depth set
5 3/16			
4 1/2"	3299	3299	Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
4 1/2" casing cemented & gelled to surface
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET See below INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 881 M
ROCK PRESSURE AFTER TREATMENT 555# - 24 hours
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Sand & Gravel			0	20			
Sand			20	112	Water	40'	Fresh
Coal			112	114			
Slate			114	130			
Sand			130	140			
Slate			140	167			
Sand			167	235			
Slate			235	262			
Sand			262	282			
Coal			282	284			
Sand			284	301			
Coal			301	303			
Slate			303	343			
Coal			343	346			
Sand			346	385			
Slate & Shell			385	446			
Coal			446	448			
Slate			448	462			
Sand			462	530			
Slate			530	540			
Sand			540	569			
Slate			569	593			
Sand			593	721			
Coal			721	723			
Slate & Shells			723	741			
Sand			741	779			
Slate			779	828			
Sand			828	888			
Slate & Shells			888	1092			
Lime			1092	1106			

(over)

Formation	Color	Hard or Soft	Top /	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			1106	1168			
Slate			1168	1188			
Sand			1188	1220			
Slate			1220	1238			
Sand			1238	1354			
Slate			1354	1386			
Sand			1386	1440			
Slate & Shells			1440	1468			
Sand			1468	1783	Gas	1625'	
Slate			1783	1790			
Lime			1790	1815			
RAVENCLIFF			1815	1915	Gas	1901	
Slate			1915	1918			
Avis Lime			1918	1980			
Slate			1980	1992			
Lime			1992	2064			
Red Rock			2064	2095			
Slate & Shells			2095	2105			
Lime			2105	2139			
Slate			2139	2146			
Red Rock			2146	2151			
Lime			2151	2200			
Upper Maxton			2200	2307			
MAXTON			2307	2340			
Slate			2340	2431			
Red Rock			2431	2464			
Slate & Shells			2464	2490			
do			2490	2577			
Pencil cave			2577	2585			
Little Lime			2585	2701			
Big Lime			2701	2975			
INJUN SAND			2975	3000			
WEIR			3000	3245	Gas	Weir sand	
Shells(Weir)			3245	3272			
Total Depth				3300'			

Date August 31, 1961

APPROVED Hope Natural Gas Company

By Jack H. [Signature]
(Title)

