

Minimum Error of Closure 1' in 200'
 Source of Elevation Well No 1106

- Fracture.....
- New Location.....
- Drill Deeper.....
- Abandonment.....

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.

Signed: B. B. Sawyer R.R.E. 233
 Squares: N 5 12 E W 7

F.B. 1308 Fgs 10-14 Map No. 59
 1314 3 II

Company Hope Natural Gas Co
 Address Clarksburg West Va.
 Farm W.L. Davis
 Tract Acres 265 Lease No. 13253
 Well (Farm) No. Serial No. 10541
 Elevation (Spirit Level) 935'
 Quadrangle Centerpoint "S.W"
 County Doddridge District West Union
 Engineer B. B. Sawyer
 Engineer's Registration No. 233
 File No. Drawing No.
 Date Feb-11-1964 Scale 1" = 80 Poles

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

WELL LOCATION MAP

FILE NO. Doc-1099-REVISED

+ 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 3

Rotary
Spudder
Cable Tools
Storage

Quadrangle CENTERPOINT
Permit No. DOD-1099-Rev.

WELL RECORD

Oil or Gas Well Gas
(KING)

Company Hope Natural Gas Company
Address Clarksburg, W. Va.
Farm W. L. Davis Acres 265
Location (waters) _____
Well No. 10541 Elev. 933'
District West Union County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced 5-10-64
Drilling completed 5-16-64
Date Shot Not shot From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume 2 M _____ Cu. Ft.
Rock Pressure 520 lbs. 16 hrs.
Oil None 1580 Show _____ bbls., 1st 24 hrs.
WELL ACIDIZED No
WELL FRACTURED 5-21-64

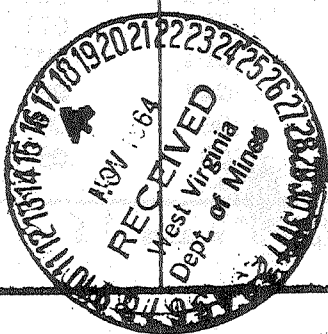
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer _____
10. _____			Size of _____
11. _____	35	35	Depth set _____
xxx 9-5/8"	219	219	Perf. top _____
8 1/2"			Perf. bottom _____
8 1/4"			Perf. top _____
8 3/16"			Perf. bottom _____
xxx 4 1/2"	1867	1867	
2			
Linera Used _____			

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
9-5/8" with 60 bags 4 1/2" with 107 bags
COAL WAS ENCOUNTERED AT 1065 FEET 60 INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT 2.114 M
ROCK PRESSURE AFTER TREATMENT
Fresh Water 80' 810' 845' Feet Salt Water None Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
See log on other side							

November 16, 1964
Jack Bailey
Hope Natural Gas Company



FORMATION	Open or Mud	TOP	BOTTOM	Steel Line Measurement	Water Found Depth	Oil Found Depth	Gas Found Depth	REMARKS
Red Rock		50	60					
and		60	90					
Red Rock		90	100		80			
and		100	110					
Red Rock		110	125					
and Shale		125	230					
Red Rock		230	255					
and		255	270					
Shale		270	280					
and		280	300					
Red Rock		300	305					
Shale		305	320					
Red Rock		320	460					
Shale		460	480					
Sandy Shale		480	495					
Shale		495	610					
Red Rock		610	630					
Shale		630	685					
and Shale		685	810		810			
Shale		810	890					
and		890	1050		845			
and Shale		1050	1065					
COAL		1065	1070					
Shale		1070	1100					
and Shale		1100	1120					
and		1120	1200					
and Shale		1200	1215					
Shale		1215	1230					
and Shale		1230	1340					
Red Rock		1340	1350					
THIRD SALT		1350	1420					
Sandy Shale		1420	1540					
lime		1540	1570					
Shale		1570	1650			1580		
BIG LIME		1650	1740					1650 60/10 1 1/2 Water
BIG INJUN		1740	1815					
Shale		1815						
TOTAL DEPTH		1890						
TOTAL DEPTH		1876GL						



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle CENTERPOINT

Permit No. DOD-1099-P

WELL RECORD

Oil or Gas Well (Dry)
(KIND)

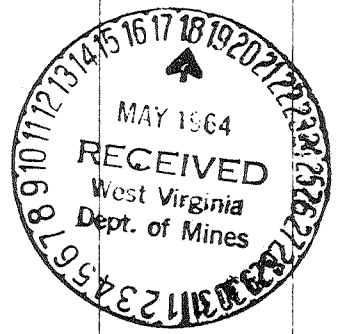
Company Hope Natural Gas Company
 Address Clarksburg, W. Va.
 Farm W. L. Davis Acres 265
 Location (waters) _____
 Well No. 10541 Elev. 933'
 District West Union County Doddridge
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced 5-7-64
 Drilling completed 5-15-64
 Date Shot Not shot From _____ To _____
 With _____
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume Dry Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil Show in Big Lime bbls., 1st 24 hrs.
 WELL ACIDIZED No
 WELL FRACTURED No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/2 <u>9-5/8"</u>	<u>221</u>	<u>221</u>	Depth set
6 3/8			
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
9-5/8" cemented with 50 bags cement
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
None FEET _____ INCHES FEET _____ INCHES
 FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT - - -
 ROCK PRESSURE AFTER TREATMENT - - -
 Fresh Water 700' Feet _____ Salt Water none Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Maxton			1368	1420	Water	700'	
Little Lime			1547	1579			
Big Lime			1595	1685	Gas	1595	Exhausted
Keener			1685	1717			
Injun Sand			1721	1803			
Total Depth				1890'			



May 16, 1964
Jack Bailey
Hope Natural Gas Co.