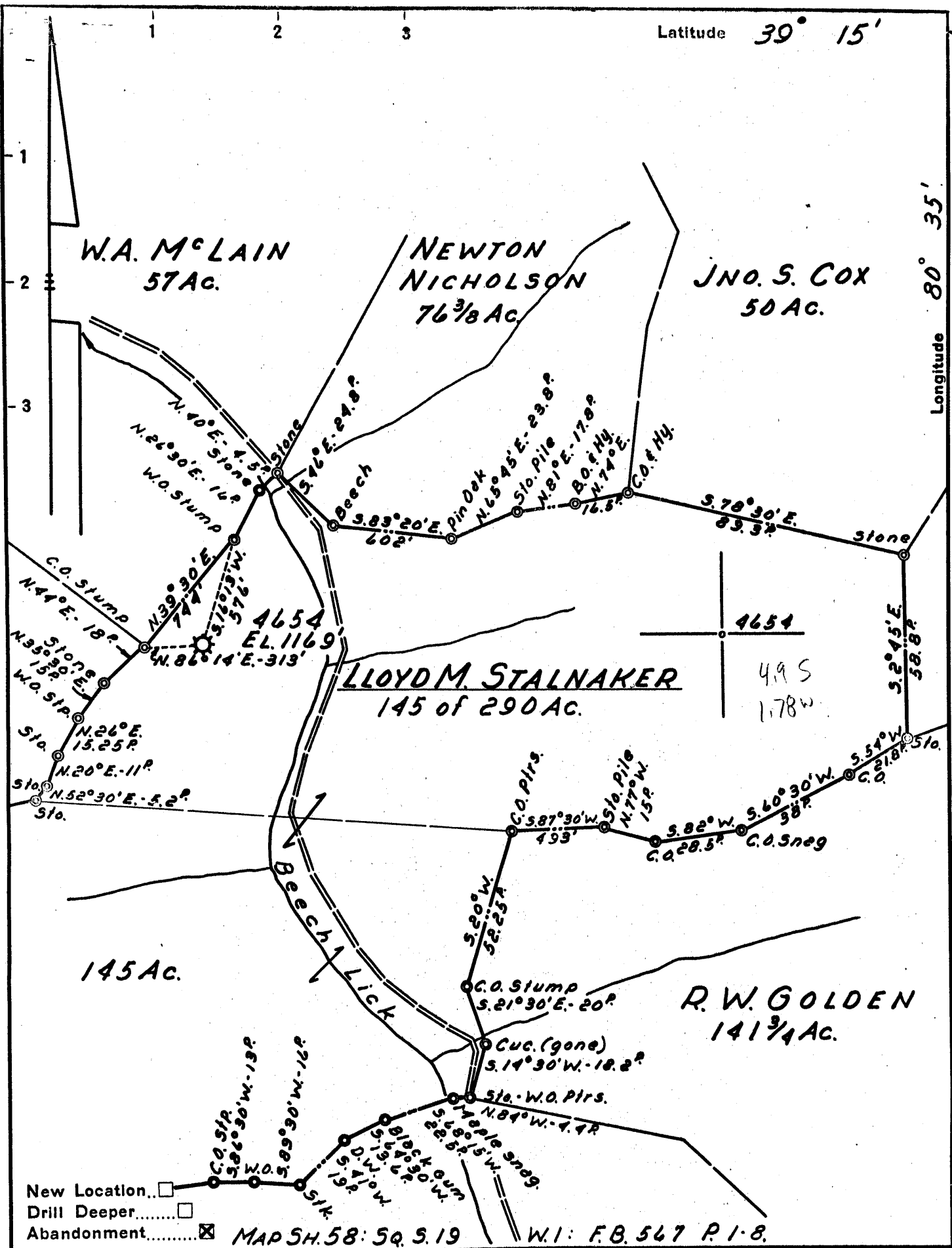


Latitude 30° 15'

Longitude 80° 35'



Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W.VA.
 Farm LLOYD M. STALNAKER
 Tract _____ Acres 290 Lease No. 24338
 Well (Farm) No. _____ Serial No. 4654
 Elevation (Spirit Level) 1169'
 Quadrangle VADIS
 County DODDRIDGE District GREENBRIER
 Engineer Guy Bradley
 Engineer's Registration No. 2425
 File No. _____ Drawing No. _____
 Date 22 OCT. 1953 Scale 1"=40 Poles

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

WELL LOCATION MAP
 FILE NO. DOD-1016-A

+ 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.

006



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

990

WELL RECORD

Permit No. 1016-A

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
Address 445 West Main St. Clarksburg, W. Va.
Farm Stalnaker Hrs. Acres 790
Location (waters) Hydro M.
Well No. 4654 Elev. 1189
District Greenbrier County Doddridge

The surface of tract is owned in fee by _____
Address _____

Mineral rights are owned by _____
Address _____

Drilling commenced March 1, 1917

Drilling completed May 3, 1917

Date Shot 5-11-17 From 2842 To 2852
With 30 Quarts

Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch

Volume 267 M Cu. Ft.

Rock Pressure _____ lbs. _____ hrs.

Oil 2218' (Show only) _____ bbls., 1st 24 hrs.

Fresh water None recorded feet _____ feet

Salt water 1535 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	530	60	Size of
8 3/4	1525	None	
6 3/4	1631	1631	Depth set
5 3/16	2160	2160	
3			Perf. top
2		2859	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
No cementing done

COAL WAS ENCOUNTERED AT 176 FEET 48 INCHES
734 FEET 72 INCHES FEET INCHES
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Native coal			176	180			
Pittsburgh Coal			734	740			
Little Dunkard			1150	1158			
Big Dunkard			1208	1260			
Gas Sand			1365	1380			
1st. Salt			1525	1595	Water	1535	
2nd. Salt			1620	1682			
Little Lime			2095	2110			
Pencil Cave			2110	2127			
Big Lime			2127	2194			
Big Injun			2194	2265	Gas & oil	2216-2218	
Squaw			2270	2400			
Gantz			2518	2543			
Thirty Foot			2718	2734			
Gordon Stray			2804	2815	Gas	2806	
Gordon			2837	2855	Gas	2842-44	
Total Depth				2859'			



Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks

Date October 21, _____, 1953

APPROVED Hope Natural Gas Company, Owner

By _____ (Title) Barley