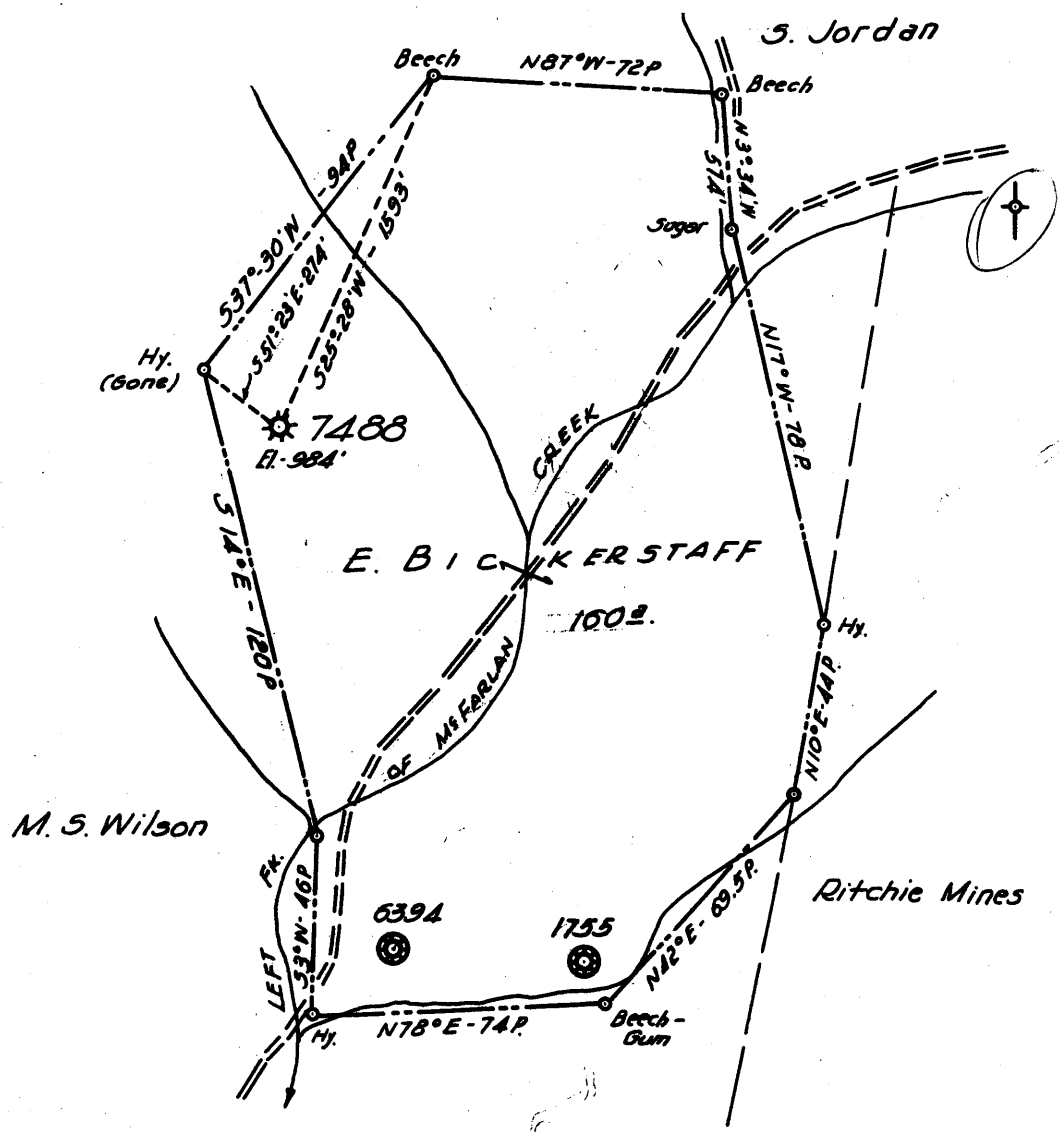


Latitude 39° 10'

Longitude 81° 10'



Handwritten notes:
 1.6 W
 26 Q

New Location
 Drill Deeper
 Abandonment 7488 FORMERLY H. N. G. CO. WELL N° 7488

JUL 31 1960

Company P. & J. DEVELOPMENT Co.
 Address HAMLIN, W. VA.
 Farm E. BICKERSTAFF
 Tract _____ Acres 160 Lease No. 20284
 Well (Farm) No. _____ Serial No. 7488
 Elevation (Spirit Level) 984'
 Quadrangle HARRISVILLE
 County RITCHIE District MURPHY
 Engineer HENRY A. HAIN
 Engineer's Registration No. 3150
 File No. P&J. 18-60 Drawing No. _____
 Date JUNE 28, 1960 Scale 1" = 800'

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

WELL LOCATION MAP
 FILE NO. Rit-1319-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.

Handwritten note at bottom: E. BICKERSTAFF No. 7488 (Hope) - P. & J. DEVELOPMENT Co. RIT-1319-A



1164

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle Harrisonville W.C.

Permit No. 1319A

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Co.
Address Clarksburg, W. Va.
Farm E. Bickerstaff Acres 160
Location (waters) McFarlan Run
Well No. 7488 Elev. 984
District Murphy County Ritchie
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced Dec. 30, 1929
Drilling completed Feb. 4, 1930
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

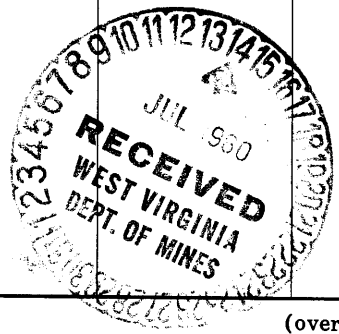
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>Screw</u>
16			<u>Down</u>
13			Size of <u>6 x 5</u>
10	<u>362'</u>	<u>None</u>	Depth set <u>1889'</u>
8 1/4	<u>1082'</u>	<u>282'</u>	
6 5/8	<u>1700'</u>	<u>1700'</u>	
5 3/16	<u>2020'</u>	<u>2020'</u>	
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

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

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____
ROCK PRESSURE AFTER TREATMENT _____
Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Dunkard Sand (L)			945'	960'			
Dunkard Sand (B)			1052'	1080'			
Salt Sand			1677'	1715'			
Maxon Sand			1750'	1812'	Oil 1796'- 1806'- Water 1807'- 1810'		
Big Lime			1840'	1935'			
Injun Sand			1935'	2036'	Oil 2016'-23' Gas 1992'- 2002'- Gas 2030'- 2035'		
					Total Depth 2043'		



JAN 3 1930