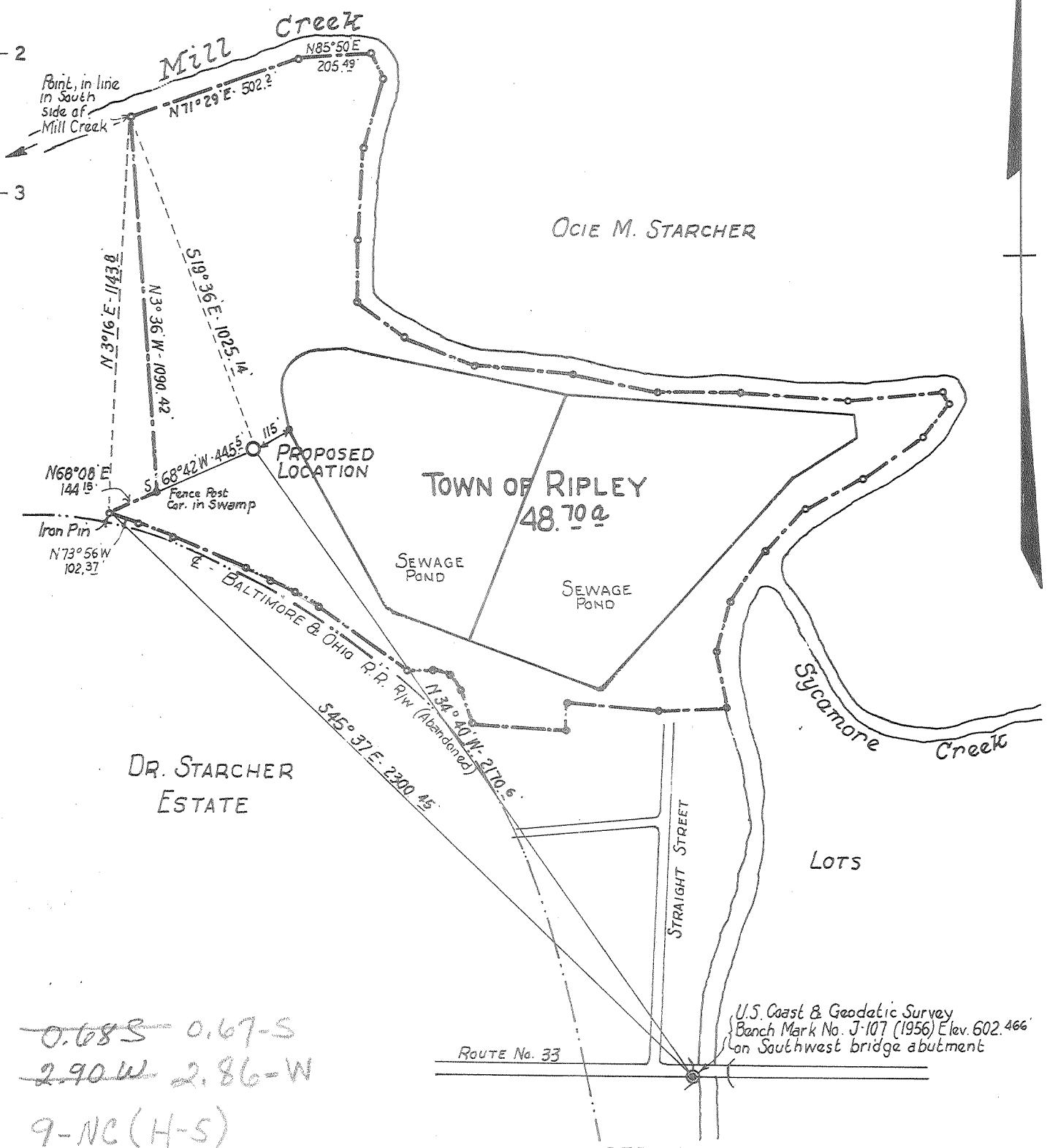


0 1 2 3 LATITUDE 38 ° 50'



LONGITUDE 81 ° 40'



~~0.68 S~~ 0.67-S
~~2.90 W~~ 2.86-W
 9-NC(H-S)

CERTIFICATE

- NEW LOCATION
- RECONDITION
- 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."
 Minimum degree of accuracy is one part in 200

Signed *W.S. Grady* SURVEYOR
 (N.B. No. 93 Pg. 66)

COMPANY COMMONWEALTH GAS CORPORATION
 ADDRESS P.O. BOX 1433 CHARLESTON, W. VA.
 FARM TOWN OF RIPLEY
 MAP OV 25 ACRES 48.70 LEASE NO. 2433
 WELL (FARM) NO. 1 SERIAL NO. 739
 ELEVATION (SPIRIT LEVEL) 592.55'
 QUADRANGLE RIPLEY S.W.
 COUNTY JACKSON DISTRICT RIPLEY
 POINT OF PROVEN ELEVATION U.S. COAST & GEODETIC BM No. J-107
 FILE NO. _____ DRAWING NO. _____
 DATE MARCH 8, 1965 SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE No. JAC-1087

+ 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.

66 ~~192~~ (192) Deep Well



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Ripley S. W.

Permit No. Jac. 1087

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company COMMONWEALTH GAS CORPORATION
Address P. O. Box 1133, Charleston, W. Va. 25325
Farm Town of Ripley Acres 48.70
Location (waters) Big Mill Creek
Well No. 739 Elev. 592.55
District Ripley County Jackson
The surface of tract is owned in fee by Town of Ripley
Ripley Address W. Va.
Mineral rights are owned by Town of Ripley et al
Ripley Address W. Va.
Drilling commenced March 10, 1965
Drilling completed Maych 19, 1965
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume 3,991,000 Cu. Ft.
Rock Pressure 1920 lbs. 48 hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			<u>None</u>
13	<u>67'</u>	<u>67'</u>	Size of
10			Depth set
8 3/4	<u>1909'10"</u>	<u>1909'10"</u>	Perf. top <u>4733</u>
6 3/4			Perf. bottom <u>4740</u>
5 3/16			Perf. top
<u>4-1/2"</u>	<u>4822'6"</u>	<u>4822'6"</u>	Perf. bottom
2			
Liners Used			

CASING CEMENTED SIZE No. Ft. Date
50 bags cement behind 8" casing - 150 bags cement behind 4-1/2" casing
COAL WAS ENCOUNTERED AT FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

WELL FRACTURED April 1, 1965 from 4733 to 4740 with 19,656 gal. water & 30,000# sand

RESULT AFTER TREATMENT 179,000 cu. ft. natural to 3,991,000 cu. ft.

ROCK PRESSURE AFTER TREATMENT 1920# - 48 hrs.

Fresh Water Feet Salt Water Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Soil			0	10			
Soft sand			10	60			
White sand			60	150			
Sand & Shale			150	160			
White sand			160	190			
Grey & red Shale			190	300			
Shale & sand			300	1300			
Sandy Shale			1300	1473			
Shale-sand stringers			1473	1492			
<u>SALT SAND</u>			1492	1655			
Shale			1655	1667			
<u>MAXTON SAND</u>			1667	1695			
Lime - <u>L. lime</u> ?			1695	1745			
Shale - <u>P. Cave</u> ?			1745	1760			
<u>BIG LIME</u>			1760	1815			
<u>INJUN SAND</u>			1815	1860			
Sand & Shale			1860	1920			
Shale & Lime			1920	2250			
Shale - <u>Coffee Shale</u>			2250	2256			
<u>HEHEA SAND</u>			2256	2261			
Shale			2261	4565			
<u>BLACK SHALE - MARCELLUS</u>			4565	4620			
<u>CORNIFEROUS LIME - 46 3</u>			4620	4724			
<u>CRISTONY SAND</u>			4724	4750	<u>Gas</u>	<u>4733-4740</u>	<u>179,000 cu. ft. natural</u>
Lime - <u>HELDERBERG</u>			4750	4826			
TOTAL DEPTH				<u>4826</u>			
				<u>485</u>			
					FINAL GAUGE: 3,991,000 cu. ft. after fracs		

