



New Location...
 Drill Deeper.....
 Abandonment.....

FB 953 P21-13

Company	HOPE NATURAL GAS CO.
Address	CLARKSBURG, W. VA.
Farm	CHAS. V. RINGER
Tract	Acres 80 Lease No. 58075
Well (Farm) No.	Serial No. 9414
Elevation (Spirit Level)	2194
Quadrangle	KINGWOOD N E
County	PRESTON District PORTLAND
Engineer	W.M. Bowers
Engineer's Registration No.	900
File No.	Drawing No.
Date	8 Feb. 50 Scale 1" = 30'

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

WELL LOCATION MAP
 FILE NO. PRES-15

+ 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.

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Pres 15
Kingwood Quad.
Company
Address
Farm
Location
Well No.
District
Surface
Mineral
Commenced
Completed
Open flow
Volume
Rock Pressure
Fresh Water

Hope Natural Gas Company
445 West Main St., Clarksburg, W.V.
Charles V. Ringer Acres 57 and 80
9414 Elev. 2194'
Portland Preston County
Chas. V. Ringer, Terra Alta, W.Va.
Same
April 27, 1950
Aug. 21, 1950
43/10ths W in 2"
368,000 C.F.
1760 lbs. 24 hrs.
118'

Gas Well
CASING & TUBING

	13	24	24
	10	502	502
	8 1/2	1671	1671
	6 5/8	5488	5488

CASING CEMENTED:
7" and 8 5/8" set in cement
No coal

Slate Yellow	0	24
Slate Gr	24	125
Sand Gr	125	163
Slate Shells Gr	163	225
Lime Gr	225	307
Slate Shells	307	1560
Benson Brown	1560	1578
Slate Gr	1578	1592
Benson Br	1592	1662
Slate Shells Wh	1662	2739
Lime Gr	2739	2968
Slate Shells Gr	2968	4095
Shale Br	4095	4198
Shale Dk	4198	4712
Tully Gr	4712	4735
Slate Br	4735	5100
Slate Shells Gr	5100	5226
Lime Gr	5226	5278
Shale Br	5278	5288
Shale Blk	5288	5395
Lime Blk	5395	5425
Shale Break Dk	5425	5466
Corniferous Br	5466	5487
Chert Dk-Ab 3	5487	5618
Shale Needmore	5618	5632
Oriskany	5632	5675
Shale Break	5675	5715
Corniferous Br	5715	5837
Shale Dk-Needmore	5837	5884
Oriskany Wh & Holdby	5884	5983
T.D.		5983

5466	5632
2194	2194
-3272	-3438
5715	5884
2194	2194
-3521	-3690

Gas 5523-26; 5547; 5580-97; 5684-88

Gas 5885-91

485

CHARLES V. RINGER NO. 9414 WELL.

Portland District, Preston County, W. Va.

By Hope Natural Gas Co., 445 W. Main St., Clarksburg, W. Va.

Drilled under permit Pres-15.

Located 4.01 mi. S. of 39° 30' and 3.63 mi. W. of 79° 30' - NE - Kingwood
Quadrangle.

Elevation, 2194' L.

Drilling commenced April 27, 1950; completed August 21, 1950.

Gas well; volume, 368,000 cu. ft.

Rock pressure, 1760 lbs. in 24 hrs.

Fresh water at 118'.

13" casing, 24'; 10", 502'; 8½", 1671'; 6½", 5488'; all left in.

Casing cemented: 7" and 8½" set in cement.

Gas at 5523-26, 5547, 5580-97, 5634-5638, and 5885-5911'.

Section based on samples from 4592 to 5983'; examined by Russell R. Flowers.

Record to RCT from Flowers May 12, 1952.

Top. Bottom. Thickness.

4592 - 4641	49	Shale, dark-gray to grayish-black, some medium- to dark-gray, silty
4641 - 4712	71	Shale, mostly grayish-black, somewhat carbonaceous TULLY LIMESTONE, 22 FEET
4712 - 4725	13	Limestone, olive-gray to dark-gray, highly argillaceous
4725 - 4734	9	Shale, dark-gray, some grayish-black, calcareous HAMILTON AND MARCELLUS SHALES, 732 FEET
4734 - 4800	66	Shale, dark-gray to grayish-black
4800 - 4850	50	Shale, dark-gray, some dark-gray to grayish-black, calcareous
4850 - 4926	76	Shale, dark-gray, to grayish-black, somewhat calcareous
4926 - 4984	58	Shale, dark-gray, some dark-gray to grayish-black in the lower part; small amount is calcareous
4984 - 5119	135	Shale, dark-gray to grayish-black
5119 - 5236	117	Shale, very dark gray, somewhat dolomitic in part, silty in part
5236 - 5300	64	Shale, dark-gray, some dark-gray to grayish-black in the lower part, slightly calcareous and slightly dolomitic
5300 - 5401	101	Shale, dark-gray to grayish-black, some grayish-black to black in the middle and lower parts, small amount is calcareous and dolomitic
5401 - 5433	32	Shale, grayish-black to black, carbonaceous, calcareous; a large amount of dark-gray, highly calcareous and dolomitic shale; small amount of calcite and pyrite
5433 - 5466	33	Shale, grayish-black to black, carbonaceous, pyritic, highly calcareous in part ONONDAGA GROUP, 167 FEET
5466 - 5487	21	Shale, grayish-black to black (highly calcareous) at the top to a grayish-black, very shaly limestone at the bottom, slightly pyritic; some brownish-gray to brownish-black metabentonite at the top; small amount of vein calcite and a trace of vein quartz at the top
5487 - 5489	2	Chert, dark-gray to grayish-black, highly argillaceous, calcareous, somewhat dolomitic
5489 - 5496	7	Chert, medium- to dark-gray, some light-gray in the lower part, highly dolomitic and calcareous in part
5496 - 5505	9	Chert, mottled light-gray (transparent to translucent) and dark-gray (argillaceous), calcareous and dolomitic, spicular, silty and slightly glauconitic in part

(OVER) (P. 2)

Top.	Bottom.	Thickness.	
5505	- 5511	6	Chert, light- to medium-gray, translucent to opaque, spicular, somewhat dolomitic, brecciated with argillaceous fillings
5511	- 5523	12	Chert, white to light-gray, transparent to translucent, spicular, highly brecciated with argillaceous and quartz fillings, contains a little argillaceous material, slightly dolomitic
5523	- 5526	3	Chert, white to light-gray (transparent to translucent, spicular), mottled with some dark-gray (highly argillaceous), somewhat dolomitic
5526	- 5537	11	Chert, mottled light-gray (mostly translucent) and dark-gray (argillaceous), spicular, brecciated with quartz and argillaceous fillings, slightly dolomitic
5537	- 5541	4	Chert, light- to medium-gray, some dark-gray spots (argillaceous), translucent to opaque, silty, slightly dolomitic
5541	- 5562	21	Chert (silty) to siltstone, medium-gray to dark-gray, some dark-gray to grayish-black (argillaceous), somewhat dolomitic, spicular in part, small amount is glauconitic at 5549 5549 to 5555', pyritic in the lower part
5562	- 5591	29	Chert, medium- to dark-gray (opaque), a moderate to large amount of grayish-black (highly argillaceous), slightly dolomitic
5591	- 5604	13	Chert, dark-gray to grayish-black, silicified shale
5604	- 5618	14	Shale, grayish-black, silicified; some dark-gray chert
5618	- 5632	14	Shale, grayish-black

RIDGELEY SANDSTONE, 41 FEET

(Top 11 feet like subsurface Oriskany in the Charleston area)

5632	- 5639	7	Sandstone, very light to light-gray, fine- to medium-grained, some coarse grains, subrounded to rounded, calcareous, contains a small amount of dark (argillaceous) interstitial material
5639	- 5643	4	Sandstone, light-gray, fine-grained at the top, fine to very fine grained at bottom, some medium to coarse grains, subrounded to rounded, highly calcareous, a few fossil fragments
5643	- 5653	10	Sandstone (highly calcareous) to a very sandy limestone, light- to medium-gray, some dark-gray to grayish-black (shaly) streaks, very fine to medium-grained, some coarse grains, the larger grains are rounded; trace of chert (lacy), fossiliferous
5653	- 5662	9	Sandstone, medium light gray, some dark-gray (argillaceous), highly calcareous, very fine to fine-grained, with many medium to coarse (rounded) grains in the upper part, some fossil fragments
5662	- 5674	12	Sandstone, medium- to dark-gray with light-gray spots, very fine to fine-grained, some medium to coarse grains, silty, argillaceous, highly calcareous

ONONDAGA GROUP, 210 FEET

5674	- 5686	12	Shale, grayish-black, silicified to a dark-gray chert, somewhat calcareous, slightly dolomitic
5686	- 5690	4	Chert, white to medium-gray (spicular) with dark-gray to grayish-black (shaly) streaks, brecciated with quartz and argillaceous fillings, somewhat dolomitic
5690	- 5719	29	Chert, white to medium-gray (ordinary to transparent), mottle with dark-gray to grayish-black (argillaceous), highly spicular, slightly dolomitic

Top.	Bottom.	Thickness.	
5719	- 5727	8	Siltstone to chert, mottled medium dark gray and grayish-black (highly argillaceous), dolomitic
5727	- 5754	27	Chert, medium dark gray to grayish-black (highly argillaceous), very silty, small amount is dolomitic
5754	- 5771	17	Chert, medium dark gray, a large amount of dark-gray to grayish-black (highly argillaceous), slightly dolomitic
5771	- 5807	36	Chert to silicified shale, medium dark gray to grayish-black; trace of dolomite
5807	- 5837	30	Shale, dark-gray to grayish-black; highly silicified; some medium dark gray chert
5837	- 5860	23	Shale, grayish-black, silicified
5860	- 5876	16	Shale, grayish-black
5876	- 5884	7	Shale, grayish-black; some medium- to dark-gray, highly calcareous, shaly chert
RIDGELEY SANDSTONE, 54 FEET			
(Top 11 feet like subsurface Oriskany in Charleston area)			
5884	- 5890	6	Sandstone, light-gray, some very light gray, some medium-gray, fine-grained, some medium grains, calcareous, highly calcareous at the bottom, quartzitic, a small amount of interstitial shaly material
5890	- 5895	5	Sandstone, very light to light-gray, very fine to medium-grained, subrounded, highly calcareous, some fossil fragments
5895	- 5898	3	Sandstone, light- to medium-gray with some grayish-black (shaly) streaks, very fine to medium-grained, some coarse grains, the larger grains are rounded, highly calcareous, some fossil fragments
5898	- 5901	3	Sandstone (highly calcareous) to limestone (very sandy), medium- to dark-gray (argillaceous), very fine to fine-grained, some medium to coarse (rounded) grains in the lower part
5901	- 5919	18	Sandstone, light- to medium-gray, very fine to medium-grained, some coarse grains, the larger grains are rounded, silty, very highly calcareous, with limestone spots, contains some argillaceous material
5919	- 5938	14	Sandstone, medium- to dark-gray (argillaceous, with grayish-black shale streaks), very fine to fine-grained, some medium to coarse (rounded) grains, silty, highly calcareous
5933	- 5938	5	Sandstone (very fine, silty), medium- to dark-gray, argillaceous, contains some fine to medium grains (rounded)
HELDERBERG FORMATION, 45+ FEET			
5938	- 5942	4	Sandstone (very fine) to siltstone, grayish-black (very shaly) at top to dark-gray (shaly) at the bottom, a few fine to medium quartz grains, highly calcareous
5942	- 5959	17	Limestone (very silty) to siltstone and sandstone (very fine, highly calcareous), medium- to dark-gray with grayish-black (silty) streaks and light-gray sandstone (fine to medium) spots; some white calcite
5959	- 5969	10	Limestone (very sandy) to sandstone (highly calcareous), light- to medium-gray, mottled with dark-gray to grayish-black (highly argillaceous), very silty; the sand is very fine to coarse-grained (large grains are rounded), fossiliferous, a little porous chert in the lower part
5969	- 5974	5	Siltstone (very shaly) to shale (very silty), dark-gray to grayish-black (with white to medium-gray, sandy, cherty limestone spots), very highly calcareous

Top.	Bottom.	Thickness.	
5974	- 5977	3	Siltstone (sandy) to sandstone (very silty), light- to dark-gray, very highly calcareous, argillaceous, some of the sandstone is fine- to medium-grained and rounded
5977	- 5983	6	Sandstone, light-gray (with some medium- to dark-gray argillaceous spots), very fine to medium-grained, subrounded to rounded, mostly very fine grained at the bottom, highly calcareous
5983			Total depth