

February 12, 1959

SUSAN STUMP NO. 4 (8655) WELL

Center District, Gilmer County, W. Va.
By Hope Natural Gas Co., Clarksburg, W. Va.
Located 5.10 mi. S. of 38° 55' and 3.90 mi. W. of 80° 55'
Glennville Quadrangle, WC
Elevation, 797' L.
Permit-Gil.-587.

Drilling commenced May 24, 1943; completed Oct. 19, 1943. Gas shows:
440; 470; 508; 790; 1350; 1418-1424; 3143'.

Salt water: 558, 1469; 3010; 6100-6104½.

Section based on samples from 5836' to 6082'.

Examined by Russell R. Flowers.

Top	Bottom	Thickness	
5836'	5875'	39'	Shale, brownish black to black, very highly carbonaceous, pyritic in part, calcareous in part; some brownish-gray to brownish-black shaly limestone in the upper part.
5875	5878	3	No sample.
HUNTERSVILLE CHERT, 204 feet			
5878	5910	32	No sample (corniferous lime 5878 to 6081- from driller's log)
5910	5925	15	Limestone (cherty) brownish-gray to brownish-black, to chert, white to light gray.
5925	5934	9	Chert, light to medium gray to a calcareous chert, brownish-gray to brownish-black (shaly)
5934	5936	2	Chert, medium-gray, calcareous, some dark gray to brownish-black, lightly dolomitic, shaly chert.
5936	5944	8	Chert, white to light-gray, calcareous to a highly calcareous, shaly chert, brownish-gray to brownish-black.
5944	5947	3	Chert, light- to medium-gray, calcareous, somewhat dolomitic; trace of glauconite.
5947	5952	5	Chert, medium-gray to brownish-gray and brownish-black, some light-gray, highly calcareous, dolomitic, sandy and silty somewhat glauconitic.

Top	Bottom	Thickness	
5952	5958	6	Chert, light-gray, some medium-gray, some white, calcareous, somewhat dolomitic.
5958	5962	4	Chert, light- to medium-gray, some brownish-gray, to brownish-black, highly calcareous, dolomitic, silty, slightly glauconitic.
5962	5965	3	Chert, light- to medium-gray, calcareous, dolomitic, very silty in part.
5965	5973	8	Chert, light-gray to brownish-gray, some brownish-black (shaly) highly calcareous, dolomitic, very silty in part.
5973	5982	9	Chert, brownish-gray to brownish-black (shaly) a moderate to large amount of light-gray highly calcareous, dolomitic, silty in part.
5982	5994	12	Chert, light- to medium-gray, some brownish-gray, to brownish-black (shaly) highly calcareous, somewhat dolomitic.
5994	6009	15	Chert, medium- to dark-gray to brownish-black (silicified shale), highly calcareous, somewhat dolomitic.
6009	6014	5	Chert, medium to medium- dark gray, some brownish-black, silicified shale, highly calcareous highly dolomitic in part.
6014	6016	2	Sandstone (very fine) to siltstone, light- to medium gray and brownish-gray, calcareous, glauconitic.
6016	6025	9	Sandstone (very fine) to siltstone, medium dark and dark-gray to brownish-black, very shaly, dolomitic, somewhat glauconitic.
6025	6036	11	Chert, medium- to dark-gray, some light gray, highly calcareous at the top, dolomitic, contains some dark shaly material, slightly glauconitic.
6036	6042	6	Chert (silty) to siltstone, medium light to medium dark gray, dolomitic, highly calcareous at the bottom.
6042	6051	9	Chert, medium- to dark-gray (shaly) some light gray, some brownish-black, somewhat dolomitic, somewhat shaly.
6051	6062	11	Siltstone to chert (silty) medium- to dark-gray, with green spots, some grayish-black, highly glauconitic somewhat calcareous and dolomitic, shaly in part.

Top	Bottom	Thickness	
6062	6077	15	Chert, calcareous and dolomitic to a silty, silicified shale, medium- to dark-gray, slightly glauconitic.
6077	6078	1	Siltstone to sandstone (fine- to medium-grained), medium- to dark-gray, calcareous, cherty, pyritic, highly glauconitic (Depth corrected from 6078 DLM to 6082 SIM)

ORISKANY SANDSTONE

6082			Sandstone, white, fine- to medium-grained, subrounded to rounded, some coarse to very coarse well-rounded grains, almost entirely quartz grains (mostly clear and glossy but many are frosted), calcareous.
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6302' Total Depth.

254

2160

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
WELL RECORD

Permit No. Gil 587
Glenville Quad.
Company
Address
Farm
Location
Well No
District
Surface
Mineral
Commenced
Completed
Not shot
Fresh Water

Hope Natural Gas Company
445 W. Main St., Clarksburg, W.Va.
Susan Stump Acres 200
Steer Creek
8655 Elev. ~~797~~ 760'
Center Gilmer County
O.A. Collins, Lockney, W.Va.

Dry Hole
CASING & TUBING

16	181	181
13	562	662
10	1562	1562
8½	3151	3151
6 5/8	5900	5900

May 24, 1943
Oct. 19, 1943

Casing cemented 7-
bottom

No coal

135'; 558(Salt), 1469-Salt and
3010; 6100-6104

Soil	0	10	Lime	Gritty	2888	2913
Shell Gr	10	32	Lime	Dk	2913	2965
Red Rock	32	38	Slate Shells	Gr	2965	3005
Slate Shells Gr	38	73	Lime	Gritty	3005	3031
Red Rock	73	80	Slate Shells		3031	3139
Slate Shells Gr	80	105	Lime Shells		3139	3207
Slate R	105	114	Lime	Gritty	3207	3255
Sand Gr	114	129	Slate, Shells, Lime	Gr	3235	4309
Slate Shells Dk	129	143	Slate & Lime Shells		4309	4325
Lime Gr	143	148	Lime	Gr	4325	4415
Slate Shells	148	154	Slate & Sand Shells		4445	4536
Slate R	154	175	Lime	Gr	4536	4550
Lime Gr	175	185	Slate & Shells		4550	4580
Slate Red	185	200	Lime	Gritty	4580	4608
Slate Bl	200	210	Slate & Lime Shells		4608	5002
Lime Broken	210	220	Lime	D.Gray	5002	5033
Slate Red	220	250	Slate & Shells		5033	5079
Lime	250	268	Shale & Lime Shells		5079	5108
Lime Broken	268	290	Lime	Dk	5108	5125
Slate R and Gr	290	360	Slate & Lime Shells		5125	5148
Lime Broken	360	381	Lime	Gr	5148	5170
Slate R	381	390	Slate Shells	Dk	5170	5265
Slate, Lime Gr and Gritty	390	475	Lime	Dk	5265	5287
Slate R	475	479	Slate & Lime Shells	Gr	5287	5405
Lime, Slate, shells Gr, Broken	479	506	Shale	Br	5405	5440
✓ Little Dunkard Gr	506	520	Lime	Dk	5440	5471
Slate Gr	520	550	Shale & Shells		5471	5490
Gritty Lime	550	570	Broken Lime		5471	5503
✓ Big Dunkard	570	668	Shale & Lime Shells	Br	6503	5577
Slate Dk	668	735	Shale	Bk	5577	5588
✓ Gas Sand	735	933	Shale	Br	5588	5620
Slate Dk	933	992	Lime ? Tally	Gr	5620	5690
✓ First Salt Lime	992	1010	Slate Shells		5690	5707
Slate, Lime Dk H	1010	1119	Shale		5707	5806
✓ Second Salt Brown	1119	1146	Shale & Lime Shells	Br	5806	5878
Slate Shells, Lime Gr	1146	1259	✓ Corniferous Lime		5878	6011
Third Salt	1259	1375	Criskany		6031	6086
Slate, Lime Gr	1375	1415	✓ Lime Tally	Dk	6156	6216
Maxon Lt Gr	1415	1478	Lime, Gritty	Gray	6226	6286
Slate, Shells	1478	1505	Sandy Lime	Gray	6278	6286
6081 Little Lime	1505	1525	Lime	Gray	6286	6302
760 Slate & Shells	1525	1534				
5321 Lime Gr	1534	1537	TOTAL DEPTH			6302
1114 Pencil Cave	1537	1548				
935 Big Lime	1548	1623	Show gas	440; 470; 508; 558; 790; 1350;		
Big Injun	1623	1718	Gas	1418-1424; show gas 3143		
Slate & Shells	1718	1777				
Lime Gritty	1777	1806				
Slate Shells	1806	1950				
Lime Dk	1950	1980				
Slate Shells Gr	1980	2130				
Sand	2130	2149				
Slate, Shells, Lime Dk	2149	2492				
Sand Shells Br	2492	2499				
Slate, Shells Gr	2499	2388				

1718
797
921
1718
548
170
1714
797
917

sample
study

2-23
100