



Company Hope Natural Gas Co.
 Address Clarksburg, W. Va.
 Farm Federal Coal Co.
 Tract _____ Acres 18348 Lease No. 7618-7619-7620-7621-7622-7623-7624
 Well Serial No. 7625-7626-7638-7639-7640-7641-7642
 Elevation (Spirit Level) see above
 Quadrangle Peytona
 County Boone District Sherman
 Engineer [Signature]
 Engineer's Registration No. 744
 File No. _____ Drawing No. _____
 Date 9-17-37 Scale 1" = 1320'

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

WELL LOCATION MAP
 FILE NO. B00-50 A 185A87
B0088A WELL 7641, 7642

+ 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.

see Drp. # F-17

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

488

WELL RECORD

Permit No. BOB-91A

Oil or Gas Well Gas
(KIND)

Company Hope Natural Gas Company
 Address 445 West Main St. Clarksburg, W. Va.
 Farm Federal Coal Company Acres 18348
 Location (waters) _____
 Well No. 2438 Elev. 1544'
 District Shawmen County Boone
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by _____
 Address _____
 Drilling commenced Aug. 9, 1929
 Drilling completed Oct. 27, 1929
 Date shot Oct. 29, 1929 Depth of shot 3211-3221
 Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water 105-132-220 feet _____ feet
 Salt water 1612-2375-3160 feet _____ feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10	<u>907'</u>		Size of
8 1/4	<u>2072'</u>	<u>Pulled</u>	Depth set
6 5/8	<u>2099'</u>		
5 3/16			
3			Perf. top
2	<u>3220'</u>	<u>Pulled</u>	Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Not cemented
 CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT 100 FEET 80" INCHES
210 FEET 24 INCHES 285 FEET 72 INCHES
344 FEET 24 INCHES 656 FEET 36 INCHES
700 24 795 24
878 28

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			15	100			
Coal			100	105			
Sand & Slat			105	210			
Coal			210	212			
Slate			212	285			
Coal			285	291			
Slate			291	344			
Coal			344	346			
Line			346	355			
Sand			355	380			
Line			380	386			
Sand			386	585			
Line shells			585	615			
Sand			615	656			
Coal			656	659			
Line			659	700			
Coal			700	702			
Line & shells			702	795			
Coal			795	797			
Sand			797	875			
Slate			875	878			
Coal			878	882			
Sand			882	926			
Line			926	935			
Sand			935	1108			
Line shell			1108	1338			
Sand			1338	1465			
Grampas			1465	1655	Water	1612	
Slate			1655	1717			
Salt Sand			1717	2046			
Line			2046	2075			
Sand			2075	2121			
Line Slate			2121	2215			
Sand			2215	2280			
Line			2280	2315			
Maron Sand			2315	2429	Water	2375	
Line shell			2429	2568			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Pencil Cove			2568	2578			
Little Lime			2578	2682			
Big Lime			2682	2915			
K cover Sand			2915	2930			
Injun Sand			2930	2980			
Shells			2980	2980			
Lime			2980	3005			
Weir Sand			3005	3222	Water Gas	3160 3149-3222	
Slate & Shell			3222	3262			
Lime			3262	3360			
Shale			3360	3370			
Boron Sand			3370	3383			
Slate			3383	3385			
Lime			3385	3388			
Total Depth				3388			

Date....., 194.....

APPROVED....., Owner

By  (Title)