

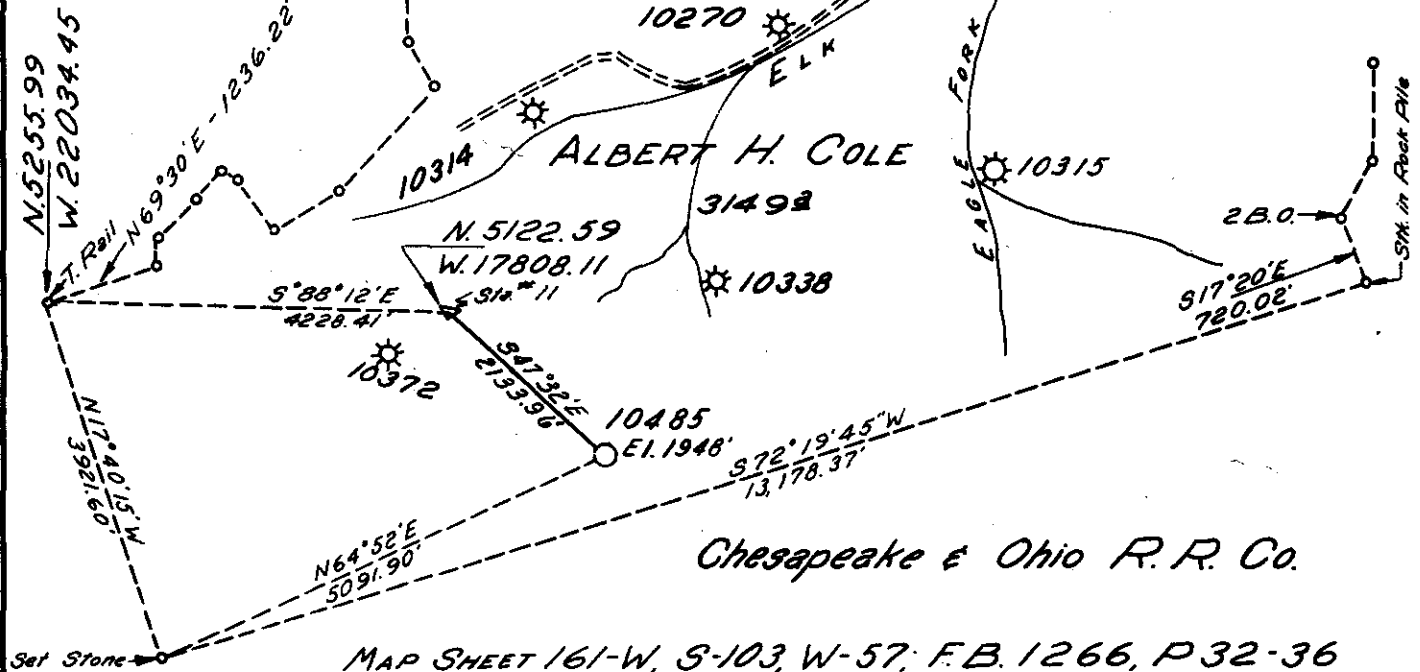
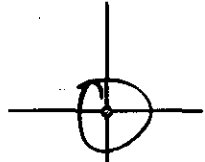
23,550'

Latitude 38° 00'

Longitude 81° 30'

NOTE:
GLOGORA COAL CO. COORDINATE VALUES
FOR LOC. #10485
N. 3681.99 W. 16234.23

Federal Coal Co.



Chesapeake & Ohio R.R. Co.

MAP SHEET 161-W, S-103, W-57, F.B. 1266, P32-36

Minimum Error of Closure 1' in 2500'

Source of Elevation Levels from B.M. Z-187-1958 (EL 2135.49)

New Location
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."

Company HOPE NATURAL GAS CO.
 Address CLARKSBURG, W. VA.
 Farm ALBERT H. COLE ET. AL.
 Tract _____ Acres 3149 Lease No. 68059
 Well (Farm) No. _____ Serial No. 10485
 Elevation (Spirit Level) 1948'
 Quadrangle BALD KNOB (NE)
 County BOONE District CROOK
 Engineer Jackson M. Jarrow
 Engineer's Registration No. 2397
 File No. _____ Drawing No. _____
 Date 3-4-63 Scale 1"=2000'

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

WELL LOCATION MAP
FILE NO. B00-955

+ 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.

FORMATION	Open or Close Hard or Soft	TOP	BOTTOM			
Sand		0	104			
OAL		104	106			
Sand		106	179			
COAL		179	186			
Sand & Shale		186	195			
Sand		195	220			
Sand & Shale		220	230			
Sand		230	255			
Sand & Sh.		255	290			
Shale		290	335			
Sand		335	390			
Sand & Sh.		390	485			
Sand		485	540			
Sand & Sh.		540	580			
Sand		580	610			
Sand & Sh.		610	625			
Sand		625	665			
Sand & Sh.		665	905			
Sand		905	1135			
Sand & Sh.		1135	1145			
Shale		1145	1300			
Sh. & Sand		1300	1400			
Sand		1400	1435			
Sand & Sh.		1435	1440			
Sand		1440	1500			
Sand & Sh.		1500	1630			
Shale		1630	1645			
Sand		1645	1702			
Shale		1702	1750			
Sand		1750	1765			
Shale		1765	1785			
Sand & Sh.		1785	1795			
Sand		1795	2310	1945		
Sand & Sh.		2310	2350			Quit Dusting - Small Amount H ₂ O
Sand		2350	2380			
R. Rock & Sh.		2380	2455			
Black Lime		2455	2495			
Limey Shale		2495	2540			
UPPER MAXTON		2540	2705			Test at 2590 0/10 W
Lime		2705	2720			Test -2620 0/10 W
Sand		2720	2740			Test- 2645 70-80/10 W
Shale		2740	2790			FM Test at 2675 30- 10 W 1" FM. 41M & 48M
Red Rock		2790	2805			Test at 2740 30-35/10 1" FM - 41M & 44 M
Shale		2805	2900			Test at 3010 16/10 W FM. 30M -
Sand & Sh.		2900	2950			Test at 3100 16/10 W FM 30M
LITTLE LIME		2950	3000			Test at 3310 -0+14/1 1" FM 136M
BIG LIME		3000	3340			Test at 3340 -0+14/1 1" FM 104M
Sand		3340	3375			Test at 3430 - 7/10 1/2" FM 18M
Weir Shells		3375	3420			Test at 3490 17/10 1/2" FM 28M
WEIR SAND		3420	3595			Test at 3675 12-14 M 1/2" FM. 24M & 26M
Sand & Sh.		3595	3675			
TOTAL DEPTH K.B.			3675			

July 17, 1963
Jack Bailey
 Dept. Natural Gas Company