



- New Location.
- Drill Deeper. ....
- Redrill. ....
- Abandonment. ....

NOTE: MABLE HEFLIN OWNS IN FEE  
NO COAL

Company	F. C. STONE	
Address	205 E. STATE ST. ATHENS, OHIO	
Farm	MABLE HEFLIN	
Tract	Acres 165	Lease No.
Well (Farm) No.	ONE	Serial No.
Elevation (Spirit Level)	1065'	
Quadrangle	WEST UNION SW	
County	RITCHIE	District CLAY
Engineer	Chas Waterman	
Engineer's Registration No.	3788	
File No.	Drawing No.	
Date	1/27/61	Scale 1" = 40P

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

**WELL LOCATION MAP**  
FILE NO. RIT-2328

+ 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.

6-6 88



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION

Quadrangle West Union

Permit No. RIT-2328

WELL RECORD

Oil or Gas Well Gas  
(KIND)

Company Cotton Oil & Gas  
Address Cotton, Ohio  
Farm Wells Hoffer Acres 16.5  
Location (waters) Quartz Run  
Well No. 1 Elev. 1065  
District Clay County Ritchie  
The surface of tract is owned in fee by Wells Hoffer  
Address Bonanza, W. Va.  
Mineral rights are owned by Wells Hoffer  
Address Bonanza

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 3/4			
6 3/4			Depth set
5 3/4	<u>none</u>	<u>2051</u>	
3			Perf. top <u>1965</u>
2			Perf. bottom <u>2033</u>
Liners Used <u>none</u>			Perf. top
			Perf. bottom

\* Drilling commenced 4-28-61  
\* Drilling completed 7-12-61  
Date Shot nt From \_\_\_\_\_ To \_\_\_\_\_  
With \_\_\_\_\_  
Open Flow 10ths Water in \_\_\_\_\_ Inch  
10ths Merc. in \_\_\_\_\_ Inch  
Volume 6,300,000 Cu. Ft.  
Rock Pressure 450 lbs. 3 hrs.  
Oil none bbls., 1st 24 hrs.  
WELL ACIDIZED nt

CASING CEMENTED yes SIZE 5 1/2 No. Ft. 7/12/61 Date  
25 Sacks Cement  
Lawson Cementing Company  
COAL WAS ENCOUNTERED AT \_\_\_\_\_ FEET \_\_\_\_\_ INCHES  
✓ FEET ✓ INCHES ✓ FEET ✓ INCHES  
✓ FEET ✓ INCHES ✓ FEET ✓ INCHES

WELL FRACTURED yes - was drilled with rotary (water)

RESULT AFTER TREATMENT 6,300,000 cu. ft. gas

ROCK PRESSURE AFTER TREATMENT 450 lbs

Fresh Water \* None Logged ✓ Feet          Salt Water \* None ✓ Feet         

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
SAND-SHALE	RED	SOFT	0	215			
LIME-SHALE	GRAY	HARD		295			
SHALE-AD SAND	"	"		470			
SAND-SHALE	GREEN	MED		620			
LIME	GRAY	HARD		660			
	"	"		120			
LIME-SHALE	"	MED		1400			
SAND-SHALE	GREEN	SOFT		1503			
SILT SAND	"	HARD		1808			
MAXTON SAND	DKR GRAY	SOFT		1849			
SHALE-SND	RED	"		1862			
LITTLE LIM	GRAY	HARD		1867			
PENCIL CAVE	"	SOFT		1877			
SHALE	RED	"					
	"	"		1969			
BIG LIME	GRAY	HARD		1976	CO2S		FINE SHOW
AGENER SAND	"	MED		2064	CO2S		FINE SHOW
BIG SANDWICH	"	"					