

Latitude 39° 25'

Longitude 81° 10'

F. P. BROWN

J. C. SUNDERMAN
50 Ac.

J. C. COTTON

J. C. Mc LAUGHLIN

R.O.

BEECH

N 44° 30' W 1633.5'

J. S. SMITH
S 45° W 1332.8'

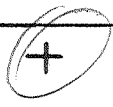
#21
EL. 983'

N 44° E 960'
S 24° W 390'

N 45° E 1332.8'

S 44° 30' E 1633.5'

STO # NO.



1.84 W
3.25 D

New Location
Drill Deeper
Abandonment

SEP 12 1960

Company	HART & HAMILTON
Address	ST. MARYS, W. VA.
Farm	J. C. SUNDERMAN
Tract	Acres 50 Lease No. 13
Well (Farm) No.	21 Serial No.
Elevation (Spirit Level)	983
Quadrangle	ST. MARYS.
County	PLEASANTS District WASHINGTON
Engineer	JOHN W. HAMILTON
Engineer's Registration No.	2274
File No.	Drawing No. 224
Date	AUG. 30, 1960 Scale 1" = 300'

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

WELL LOCATION MAP
FILE NO. PLEAS-877-A

+ 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.

J. C. SUNDERMAN No. 21 - HART & HAMILTON - PLEAS-877-A



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

235

Quadrangle St. Marys

Permit No. 877-A

WELL RECORD

Oil or Gas Well Oil
(KIND)

Company Hart & Hamilton
Address 702 Second St., St. Marys, W. Va.
Farm J. C. Sunderman Acres 50
Location (waters) _____
Well No. 21 Elev. 983'
District Washington County Pleasants
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by (Trustee) First Nat. Bank
Address St. Marys, W. Va.
Drilling commenced _____
Drilling completed 1916
Date Shot _____ From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 3/4			
6 5/8 <u>6-1/4</u>	<u>770'</u>		Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

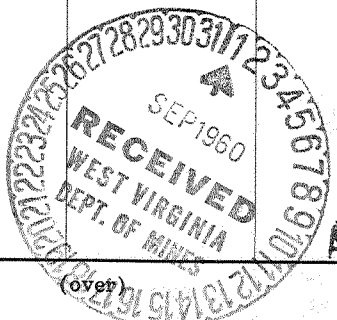
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT _____

ROCK PRESSURE AFTER TREATMENT _____

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
<u>Cow Run</u>			<u>796'</u>	<u>814'</u>			
<u>Total Depth</u>				<u>820'</u>			



AUG 2 1961

(over)

