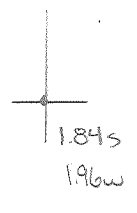


Latitude

Longitude



Topo Location

7.5' Loc. _____ 15' Loc. _____
 _____ (calc.) _____

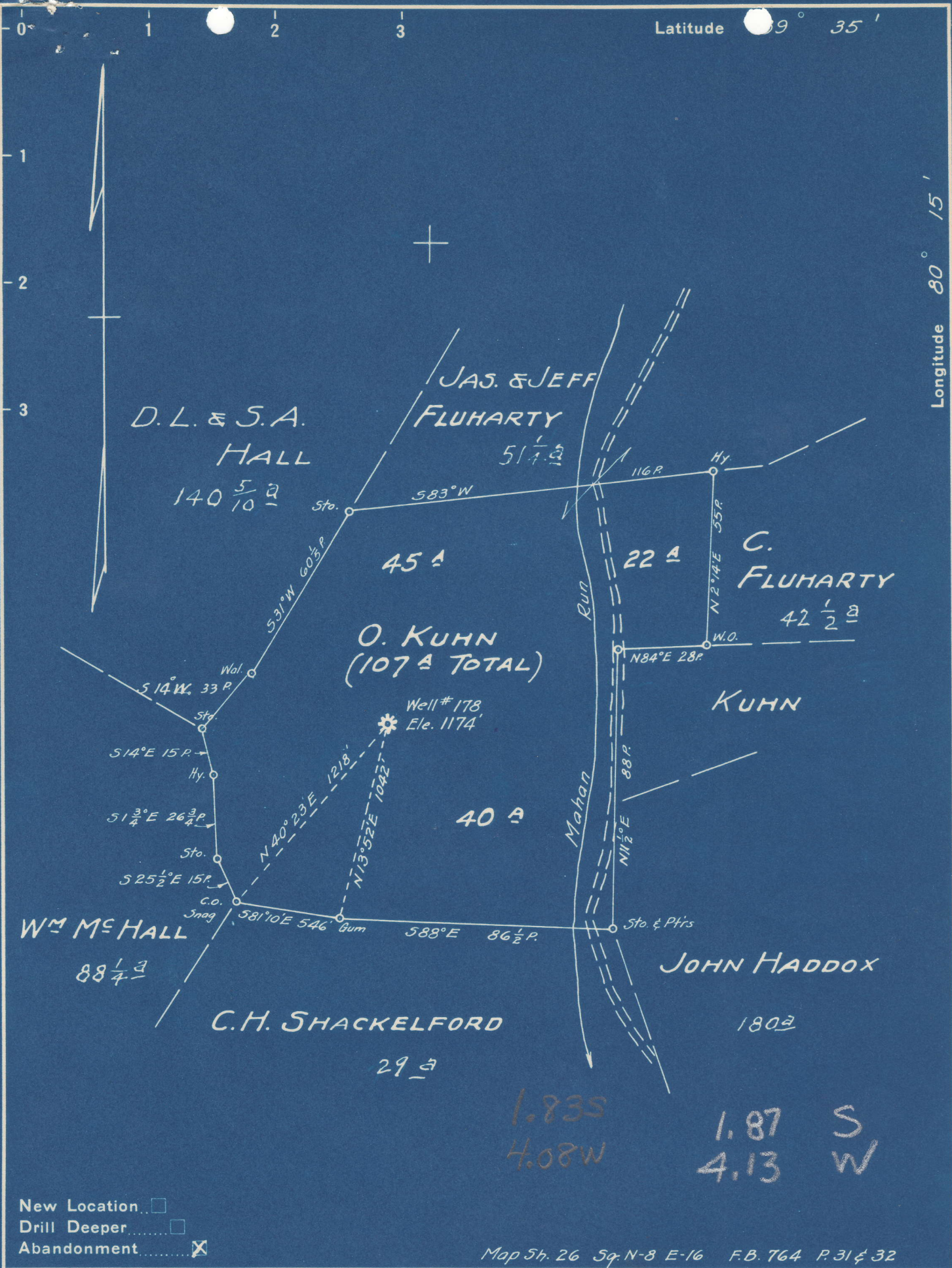
Company _____
 Farm _____
 15' Quad _____
 (sec.) _____
 7.5' Quad Mannington
 District Mannington

WELL LOCATION PLAT

County 049 Permit 30685

Latitude 39° 35'

Longitude 80° 15'



1.835
4.08W

1.87 S
4.13 W

New Location
 Drill Deeper
 Abandonment

Map Sh. 26 Sq. N-8 E-16 F.B. 764 P. 31 & 32

Company Hope Natural Gas Co.
 Address Clarksburg W. Va.
 Farm O. Kuhn
 Tract _____ Acres 45 Lease No. 702
 Well (Farm) No. _____ Serial No. 178
 Elevation (Spirit Level) 1174'
 Quadrangle Mannington SE
 County Marion District Mannington
 Engineer Wm Bowers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 12-2-48 Scale 1" = 40 POLES

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

WELL LOCATION MAP
 FILE NO. MAR-585-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.

"IMPERIAL" TRACING CLOTH
 K & E CO., N. Y.

Mannington District, Marion County, W. Va.

By Hope Natural Gas Co., 445 W. Main St., Clarkburg, W. Va.

Abandoned under permit Mar-.....-A7

On 45 acres.

Elevation, 1174' L.

Drilling commenced Dec. 8, 1894; completed March 5, 1895.

No water recorded.

13" casing, 41'; 10", 197' (pulled); 8", 1216'; 6", 1727'; 5", 2668'
(pulled); liner, 292' (pulled).

Casing not cemented.

Coal was encountered at 585-591 and 668-675'.

Gas well. Abandonment reported to Dept. of Mines Dec. 2, 1948.

Record to RCT from Mrs. Griffith May 21, 1949. Old File No. 682.

| | Top. | Bottom. |
|------------------------------|------|------------|
| Nagletown (Seickley) Coal | 585 | 591 (Est.) |
| Pittsburgh Coal | 668 | 675 |
| Dunkard Sand | 1190 | 1270 |
| Salt Sand | 1470 | 1700 |
| Big Line | 1910 | 1980 |
| Big Injun Sand (gas, 1987') | 1987 | 2090 |
| Fifty-foot Sand (gas, 2640') | 2630 | |
| Gordon Sand (gas, 2910') | 2896 | 2924 |
| Fourth Sand | 2925 | 2961 |
| Total depth | | 3175 |



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

65W

WELL RECORD

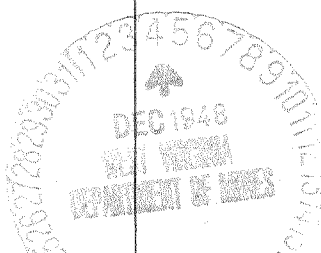
Permit No. 178-A Oil or Gas Well (KIND)

Company Hope Natural Gas Company.
Address 445 West Main St., Clarksburg, W. Va.
Farm O. Kuhn Acres 45
Location (waters) _____
Well No. 178 Elev. 1174
District Mannington County Marion
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced December 8, 1894
Drilling completed March 5, 1895
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.
Fresh water none recorded feet _____ feet
Salt water none recorded feet _____ feet

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|--------------|----------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | 43 | 43 | |
| 10 | 197 | Pulled | Size of |
| 8 1/2 | 1216 | 1216 | |
| 6 5/8 | 1727 | 1727 | Depth set |
| 5 3/16 | 2668 | Pulled | |
| 3 | | | Perf. top |
| 2 | | | Perf. bottom |
| Liners Used | 292 | Pulled | Perf. top |
| | | | Perf. bottom |

CASING CEMENTED _____ NOT _____ SIZE _____ No. Ft. _____ Date _____
COAL WAS ENCOUNTERED AT 585 FEET 60? INCHES
668 FEET 84 INCHES FEET INCHES
FEET INCHES FEET INCHES

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------------|-------|--------------|------|---------|-------------------|-------------|---------|
| Mapletown Coal | | | 585 | 591 Est | | | |
| Pittsburgh Coal | | | 668 | 675 | | | |
| Dunkard | | | 1190 | 1270 | | | |
| Salt sand | | | 1470 | 1700 | | | |
| Big Lime | | | 1910 | 1980 | | | |
| Big Injun | | | 1987 | 2090 | gas | 1987 | |
| Fifty foot | | | 2630 | ? | gas | 2640 | |
| Gordon | | | 2896 | 2924 | gas | 2910 | |
| Fourth | | | 2925 | 2961 | | | |
| Total depth | | | | 3175 | | | |



| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth Found | Remarks |
|-----------|-------|--------------|-----|--------|-------------------|-------------|---------|
| | | | | | | | |

Date December 2, 1948, 19

APPROVED Hope Natural Gas Company, Owner

By _____

(Title) *[Signature]*