

New Location
 Drill Deeper
 Abandonment

75' loc
 1,845 39 2230
 4.725
 1.81 W 80 40
 1.81 W
 kln 9/28/98

Map Sh. 53 S 7 W 5 FB. 932 P-12-13

Company Hope Natural Gas Co.
 Address Clarksburg, W.Va.
 Farm Margt McMillan
 Tract _____ Acres 88 Lease No. 28521
 Well (Farm) No. _____ Serial No. 4081
 Elevation (Spirit Level) 856'
 Quadrangle Centerpoint
 County Doddridge District Grant
 Engineer Wm Powers
 Engineer's Registration No. 900
 File No. _____ Drawing No. _____
 Date 10-31-60 Scale 1" = 40P

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

WELL LOCATION MAP
 FILE NO. DOD-1159-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.



1110

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle CENTERPOINT

Permit No. 1159-A

WELL RECORD

Oil or Gas Well GAS
(KIND)

Company Hope Natural Gas Company
Address Clarksburg, West Virginia
Farm Margaret J. McWillan Acres 88
Location (waters) _____
Well No. 4081 Elev. 856'
District Grant County Doddridge
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____
Drilling commenced Purchased well
Drilling completed No record
Date Shot Not shot From _____ To _____
With _____
Open Flow _____ /10ths Water in _____ Inch
_____ /10ths Merc. in _____ Inch
Volume Exhausted (Old Well) Cu. Ft.
Rock Pressure ?? lbs. _____ hrs.
Oil None recorded bbls., 1st 24 hrs.
WELL ACIDIZED N
WELL FRACTURED No

| Casing and Tubing | Used in Drilling | Left in Well | Packers |
|-------------------|------------------|-----------------|--------------------------|
| Size | | | Kind of Packer |
| 16 | | | |
| 13 | | | |
| 10 | <u>825</u> | <u>None</u> | Size of <u>8x6 6x2</u> |
| 8 1/4 | <u>1056</u> | <u>None</u> | <u>6x2</u> |
| 6 3/8 | <u>1750</u> | <u>1750</u> | Depth set <u>2522 11</u> |
| 5 3/16 | | | <u>2522 11</u> |
| <u>x2 Tubing</u> | <u>2000</u> | <u>None</u> | Perf. top _____ |
| <u>2 Tubing</u> | <u>2599*10"</u> | <u>2599*10"</u> | Perf. bottom _____ |
| Liners Used | | | Perf. top _____ |
| | | | Perf. bottom _____ |

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

COAL WAS ENCOUNTERED AT 387 FEET 36 INCHES
____ FEET _____ INCHES FEET _____ INCHES
____ FEET _____ INCHES FEET _____ INCHES

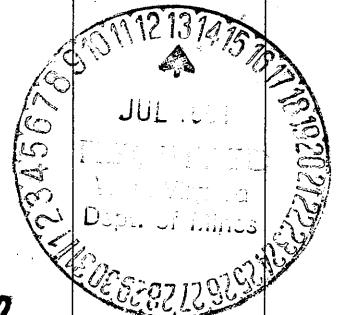
RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water None recorded Feet _____ Salt Water _____ Feet _____

| Formation | Color | Hard or Soft | Top | Bottom | Oil, Gas or Water | Depth | Remarks |
|------------------------|-------|--------------|-------------|-------------|-------------------------------------|-------|---------|
| <u>Pittsburgh Coal</u> | | | <u>387</u> | <u>390</u> | <u>Oil</u> | | |
| <u>Dunkard Sand</u> | | | <u>940</u> | <u>1118</u> | <u>Gas at 958-1020</u> | | |
| <u>Salt Sand</u> | | | <u>1165</u> | <u>1590</u> | <u>Oil at 1200-1230 Gas at 1570</u> | | |
| <u>Maxon Sand</u> | | | <u>1635</u> | <u>1655</u> | <u>Oil at 1485-1550</u> | | |
| <u>Little Line</u> | | | <u>1685</u> | <u>1703</u> | | | |
| <u>Injun Sand</u> | | | <u>1820</u> | <u>1950</u> | <u>Gas at 1883</u> | | |
| <u>Berea Sand</u> | | | <u>2085</u> | <u>2165</u> | <u>Gas at 1893</u> | | |
| <u>Big Line</u> | | | <u>1715</u> | <u>1820</u> | | | |
| <u>Gantz Sand</u> | | | <u>2310</u> | <u>2320</u> | | | |
| <u>Gordon Sand</u> | | | <u>2510</u> | <u>2530</u> | <u>Gas at 2520</u> | | |
| <u>Total Depth</u> | | | | <u>2000</u> | | | |
| <u>Deeper</u> | | | | <u>2587</u> | | | |

587 New



APR 6 1962

