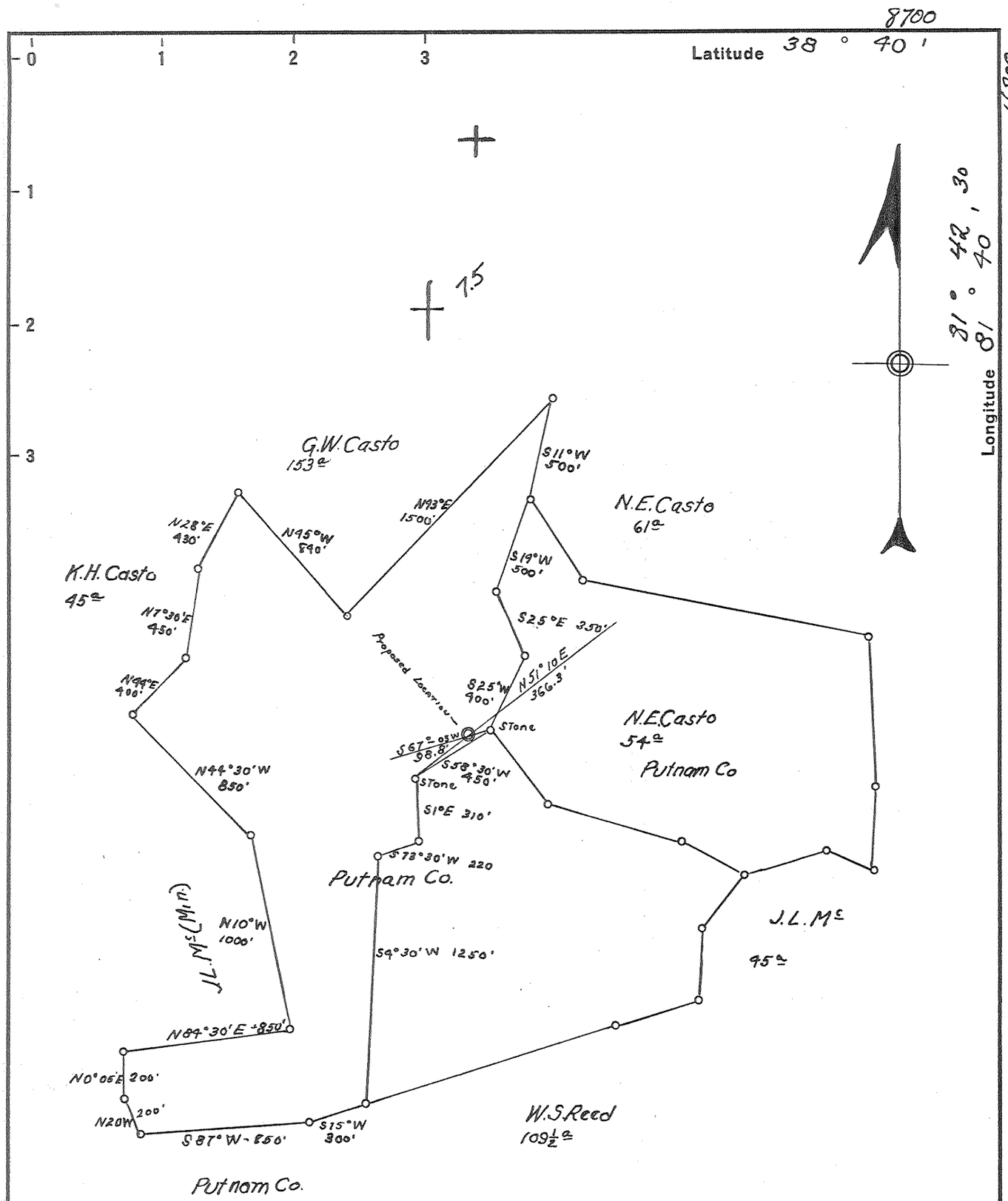



New Location
Drill Deeper.....☐
Abandonment.....☐ Partial Plug + Frac. 6/6/84

Company Cabot Oil & Gas Company of WV
Address P.O. Box 628, Charleston, WV 25322
Farm Putnam Company
Tract _____ Acres 22000 Lease No. 3-464
Well (Farm) No. 35 Serial No. 1070
Elevation (Spirit Level) 969.11
Quadrangle Kenna / Kenna 7.5
County Putnam District Union
Engineer Roy Boston
Engineer's Registration No. _____
File No. _____ Drawing No. _____
Date 10-26-42 Scale 1" = 660

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

# WELL LOCATION MAP

FILE NO. PUT-217-PP-Frac.
Fracture Permit Cancelled

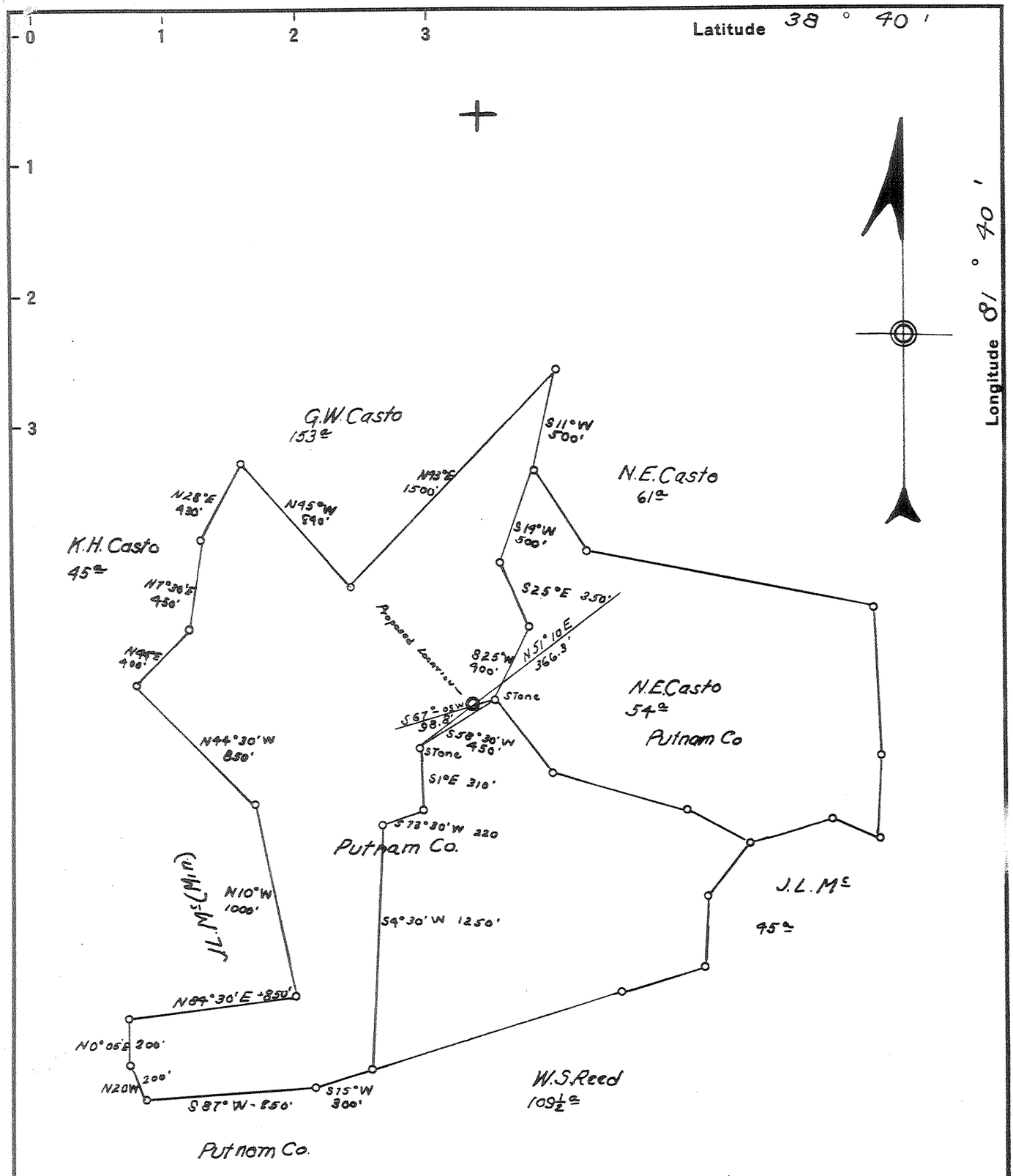
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

JAN 26 1987

— Denotes one inch spaces on border line of original tracing.

Putnam 217 PP-frac.

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




New Location
Drill Deeper ☐
Abandonment ☐ Partial Plug + Frac. 6/6/84

Company Cabot Oil & Gas Company of WV
Address P.O. Box 628, Charleston, WV 25322
Farm Putnam Company
Tract _____ Acres 22000 Lease No. 3-464
Well (Farm) No. 35 Serial No. 1078
Elevation (Spirit Level) 969.11
Quadrangle Kenna
County Putnam District Union
Engineer Roy Boston
Engineer's Registration No. _____
File No. _____ Drawing No. _____
Date 10-26-42 Scale 1" = 660

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

# WELL LOCATION MAP

FILE NO. PUT-217-PP-Frac.

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JUN 11 1984

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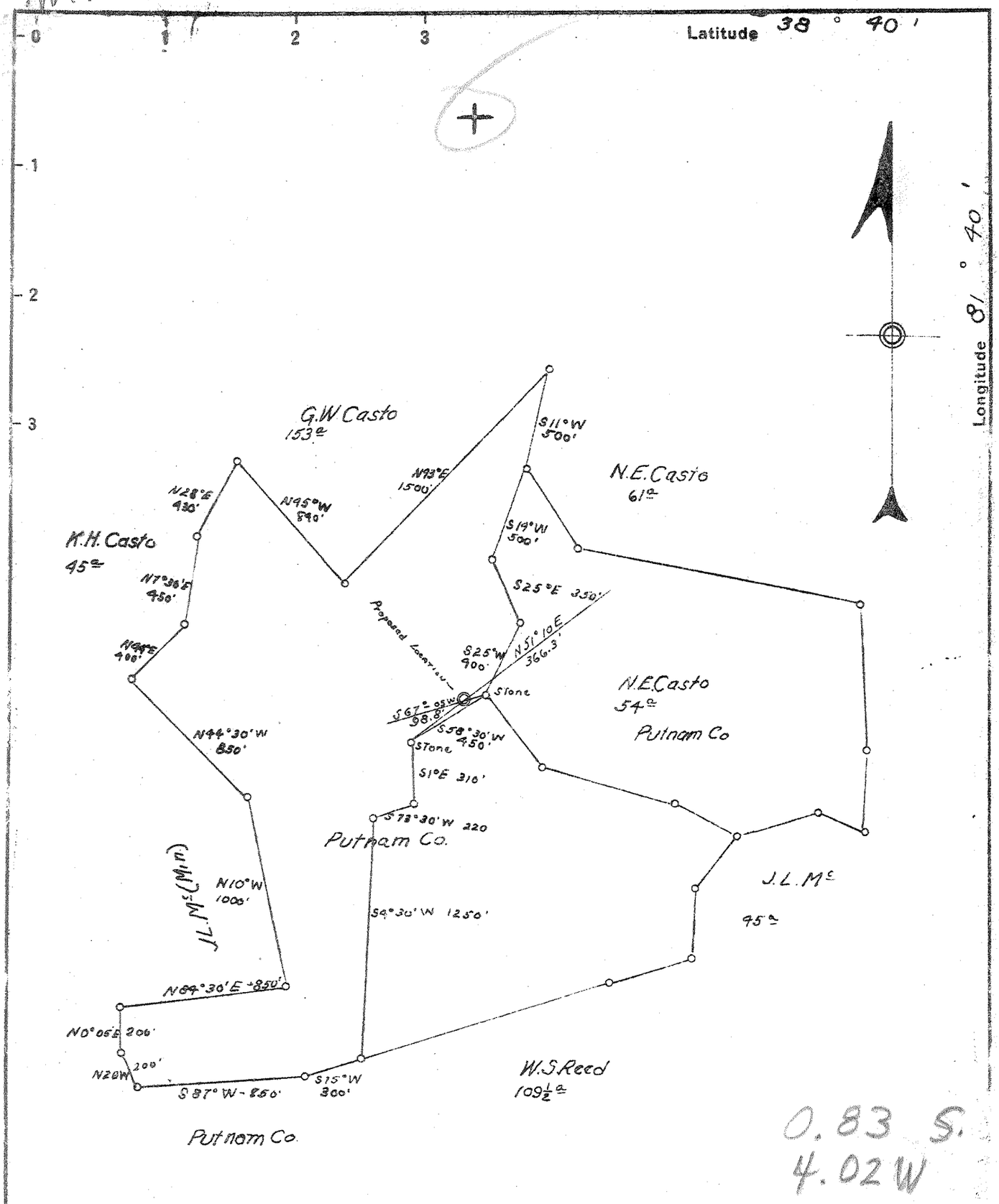
"IMPERIAL" TRACING CLOTH
K & E CO., N. Y.




0.83 S.
4.02 W

New Location ☒
Drill Deeper ☐
Abandonment ☐

Vol. XVI, P. 652

4 NW (I-5)

Company GODFREY L. CABOT, Inc
Address 900 Union Bldg., Charleston
Farm Putnam Company
Tract _____ Acres 22000 Lease No. 3-464
Well (Farm) No. 35 Serial No. 1079
Elevation (Spirit Level) 969.11
Quadrangle Kenna — WC
County Putnam District Union
Engineer Roy Boston
Engineer's Registration No. _____
File No. _____ Drawing No. _____
Date 10-26-42 Scale 1" = 660

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

# WELL LOCATION MAP

FILE NO. PUT-217

+ 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.

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

Deep Well

WEST VIRGINIA DEPARTMENT OF MINES
OIL & GAS DIVISION
W E L L  R E C O R D

Permit No. Put 217
Kenna Quad.
Company — Godfrey L. Cabot, Inc.
Address — Charleston, W.Va.
Farm — The Putnam County  Acres --
Location
Well No — 35 -Ser. 1079  Elev.969
District — Union  Putnam County
Surface
Mineral
Commenced — Jan. 6,1943
Completed — April 10,1943
Date Shot — 4-12-43 Depth 5141 to 5161 with 40 qts.; B.S. 134 M; A.S. 20 mins. 3,033 M

Open flow — 24/10ths M in 4"
Volume — 3,033 M C.F. A.S.
Rock Pressure — 1860 lbs. 29 hrs. Oriskany
Water — 1828,H.F. 1860

Gas Well
CASING & TUBING

| | | |
|---|---|---|
| 10¾ | 1076 | 1076 |
| 8 5/8 | 2257 | |
| 7 | 5064 | 5064 |
| 2 3/8 | 5204 | 5204 |

1/2" casing coupling
8 5/8" B.H.Packer; 28 sacks aquagel
7" O.D. Sp. Oriskany Packer; 40 sacks Aquagel.
Bottom joint welded.
Line pipe as tubing.
Tubed and shut in 5-4-43
Perf. top 5156 bot 5164
" " 5196 5204

| | | |
|---|---|---|
| Soil | 0 | 10 |
| Red Rock | 10 | 90 |
| White Slate | 90 | 115 |
| Red Rock | 115 | 205 |
| Blue Slate | 205 | 450 |
| Red Rock | 450 | 500 |
| White Slate | 500 | 675 |
| Red Rock | 675 | 772 |
| Slate & Shells | 772 | 778 |
| Sand, White | 778 | 808 |
| Red Rock | 808 | 828 |
| White Slate | 828 | 942 |
| Sand, White | 942 | 950 |
| Slate | 950 | 1042 |
| Sand | 1042 | 1052 |
| Slate | 1052 | 1092 |
| Lime | 1092 | 1321 |
| Sand | 1321 | 1368 |
| Slate & Shells | 1368 | 1447 |
| Sand | 1447 | 1497 |
| Slate & Shells | 1497 | 1808 |
| Salt Sand | 1806 | 2036 |
| Black Lime | 2036 | 2051 |
| Slate | 2051 | 2053 |
| Big Lime | 2053 | 2209 |
| Injun | 2209 | 2270 |
| Slate & Shells | 2270 | 2651 |
| Brown Shale | 2651 | 2661 |
| Berea Sand | 2661 | 2682 |
| Slate & Shells | 2682 | 3700 |
| White Slate | 3700 | 3910 |
| Brown Shale | 3910 | 3969 |
| Slate & Shells | 3969 | 4115 |
| Brown Shale | 4115 | 4405 |
| White Slate | 4405 | 4813 |
| Brown Shale | 4813 | 5040 |
| Corniferous Lime | 5040 | 5141 |
| Oriskany Sand | 5141 | 5171 |
| Lime | 5171 | 5182 |
| Sand | 5182 | 5195 |
| Lime | 5195 | 5217 |
| TOTAL DEPTH | | 5217 |

S.L.

Gas 2674'

GAUGES IN ORISKANY SAND B.S.

| | |
|---|---|
| 5142 | 60 M |
| 5153 | 353 M |
| 5157 | 712 M |
| 5159 | 504 M |
| 5164 | 474 M |
| 5169 | 411 M |
| 5171 | 335 M |
| 5215 | 335 M |

GAUGES IN ORISKANY SAND A. S.

| | |
|---|---|
| Before shot | 124 M |
| 5 Mins A.S. | 3,095 M |
| 10 " " | 3,095 M |
| 15 " " | 3,095 M |
| 20 " " | 3,033 M |

PRODUCING SAND RECORD:

Oriskany 5149 to 5151  353 MCF

FORM IV-2(B)
(Obverse)
7-83

FILE COPY

1) Date: May 14, 19 84
2) Operator's Well No. The Putnam Company #35
3) API Well No. 47 - 079 - 0217-PP-FRAC
State County Permit

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

## APPLICATION FOR A WELL WORK PERMIT

4) WELL TYPE: A Oil ____ / Gas X /
B (If "Gas", Production X / Underground storage ____ / Deep ____ / Shallow X /)

5) LOCATION: Elevation: 969.11 Watershed: Eighteen Mile Creek (K-16)
District: Union County: Putnam Quadrangle: Kenna

6) WELL OPERATOR Cabot Oil & Gas Corp. of WV
Address P.O. Box 628
Charleston, WV 25322

7) DESIGNATED AGENT Robert E. Horrell
Address P.O. Box 628
Charleston, WV 25322

8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name Jerry Holcomb
Address Rural Rte. #1 - Box 28
Hamlin, WV 25523

9) DRILLING CONTRACTOR:
Name UNKNOWN
Address

10) PROPOSED WELL WORK: Drill ____ / Drill deeper ____ / Redrill ____ / Stimulate X /
Plug off old formation X / Perforate new formation X /
Other physical change in well (specify) Plug back Oriskany

11) GEOLOGICAL TARGET FORMATION, Huron Shale

12) Estimated depth of completed well, 4500 feet

13) Approximate trata depths: Fresh, N/A feet; salt, ____ feet.

14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes ____ / No ____ /

15) CASING AND TUBING PROGRAM WORKOVER

| CASING OR TUBING TYPE | SPECIFICATIONS Size | Grade | Weight per ft. | New | Used | FOOTAGE INTERVALS For drilling | Left in well | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | 10-3/4" | | 35.75 | | | EXISTING | 1076 | ON SHOE | Kinds |
| Fresh water | 8-5/8" | | 25 | | | EXISTING | 2257 | ON PACKER | |
| Coal | | | | | | | | | Sizes |
| Intermediate | 7" | | 24 | | | EXISTING | 5064 | ON PACKER | |
| Production | | | | | | | | | Depths set |
| Tubing | 2-3/8" | | 3.75 | | | WILL PULL | 5204 | | |
| Liners | | | | | | | | | Perforations: PROPOSED |
| | | | | | | | | | Top 4000 Bottom 4500 |
| | 1-1/2" | | 2.75 | X | | PROPOSED | 4500 | | |

1. Spot cement plug from 5217-5000'. 2. Set permanent bridge plug and calseal @ 4500'.
3. Squeeze cement 7" casing from 4500-3800'.

OFFICE USE ONLY
**DRILLING PERMIT**

Permit number 47-079-0217-PP-FRAC June 6, 19 84
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires June 6, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| Bond: | Agent: | Plat: | Casing | Fee |
|---|---|---|---|---|
| Blanket | MH | MH | MH | 013 034 |

Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator