SEP 24 1985

State Geological Survey
WICHITA BRANCH

JUL 17 1985

TARGET RESOURCES INC.
P.O. Box 34
Piqua, Kansas 66761
Phone (316) 468-2895

30-27s-22E
NE SW NW

James E. Russell Petroleum, Inc.
536 North Highland
Chanute, Kansas 66720

A. Elmer #R-1

Under surface 7/11/85
Completed 7/12/85

Set 20' of 6 5/8" surface pipe
in a 9 7/8" hole
Cemented with 5sks. portland
(7/8/85)

Core #1 555' to 574'
Core #2 574' to 594'

9 7/8" hole from 0-20'
6 1/8" hole from 20'-610'

| | |
|---|---|
| 0-3 | Soil |
| 3-7 | Sandy clay |
| 7-12 | Sandstone |
| 12-50 | Shale |
| 50-72 | Lime |
| 72-135 | Shale |
| 135-178 | Lime |
| 178-232 | Shale |
| 232-252 | Lime (20') |
| 252-259 | Black shale & Coal |
| 259-264 | Lime (5') |
| 264-268 | Black shale |
| 268-335 | Sandy shale |
| 335-376 | Dark shale |
| 376-378 | Lime (2') |
| 378-430 | Dark shale |
| 430-445 | Sandy shale |
| 445-474 | Dark shale |
| 474-486 | Sandy shale |
| 486-548 | Shale |
| 548-551 | Dark shale |
| 551-556 | Sandy shale |
| 556-571 | Dark shale |
| 571-585 | Sand |
| 585-591 | Shale |
| 591-592 | Coal |
| 592-610 | Shale |

Total Depth: 610'

7-12-85

30 27-22E

JAMES E. RUSSELL PETROLEUM, INC.

HEPLER FIELD

ELMER R-1

CORE DESCRIPTION

555.0' - 560.9' - Shale, gray.
560.9' - 569.1' - Shale, black.
569.1' - 570.7' - Shale, gray, slightly sandy.
570.7' - 572.1' - Sandstone, Brown with thin shale laminations.
572.1' - 573.5' - Sandstone, Brown with mica specks, slightly carbonaceous.
573.5' - 574.0' - lost
574.0' - Bottom Core #1.
574.0' - 576.9' - Sandstone, Brown with mica specks, carbonaceous.
576.9' - 579.7' - Sandstone, Brown, shaly containing sandstone streaks with good oil show.
579.7' - 585.3' - Alternating gray Sandstone and gray shale laminations.
585.3' - 591.2' - Shale, gray.
591.2' - 592.1' - Coal
592.1' - 594.0' - Lost.
594.0' - Bottom Core #2

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James E. Russell Petroleum, Inc.
536 North Highland
Chanute, Kansas 66720

30-27-22e

A. Elmer #RW-1

| | |
|---|---|
| 0-2 | Soil |
| 2-18 | Sandy clay |
| 18-20 | Lime |
| 20-63 | Shale. |
| 63-84 | Lime |
| 84-141 | Shale |
| 141-184 | Lime |
| 184-241 | Shale |
| 241-260 | Lime |
| 260-267 | Black shale |
| 267-272 | Lime (5') |
| 272-276 | Black shale |
| 276-365 | Sandy shale |
| 365-387 | Lime (2!) |
| 387-405 | Dark shale |
| 405-415 | Sandy shale |
| 415-439 | Dark shale |
| 439-460 | Sandy shale |
| 460-477 | Dark shale |
| 477-540 | Sandy shale |
| 540-576 | Shale |
| 576-588 | Sand |
| 588-630 | Shale |

Total 630'

Under surface 7/15/85
Completed 7/16/85

Set 20' of 6 5/8" surface pipe in a 9 7/8" hole cemented with 5sks. portland cement (7/12/85)

Run 627' of new 2 7/8" 10thd. pipe

Core #1 573-593½'
(full recovery)

9 7/8" hole 0-20'
6 1/8" hole 20'-630'

SEP 8 0 1985
State Geological Survey
WICHITA BRANCH

July 16, 1985

JAMES E. RUSSELL PETROLEUM, INC.

HEPLER FIELD

ELMER RW-1

30-27S-22E

SW NE NW

CORE DESCRIPTION

573.0'-574.0' - Shale, Black, slightly sandy
574.0' - 575.0' - Shale, Black.
575.0' - 575.7' - Shale, gray, sandy.
575.7' - 577.6' - Sandstone, brown, shaly with thin shale laminations.
577.6' - 583.8' - Sandstone, light brown, bleeding water.
583.8' - 584.2' - Sandstone, light brown with thin shale laminations.
584.2' - 584.5' - Sandstone, good oil show.
584.5' - 585.0' - Sandstone, brown, with gray shale streaks.
585.0' - 588.0' - Sandstone, brown, good oil show.
588.0' - 588.3' - Shale, gray.
588.3' - 588.5' - Sandstone, brown, shaly.
588.5' - 590.0' - Sandstone, gray, shaly.
590.0' - 593.5' - Shale, gray.

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