

DRILLERS LOG

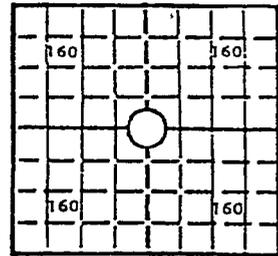
S. 35 T 28 S R. 16 E W

API No. 15 - 205 - 24,606
 County Number

Loc. SW NE NE

County Wilson

640 Acres



Locate well correctly

Operator
Kelt Energy Inc.

Address
700 College Ave. Independence Ks. 67301

Well No. **KCAP 44** Lease Name **Peck Wood field**

Footage Location
 feet from (N) (S) line _____ feet from (E) (W) line _____

Principal Contractor **McPherson Drilling** Geologist _____

Spud Date **8-25-87** Total Depth **1100** P.B.T.D. _____

Date Completed **8-27-87** Oil Purchaser _____

Elev.: Gr. _____

DF _____ KB _____

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-------------|-------|----------------------------|
| SURFACE | 9 1/2 | 7" | 15 | 20' | Portland | 3 | |
| PRODUCTION | 5 1/4 | 2 7/8 | 6.5 | 930.40' | | | |

WELL LOG

waited 1 1/2 hours on loggers

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

| Formation | Top | Btm. | Formation | Top | Btm. | Formation | Top | Btm. |
|----------------|-----|------|------------------------|-----|------|-----------------------|------|------|
| Lime | 0 | 1 | Black Shale | 433 | 471 | 2nd Oswego | 730 | 738 |
| Sand | 1 | 5 | Lime | 471 | 473 | Shale | 738 | 743 |
| Shale | 5 | 13 | Laminated Sand | 473 | 486 | 3rd Oswego | 743 | 747 |
| Lime | 13 | 15 | Black Shale | 486 | 497 | Green Shale | 747 | 750 |
| Grey Shale | 15 | 99 | Lime | 497 | 502 | Laminated oil Sand | 750 | 751 |
| Lime | 99 | 100 | Black Shale | 502 | 513 | Black oil Sand | 751 | 764 |
| Sandy Shale | 100 | 104 | Lime | 513 | 518 | Shaley Sand | 764 | 775 |
| Lime | 104 | 109 | Grey Shale | 518 | 528 | Sandy Shale | 775 | 791 |
| Brown Sand | 109 | 113 | Lime | 528 | 539 | Brown oil Sand | 791 | 798 |
| Grey Sand | 113 | 177 | Green Shale | 539 | 544 | Sandy Shale | 798 | 807 |
| Grey Shale | 177 | 194 | Green Sand | 544 | 552 | Laminated oil Sand | 807 | 834 |
| Black Shale | 194 | 206 | Sandy Shale | 552 | 567 | Brown oil Sand | 834 | 840 |
| Lime | 206 | 209 | Silt Stone | 567 | 581 | Laminated oil Sand | 840 | 846 |
| Laminated Sand | 209 | 218 | Sand | 581 | 593 | Brown oil Sand | 846 | 870 |
| Grey Sand | 218 | 224 | Sandy Shale | 593 | 633 | Grey oil Sand | 870 | 920 |
| Sandy Shale | 224 | 227 | Pink Lime | 633 | 636 | Marl | 920 | 932 |
| Grey Shale | 227 | 229 | Shale Break | 636 | 643 | Black Shale | 932 | 937 |
| Lime | 229 | 267 | Pink Lime | 643 | 665 | Marl | 937 | 939 |
| Black Shale | 267 | 269 | Black Shale | 665 | 685 | Black Shale | 939 | 945 |
| Lime | 269 | 316 | Brown oil Sand | 685 | 692 | Lime | 945 | 948 |
| Grey Sand | 316 | 353 | White Sand | 692 | 693 | Black Shale | 948 | 997 |
| Lime | 353 | 378 | Grey Shale | 693 | 704 | Silt Stone | 997 | 1004 |
| Black Shale | 378 | 383 | Oswego Lime | 704 | 724 | Sandy Shale | 1004 | 1021 |
| Lime | 383 | 433 | Black Shale | 724 | 730 | Shaley Sand | 1021 | 1072 |

