



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

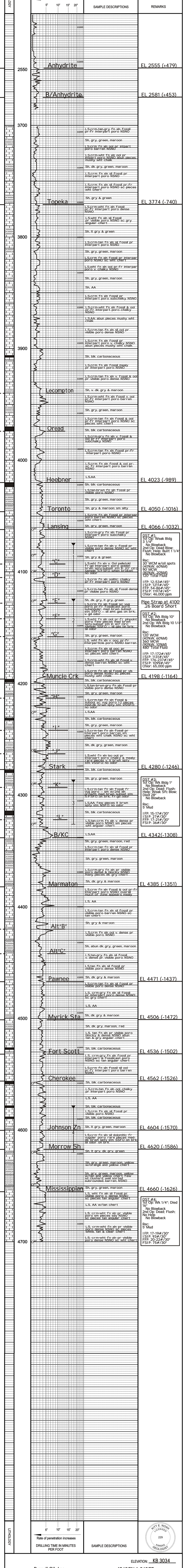
ELEVATION: **KB 3034**
 GR: **3033**
 MEASURED ELEVATION: **KB**
 #15-109-21.212

OPERATOR: **Russell Oil, Inc.**
 LEASE: **Maurath "C"** WELL NO: **#23-1**
 LOCATION: **1540FN & 940FE**
 SEC: **23** TWP: **11S** RNG: **32W**

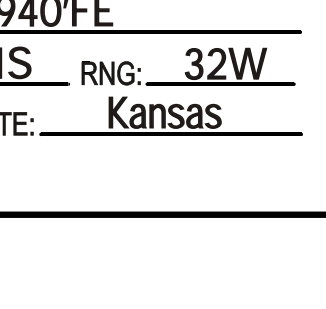
CASING RECORD:
 SURFACE: **8 5/8" set at**
305 W/95 SX
 PRODUCTION: **D&A**

FORMATION TOP DATE DATE

Annhydrite	2555 (+479)	4/7/00	COMPL: 1-23-2014
B/Annhydrite	2581 (+453)	4/7/00	COMPL: 1-23-2014
Heebner	4024 (-989)	3/7/00	COMPL: 1-23-2014
Toronto	4050 (-1016)	3/7/00	COMPL: 1-23-2014
Lansing	4066 (-1032)	3/7/00	COMPL: 1-23-2014
Stark	4280 (-1246)	3/7/00	COMPL: 1-23-2014
B/KC	4342 (-1308)	3/7/00	COMPL: 1-23-2014
Marmaton	4386 (-1352)	3/7/00	COMPL: 1-23-2014
Pawnee	4472 (-1438)	3/7/00	COMPL: 1-23-2014
Cherokee	4562 (-1528)	3/7/00	COMPL: 1-23-2014
Mississippian	4660 (-1626)	3/7/00	COMPL: 1-23-2014
RTD	4700 (-1666)	3/7/00	COMPL: 1-23-2014
LTID	4701 (-1667)	3/7/00	COMPL: 1-23-2014



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 LEASE: **Maurath "C"** WELL NO: **#23-1** SEC: **23** TWP: **11S** RNG: **32W**
 API: **15-109-21.212** FIELD: **Wildcat** COUNTY: **Logan** STATE: **Kansas**



ELEVATION: **KB 3034**