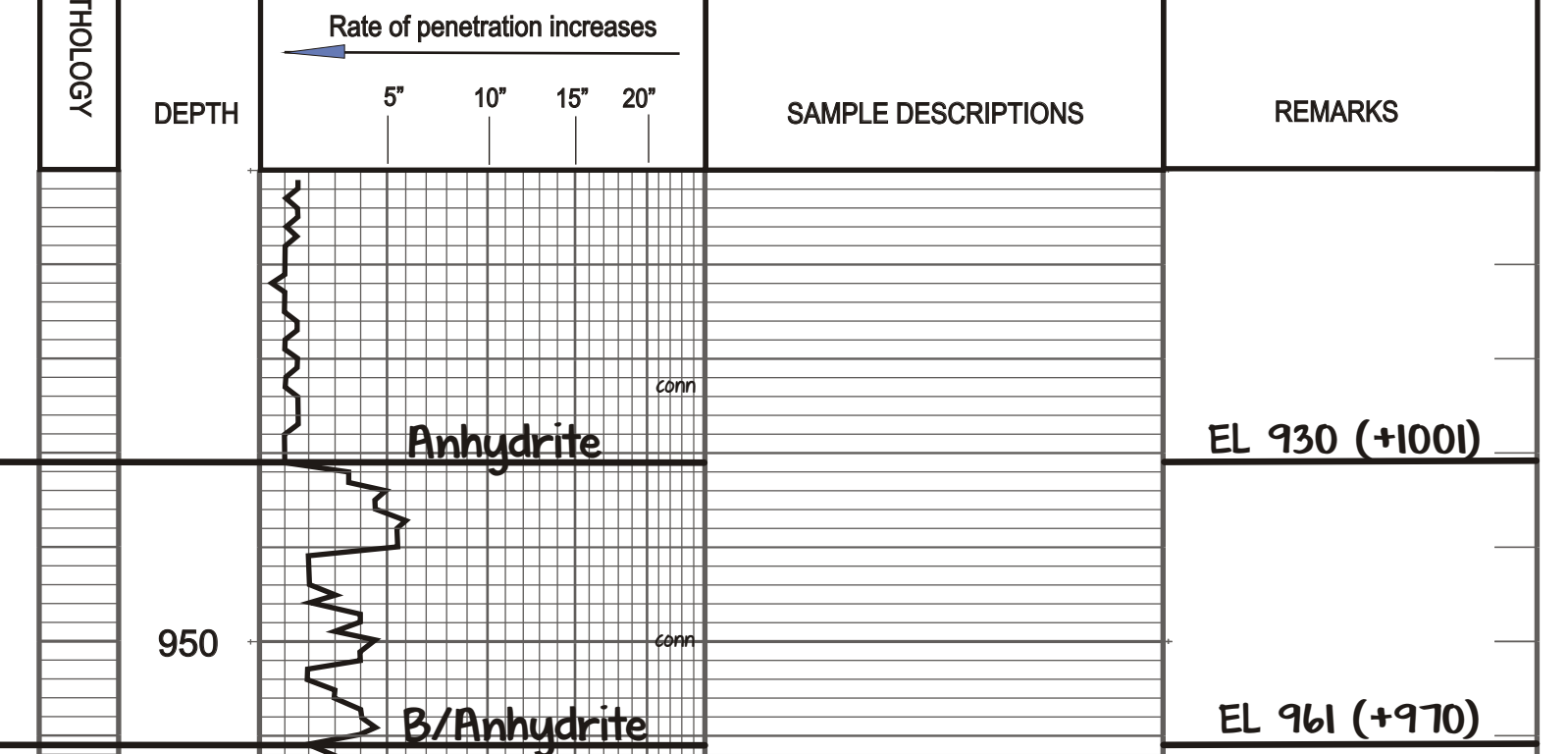


GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: **Russell Oil, Inc.** WELL NO.: **#2-32**
 LEASE: **Steinke** FIELD: **Nuss**
 API: **#15-16-7-23748** LOCATION: **330'FN & 1015'FE**
 COUNTY: **Russell** STATE: **Kansas**
 SEC: **32** TWP: **15S** RNG: **14W**
 CONTRACTOR: **Southland Rig #1**
 COM: **10-3-2011** COM2: **10-15-2011**
 DRILLING TIME SAVERED FROM: **2:55:00** TO: **3:55:00**
 SAMPLES EXAMINED FROM: **2:55:00** TO: **3:55:00**
 GEOLOGICAL SUPERVISION FROM: **2:55:00** TO: **3:55:00**
 MUD UP: **2:36:00** MUD TYPE: **chemical**

FORMATION: **Top Log** Sample: **Structure**
 Anhydrite: **930 (+100)** **931 (+100)** **11A NR**
 B/Anhydrite: **930 (+970)** **931 (+970)** **11A NR**
 Grandhaven: **2500 (-116)** **2501 (-116)** **11A NR**
 Tarkio: **2576 (-645)** **2577 (-645)** **11A NR**
 Elmont: **2638 (-707)** **2639 (-707)** **11A NR**
 Howard: **2777 (-846)** **2778 (-846)** **11A NR**
 Topeka: **2848 (-917)** **2849 (-917)** **11A NR**
 Plattsmouth: **3077 (-1146)** **3078 (-1146)** **11A NR**
 Heebner: **3094 (-1163)** **3095 (-1163)** **11A NR**
 Toronto: **3107 (-1163)** **3108 (-1163)** **11A NR**
 Lansing: **3137 (-1206)** **3138 (-1206)** **11A NR**
 Mun Creek: **3278 (-1347)** **3279 (-1347)** **11A NR**
 B/KC Arbuckle: **3382 (-1451)** **3383 (-1451)** **11A NR**
 R.D. **3460 (-1529)** **3461 (-1529)** **11A NR**



DEPTH	LITHOLOGY	DRILLING TIME IN MINUTES PER FOOT	LEGEND		REMARKS
			Sample Descriptions	Remarks	
930	Anhydrite				EL 930 (+100)
950	B/Anhydrite				EL 961 (+970)
2500	Grandhaven				EL 2506 (-575)
2576	Tarkio				EL 2576 (-645)
2600	Elmont				EL 2638 (-707)
2700	Howard				EL 2777 (-846)
2800	Topeka				EL 2848 (-917)
2900	Plattsmouth				
3000	Heebner				EL 3077 (-1146)
3100	Toronto				EL 3094 (-1163)
3200	Lansing				EL 3137 (-1206)
3300	Mun Creek				EL 3278 (-1347)
3400	B/KC Arbuckle				EL 3382 (-1451)

OPERATOR: **Russell Oil, Inc.** LOCATION: **330'FN & 1015'FE**
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 API: **#15-16-7-23748** FIELD: **Nuss** COUNTY: **Russell** STATE: **Kansas**