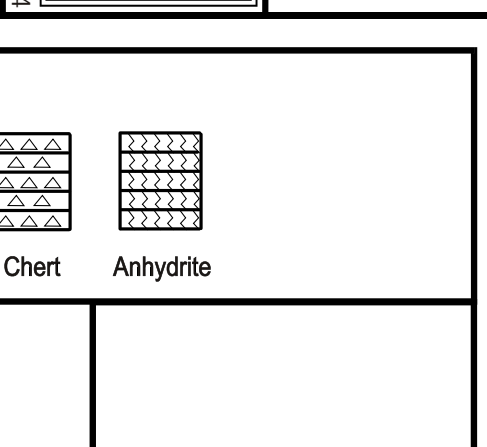




## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG



ELEVATION: KB 3150  
GL: 3139  
MEASURED FROM KB

FORMATION		LOG	CONTRACTOR: H2 Drilling Rig #1
ANHYDRITE	2474 (616)	TOP	COMM: 11-2-2013
B/ANHYDRITE	2492 (638)	DATE	CONP: 11-13-2013
Heebner	3987 (837)	RTD	4870
TORONTO	4004 (854)	SAMPLES SAVED FROM	3700 TO TD
LANSING	4034 (884)	DRILLING TIME SAVED FROM	3700 TO TD
Stark	4316 (1166)	SAMPLES EXAMINED FROM	3700 TO TD
B/KC	4401 (1251)	GEOL. ORICAL SUPERVISION FROM	3820 TO TD
Marmaton	4450 (1300)	MUD W/UP	3450
Pawnee	4534 (1384)	MUD TYPE	chemical
Cherokee	4612 (1462)	DRILL STEAM PRESS. TAKEN	4
MISSISSIPPIAN	4814 (1664)	DRILL BIT	Tri-Blade - Stearns Metabrite
RTD	4870 (1720)	DRILL BIT	Tri-Blade - Stearns Metabrite
LTD	4875 (1725)	DRILL BIT	Tri-Blade - Stearns Metabrite

OPERATOR: Russell Oil, Inc. LOCATION: 2570/FS & 2240/FE  
 LEASE: Carson-Edwards Well No: #1 SEC: 6 TWP: 16S RNG: 34W  
 API: 15-171-20,994 FIELD: American Beauty COUNTY: Scott STATE: Kansas

### LEGEND

