

# GRAND MESA OPERATING COMPANY

(316) 265-3000  
FAX: (316) 265-3455

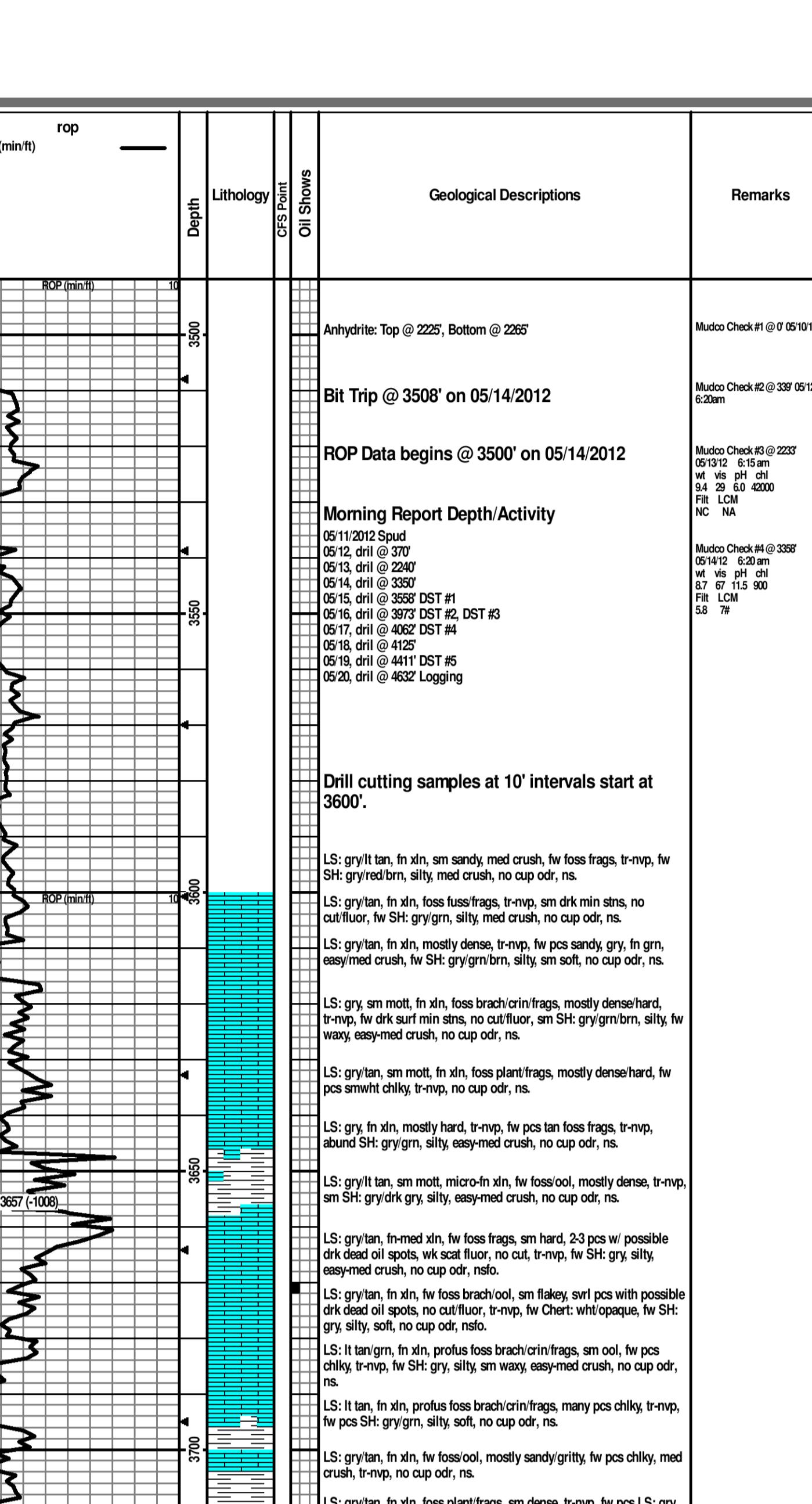
1700 N. WATERFRONT PARKWAY  
BLDG. 600  
WICHITA, KANSAS 67206-5514

## Scale 1:240 (5' = 100') Imperial Measured Depth Log

**Well Name:** #1-17 Q-B  
**Location:** 1477' FNL, 2519' FWL, SECTION 17-11S-26W  
**License Number:** API: 15-063-21990  
**Spud Date:** 05/11/2012  
**Surface Coordinates:** LAT 39.095279  
**Bottom Hole Coordinates:** LONG -100.2319325  
**Ground Elevation (ft):** 2644'  
**Logged Interval (ft):** 3600' To: RTD  
**Formation:** Mississippi at RTD  
**Type of Drilling Fluid:** Chemical  
**K.B. Elevation (ft):** 2649'  
**Total Depth (ft):** 4632'  
**Region:** Gove County  
**Drilling Completed:** 05/20/2012  
 Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

### GEOLOGIST

**Name:** John Goldsmith  
**Company:** John Goldsmith Wellsite Service  
**Address:** 322 Greenwood Ct.  
 Cheney, KS 67025  
 316-640-0236



**Contractor:** Murfin Drilling Company Rig #24  
**Pusher:** Tony Martin  
**Surface Casing:** 6 joints of 8 5/8" set at 252'  
**Production Casing:** 5.25" production casing  
**Mud by:** MudCo  
**DST's by:** Trilobite Testing  
**Logs by:** Weatherford (DIL, CN-CD, ML, CS)  
**RTD=4632'**  
**LTD=4633'**

### FORMATION TOPS

FORMATION	SAMPLE TOPS	LOG TOPS
	Depth Datum	Depth Datum
Queen Hill	3818'	3818'
Heebner Shale	-1169	-1169
Toronto	3872'	-1223
Lansing	-1223	3873'
Muncie Creek Shale	3896'	-1247
Stark Shale	-1247	3898'
Hushpuckney Shale	3914'	-1265
Marmaton	-1265	3915'
Little Osage	4034'	-1385
Upper Fort Scott	-1385	4035'
Excelsior Shale	4106'	-1457
RTD	-1457	4107'
LTD	4130'	-1481
	4196'	4128'
	-1547	-1479
	4366'	-1717
	-1717	4366'
	4380'	-1731
	-1731	4382'
	4400'	-1751
	-1751	4400'
	4632'	-1983
		4633'
		-1984

