

**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: 1-27 RINER
Location: 1333'FNL, 1672'FEL 27-16S-33W, Scott County, Kansas
License Number: API: 15-171-20853 Region: Wildcat
Spud Date: 11-9-2011 Drilling Completed: 11-24-2011
Surface Coordinates: Lat: 38.637855 726969
Long: -100.949745 1300229
Bottom Hole Vertical hole
Coordinates:
Ground Elevation (ft): 3032' K.B. Elevation (ft): 3037'
Logged Interval (ft): 3600' To: RTD Total Depth (ft): 4830
Formation: Mississippian at RTD
Type of Drilling Fluid: Chemical

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

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Grand Mesa
#1-27 Riner

GEOLOGIST

Name: Steven P. Carl
Company: Grand Mesa Operating Company
Address: 1700 N. Waterfront Parkway, Bldg 600
Wichita, Kansas 67206
316-256-3000

COMMENTS

Contractor: Murfin Drilling Company Rig #24
Pusher: Tony Martin
Surface Casing: 8 5/8ths at 221'
Production Casing: None set
Mud by: MudCo
DST's by: Trilobite Testing
Logs by: Weatherford (DIL, CN-CD, ML)
RTD= 4830'
LTD= 4834'
All significant shows of oil were evaluated with Drillstem Tests and found to be non-commercial. This well was plugged 11-24-2011.

FORMATION TOPS

FORMATION	SAMPLE TOPS		LOG TOPS	
	Depth	Datum	Depth	Datum
Stone Corral	2384'	+653	2386'	+651

B/Stone Corral	2406'	+631	2404'	+633
Heebner Shale	3945	-908	3946'	-909
Lansing	3987'	-950	3989'	-952
Muncie Creek Shale	4165'	-1128	4166'	-1129
Stark Shale	4256'	-1219	4258'	-1221
Hushpuckney Shale	4302'	-1265	4303'	-1266
Marmaton	4378'	-1341	4377'	-1340
Upper Fort Scott	4485'	-1448	4485'	-1448
Little Osage Shale	4506'	-1469	4506'	-1469
Excello Shale	4523'	-1486	4523'	-1486
Johnson Zone	4599'	-1562	4601'	-1564
Morrow	4664'	-1627	4666'	-1629
Mississippian	4713'	-1676	4715'	-1678
RTD	4830'	-1793		
LTD			4834'	-1797









