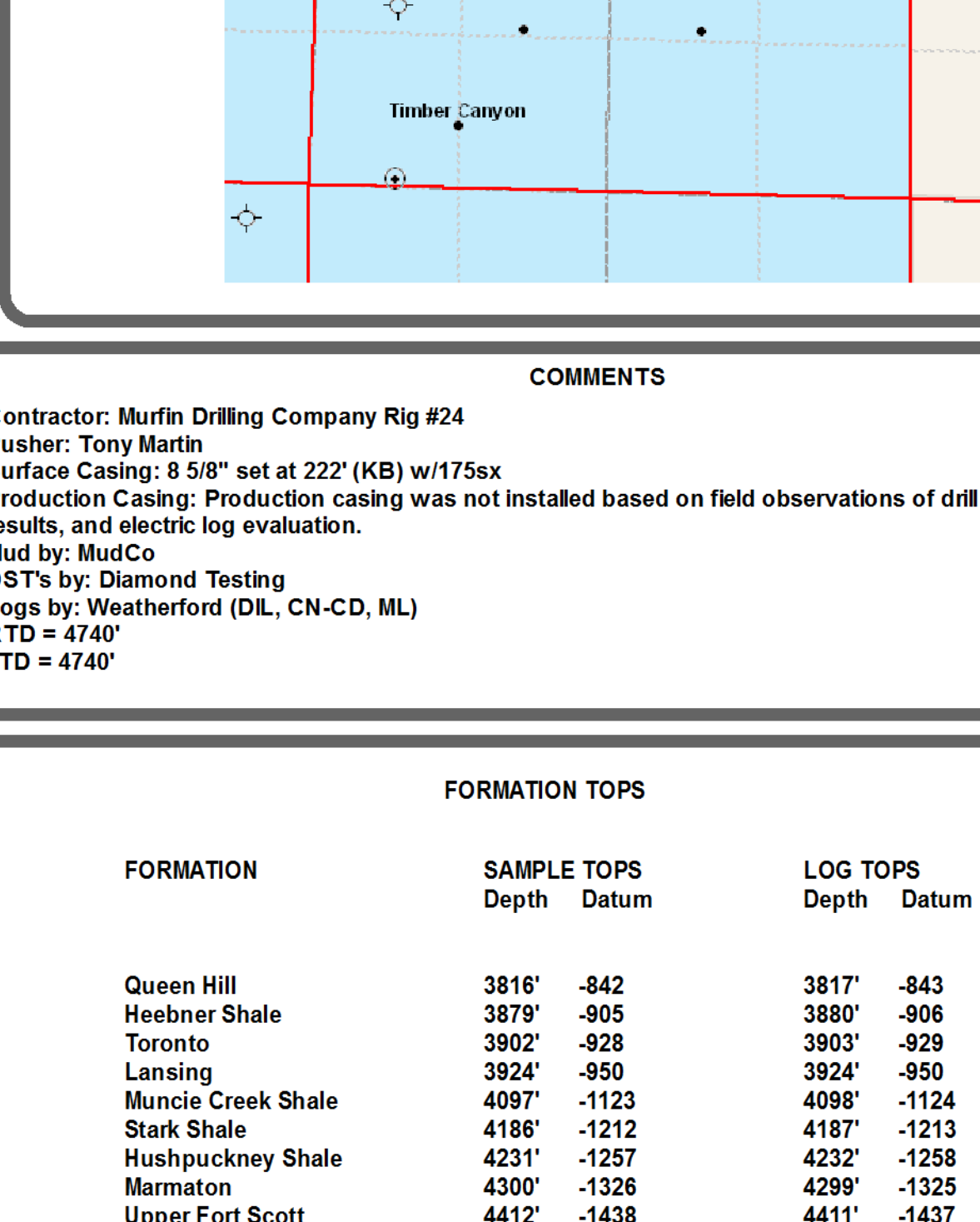


Scale 1:240 (5"=100') Imperial Measured Depth Log

Well Name: DBY #5-16 Location: 1556' FNL, 2119' FEL, 16-16S-33W, Scott County, Kansas License Number: API-15-171-20924 Region: Scott County Spud Date: 01/12/2013 Drilling Completed: 01/21/2013 Surface Coordinates: Lat: 38.6662355 Long: -100.9701646 Bottom Hole: Vertical hole Coordinates: Ground Elevation (ft): 2969' K.B. Elevation (ft): 2974' Logged Interval (ft): 3600' To: RTD Total Depth (ft): 4740' Formation: Mississippian at RTD Type of Drilling Fluid: Chemical Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

GEOLOGIST

Name: Kent R. Matson Company: Matson Geological Services, LLC Address: 33300 W. 15th Street S. Garden Plain, Kansas 67050 316-644-1975

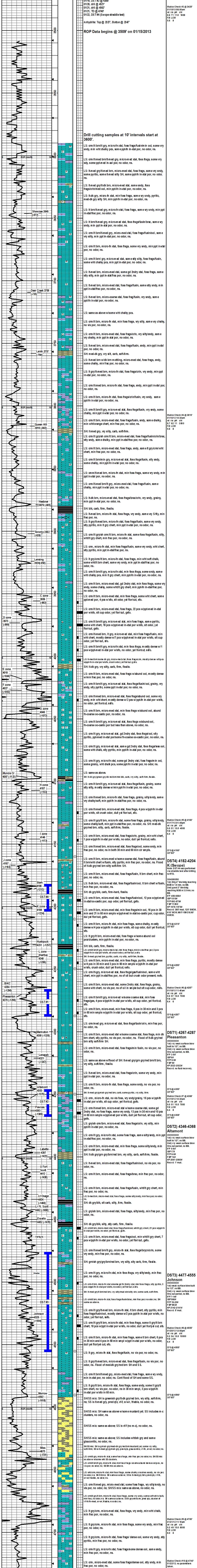


COMMENTS

Contractor: Murfin Drilling Company Rig #24 Pusher: Tony Martin Surface Casing: 8 5/8" set at 222' (KB) w/175sx Production Casing: Production casing was not installed based on field observations of drill cuttings, DST results, and electric log evaluation. Mud by: MudCo DST's by: Diamond Testing Little Osage shale Johnson Zone Morrow Mississippian RTD = 4740' LTD = 4740'

FORMATION TOPS

Table with 4 columns: FORMATION, SAMPLE Depth, Datum, LOG TOPS Depth, Datum. Lists geological formations like Queen Hill, Heebner Shale, Toronto, Lansing, etc., with their corresponding depths.



Mudco Check #1 @ 0' 01/10/13, pending instructions. Mudco Check #2 @ 2442' 01/14/13 10:30am wt vs pH chf 8.3 29 7.0 91000 F# 1501 nic tr. Mudco Check #3 @ 3425' 01/15/13 10:30am wt vs pH chf 8.7 11.5 18 900 F# 151 8.8 8. Mudco Check #4 @ 3815' 01/16/13 10:30am wt vs pH chf 8.7 12 1000 F# 151 8.8 8. Mudco Check #5 @ 4160' 01/16/13 10:30am wt vs pH chf 8.3 11.5 4500 F# 151 8.8 8. Mudco Check #6 @ 4287' 01/18/13 10:30am wt vs pH chf 8.0 57 10.0 7000 F# 151 6.4 6. Mudco Check #7 @ 4368' 01/18/13 10:30am wt vs pH chf 8.0 51 10.5 7500 F# 151 6.4 6. Mudco Check #8 @ 4700' 01/21/13 11:35 AM wt vs pH chf 8.3 49 10.0 8000 F# 151 8.8 8. Mudco Check #9 @ 4700' 01/21/13 11:35 AM wt vs pH chf 8.3 49 10.0 8000 F# 151 8.8 8. Mudco Check #10 @ 4740' 01/21/13; no parameters taken. CF @ 4740' 30"/60". CF 1.5 hrs total to clean hole.

DST(1) 4267-4287 Pleasanton 30303000 151 vrv weak surface blow built to 12"; no BB. 2nd vrv weak surface blow thru-out period, no BB. F# 7-4# F# 8-5# F# 9-1# HP 2021-2022# Recv'd: no fluid recovery. CF @ 4267' 30"/60". DST(1) 4267-4287 Pleasanton 30303000 151 vrv weak surface blow built to 12"; no BB. 2nd vrv weak surface blow thru-out period, no BB. F# 7-4# F# 8-5# F# 9-1# HP 2021-2022# Recv'd: 1' fluid. CF @ 4267' 30"/60". DST(1) 4267-4287 Pleasanton 30303000 151 vrv weak surface blow built to 12"; no BB. 2nd vrv weak surface blow thru-out period, no BB. F# 7-4# F# 8-5# F# 9-1# HP 2021-2022# Recv'd: 1' fluid. CF @ 4267' 30"/60". DST(1) 4267-4287 Pleasanton 30303000 151 vrv weak surface blow built to 12"; no BB. 2nd vrv weak surface blow thru-out period, no BB. F# 7-4# F# 8-5# F# 9-1# HP 2021-2022# Recv'd: 1' fluid. CF @ 4267' 30"/60". DST(1) 4267-4287 Pleasanton 30303000 151 vrv weak surface blow built to 12"; no BB. 2nd vrv weak surface blow thru-out period, no BB. F# 7-4# F# 8-5# F# 9-1# HP 2021-2022# Recv'd: 1' fluid. CF @ 4267' 30"/60".