



WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG
CONSULTANT GEOLOGIST



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

Well Name: LIVINGSTON-KSU #1-26
Location: N/2 NE NE SEC. 26-16S-25W
Licence Number: API:15-135-25870
Spud Date: May 17, 2015
Surface Coordinates: 157' FNL & 330' FWL

Region: Ness Co., KS
Drilling Completed: May 26, 2015

Bottom Hole Coordinates:
Ground Elevation (ft): 2566' K.B. Elevation (ft): 2575'
Logged Interval (ft): 3800' To: RTD Total Depth (ft): 4605'
Formation: Mississippi
Type of Drilling Fluid: Chemical Premix (Displaced)

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

OPERATOR:

Company: Larson Engineering Inc.
Address: 562 West State Road 4
Olmits, KS 67564-8561

DRILLING CONTRACTOR:

H. D. Drilling, LLC, Rig #3 (Co. Tools)

DP 4.5" XH (16.6#); DC 6-1/4" x 2-3/8" x 556', Kelly 40.30', Tool Joint 5.5" ; Bit: JZ-HA20Q, 7-7/8", standard jets 15-15-15; rpm 80, WOB 35k; Kelly Bushing 9' above ground level; LeWayne "Lew" Tresner (tool pusher).

CASING:

Set 8-5/8" casing at 254'

CIRCULATION SYSTEM:

Continental EMSCO D-300, duplex, 6 x 14, 60-62 spm, Chemical, premix, earth pits, Mud Co., Service Mud, Inc., Jason Whiting.

OPEN HOLE LOGS:

DN, DI (SP) (Run-1); ML (Run-2); No Sonic; 5" detail LTD-3600; 2" DI to surface casing; LogTech-Pioneer Wireline, Hays, KS, J. Hendrickson, Log total depth (4603') was two feet high to rotary total depth (4605').

DRILL STEM TEST #1:

Upper Ft. Scott: Interval: 4400-4430 (30'): Blow: weak, surface IFP, no RB, no blow 2nd open; 5-15-15-30; Recovery: 1' mud; HP: 2216-2185; SIP: 31-28; FP: 23-25, 26-25; BHT: 117 F; Trilobite Testing, Inc., Scott City, KS, Bradley "Walt" Walter.

DRILL STEM TEST #2:

Lower Ft. Scott: Interval: 4432-4447 (15'): Blow: weak incr. to 1/2" IFP, no RB, surface blow FFP, no RB; Times: 5-15-30-60; Recovery: 20' mud w/oil spots; HP: 2191-2132; SIP: 603-648; FP: 12-16, 17-22; BHT: 116 F; Trilobite Testing, Inc., Scott City, KS, Bradley "Walt" Walter.

DRILL STEM TEST #3:

Mississippi Dolomite: Interval: 4484-4535 (51'): Blow: weak incr. to 1-1/2" IFP, no RB, weak incr to 1-1/2" in 10 min and 5" in 30 min FFP, no RB; Times: 5-15-30-60; Recovery: 100' GIP, 140' TF; Grindout: 70' gassy oil (15%G, 85%O, grav 39), 70' HOCM (10%G, 40%O, 50%M), no water; HP: 2242-2185; SIP: 871-874; FP: 18-36, 41-73; BHT: 123 F; Trilobite Testing, Inc., Scott City, KS, Bradley "Walt" Walter.

