



Geologist's Report

Company: LD Drilling, Inc
Lease: McCune #3-18
Field: Burnyan Northeast
Surface Location: SW-SW-NE-NE (1031' FNL & 1150' FEL)
Sec: 18 Twp: 25S Rge: 12W
County: Stafford State: Kansas
GL: 1901' KB: 1906'

Contractor: H2 Drilling Co., Rig #1
Spud: 5/29/15 Comp: 6/4/14
RTD: 4290' LTD: 4289'
Mud Up: +- 3100' Mud Type: Chemical Displaced

Drilling Time Kept From: 3200' to RTD

Samples Saved From: 3200' to RTD

Samples Examined: 3200' to RTD

Geological Supervision: 3500' to RTD

Geologist on Well: Kurt Talbott

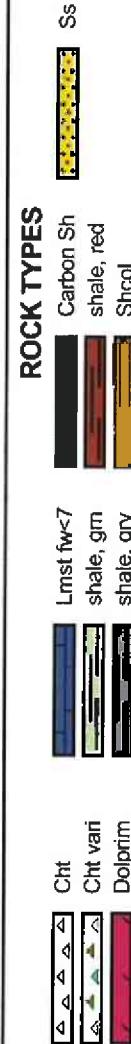
Surface Casing: 8 5/8" @ 232'

Production Casing: 5 1/2" @

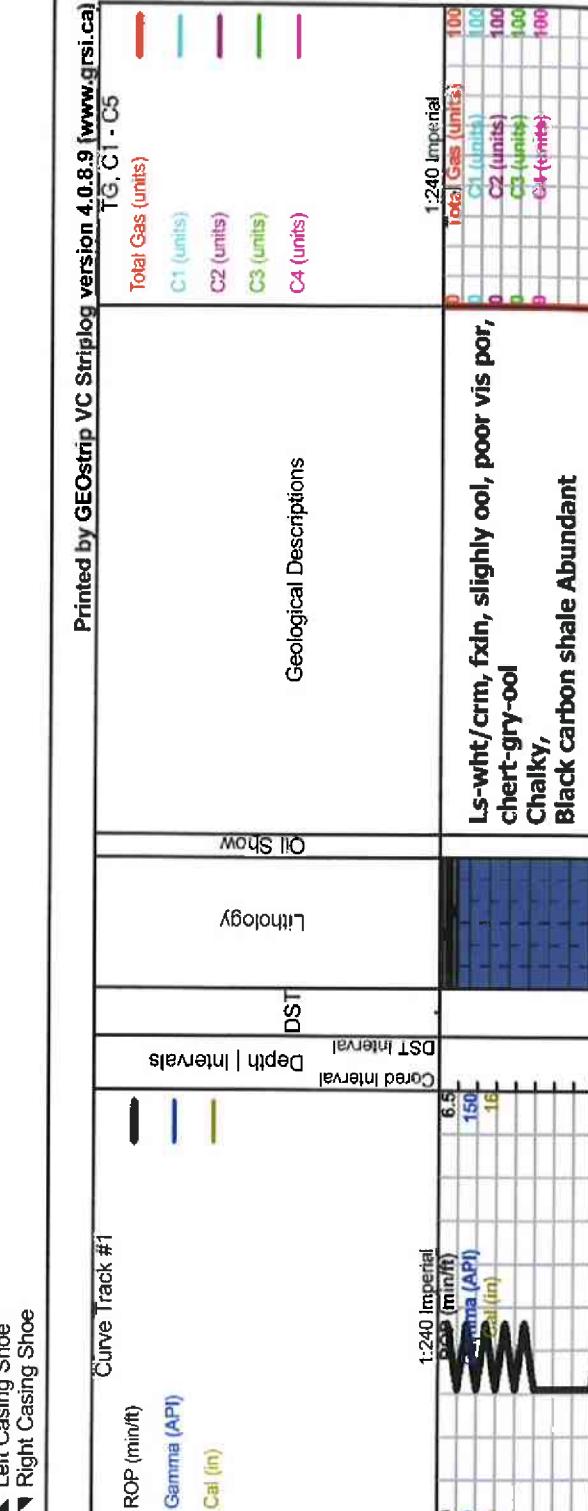
Wireline Logs: By Nabors: CNL/CDL, DIL

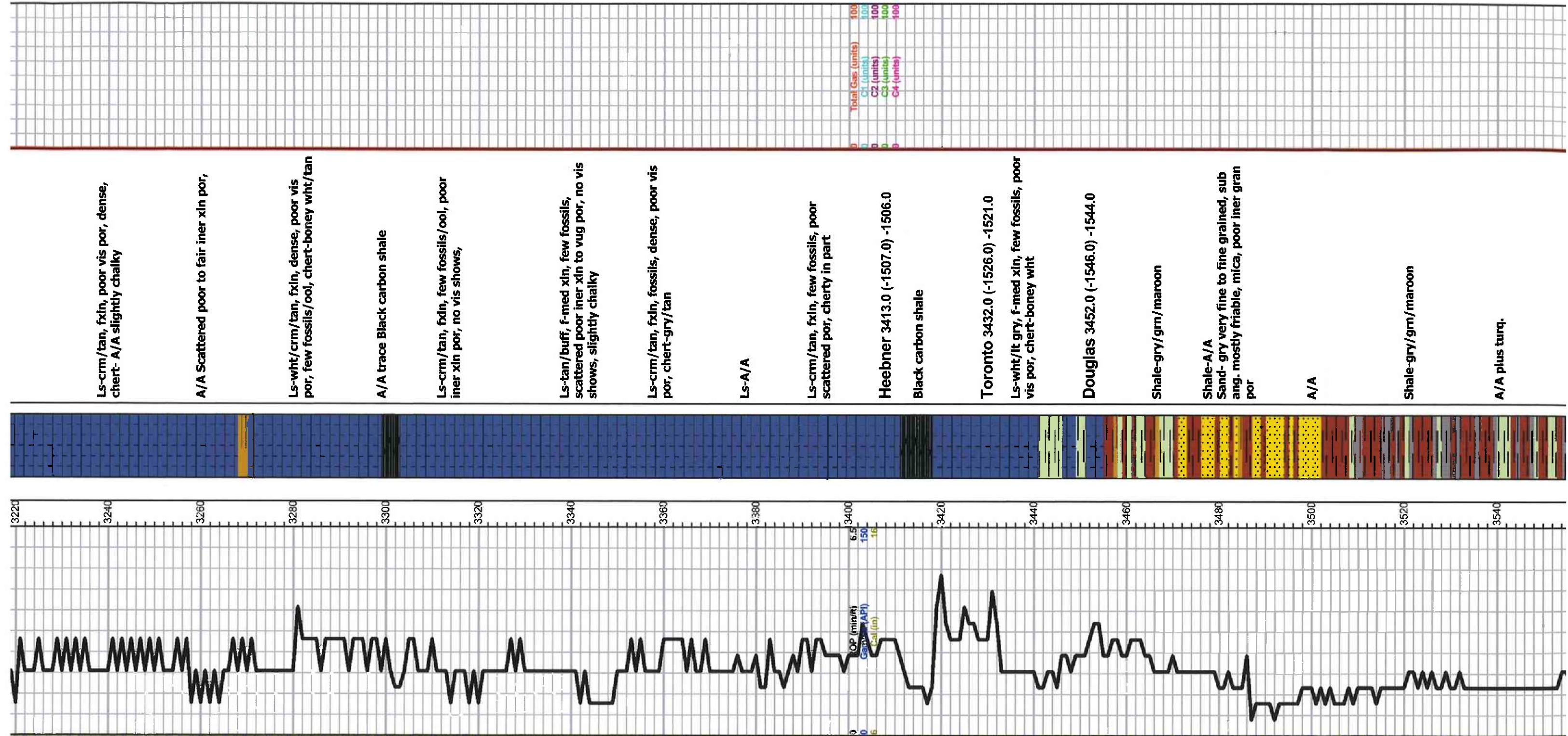
Well Comparison 25

FORMATION	MCCUNE 3-18		MCCUNE 2-18	
	Log	Log SS	Log	SS
ANHYDRITE			747	1158
BASE ANHY			761	1144
TOPEKA			3074	-1169
HEEBNER	3412	-1506	3403	-1498
TORONTO	3427	-1521	3420	-1515
DOUGLAS	3450	-1544	3441	-1536
BROWN LIME	3566	-1660	3564	-1659
LANSING	3587	-1681	3582	-1677
BASE KC	3876	-1970	3871	-1966
VIOLA	4002	-2096	4005	-2100
SIMPSON SHALE	4096	-2190	4103	-2198
ARBUCKLE	4192	-2286	4168	-2263
TOTAL DEPTH	4288	-2383	4308	-2403



OTHER SYMBOLS





A/A

Brown Lime 3568.0 (-1662.0) -1660.0**Ls-gry/buff, fxln, dense, poor vis por,****Lansing 3590.0 (-1684.0) -1681.0****Ls-whit/crm, fxln, slightly ool, poor scattered inner xln por, chalky, no vis shows****Ls-crm/wht, fxln, ool, poor ppt to inner xln por, scattered dark brown strns, TrSFO, chalky****Ls-crm/wht, fxln, ool, dense, poor vis por****Ls-crm/tan, fxln, ool, poor to fair oom por, dark brown stains, SFO, faint odor****Ls-crm/wht/tan, fxln, ool, poor scattered inner xln por, dark brwn to blk strns, TrSFO****Ls-crm/tan, fxln, ool/fossils, scattered inner ool to oom por, dark brown stains, SFO, odor****Ls-crm/tan, fxln, ool/fossils, scattered oom por, dark brown to blacks stains, TrSFO, faint odor****Ls-crm/tan, fxln, ool, oom por, chalky no vis shows,****Ls-crm/tan, fxln, ool, scattered oom por, chalky, chert-tan/crm****Ls-crm/wht, fxln, ool, oom, trace dark brown stains, TrSFO, faint odor****Ls-crm/wht, fxln, ool, oom, scattered inner part. por, trace stains, TrSFO, faint odor Shale- gry/gm****Ls-crm/tan, fxln, ool oom por, dark brown to black stains, TrSFO, faint odor, Shale- gry/gm****Ls-crm/tan, fxln, ool, oom por, golden to dark brown stains, SFO, odor****Shale-gry/brwn****Ls-crm/tan, fxln, ool, poor vis por, slightly chalky, Shale- A/A****Ls- A/A****Black carbon shale****Ls-crm/tan, fxln, ool, dense, poor vis por, cherty in part Shale-gry/maroon abundant stains NSFO,****Base KC 3881.0 (-1975.0) -1970.0****Ls and Shale A/A**