

Geologist's Report

Company: American Warrior, Inc.

Lease: Bertrand #2-26

Field: Cook South

Location: NW-SE-SE-NW

Sec: <u>26</u> Twsp: <u>11S</u> Rge: <u>33W</u>

County: Logan State: Kansas

GL: <u>3109</u> KB: <u>3117</u>

Contractor: <u>Duke Drilling Company Rig #8</u>

Spud: <u>2/18 /14</u> Comp: <u>2/27/14</u>

RTD: <u>4740</u> LTD: <u>4740</u>

Mud Up: 3400' Type Mud: Chemical/Displaced

Samples Saved From: 3700' to RTD

Drilling Time Kept From: 3700' to RTD

Samples Examined From: 3700' to RTD

Coological Supervision From: 3050' to RTD

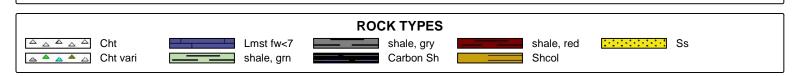
Geological Supervision From: 3950' to RTD

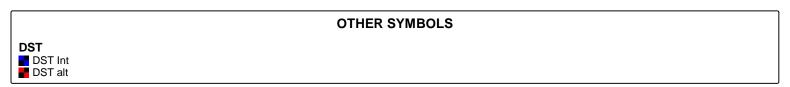
Geologist on Well: Kurt Talbott

Surface Casing: 8 5/8" @ 320'

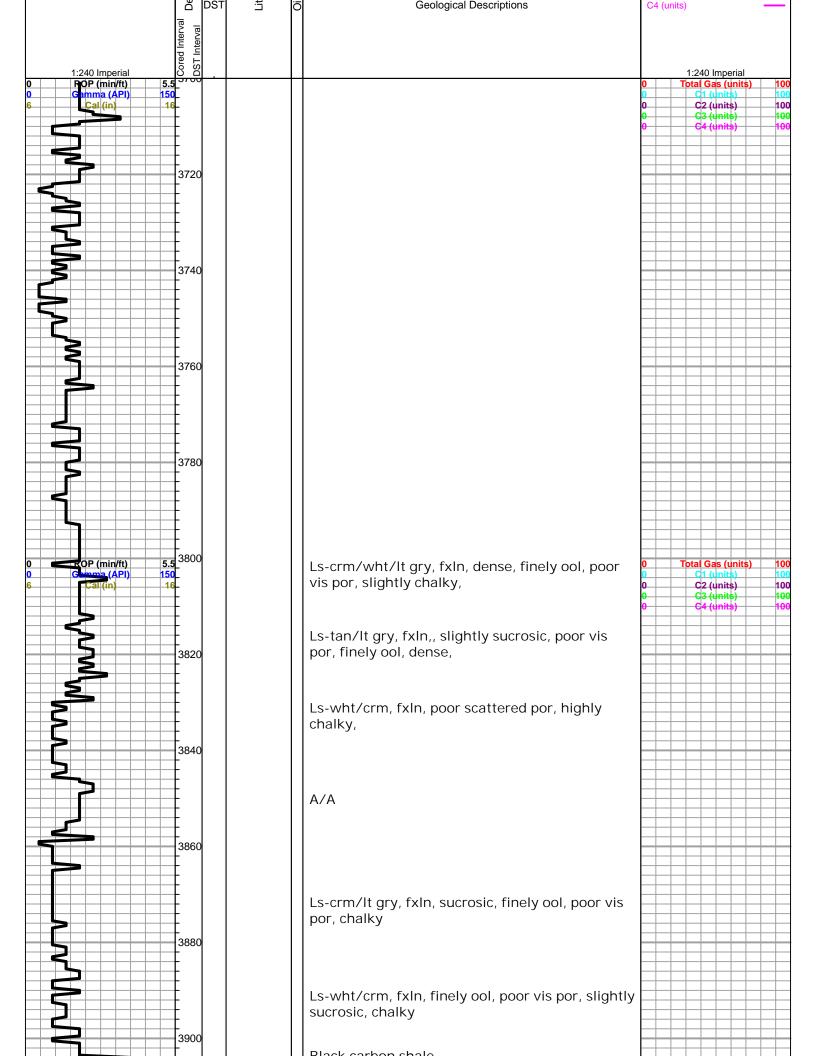
Production: None

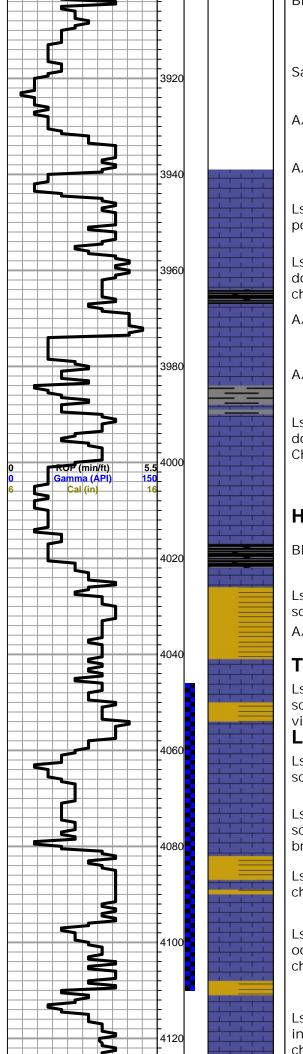
Logs: By Pioneer: CNL/CDL, DIL, MEL











Sand-gry, friable, well rounded, poor vis por,

A/A Ls- crm/wht, fxln, poor vis por, chalky

A/A

Ls- wht/crm, fxln, finely ool, slightly sucrosic, poor vis por, chalky, Sand- A/A Chert-crm/gry

Ls-crm/tan/It gry, fxIn, sucrosic, slightly dolomitic, poor scattered por, no vis shows chalky, chert-crm/gry

A/A Trace black carbon shale

A/A

Ls-crm/tan, -f-med xln, sucrosic, slightly dolomitic, poor scattered por, Chalky- chert-crm/tan

Heebner 4016.0 (-899.0)4018.0 (-901.0)

Black carbon shale

Ls-tan/gry, fxln, dense, scattered ool/fossils, scattered poor por, slightly chalky A/A Shale-brown/red soft

Toronto 4042.0 (-925.0)4048.0 (-931.0)

Ls-crm/wht/tan, fxln, few fossils/ool, poor scattered iner xln por to sub oom por, chalky, no vis shows,

Lansing 4054.0 (-937.0)4060.0 (-943.0)

Ls-crm/tan/lt gry, fxln, slightly ool, dense, poor scattered poor por, chalky, no vis shows

Ls-crm/tan/wht, fxIn, highly ool, dense, poor scattered iner xIn to iner ool por, spotty dark brown to black stains, NSFO, no odor, chalky

Ls-tan/It gry, fxIn, ool, dense, poor vis por, cherty in part, slightly pyritic in part,

Ls-wht/It gry, fxIn, ool, fair ppt to iner xIn por, ool, dark brown stains, SFO, fair odor, slightly chalky

Ls- crm/tan/wht, fxln, slightly ool, dense, cherty in part, poor vis por, chert-tan/crm, slightly chalky

	Tota	al Gas	(units) 10	00
		C1 (un	its)	1 1	00
		C2 (un	its)	1	00
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DST #1 4047-4109 30-45-30-60 IF: BOB 2 min ISI: No return

Recovery: 288' MW (50w/50m) 248' MCW (80w/20m) 1364' MCW

(95w/5m)

Pressures: ISIP 1215 psi FSIP 1217 psi IFP 166-625 psi FFP 612-900 psi HSH 2034-1972 psi

