

# **Geological Report**

American Warrior Inc.  
Esplund C,D,E #4-19  
330' FSL & 480' FEL  
Sec. 19 T30S R23W  
Clark County, Kansas

James Dilts  
Geologist

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**American Warrior, Inc.**

## General Data

Well Data: American Warrior Inc.  
Esplund C,D,E #4-19  
SE-SE-SE  
330' FSL & 480' FEL  
Sec. 19 T.30S R.23 W.  
Clark County, Kansas  
API # 15-025-21, 405-0000

Drilling Contractor: Murfin Drilling Co.

Spud Date: 3/04/2007

Rotary TD Date: 3/18/2007

Rotary TD: 5647'

Elevation: 2416' Ground Level  
2427' Kelly Bushing

Casing: Surface 690' 8 5/8" 24# surface casing set at  
708' w/ 325 sx Common  
Production 5375' 5.5" 15.5# @5351' w/150 sx  
SMD

Samples: 10' wet and dry, 4300' to RTD

Drilling Time: 4300' to RTD

Electric Logs: DIL/CDL//BHCS/CNL

Drillstem Tests: Three

Problems: None

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## Formation Tops

### Esplund C,D,E 4-19

Heebner	4350'-1923
Brown Lime	4503'-2076
Lansing	4524'-2097
Base KC	5002'-2575
Marmaton	5018'-2591
Pawnee	5101'-2674
Ft Scott	5130'-2703
Morrow Sd	5286'-2859
St Louis	5378'-2951

DST 1: Pawnee

Interval: (5096'-5110') Anchor Length 14'

I.F. Weak Surface Blow	IF 21-36#
I.S.I No Blow	ISI 1470#
F.F Weak Surface Blow	FF 14-198#
F.S.I No Blow	FSI 1442#

Recovery: 275' M %gas %oil %w 100%M

DST 2: Morrow

Interval: (5260'-5320') Anchor Length 60'

I.F Weak to Fair Blow	IF 21-27#
I.S.I No Blow	ISI 110#
F.F Weak Blow	FF 32-33#
F.S.I No Blow	FSI 90#

Recovery: 250' GIP  
60' GCM 16%gas %oil %w 84%m

DST 3: Mississippi

Interval: (5550'-5586') Anchor Length 36'

I.F Strong Blow 6"	IF 25-104#
I.S.I No Blow	ISI 1750#
F. F. Strong Blow	FF 120-177#
F.S.I No Blow	FSI 1706#

Recovery: 429' GIP  
186 WCM %gas %oil 24%w 76%m

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243' WCM      %gas %oil 40%w 6%m

Summary: Due to structural position and log information, the decision was made to case the Esplund C,D,E #4-19 for further evaluation.

Respectfully Submitted,

James F Dilts

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