Perf-Tech
Wireline Services

Company	OIL COMPANY OF AMERICA, INC.
Well	TS LEADER #A1
Field	LEADER EAST
County	ELLIS
State	KANSAS

Date: 08-Aug-2013
Run No: 1
Depth Reference: KB
Elevation: 2000 ft
Permanent Datum: GL
Log Measured From: KB
Drilling Measured From: KB
Casing Shoe: 1000 ft
Bottom Log Interval: 3000 ft
Top Log Interval: 1000 ft
Casing Size: 8 5/8 in
Casing Weight: 23 lb/ft
Casing Type: Surface
Casing Fluid: Water
Bottom Hole Temp: 100 F
Max Rec Temp: 100 F
Max Rec Time: 1 hr
Max Rec Press: 0 psi
Rec Method: Flow
Rec Quality: Good
Recorded By: D. Kennedy
Witnessed By: Mr. Ryan Ireland

Tool Type: Gamma Ray Neutron
Tool Serial No: 1108 / 1009
Tool Length: 12 ft
Tool Diameter: 3.5 in
Tool Weight: 150 lb
Tool Position: Eccentered
Tool Pressure: 1000 psi
Tool Temperature: 150 F
Tool Fluid: Water
Tool Fluid Density: 8.3 lb/gal
Tool Fluid Viscosity: 1 cp
Tool Fluid Resistivity: 0.2 Ohm-m
Tool Fluid Salinity: 300000 ppm
Tool Fluid Level: Full
Tool Status: Operational
Calibration Date: 01-Jan-2013
Calibration Method: Pre-Log Field Check
Calibration Results: Within Specs
Calibration Comments: Pre-Log Field Check Within Specs

GAMMA RAY NEUTRON CCL LOG

OIL COMPANY OF AMERICA, INC.
TS LEADER #A1
LEADER EAST
ELLIS KANSAS
SEC. 36 - 15S - 19W
GL 2000 ft
KB 2010 ft
DF
API # 15-051-26003-0000
Date 08-Aug-2013
Run Number 1
Depth Driller 3000 ft
Depth Logger 3000 ft
Bottom Logged Interval 3000 ft
Top Log Interval 1000 ft
Casing Driller 1000 ft @ 0 ft
Casing Logger 1000 ft
Bit Size 7 7/8 in
Type Fluid WATER
Density / Viscosity 8.3 lb/gal
PH / Fluid Loss
Source of Sample
Rm @ Meas Temp
Rmf @ Meas Temp
Rmc @ Meas Temp
Source Rmf / Rmc
Rm @ BHT
Time Since Circ. 1 hr
Max Rec Temp 100 F
Equipment - Location
Recorded By D. Kennedy
Witnessed By Mr. Ryan Ireland

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

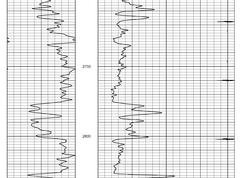
Comments

THANK YOU FOR USING
PERF-TECH WIRELINE SERVICES, INC.
785-628-3069

DIRECTIONS: HAYS, KS.
SOUTH on HWY 183 to NORFOLK Rd.,
2 1/4 EAST, SOUTH and EAST into

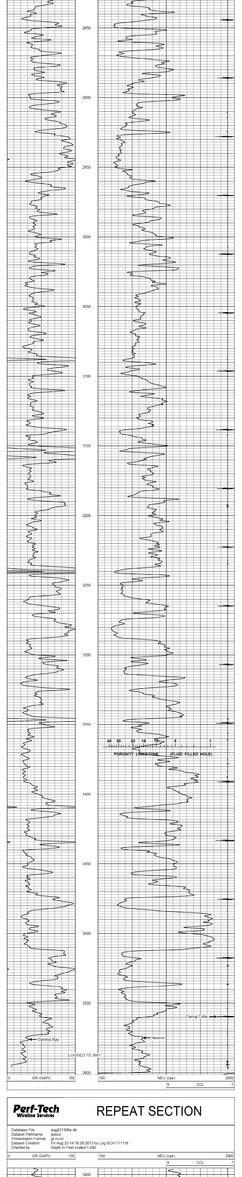
ANHYDRITE

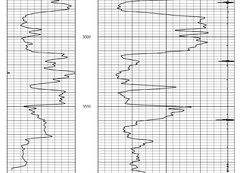
Database File: aug2713We.db
Dataset Pathname: pass1
Presentation Format: gr-ccl
Dataset Creation: Fri Aug 23 14:43:36 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240



MAIN PASS

Database File: aug2713We.db
Dataset Pathname: pass1
Presentation Format: gr-ccl
Dataset Creation: Fri Aug 23 14:22:33 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240



REPEAT SECTION

Database File: aug2713We.db
Dataset Pathname: pass1
Presentation Format: gr-ccl
Dataset Creation: Fri Aug 23 14:18:29 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240