Perf-Tech Wireline Services

Company	EMPIRE ENERGY E&P, LLC.
Well	WHEELL-WERK #1
Field	WILDCAT
County	DUBUQUE
State	KANSAS
Location	330 FSL & 330 FEL
Section	34
Township	12 S
Range	19 E
Elevation	KB: 1,000 GL: 1,000
Date	10-Oct-2012
Run No.	ONE
Depth Reference	KB
Depth Datum	KB
Depth Datum Elevation	KB: 1,000
Depth Control	FULL STRING
Logging Method	1 STRING
Logging Unit	5
Logging Engineer	DAVID HAMILTON
Operator Witness	NONE
Max Recorded Temp.	105
Max Recorded Pressure	1,000
Bottom Hole Temp.	105
Bottom Hole Pressure	1,000
Fluid Level	FULL
Fluid Density	8.4
Fluid Viscosity	28
Fluid Resistivity	0.1
Fluid Temperature	70
Fluid Loss	NONE
Rig Name	DUKE #5
Drilling Contractor	DUKE DRILLING CO.
Bit Size	7 7/8
Type Fluid in Hole	FRESH WATER GEL
Max Deviation	0.75
Interval	0 - 1,000
Casing 1	8 5/8 @ 20
Casing 2	
Tool Type	DSN
Tool Number	1329
Tool Position	CENTER
Logged Interval	0 - 1,000
Log Type	INITIAL
Log Number	1
Run Time	1
Time Circulation Ceased	10:00
Time Logger on Bottom	11:00
Recorded By	DAVID HAMILTON
Witnessed By	MR. DAVID HAMILTON

Perf-Tech Wireline Services

DSAL RECEIVER
COMPENSATED
LOG

Company: EMPIRE ENERGY E&P, LLC.
Well: WHEELL-WERK #1
Field: WILDCAT
County: DUBUQUE STATE: KS
Location: 330 FSL & 330 FEL
Section: 34 Township: 12 S Range: 19 E
Other Services: NONE
Elevation: KB: 1,000 GL: 1,000
Permanent Datum: KB Elevation: 1,000
Log Measured From: KB 0 Above Perm. Datum
Drilling Measured From: KB
Date: 10-Oct-2012
Run No.: ONE
Type Log: INITIAL
Depth Driller: 1,000
Depth Logger: 1,000
Bottom Logged Interval: 1,000
Top Logged Interval: 0
Type Fluid in Hole: FRESH WATER GEL
Density: 8.4 Viscosity: 28
Max Rec. Temp.: 105 Equip. Location: 5
Recorded By: DAVID HAMILTON
Witnessed By: MR. DAVID HAMILTON

Comments

THANK YOU FOR USING
PERF-TECH WIRELINE SERVICES, INC.
785-628-3969

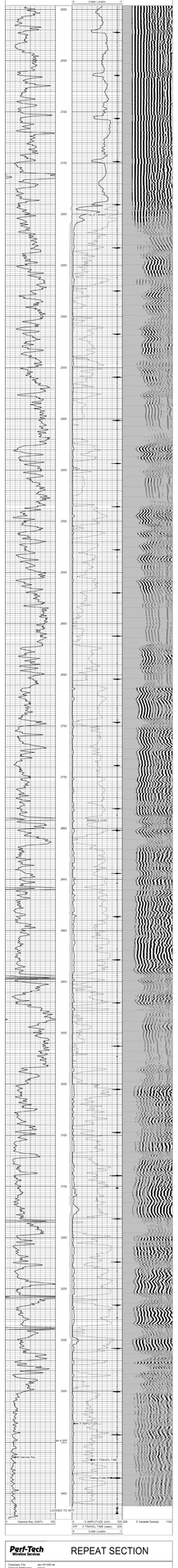
DIRECTIONS: DUBUQUE, KS.
2 EAST, 12 NORTH,
WEST into

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 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 forth in our current Price Schedule.

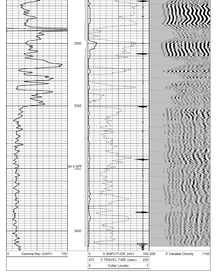
MAIN PASS

Perf-Tech Wireline Services

Database File: dev 081006 ddn
Dataset Name: main
Presentation Format: ppm
Dataset Creation: Wed Dec 19 08:39:05 2012 by Log SCH 111116
Charted by: Depth only scaled 1:240



REPEAT SECTION

Perf-Tech Wireless Services

Database File: dev 081006 ddn
Dataset Name: repeat
Presentation Format: ppm
Dataset Creation: Wed Dec 19 08:51:05 2012 by Log SCH 111116
Charted by: Depth only scaled 1:240