Company	BUSSENDE PETROLEUM CORP
Well	BUSSENDE #1
Field	WILDCAT NORTH
County	HANSTON
State	KANSAS
Location	330 FNL 2310 FEL SEC 12 T24S R21E
Elevation	KB 2300 DF 2298 GL 2295
Date	20-Jan-2009
Run No.	ONE
Depth Reference	KB
Depth Datum	KB
Drilling Fluid	Water
Max Temp	110
Max Deviation	1.5
Time Since Circ.	12 hrs
Time Logged	20-Jan-2009
Recorded By	T. Hanks
Witnessed By	Mr. Bussende

DUAL INDUCTION-SFL DENSITY-NEUTRON-PE LOG

SCHLUMBERGER WELL SERVICES

Schlumberger assumes no responsibility for the accuracy or correctness of the interpretations and not liable or responsible for any loss or damages whatsoever or per-mit or authorize anyone to act on such interpretations, and 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 officers, agents or employees. These interpretations are also subject to our standard terms and conditions as set out in our current price schedule.

COMMENTS

THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS:
HANSTON, KS. ON 183, 22E TO 183 W, 2N, TO "B0", 22E, 1 1/2N, E INTO

MAIN SECTION

Dual Induction-SFL Log
Calibrated Pulthenaer: pass 2
Calibrated Caliper: 8.75 in
Dataset Location: Main Log 2100-3410 (2310)
Checked by: Depth in Feet scaled 1:240

GAMMA RAY (GAPI)	0(GR)	100(GR)	0	COMPENSATED DENSITY (pu)	40
CALIPER (IN)	10 (CL)	20 (CL)	0.2	COMPENSATED NEUTRON (pu)	-0.2
MINISP	10 (TENS)	0	PE	10	0.2
	0 (BS)	10	CORRECTION (gm/c)	0.2	

REPEAT SECTION

Dual Induction-SFL Log
Calibrated Pulthenaer: pass 2
Calibrated Caliper: 8.75 in
Dataset Location: Main Log 2100-3410 (2310)
Checked by: Depth in Feet scaled 1:240

GAMMA RAY (GAPI)	0(GR)	100(GR)	0	COMPENSATED DENSITY (pu)	40
CALIPER (IN)	10 (CL)	20 (CL)	0.2	COMPENSATED NEUTRON (pu)	-0.2
MINISP	10 (TENS)	0	PE	10	0.2
	0 (BS)	10	CORRECTION (gm/c)	0.2	

Calibration Report

Database File	10dbtab.db
Dataset Pathname	pass4
Dataset Creation	Wed Aug 30 10:10:31 2017 by Log SCC 12/4/00

Dual Induction Calibration Report

Serial-Model PEX-DSI-DLL
Calibration Date Mon Jul 31 10:10:15 2017
Dummyload Cal Performed Mon Jul 31 12:12:30 2006
After Survey Verification Performed Mon Jul 31 12:12:31 2006

Surface Calibration:

	Readings			References			Results	
Loop:	mv	Loop	mv	Loop	mv	Loop	m	b
Deep:	-0.014	0.429	V	0.000	400.000	mmho/m	430.000	0.000
Medium:	0.000	0.429	V	0.000	400.000	mmho/m	975.000	-44.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep:	0.000	0.092	V	0.000	400.000	mmho/m	447.00	0.000
Medium:	0.000	0.092	V	0.000	400.000	mmho/m	455.000	0.000

Downhole Calibration:

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Deep:	0.000	0.000	mmho/m	0.000	0.000	mmho/m	1.000	0.000
Medium:	0.000	0.000	mmho/m	192.307	704.600	mmho/m	1.000	0.000
		0.000	mmho/m		1000.000	mmho/m		
		0.000	V		20.000	Ohm-m		
		1.200	V		400.000	mmho/m		

After Survey Verification:

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m	b
Deep:	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium:	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
SFL:		0.000	Ohm-m		20.000	Ohm-m		
		1.000	mmho/m		1.000	mmho/m		

Lab's Density Calibration Report
Serial: 002 Model: PPB

Weather Calibration: Performed Wed Aug 29 11:27:42 2017

	Background	Magnesium	Aluminum	Sandstone	
Window 0:	837.1	14543.3	3347.1	12103.1	cps
Window 1:	772.0	9417.4	2573.1	10307.0	cps
Window 2:	1.0	1.0	1.0	1.0	cps
Window 3:	0.0	427.1	1451.2	1811.2	cps
Long Ratio:	0.1	6347.4	1134.1	3425.1	cps
Short Ratio:	0.0	1.0	1.0	1.0	cps
Rho:		1.7000	2.7000	2.6500	g/cc
Pe:		1.000	4.000	2.000	barn/e
Rb Angle:	45.0	Rb Slope:	1.109	Density Gain Factor:	0.558
Spine Angle:	15.0	Spine Slope:	1.000	Spine Intercept:	10.0

Before Survey Verification: Performed Wed Dec 31 19:00:00 1969

Window 0:	0.0	0.0	0.0	0.0	cps
Window 1:	0.0	0.0	0.0	0.0	cps
Window 2:	0.0	0.0	0.0	0.0	cps
Window 3:	0.0	0.0	0.0	0.0	cps
Long Ratio:	0.0	0.0	0.0	0.0	cps
Short Ratio:	0.0	0.0	0.0	0.0	cps
Measured Correction		0.0000	0.0000	0.0000	gm/c
Measured Pe			0.0000	0.0000	

After Survey Verification: Performed Wed Dec 31 19:00:00 1969

Window 0:	0.0	0.0	0.0	0.0	cps
Window 1:	0.0	0.0	0.0	0.0	cps
Window 2:	0.0	0.0	0.0	0.0	cps
Window 3:	0.0	0.0	0.0	0.0	cps
Long Ratio:	0.0	0.0	0.0	0.0	cps
Short Ratio:	0.0	0.0	0.0	0.0	cps
Measured Correction		0.0000	0.0000	0.0000	gm/c
Measured Pe			0.0000	0.0000	

Compensated Neutron Calibration Report

Serial Number	070808
Tool Model	PNDB

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	n/a		
Long Space	n/a	pu	pu

POST-SURVEY VERIFICATION

Detector	Readings	Measured	Target
Short Space	n/a		
Long Space	n/a	pu	pu

Gamma Ray Calibration Report

Serial Number	070808
Tool Model	GRSCLNP
Calibration Date	Wed Aug 30 09:10:12 2017
Calibration Value	1.0 GAPI
Background Reading	0.0 cps
Calibration Reading	1.0 cps
Sensitivity	0.2800 GAPI/cps