Halliburton

Wireline & Perforating

Customer: Hess Corporation
Well: Stampede
Job Type: Perforating
Date: 10-Jan-2017
Service Order: 10000000000

Customer Representative: Jeff Hall
Halliburton Engineer: Jeff Hall
Halliburton Operator: Jeff Hall

Well Information

Well Name	Stampede
Operator	Hess Corporation
Rig Name	Stampede
Rig Type	Platform
Rig Number	
Well Type	Oil
Well Status	Producing
Max Angle	90
Max Angle @ Depth	10,000
Max Dogleg	10
Max Dogleg @ Depth	10,000
Bottom Hole Temp	250
Bottom Hole Temp @ Depth	10,000
Bottom Hole Pressure	5,000
Bottom Hole Pressure @ Depth	10,000
Fluid Type	Oil
Fluid Density	8.5
Fluid Level	0
Fluid Level @ Depth	0
Surface Temp	70
Surface Pressure	14.7

Casing

Casing	Size	Weight	Grade	Top	Bottom
Casing 1	9.625	47	P-110	0	10,000
Casing 2	7	29	P-110	0	10,000
Casing 3	5.5	20	P-110	0	10,000
Casing 4	4.5	13.5	P-110	0	10,000
Casing 5	3.5	9.3	P-110	0	10,000
Casing 6	2.875	6.5	P-110	0	10,000
Casing 7	2.375	4.7	P-110	0	10,000
Casing 8	1.9	2.75	P-110	0	10,000

Tubing

Tubing	Size	Weight	Grade	Top	Bottom
Tubing 1	4.5	12.6	P-110	0	10,000
Tubing 2	3.5	9.3	P-110	0	10,000
Tubing 3	2.875	6.5	P-110	0	10,000
Tubing 4	2.375	4.7	P-110	0	10,000
Tubing 5	1.9	2.75	P-110	0	10,000

Perforating Gun

Gun	Size	Weight	Grade	Top	Bottom
Gun 1	4.5	12.6	P-110	0	10,000
Gun 2	3.5	9.3	P-110	0	10,000
Gun 3	2.875	6.5	P-110	0	10,000
Gun 4	2.375	4.7	P-110	0	10,000
Gun 5	1.9	2.75	P-110	0	10,000

Perforating Charge

Charge	Size	Weight	Grade	Top	Bottom
Charge 1	4.5	12.6	P-110	0	10,000
Charge 2	3.5	9.3	P-110	0	10,000
Charge 3	2.875	6.5	P-110	0	10,000
Charge 4	2.375	4.7	P-110	0	10,000
Charge 5	1.9	2.75	P-110	0	10,000

Perforating Shot

Shot	Size	Weight	Grade	Top	Bottom
Shot 1	4.5	12.6	P-110	0	10,000
Shot 2	3.5	9.3	P-110	0	10,000
Shot 3	2.875	6.5	P-110	0	10,000
Shot 4	2.375	4.7	P-110	0	10,000
Shot 5	1.9	2.75	P-110	0	10,000

Perforating Interval

Interval	Size	Weight	Grade	Top	Bottom
Interval 1	4.5	12.6	P-110	0	10,000
Interval 2	3.5	9.3	P-110	0	10,000
Interval 3	2.875	6.5	P-110	0	10,000
Interval 4	2.375	4.7	P-110	0	10,000
Interval

Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.007	0.643	V

Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	0.703	499.163	mmho
Conductivity Reading:	0.000	0.000	V
Short Normal Reference:	0.000	20.000	Ohm-m
Short Normal Reading:	0.005	0.214	V

Results:	Gain	Offset
Loop Conductivity:	783.886	-4.674
Downhole Correction:	1.000	0.000
Short Normal Resistivity:	95.281	-0.432

After Survey Verification	Internal Zero	Internal Cal	
Conductivity Reading:	0.000	0.000	V
Conductivity Result:	0.000	0.000	mmho
Short Normal Reading:	0.000	0.000	V
Short Normal Result:	0.000	0.000	Ohm-m

Compensated Density Calibration Report

Serial-Model:	901-2.75POH
Source / Verifier:	/
Master Calibration Performed:	Mon Apr 11 08:32:53 2011
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	946.97	539.23	cps
Aluminum	2.590	g/cc	172.50	282.94	cps

Spine Angle = 69.26 Density/Spine Ratio = 0.483

	Size		Reading	
Small Ring	8.00	in	2.47	V
Large Ring	17.00	in	4.50	V

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

After Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Neutron Calibration Report

Serial Number:	802	
Tool Model:	2.75POH	
Performed:	Mon Apr 11 11:07:23 2011	
Calibrator Value:	700	NAPI
Calibrator Reading:	1000	cps
Sensitivity:	0.7	NAPI/cps

Gamma Ray Calibration Report

Serial Number:	801	
Tool Model:	2.75POH	
Performed:	Mon Apr 11 11:07:52 2011	
Calibrator Value:	200.0	GAPI
Background Reading:	8.0	cps
Calibrator Reading:	264.7	cps
Sensitivity:	0.5500	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			None	0.75	1.50	5.00
GR	29.58		GR-2.75POH (801) Probe 2.75" Probe Open Hole Gamma Ray	3.73	2.75	43.00
NEU	24.04		NEU-2.75POH (802) Probe Epithermal	4.75	2.75	58.00
			CDL-2.75POH (901) Probe	8.43	2.75	106.00
LSD	16.21					
DCAL	15.94					
SSD	15.69					
DIC	6.24		IEL-Probe (701)	13.46	2.75	93.00
SP	2.25					
SN	1.71					

Dataset:	gus1318tr.db: field/well/run1/pass2
Total Length:	31.11 ft
Total Weight:	305.00 lb
O.D.	2.75 in