Company VULCAN RESOURCES LLC
Well HATCH # 5
Field HATCH SOUTH
County COPPER
State KANSAS

ORNISH
WIRELINE SERVICES, INC.
CHANUTE, KANSAS

GAMMA RAY SONIC/CEMENT BOND VARIABLE DENSITY LOG

Company VULCAN RESOURCES LLC
Well HATCH # 5
Field HATCH SOUTH
County COPPER
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Date 9-27-2016
Location 1320' FSL & 1320' FEL
SEC 1 TWP 33S RGE 18E
Elevation GL 1188 KB 1193
Permanent Datum GL
Log Measured From KB 5 Above Perm. Datum
Drilling Measured From KB
Run Number 1
Date 9-27-2016
Depth Driller 1600
Depth Logger 1600
Bottom Log Interval 1600
Top Log Interval 0
Casing Driller 8 5/8 @ 0
Casing Logger 8 5/8 @ 0
Bit Size 7 7/8
Type Fluid WATER
Density / Viscosity
PH / Fluid Loss
Source of Sample
Rm @ Meas Temp
Rmf @ Meas Temp
Rmc @ Meas Temp
Source: Rmf / Rmc
Rm @ BHT
Time Since Circulation
Time Logger on Bottom 0:00
Equipment Number 1
Location HAYS
Recorded By J. HAMM
Witnessed By

Comments

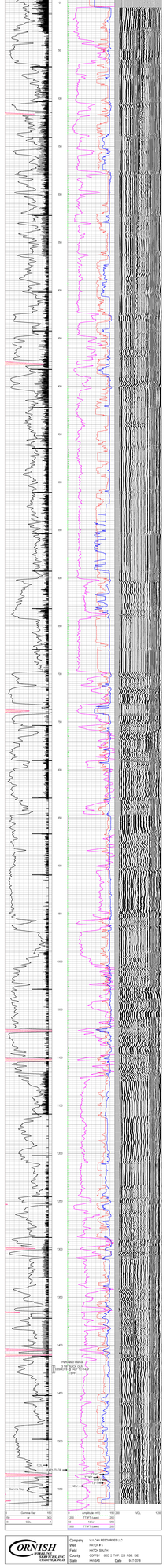
THANK YOU

Service	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	WT (lb)
			9850C 9850A SHM	2.17	1.69	5.00
			CBL TEMCO TEMCO/GR/CCL (TEMCO/HSI) 0.75 1 1/4HP TEMCO (TEMCO/BLANK)	1.69	1.69	50.00
SHVSPT	6.58					
SHVSPT	5.58					
			9850C 9850A SHM	2.17	1.69	5.00
SHVTCAL SHVSENS	2.17 2.17					

Cement
Total Length 19.08 ft
Total Weight 50.00 lb
O.D. 1.69 in

Hatch # 5 (8) fieldsetup=1/psaw8ERCE

Database File Hatch # 5 (8)
Dataset Pathname psaw8ERCE
Presentation Format sonic_all
Dataset Creation Mon Oct 27 10:38:44 2016
Charted by Depth in Feet scaled 1:240



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