

Company	QUINQUE OPERATING COMPANY
Well	DICKINSON RANCH #21-1
County	BARBER
State	KANSAS
Country	USA
API No.	15-007-24364-00-00
File No.	QUINQUE OPERATING COMPANY
Well	DICKINSON RANCH #21-1
County	BARBER
State	KANSAS
Country	USA
API No.	15-007-24364-00-00
Location	25522 FSI & 1180' FMI
Location	LAI: 57332840841 + LONG: 98.853434229
Permit Datum:	GL
Drilling Measured From:	KB
Log Measured From:	DF
Above Permit Datum:	GL
Run Number	0
Depth--Ogger	0.0
Depth--Logger	0.0
First Reading	0.0
Last Reading	0.0
Casing--Dialer	0.0
Casing--Logger	0.0
Bit Size	...
Casing Size	...
Fluid Type	...
Fluid Density	0.0
RM@Measured Temp	0.000 @ 0 F
RM@Cased Temp	0.000 @ 0 F
RM@Mud Temp	0.000 @ 0 F
RM@Mud/MNC	0.000 @ 0 F
RM@BHT	0
Time Circulation Stopped	0
Max Recorded Temp	F
Equipment/Case	
Recorded By	
Witnessed By	

The customer is hereby warned that by providing the log data herein, STEP Energy Services does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. STEP Energy Services does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by STEP Energy Services personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of the charge by STEP Energy Services for its services. Any user of the log data is warned that said user is not intended to rely on interpretations, conversions or recommendations as aforesaid.

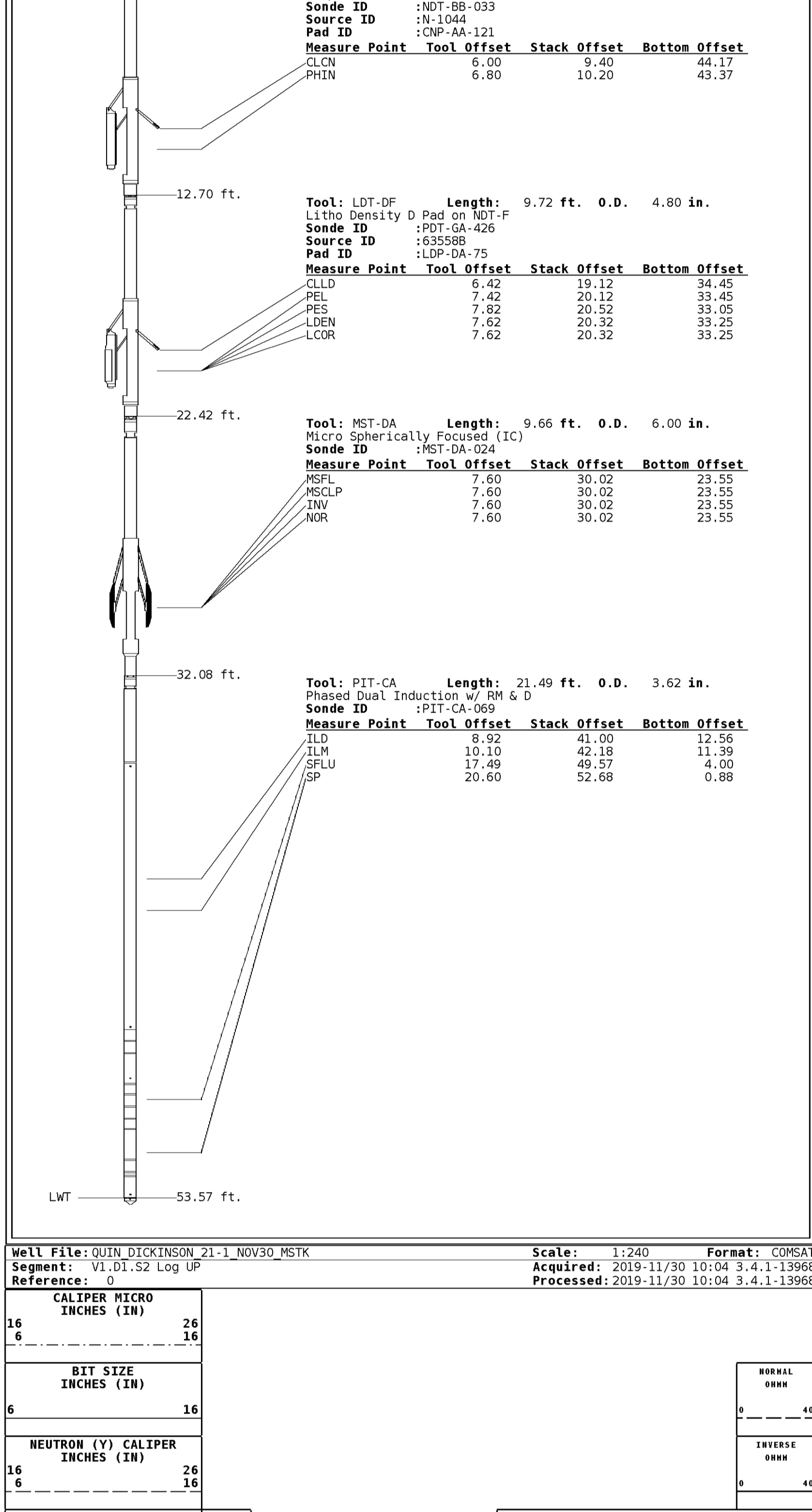
Bitsize Intervals	Bottom (ft)	Size (in)	Weight (lbs)	Bottom (ft)	Top (ft)

Run Number	0
Date	
Date/Time On Bottom	
Depth to Fluid	0.0 Ft
Salinity	0.000
RMF@BHT	0.000 @ 0 F
RMC@BHT	0.000 @ 0 F

Run Number 0
Comments

Tool String Schematic

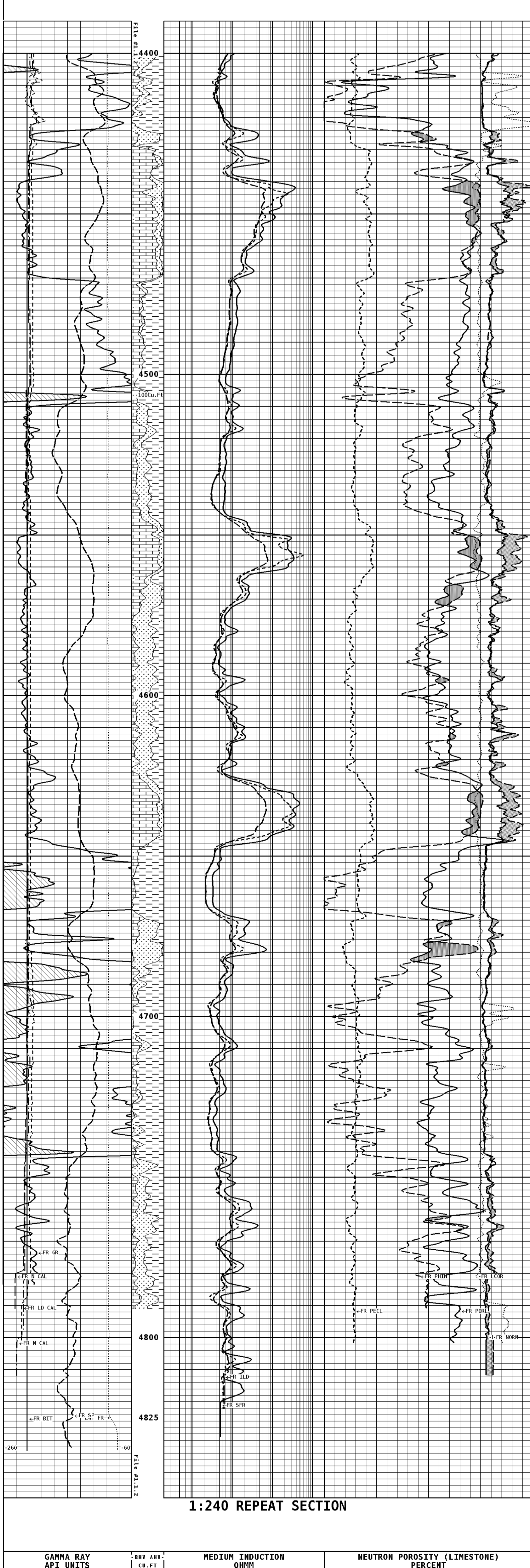
Total Tool Length - 53.57 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 943.00 lbs.



Well File: QUIN DICKINSON 21-1 NOV30_MSK
Segment: V1.D1.S2 Log UP
Reference: 0
Scale: 1:240
Format: COMSAT
Acquired: 2019-11/30 10:04 3.4.1-13968
Processed: 2019-11/30 10:04 3.4.1-13968

CALIPER MICRO INCHES (IN)	26 6		
BIT SIZE INCHES (IN)	6		
NEUTRON (Y) CALIPER INCHES (IN)	26 6		
DENSITY (X) CALIPER INCHES (IN)	26 6	Volume Quar tz	DENSITY CORRECTION G/CC
TENSION LBS	0	Volume Calcite	SHALLOW FOCUSED RESISTIVITY OHMM
SPONTANEOUS POTENTIAL mV	← 20	Volume Dolo/Shale	DEEP INDUCTION OHMM
GAMMA RAY API UNITS	150 0	BVW ANV CU. FT.	MEDIUM INDUCTION OHMM

1:240 REPEAT SECTION



1:240 REPEAT SECTION

GAMMA RAY API UNITS	150 0	BVW ANV CU. FT.	MEDIUM INDUCTION OHMM	NEUTRON POROSITY (LIMESTONE) PERCENT
SPONTANEOUS POTENTIAL mV	← 20	Volume Dolo/Shale	DEEP INDUCTION OHMM	DENSITY POROSITY (2.71g/cc) PERCENT
TENSION LBS	10000	Volume Calcite	SHALLOW FOCUSED RESISTIVITY OHMM	PE CROSS-SECTION BARRS/ELECTRON
DENSITY (X) CALIPER INCHES (IN)	26 6	Volume Quar tz	DENSITY CORRECTION G/CC	
NEUTRON (Y) CALIPER INCHES (IN)	26 6			INVERSE OHMM
BIT SIZE INCHES (IN)	6			NORMAL OHMM
CALIPER MICRO INCHES (IN)	26 6			

* Borehole Zone Factors *

Zone 1	99999.0 to	0.0	Feet
Matrix Density		2.71	g/cc
Fluid Density		1.00	g/cc
Formation Matrix		Limestone	
Drill Bit Size		7.875	in
Casing Diameter		5.500	in
Casing Thickness		6.350	mm
Casing Correction (PHI N)		Disable	
Hole Substance		Fluid	
BHT Depth		4830.000	ft
Borehole Temperature		73.0	degF
Temperature Gradient		1.00	degF
Resistivity Of Mud		1.200	ohmm
MSTNG Normal Correction		0.00	ohmm
MSTNG Inverse Correction		0.00	ohmm