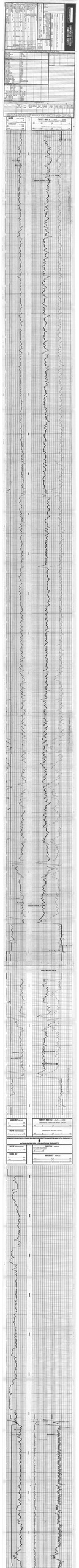
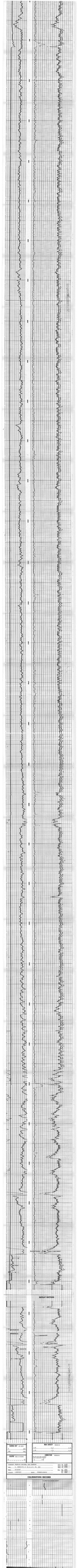

DUAL SPACED
NEAR-FAR SYSTEM
DUAL SPACED
NEAR-FAR SYSTEM
DUAL SPACED
NEAR-FAR SYSTEM



SIGNAL SET			
CH		CH	
1		2	
3		4	
5		6	
7		8	

SIGNAL SOURCE
Pressure Transducer
Flowmeter
Temperature Probe
Event Marker
Other

BIT SIZES (Inches)	
1	2
3	4

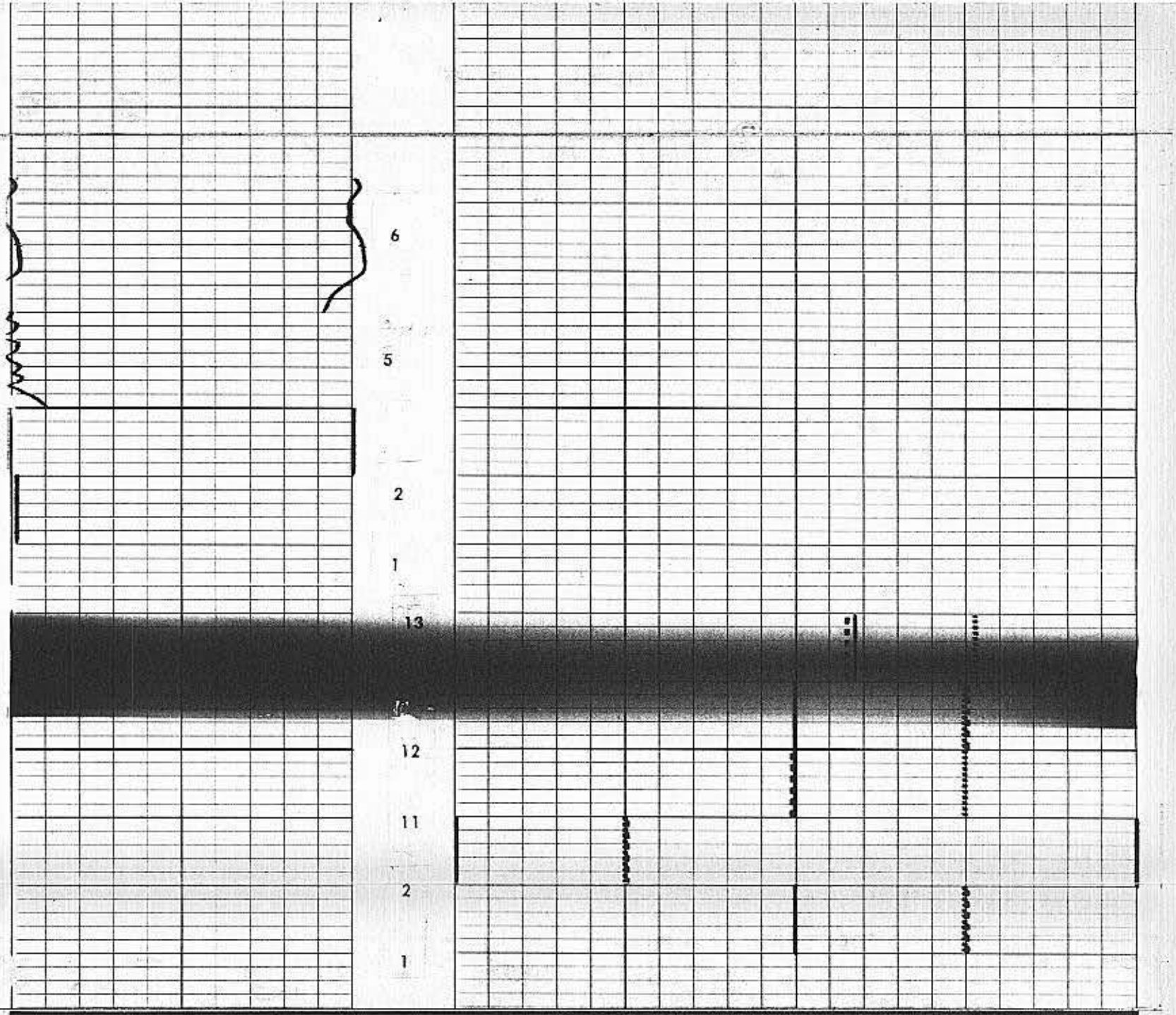
LOGGING
Date: 10/10/2013
Run Number: 1
Depth Driller: 10,000 ft
Depth Logger: 10,000 ft
Bottom Logged Interval: 10,000 ft
Top Logged Interval: 0 ft
Type Fluid in Hole: Water
Salinity: 0 ppm
Density: 8.33 ppg
Level: Full

CALIBRATION RECORD

Before Survey	After Survey

DEPLOYMENT

Deployment Method
Wireline
Slickline
Other



COMPENSATED NEUTRON CALIBRATION CODING

1. MECHANICAL ZERO
2. RECORDED SENSITIVITY (THRU MEMORIZER IF USED

PANEL TEST

	RATIO	OH POROSITY			CH POROSITY	
		LS ☐	SS ☐	DOL ☐	SS ☐	LS ☐
3.	1	1.6	4.9	−0.2	2.4	0.1
4.	2	15.6	19.7	8.1	13.0	9.0
5.	3	30.5	36.0	25.2	29.1	24.1
6.	4	45.4	53.1	47.5	47.4	43.2

7. POROSITY NORMALIZED WITH CNB-A IN PLACE
   - 7A. TOOL IN NCT-B
8. LOG POSITION WITH CNB-A IN PLACE
   - 8A. LOG POSITION WITH TOOL IN NCT-B

OH			CH	
LS	SS	DOL	SS	LS
18	22.2	10.4	15.3	11.2

$$\text{RATIO (NORMALIZED)} = \frac{2.17}{\text{RATIO (NCT-B)}} \quad \text{RATIO LOG}$$

FORMATION DENSITY COMPENSATED CALIBRATION CODING

1. MECHANICAL ZERO
2. RECORDER SENSITIVITY

PANEL TEST

	POS	FDC LIQUID ρ	$\Delta\rho$
3.	# 1	2.92	.00
4.	# 2	2.78	+.14
6.	# 3	2.42	−.10
6.	# 4	2.35	.00
7.	# 5	2.08	.01

8. MECHANICAL ZERO CALIPER
9. 8″ RING
10. 12″ RING
11. TOOL CALIBRATE #1 SET $\rho = 2.50$
12. TOOL CALIBRATE #2 SET $\Delta\rho = .00$
13. LOG POSITION $\rho = 2.59$, $\Delta\rho = .015$

GAMMA RAY CALIBRATION CODING

1. MECHANICAL ZERO
2. ELECTRICAL ZERO
3. RECORDER SENSITIVITY
4. MEMORIZER ADJUSTMENT
5. BACKGROUND
6. CALIBRATE - SOURCE IN PLACE