97-116 4/14/97

Schlumberger

LOGGING WHILE DRILLING

TRUE VERTICAL DEPTH
CDR*
Field Print

* A Mark of Schlumberger

Using the Following Data:
- Phase & Amplitude Resistivity
- Gamma Ray
- Azimuthal Density Neutron

Company:	BP Exploration (Alaska) Inc.		
Well:	NK-41 PB #3		
Field:	Niakuk		
Borough:	North Slope	State:	Alaska
Location:	1474' FSL, 717' FEL, SEC 36, T12N, R15W, UM		
Reference No:	50-029-22778-72	Run #:	Composite
Latitude:	70 20 61.602 N	Longitude:	148 11 56.134 W
Date Logged:	22 AUG - 01 SEP 1997		

Elevations: KB: 60.05 ft DF: 60.05 ft GL: 19.3 ft

Log Measured From: Drill Floor

BP AMERICA CONFIDENTIAL

The well name, location and borehole reference data were **furnished by the customer.**

All interpretations are opinions based on inferences from electrical or other measurements and **we cannot, and do not guarantee** the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful **negligence** on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting **from any interpretations made** by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our **General Terms and Conditions as** set out in our current Price Schedule.

FIELD RECORDING:	Engr: Bosse	Loc: Prudhoe Bay	Tools: CDR7045/CDR7026/ADN045		
COMPUTATION:	Analyst: Cryer	Center: Anchorage DSC	Baseline: FAST-4.0_011		
WELL DATA:					
Mud Weight: 10.5 ppg	R_m = OBM	R_{mf} = OBM	BHT = 180 deg F	Bit Size = 8.5 in.	
Casing Depth: 17661 ft	Casing Size: 9.625 in.	Casing Weight: 41 lb/ft	Total Depth: 22094 ft		

Remarks:

WARNING: Depth reference may not be final depth.
REFERENCE: Final depths may be shifted to wireline reference depth.

Plugback #3 drilled from 9.625 in. casing at 17661 feet.
LWD RUN 001: Tools never exited casing due to plugging up of BHA by cement.
LWD RUN 002: Tools never exited casing. POOH to change BHA.
Drilled Interval (bit depths): 17661 ft to 17690 ft
********** LWD RUN 003 **********
CDR7045 v5.0 - RES to Bit: 55.35 ft GR to Bit: 66.35 ft
Drilled interval (bit depths): 17690 ft to 21000 ft
********** LWD RUN 004 **********
CDR7045 v5.0 - RES to Bit: 39.68 ft GR to Bit: 50.68 ft
ADN045 v4.0 - DEN to Bit: 94.13 ft NEU to Bit: 98.26 ft
Drilled interval (bit depths): 21000 ft to 21685 ft
********** LWD RUN 005 **********
CDR7045 v5.0 - RES to Bit: 39.83 ft GR to Bit: 50.83 ft
ADN045 v4.0 - DEN to Bit: 94.32 ft NEU to Bit: 98.45 ft
Drilled interval (bit depths): 21685 ft to 22094 ft
Short spacing detector failed at depth 21773.5 feet, replaced ROBB with non-PE corrected bulk density

Gamma ray corrected for mud weight and hole size.
TNPH corrected for hole size, hydrogen index, mud salinity and temperature.
All depths referenced to driller's pipe tally.

Log generated from recorded downhole memory
Thank you for using ANADRILL Schlumberger LWD services.

GAMMA RAY (API)		RESISTIVITY ATTENUATION DEEP (OHM-M)	
150.00		0.20	2000.00