FINAL PRINT

Schlumberger

DUAL INDUCTION-SFL WITH LINEAR CORRELATION LOG

COMPANY: E & B Natural Resources Management Corp.
WELL: "WNF-I" ~~No.~~ 23 037-22672
FIELD: WILMINGTON
COUNTY: LOS ANGELES STATE: CALIFORNIA

LOCATION: LAMBERT COORDINATES: N 4 041 448, E 4 204 680

API SERIAL NO.	SEC.	TWP	RANGE
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Other Services: NONE

COUNTY: LOS ANGELES
FIELD: WILMINGTON
LOCATION:
WELL: NO. 23
COMPANY: XTRA ENERGY COMPANY

Permanent Datum: GL ; Elev.: 38
Log Measured From: KB 22 Ft. Above Perm. Datum
Drilling Measured From: KB

Elev.: K.B. 60, D.F. --, G.L. 38

Date	03/17/83			
Run No.	ONE			
Depth—Driller	5474			
Depth—Logger (Schl.)	5478			
Btm. Log Interval	5472			
Top Log Interval	603			
Casing—Driller	10 3/4 @ 603	@	@	@
Casing—Logger	603			
Bit Size	9 7/8"			
Type Fluid in Hole	CLAY BASE			
Dens. / Visc.	10.3 / 45			
pH / Fluid Loss	9.5 / 5.4 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	1.45 @ 92 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.08 @ 61 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.35 @ 61 °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	MEAS / MEAS			
Rm @ BHT	1.09 @ 126°F	@ °F	@ °F	@ °F
TIME Circulation Stopped	2100 03/17			
TIME Logger on Bottom	2230 03/17			
Max. Rec. Temp.	126 °F	°F	°F	°F
Equip. / Location	8240 / 4404			
Recorded By	DONOVAN			
Witnessed By	WRIGHT			

FOLD HERE — The well name, location and borehole reference data were furnished by the customer.

Run No.	ONE			
Service Order No.	376451			
Fluid Level	FULL			
Salinity ppm. cl	--			
Speed F.P.M.	100			
EQUIPMENT DATA				
Panel No.	IEM-BD-447			
Cartridge No.	DIC-DA-1399			
Sonde No.	DIS-EC-1387			
Mem. Panel No.	CPU-2003			
G.R. Panel No.	--			
G.R. Cart No.	--			
Tape Recorder - (TTR)	MTU-3980			
Depth Encoder - (DRE)	--			
Pressure Wheel - (CPM)	--			
Type Centralizers	--			
Stand Off - Inches	--			
CALIBRATION DATA				
SBR	1.0			
Sonde Error - ILM	6.0			
Sonde Error - ILD	2.3			
G.R. BKG. - CPS.	--			
G.R. Source - CPS.	--			
S.E. Set In Hole - Depth	--			
S.E. Corr. - Hole Size	--			
LOGGING DATA				
SBR	1.0			
Sonde Error Log - ILM	6.0			
Sonde Error Log - ILD	2.3			
G.R. Scale per 100 Div.	--			
G.R. - T.C. Log	--			
	°F	°F	°F	°F
	°F	°F	°F	°F
	°F	°F	°F	°F

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS

CSU 22.4

LOG REPEATED ON THE TOP AS WELL AS AT THE BOTTOM DUE TO SP DRIFTING

SP DRIFT SET BETWEEN 5190 & 5160 DUE TO EXCESSIVE DRIFT

NO STANDOFF USED DUE TO HOLE CONDITIONS

SP SCALE CHANGED FROM 5 MV TO 10 MV AT 5290

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 wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.

SP (MV)		ILD (OHMM) / SFLA(OHMM) / SFLA(OHMM)	CILD(MMHO)
-80.00 20.000		0.0 20.000 / 0.0 4.0000 / 0.0 20.000	1000.0 0.0

-80.00	SP	20.000	SCALE
-36.00	5290	4.0000	CHANGES

FILE
101

FILE
101

SP (MV)		ILD (OHMM) / SFLA(OHMM) / SFLA(OHMM)	CILD(MMHO)
-36.00 4.0000		0.0 20.000 / 0.0 4.0000 / 0.0 20.000	1000.0 0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

SFL	3.9	FEET	ILD	6.9	FEET
SP	.0	FEET	ILM	3.3	FEET
TENS	.0	FEET	SPAR	.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
DSEC	2.30000	MMHO	BS	9.87500	IN
MSEC	6.00000	MMHO	SBR	1.00000	OHMM
DO	0.0	F	BHS	OPEN	

COMPANY: XTRA ENERGY — SCHL. FR 5472
WELL: NO. 23 — SCHL. TD 5478
FIELD: WILMINGTON — DRLR. TD 5474
COUNTY: LOS ANGELES STATE: CALIFORNIA — Elev: KB 60, DF --, GL 38