2" FINAL PRINT

Schlumberger

DUAL INDUCTION-SFL WITH LINEAR CORRELATION LOG

COMPANY	XTRA ENERGY
WELL	#34
FIELD	WILMINGTON
LOCATION	
COUNTY	LOS ANGELES

COMPANY E & B Natural Resources Management Corp.

WELL "NWT-1" #34 — 037-22787

FIELD WILMINGTON

COUNTY LOS ANGELES STATE CALIFORNIA

LOCATION: LAMBERT COORDINATES N 4041488 E 4205567

API SERIAL NO. | SEC. | TWP | RANGE

Other Services: NONE

Permanent Datum: GL ; Elev.: 36

Log Measured From KB 22 Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 58 D.F. - G.L. 36

Date	11/25/82			
Run No.	ONE			
Depth—Driller	4571			
Depth—Logger (Schl.)	4569			
Btm. Log Interval	4563			
Top Log Interval	619			
Casing—Driller	10 3/4 @ 617	@	@	@
Casing—Logger	619			
Bit Size	9 7/8			
Type Fluid in Hole	CLAYBASE CHEM			
Dens. | Visc.	10.0 | 48			
pH | Fluid Loss	9.5 | 4.8 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	1.16 @ 85 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.12 @ 61 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.01 @ 57 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	FILTER PRESS			
Rm @ BHT	.78 @ 127 °F	@ °F	@ °F	@ °F
TIME Circulation Stopped	1930 11/25			
TIME Logger on Bottom	2230 11/25			
Max. Rec. Temp.	127 °F	°F	°F	°F
Equip. | Location	8240 | 4404			
Recorded By	A. DOW			
Witnessed By	M. WRIGHT			

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

Run No.	ONE			
Service Order No.	296154			
Fluid Level	FULL			
Salinity ppm. cl	-			
Speed F.P.M.	100			
EQUIPMENT DATA				
Panel No.	IEM-BC-1070			
Cartridge No.	DIC-1399			
Sonde No.	DIS-1387			
Mem. Panel No.	CPU-1388			
G.R. Panel No.	-			
G.R. Cart No.	-			
Tape Recorder - (TTR)	MTU-3980			
Depth Encoder - (DRE)	-			
Pressure Wheel - (CPM)	-			
Type Centralizers	NONE			
Stand Off - Inches	-			
CALIBRATION DATA				
SBR	1			
Sonde Error - ILM	5.6			
Sonde Error - ILD	7.8			
G.R. BKG. - CPS.	-			
G.R. Source - CPS.	-			
S.E. Set In Hole - Depth	-			
S.E. Corr. - Hole Size	-			
LOGGING DATA				
SBR	1			
Sonde Error Log - ILM	5.6			
Sonde Error Log - ILD	7.8			
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 VERSION 22.4

NO STANDOFF USED DUE TO HOLE CONDITIONS

SP SCALE CHANGED FROM 4 MV TO 10 MV PER DIVISION AT 4362

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 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) 0.0 – 20.000 / SFLA(OHMM) 0.0 – 4.0000 / SFLA(OHMM) 0.0 – 20.000	CILD(MMHO)
-80.00 – 20.000			1000.0 – 0.0

-80.00	SP	20.000	SCALE
-32.00	4362	8.0000	CHANGES

FILE 6

FILE 6

SP (MV)		ILD (OHMM) 0.0 – 20.000 / SFLA(OHMM) 0.0 – 4.0000 / SFLA(OHMM) 0.0 – 20.000	CILD(MMHO)
-32.00 – 8.0000			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	7.50000	MMHO	BS	9.87500	IN
MSEC	5.60000	MMHO	SBR	1.00000	OHMM
DO	0.0	F	BHS	OPEN	

COMPANY	XTRA ENERGY	SCHL. FR	4563
WELL	#34	SCHL. TD	4569
FIELD	WILMINGTON	DRLR. TD	4571
COUNTY	LOS ANGELES STATE CALIFORNIA	Elev: KB	58
		DF	-
		GL	36

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DIV. OF OIL AND GAS
LONG BEACH, CA.