FINAL PRINT

Schlumberger

DUAL INDUCTION-SFL

COMPANY XTRA ENERGY CORP
E & B Natural Resources Management Corp.
037-22853

WELL "UNIT" 18

FIELD WILMINGTON

COUNTY LOS ANGELES STATE CALIFORNIA

LOCATION: LAMBERT COORDINATES N 4041 448, E 4204 720

Other Services: FDC/CNL/GR, EPT

API SERIAL NO. -- | SEC. -- | TWP. -- | RANGE --

COUNTY	LOS ANGELES		
FIELD	WILMINGTON		
LOCATION			
WELL	18		
COMPANY	XTRA ENERGY CORP		

Permanent Datum: GROUND LEVEL ; Elev.: 38
Log Measured From K.B 22 Ft. Above Perm. Datum
Drilling Measured From K.B

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

Date	04-23-83			
Run No.	ONE			
Depth-Driller	4765			
Depth-Logger (Schl.)	4766			
Btm. Log Interval	4762			
Top Log Interval	603			
Casing-Driller	10 3/4 @ 603	@	@	@
Casing-Logger	603			
Bit Size	9 7/8			
Type Fluid in Hole	CLAYBASE			
Dens. / Visc.	10.0 / 46			
pH / Fluid Loss	9.5 / 4.4 ml	ml	ml	ml
Source of Sample	MUDPIT			
Rm @ Meas. Temp.	1.72 @ 86 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	1.83 @ 71 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	2.77 @ 70 °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	FILTER PRESS			
Rm @ BHT	1.24 @ 122°F	@ °F	@ °F	@ °F
Time: Circulation Stopped	1200 4-23			
Time: Logger on Bottom	1420 4-23			
Max. Rec. Temp.	122 °F	°F	°F	°F
Equip. / Location	8297 / 4404			
Recorded By	M.MACGLASHAN			
Witnessed By	MR. WRIGHT			

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

Run No.	ONE			
Service Order No.	376121			
Fluid Level	FULL			
Speed F.P.M.	67			
Salinity ppm. cl	--			

SCALE CHANGES

Type Log	DEPTH	Scale Up Hole	Scale Down Hole
SP	4562	-80 TO 20	-32 TO 8

EQUIPMENT DATA

Panel	IEM-BD-1265
Cartridge	DIC-DA-1403
Sonde	DIS-EC-1453
Memorizer Panel	CPU-2245
Centralizer Type	TRUSS FINS
Stand-off - Inches	1.5"
G.R. Panel	--

REMARKS

CALIBRATION DATA

SBR	1.0
ILD Sonde Error	7.3
ILM Sonde Error	7.3
S.E. Set In Hole - Depth	--
S.E. Corr. - Hole Size	--
G.R. Background	--
G.R. Source	--
T.C. - Cal.	--

LOGGING DATA

SBR	1.0
ILD Sonde Error Log	7.3
ILM Sonde Error Log	7.3
G.R. Scale per 100 Div.	--
G.R. - T.C. Log	--

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) / 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
-32.00 4562 8.0000 CHANGES

FILE 3

FILE 3

SP (MV)		ILD (OHMM) / SFLA(OHMM) / SFLA(OHMM)	CILD(MMHO)
-32.00 8.0000		0.0 20.000 / 0.0 4.0000 / 0.0 20.000	1000.0 0.0

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

SFL	6.4	FEET	ILD	9.4	FEET
SP	2.5	FEET	ILM	5.8	FEET
TENS	.0	FEET	SPAR	2.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
DSEC	7.30000	MMHO	BS	9.87500	IN
MSEC	7.30000	MMHO	SBR	1.00000	OHMM
BHS	OPEN		FNUM	0.810000	
DO	0.0	F			

COMPANY XTRA ENERGY CORP
WELL 18
FIELD WILMINGTON
COUNTY LOS ANGELES STATE CALIFORNIA

SCHL. FR 4762
SCHL. TD 4766
DRLR. TD 4765
Elev: KB 60, DF --, GL 38