3-5
EDITADO

Schlumberger

LO6 - 22R
GR - CCL (2"/100')

WORKING FILE
GEOSCIENCES

EQUIPO:	PETREX 114
FIELD	LOBITOS
LOCATION	LOBITOS OFFSHORE
WELL	LO6-22R
COMPANY	PETRO-TECH PERUANA SA

COMPANY	PETRO-TECH PERUANA SA			
WELL	LO6-22R			
FIELD	LOBITOS			
EQUIPO:	PETREX 114	PAIS	PERU	
LOCATION	LOBITOS OFFSHORE	S 4 26' 30.55"		Other Services:
		W 81 22' 0.26"		
API SERIAL NO.	SECT.	TWP.	RANGE	

Permanent Datum	NIVEL DEL MAR	Elev. 0.0 F	Elev.: K.B.50.0 F
Log Measured From	MESA ROTARIA	54.0 F above Perm. Datum	D.F.49.0 F
Drilling Measured From	MESA ROTARIA		G.L.-31.0 F

Date	07-MAR-1996			
Run No.	1			
Depth Driller	9272.0 F			
Depth Logger (Schl.)	8878.0 F			
Btm. Log Interval	8876.0 F			
Top Log Interval	3400.0 F			
Type Fluid in Hole	BIOPOLYMER MUD			
Salinity NaCl				
Density	12.40 LB/G			
Fluid Level				
Max. Rec. Temp.				
Deviation	54 DEG			
Logger on Bottom	08-MAR-96 @ 06:00			
Equip. / Location	708	TAL / PRU		
Recorded By	Jose Vasquez			
Witnessed By	F. CORDOVA / DORVAN POLSON			
BOREHOLE RECORD				
Bit Size	17 1/2"	12 1/4"	8 1/2"	4 3/4"
Depth			5991.0 F	9282.0 F
CASING & TUBING RECORD				
Size	13 3/8"	9 5/8"	5 1/2"	3 1/2"
Weight			17.0000 LB/F	8.8000 LB/F
Casing Top-Driller	0.0 F	0.0 F	0.0 F	3502.0 F
Casing Top-Logger				3503.0 F
Casing Shoe-Driller	497.0 F	2321.0 F	5803.0 F	9282.0 F
Casing-Logger				

PETRO-TECH PERUANA S.A.
GEOLOGIST WELL FILE

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.

Run No.	1	
Service Order No.		
Logging Speed	1800.0 F/HR	
EQUIPMENT DATA		
Tool Number 1	SGTG 104	
Tool Number 2	CAL-Q 1177	
Tool Number 3	EQF-43	
Tool Number 4	EQF-38	
Tool Number 5	EQF-38	
Tool Number 6		
Tool Number 7	TDM-AA 335	
Tool Number 8	GSR-U	
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

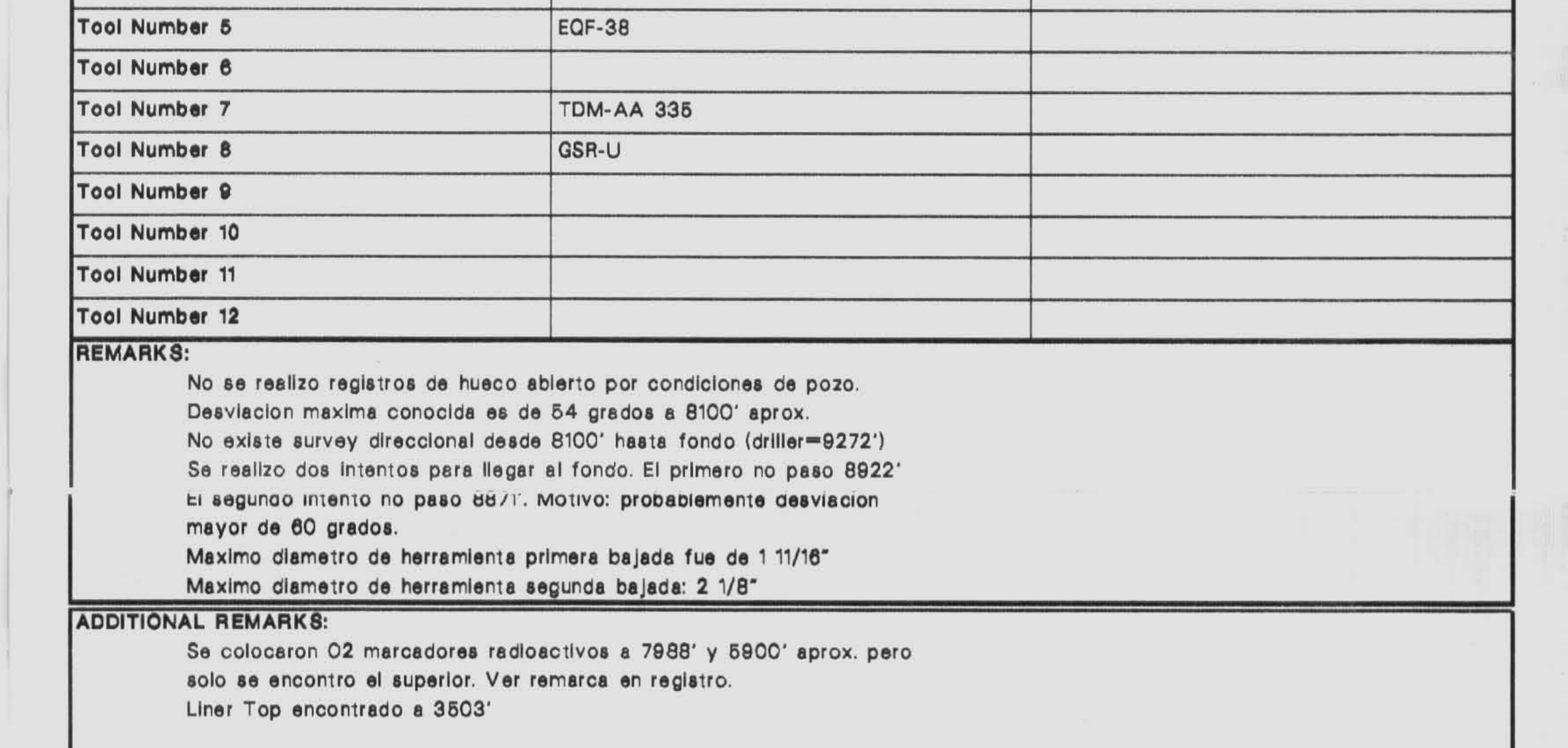
REMARKS:

No se realizo registros de hueco abierto por condiciones de pozo.
Desviacion maxima conocida es de 54 grados a 8100' aprox.
No existe survey direccional desde 8100' hasta fondo (driller=9272')
Se realizo dos intentos para llegar al fondo. El primero no paso 8922'
El segundo intento no paso 8871'. Motivo: probablemente desviacion mayor de 60 grados.
Maximo diametro de herramienta primera bajada fue de 1 11/16"
Maximo diametro de herramienta segunda bajada: 2 1/8"

ADDITIONAL REMARKS:

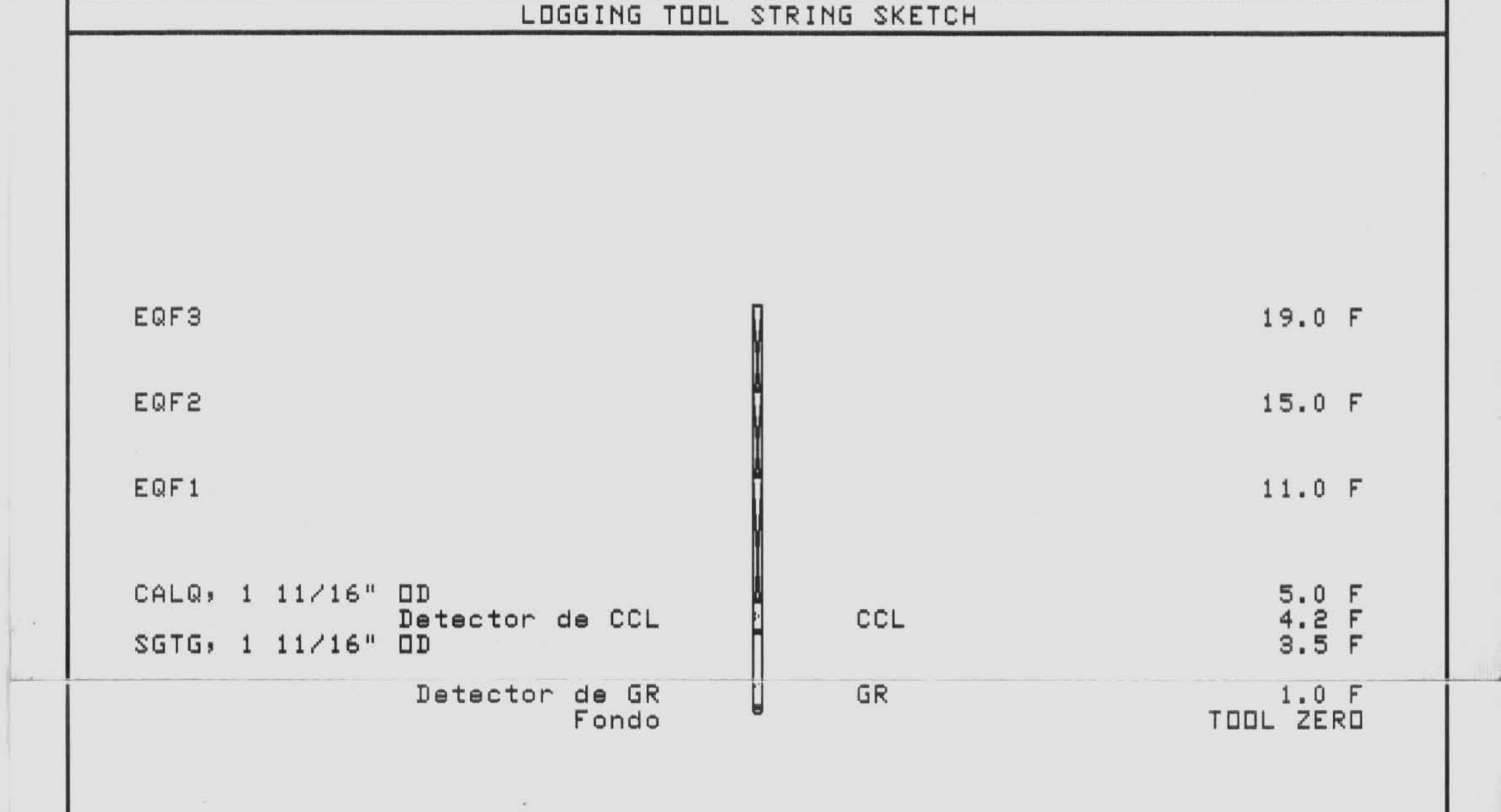
Se colocaron 02 marcadores radioactivos a 7988' y 5900' aprox. pero solo se encontro el superior. Ver remarca en registro.
Liner Top encontrado a 3503'

LOGGING TOOL STRING SKETCH



TOTAL TOOL STRING LENGTH IS 19.0 F.
TOTAL TOOL STRING WEIGHT IS 184. LB IN AIR.

Tope de Liner de 3 1/2"



SENSOR MEASURE POINT TO TOOL ZERO

TENS -4.0 FEET
CCL 4.3 FEET
GR 1.0 FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PP	NORM		DO	11.4000	F
WMUD	12.4000	LB/G	NCJT	GSRU	
BS	4.75000	IN	BHS	OPEN	

Seccion Principal

POLEGREDA

MOGOLLON
6065' MD -5116'ss
S: 2241 W: 1510

Net Sand w/ 37.5°AP
390' Mth
266' Vth

MOGOLLON

SAN CRISTOBAL
7135' MD -5834'ss
S: 2858' W: 2007'

~~Tope~~ de ~~perforado~~.

"WEDGE SANDS"
8143' MD -6426'ss
S: 3520 W: 2500
HD: 4324
Net Sand: 62' Mth
36' Vth

TOP OF SAND
@ 8220
(OCT-11-96)

PRODUCCION CON BOLEO, SIN FRAC
TEST:
March 15: 130 BOPD x 1/4" x 100 - 150 psi
March 17: 4080 x 7 hrs x 16/64"
40-100 psi x TF.
SI. to take BU pressure.
Fraced on April 9-96.

No disparoron.

"WEDGE SANDS"
8427' MD -6608'ss
S: 3728' W: 2650
HD: 4556

NO LOGS

CONDENSED SECTION OF FAUNA

SAN CRISTOBAL
"UPPER BASAL SALINA"
9210' MD -7030'ss
S: 4239 W: 2987'
5786 HD

3½" CSG @ 9272'

9280-9288' No recovered samples
FTD. 9288' (-7074'ss)

PERFORATED: (No Fraced)

April 7: 462 BO x 3/8" x 340 psi CF
April 8: 456 BO x 3/8" x 320-340 psi CF
April 9: 452 BO x 3/8" x 340 psi CF
April 10: 458 BO x 3/8" x 340 psi CF
DESPUES DEL FRAC (8143-8427') ("WEDGE SDS")
April 11: 571 BO x 7 hrs x 1/2" x 500 psi x CF
(Nota: se usó 860 bls de crudo debe 289 BO.
April 12: 929 BO x 1/2" x 400 psi x CF
April 14: 721 BOPD x 1/2" x 260 #
April 15: 686 BOPD x 1/2 x 280 # x CF
April 16: 668 BOPD x 1/2 x 270 # x CF

TEST: March 29: 251 BOPD x 5/16" x 280 PSI x CF.
March 30: 428 BOPD x 5/16" x 440 PSI x CF
March 31: 433 BOPD x 5/16" x 400-500 PSI x CF
APRIL 1st: 450 BOPD x 3/8" x 340-360 PSI x CF
APRIL 2nd: 465 BOPD x 3/8" x 300-380 PSI x CF
APRIL 3rd: 463 BOPD x 3/8" x 300-380 PSI x CF
APRIL 4: 469 BOPD x 3/8" x 350 psi CF
APRIL 5: 465 BOPD x 3/8" x 350 psi CF
APRIL 6: 464 BOPD x 3/8" x 350-360 psi CF
APRIL 17: 618 BOPD x 1/2" x 280 #
APRIL 18: 620 BOPD x 1/2" x 250 #