erger

DUAL LATEROLOG - MICRO SFL

COMPANY SOUTHERN CALIFORNIA GAS COMPANY

WELL PORTER 24B

FIELD ALISO CANYON

COUNTY LOS ANGELES **STATE** CALIFORNIA

Other Services: NONE

Sec 24 Twp 2S Rge 16W

API SERIAL NO.	SECT.	TWP.	RANGE
037-24144	24	2N	16W

GROUND LEVEL Elev. 2182.0 F Elev. : K.B.3205.5 F
m KELLY BUSHING 23.5 F above Perm. Datum D.F.
From KELLY BUSHING G.L.2182.0 F

Date	30-OCT-1993		
Run No.	TWO		
Depth-Driller	7536.0 F		
Depth-Logger	7536.0 F		
Bottom Log Interval	7511.0 F		
Top Log Interval	7036.0 F		
Casing-Driller	13 3/8" @ 827.0 F	9 5/8" @ 7030.0 F	@ F
Casing-Logger	829.0 F	7036.0 F	
Bit Size	17 1/2"	12 1/4"	8 1/2"
Type Fluid in Hole	MOD PACE-CACL		
Density	10.20 LB/G	9.5 G	
Viscosity	45 S	45 S	
pH	11		
Fluid Loss	4.8 C3	4.6 C3	
Source of Sample	CIRC		
Rm @ Meas. Temp.	0.94 @ 70 DEGF	0.85 @ 150 DEGF	
Rmf @ Meas. Temp.	0.84 @ 70 DEGF	0.68 @ 150 DEGF	
Rmc @ Meas. Temp.	1.1 @ 70 DEGF	1.1 @ 150 DEGF	
Source: Rmf, Rmc	CALCULATED	CALCULATED	
Rm @ BHT	0.56 @ 150 DEGF		
Max. Rec. Temp.	150 DEGF		
Equipment	3		
Location	3		
Recorded By	WOOD/WILLIAMS		
Witnessed By	FAZAMIZRA / BAMCHE		

RECEIVED
JAN 11 1994
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

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

Schlumberger assumes no responsibility for the accuracy of any data provided to, or interpretations made by, its clients. In no event shall Schlumberger be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of its officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current price schedule.

Tools Run	TWO
Tool Serial No.	1003/08
Centering Device	07 YES DEGF
Eccentrics	07
Standoffs	
Tool Length	23 FT
Weight	1500 LBS
Max. Temp.	150 DEGF
Max. Pressure	10000 PSI
Calibration Date	30-SEP-1993
Calibration Time	1200
Calibration Number	1
Tool Number 1	DIS-E-1
Tool Number 2	DIS-E-2
Tool Number 3	DIS-E-3
Tool Number 4	DIS-E-4
Tool Number 5	DIS-E-5
Tool Number 6	DIS-E-6
Tool Number 7	SGC-SA-A01
Tool Number 8	SGC-SA-A01
Tool Number 9	1310 G
Tool Number 10	1310 G
Tool Number 11	CNA-AA-109
Tool Number 12	CNA-AA-109
Tool Number 13	TCM-AB-106
Tool Number 14	TCM-AB-106

DIGITAL INTERNAL CALIBRATION OF AUGUST 1993
DATA FORMAT COMPATIBLE WITH SCHLUMBERGER PROCIDA 2 FORMAT
DATA PRESENTED IS EDITED INTERPRETATION

TOOL TYPE, TYPE NO., SERIAL NO., LOCATION, TOOL STRING SECTION

TOOL TYPE	TYPE NO.	SERIAL NO.	LOCATION	TOOL STRING SECTION
DUAL LATEROLOG - MICRO SFL	DIS-E-1	1003	CA	58.7 F
	DIS-E-2	08	CA	53.7 F
	DIS-E-3			54.8 F
	DIS-E-4			
	DIS-E-5			
	DIS-E-6			
	SGC-SA-A01			50.2 F
	SGC-SA-A01			
	1310 G			
	1310 G			
	CNA-AA-109			33.3 F
	CNA-AA-109			30.4 F
	TCM-AB-106			
	TCM-AB-106			

LOCATION: TOOL STRING SECTION

TOOL 1 1/8" OD
SECTL 1 1/8" OD
SECTL 1 1/8" OD
SECTL 1 1/8" OD
TOOL ZERO

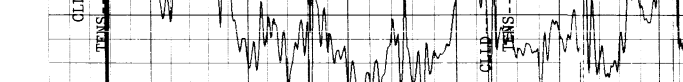
MAIN LOG 2 IN/100FT

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume: 245.444 F3 FROM 7524.50 F TO 7030.00 F
Integrated Cement Volume: 113.142 F3 FROM 7524.50 F TO 7030.00 F
(Assuming Filled IN U.S. CASING)

CP 39.2	10/100	10"/DIV	100/DIV	50/100	200/DIV	50/100	1000/DIV	CLU/GAMMA	0.0
	0.0							TTRS(LF)	0.0
CP 38.2	10/100	10"/DIV	100/DIV	50/100	200/DIV	50/100	1000/DIV	CLU/GAMMA	0.0
	0.0							TTRS(LF)	0.0

FILE 18 30-OCT-1993 07:17
INFIT FILE(S) CREATION DATE 30-OCT-1993 07:11



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INFIT FILE(S) CREATION DATE 30-OCT-1993 07:11

SENSOR MEASURE POINT TO TOOL ZERO

SGR	71.0	FEET	
SGRA	71.0	FEET	
SGD	14.9	FEET	
SGDA	14.9	FEET	
CALS	33.3	FEET	
SRES	33.2	FEET	
CNRF	33.2	FEET	
CNRN	33.2	FEET	

PARAMETERS

PARAMETER	VALUE	UNIT
FP - Playback Processing	RESO	
ID - Depth Offset for Logical Unit 11	1.00000	F
DCS - Depth Correlation Shift	0.00000	F
PCS - Pulser Cycling Diameter	4.25000	IN
BIT - Bit Size for Hole Volume	8.50000	IN
CTSC - Cleavelland Temperature Selection	TEMP	
CTEC - Cleavelland Temperature	70.0000	DEGF
BHT - Bottom Hole Temperature	180.000	DEGF
BHTD - Bottom Hole Temperature	150.000	DEGF
RMFD - Mud Filtrate	1.00000	OHMM
RMCD - Resistivity of Mud	1.10000	
CRS - Current Reference	AUTO	
CRA - Current Reference	AUTO	
CRF - Current Reference Selectivity	500.000	MV
SPRF - Shallow Power Reference	550.000	MV
SPRA - Shallow Power Reference	550.000	MV
BS - Bit Size	8.50000	IN
MSTO - Measure Point Offset	0.00000	IN
WRS - Wireline Status (Open or Cased)	OPEN	

MAIN LOG 5 IN/100FT

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume: 113.142 F3 FROM 7524.50 F TO 7030.00 F
Integrated Cement Volume: 113.142 F3 FROM 7524.50 F TO 7030.00 F
(Assuming Filled IN U.S. CASING)

CP 39.2	10/100	10"/DIV	100/DIV	50/100	200/DIV	50/100	1000/DIV	CLU/GAMMA	0.0
	0.0							TTRS(LF)	0.0
CP 38.2	10/100	10"/DIV	100/DIV	50/100	200/DIV	50/100	1000/DIV	CLU/GAMMA	0.0
	0.0							TTRS(LF)	0.0

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INFIT FILE(S) CREATION DATE 30-OCT-1993 07:11