Schlumberger

FORMATION MICROSCANNER DIP PROCESSING GAMMA RAY

GLO 4900_4

COUNTY	Imperial
FIELD	Salton Sea
LOCATION	1476.8 Ft W, 2450.4 Ft N
WELL	Sinclair 11
COMPANY	California Energy Company

COMPANY	California Energy Company		
WELL	Sinclair 11		
FIELD	Salton Sea		
COUNTY	Imperial	**STATE**	California
LOCATION	1476.8 Ft W, 2450.4 Ft N From SE Cor Sec 5	**Other Services:**	DIL/GR LDT/CNL
API SERIAL NO. 025-91-251	**SECT.** 5	**TWP.** 12S	**RANGE** 13E
Permanent Datum	Ground Level	**Elev.** -224.0 F	**Elev.: K.B.** -197.0 F
Log Measured From	Kelly Bushing	27.0 F above Perm. Datum	**D.F.**
Drilling Measured From	Kelly Bushing		**G.L.** -224.0 F

Date	6-Nov-1995		
Run No.	Four		
Depth Driller	5335.0 F		
Depth Logger (Schl.)	5333.0 F		
Btm. Log Interval	5333.0 F		
Top Log Interval	2174.0 F		
Casing-Driller	24 @ 997.0 F	20 @ 1442.0 F	16 @ 2174.0 F
Casing-Logger	993.0 F	1443.0 F	2174.0 F
Bit Size	17 1/2 @ 1372.0 F	17 1/2 @ 2200.0 F	14 3/4 @ 5335.0 F
Type Fluid in Hole	Thermadrill		
Dens. / Visc.	8.80 LB/G / 37.0 S		
pH / Fld. Loss	9.5 / 8.8 C3		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp.	1.340 OHMM @ 70.0 DEGF		@
Rmf @ Meas. Temp.	1.140 OHMM @ 70.0 DEGF		@
Rmc @ Meas. Temp.	.912 OHMM @ 70.0 DEGF		@
Source: Rmf / Rmc	Meas / Meas		
Rm @ BHT	.362 OHMM @ 278. DEGF		@
TIME **Circulation Ended**	6:15		
TIME **Logger on Bottom**	17:02		
Max. Rec. Temp.	278. DEGF		
Equip. / Location	8357 / Long Beach		
Recorded By	Mark MacGlashan		
Witnessed By	Mr. Hickey/Mr. Schreiner		

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 wilful 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.	Four	
Service Order No.	620044	
Drilling Fluid Level	0.0 F	
Salinity	1700.0 PPM	
Rmf @ BHT	.308 OHMM @ 278. DEGF	@
Rmc @ BHT	.246 OHMM @ 278. DEGF	@
Logging Speed	1800.0 F/HR	
EQUIPMENT DATA		
Tool Number 1	MEDS-A-753	
Tool Number 2	MEPC-A-755	
Tool Number 3	MEAC-A-753	
Tool Number 4	GPIC-AC-842	
Tool Number 5	SGC-SA-631	
Tool Number 6	TCC-B-189	
Tool Number 7	TCC-B-189	
Tool Number 8		
Tool Number 9		
Tool Number 10		
Tool Number 11		
Tool Number 12		

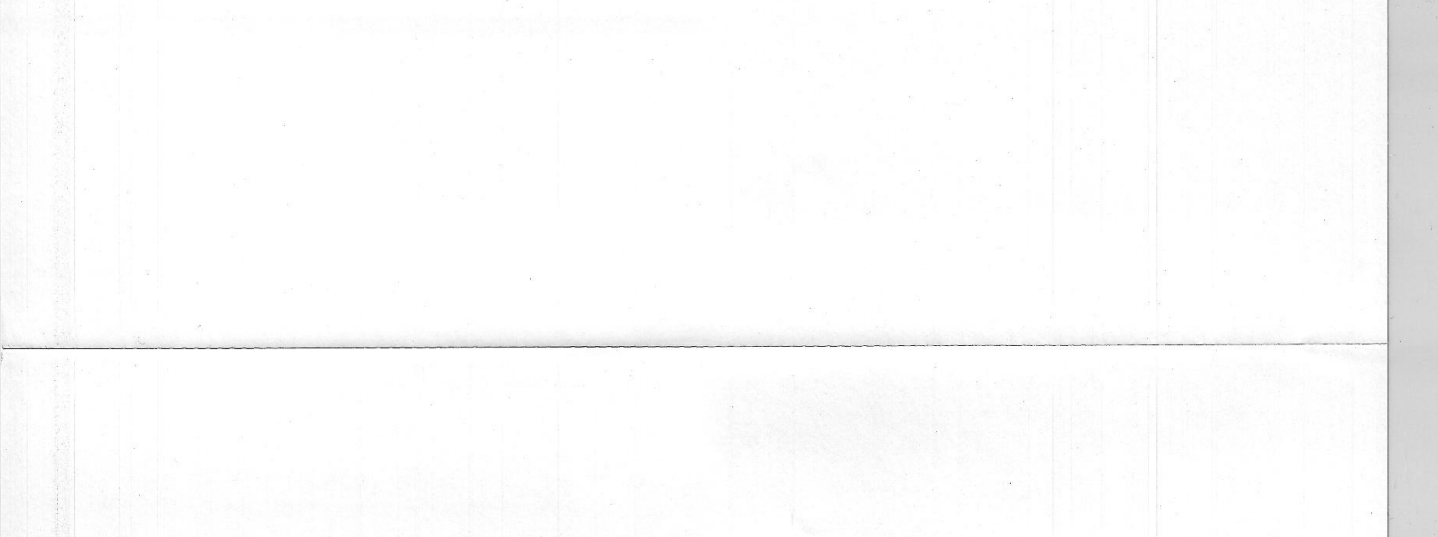
REMARKS:

Tied in with Schlumberger DIL/Gr log run 10-15-95

Surface Casing:30 inch at 331 Ft

T1=T2=278 DEGF

LOGGING TOOL STRING SKETCH



TOTAL TOOL STRING LENGTH IS 37.4 F.
TOTAL TOOL STRING WEIGHT IS 594. LB IN AIR.

MEST CYBERDIP

STRUCTURAL DIP NOT REMOVED

MIRROR IMAGES NOT REMOVED

SPEED CORRECTION NOT APPLIED

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume: 3978.29 F3 FROM 5333.00 F TO 2153.50 F

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	10.0000 F3	LEFT EDGE

BS(IN)	
15.000	25.000
GR(GAPI)	
0.0	150.00
C2(IN)	
12.000	22.000
C1(IN)	
12.000	22.000

CP 41.004 FILE 23 06-NOV-1995 19:29 (UP)

CP 41.004 FILE 23 06-NOV-1995 17:02 (UP)

BS(IN)	
15.000	25.000
GR(GAPI)	
0.0	150.00
C2(IN)	
12.000	22.000
C1(IN)	
12.000	22.000

SENSOR MEASURE POINT TO TOOL ZERO

TENS	-10.9	FEET	GR	30.0	FEET
C2	1.1	FEET	C1	1.1	FEET
MRPD	1.1	FEET	MDRB	1.1	FEET
MRPB	1.1	FEET	MRPC	1.1	FEET
AX	1.1	FEET	MRPA	1.1	FEET
AZ	1.1	FEET	AY	1.1	FEET
FY	1.1	FEET	FX	1.1	FEET
FCAX	1.1	FEET	FZ	1.1	FEET
FCAZ	1.1	FEET	FCAY	1.1	FEET
FTIM	1.1	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PADT	.500000	DEG	NCJT	GSRY	
FCSR	0.1"		AFMO	HAMM	
ICMO	AUTO		MDEC	13.7000	DEG
GLM	DIPM		ICSD	-50000.0	F
RBS	AUTO		PTYP	MEC	
MLM	1800		SOFF	-1.00000	IN
CSR	.6"		ODFO	RAW	
XMOD	AUTO		XGAI	2	
XOFF	0		FCD	0.0	IN
SPCR	DISA		DSCA	40	DEG
SBUT	8		INT	4.00000	F
STEP	2.00000	F	SPAN	4	
SANG	35.0000		DPAD	AUTO	
DMAX	90	DEG	ELRA	.500000	IN
SDFA	.900000		HQUA	14	
LQUA	6		STDI	0.0	DEG
STDA	0.0	DEG	CSBL	2	
BS	14.7500	IN	RW	.100000	OHMM
BHS	OPEN				

MEST CYBERDIP

STRUCTURAL DIP NOT REMOVED

MIRROR IMAGES NOT REMOVED

SPEED CORRECTION NOT APPLIED

ACCUMULATED INTEGRATION VALUES SUMMARY:

Integrated Hole Volume: 3978.29 F3 FROM 5333.00 F TO 2153.50 F

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
Integrated Hole Volume	10.0000 F3	LEFT EDGE

BS(IN)	
15.000	25.000
GR(GAPI)	
0.0	150.00
C2(IN)	
12.000	22.000
C1(IN)	
12.000	22.000

CP 41.004 FILE 23 06-NOV-1995 19:29 (UP)

CP 41.004 FILE 23 06-NOV-1995 17:02 (UP)

BS(IN)	
15.000	25.000
GR(GAPI)	
0.0	150.00
C2(IN)	
12.000	22.000
C1(IN)	
12.000	22.000

SENSOR MEASURE POINT TO TOOL ZERO

```
TENS -10.9 FEET                    GR    30.0  FEET
C2     1.1  FEET                   C1     1.1  FEET
MRPD   1.1  FEET                   MDRB   1.1  FEET
MRPB   1.1  FEET                   MRPC   1.1  FEET
AX     1.1  FEET                   MRPA   1.1  FEET
AZ     1.1  FEET                   AY     1.1  FEET
FY     1.1  FEET                   FX     1.1  FEET
FCAX   1.1  FEET                   FZ     1.1  FEET
FCAZ   1.1  FEET                   FCAY   1.1  FEET
FTIM   1.1  FEET
```

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PADT	.500000	DEG	NCJT	GSRY	
FCSR	0.1"		AFMO	HAMM	
ICMO	AUTO		MDEC	13.7000	DEG
GLM	DIPM		ICSD	-50000.0	F
RBS	AUTO		PTYP	MEC	
MLM	1800		SOFF	-1.00000	IN
CSR	.6"		ODFO	RAW	
XMOD	AUTO		XGAI	2	
XOFF	0		FCD	0.0	IN
SPCR	DISA		DSCA	40	DEG
SBUT	8		INT	4.00000	F
STEP	2.00000	F	SPAN	4	
SANG	35.0000		DPAD	AUTO	
DMAX	90	DEG	ELRA	.500000	IN
SDFA	.900000		HQUA	14	
LQUA	6		STDI	0.0	DEG
STDA	0.0	DEG	CSBL	2	
BS	14.7500	IN	RW	.100000	OHMM
BHS	OPEN				

COMPANY	California Energy Company		**SCHL.**	**FR**	5333.0 F
WELL	Sinclair 11		**SCHL.**	**TD**	5333.0 F
FIELD	Salton Sea		**DRLR.**	**TD**	5335.0 F
COUNTY	Imperial	**STATE** California	**Elev:**	**KB**	-197.0 F
				DF	
				GL	-224.0 F

Schlumberger

FORMATION MICROSCANNER
DIP PROCESSING
GAMMA RAY

J525105

J525105

J525105