Schlumberger

# BOREHOLE COMPENSATED SONIC 2"

COMPANY: SHELL OIL CO.
WELL: SHELL OIL CO. 13-28
FIELD: SOUTH LOBITOS
STATE: CALIFORNIA
COUNTY: SAN LUIS OBISPO
LOCATION: 1980'N & 560'E FR SW CORR
SEC: 28 TWP: 5S RGE: 24W

PERMANENT DATUM: GL
LOG MEASURED FROM: KB 25.0 F ABOVE PERM. DATUM
DRLG. MEASURED FROM: KB

ELEVATIONS:
KB: 1926.2 F
DF:
GL: 1901.1 F

DATE: 17 FEB 85
RUN NO: 1

DEPTH-DRILLER: 2811.0 F
DEPTH-LOGGER: 2812.0 F
BTM. LOG INTERVAL: 2812.0 F
TOP LOG INTERVAL: 2300.0 F
CASING-DRILLER: 9 5/8 @ 300 F
CASING-LOGGER: 9 5/8 @ 300 F
BIT SIZE: 7 7/8
TYPE FLUID: LSND
DENSITY: 9.0 LB/G
VISCOSITY: 45 S
PH: 9.5
FLUID LOSS: 7.0 C3
SOURCE OF SAMPLE: FLOWLINE
RM @ MEAS. TEMP: 2.530 OHMM AT 60.0 DEGF
RMF @ MEAS. TEMP: 3.520 OHMM AT 49.0 DEGF
RMC @ MEAS. TEMP: 2.690 OHMM AT 55.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
RM @ BHT: 1.926 OHMM AT 81.0 DEGF
RMF @ BHT: 0.240 OHMM AT 81.0 DEGF
RMC @ BHT: 1.893 OHMM AT 81.0 DEGF
TIME CIRC. STOPPED: 11:00 2/17
TIME LOGGER ON BTM.: 13:45 2/17
MAX. REC. TEMP: 81.0 DEGF
LOGGING UNIT NO: 8126
LOGGING UNIT LOC: SACRAMENTO
RECORDED BY: MAYER
WITNESSED BY: MEYER/BRUER

OTHER SERVICES: NOT

TYPE FLUID IN HOLE: GEL/LIGNO
DENSITY: 8.9 LB/G
VISCOSITY: 59.0 S
PH: 8.5
FLUID LOSS: 7.8 C3
SOURCE OF SAMPLE: FLOWLINE
RM @ MEAS. TEMP: 2.530 OHMM AT 60.0 DEGF
RMF @ MEAS. TEMP: 3.520 OHMM AT 49.0 DEGF
RMC @ MEAS. TEMP: 2.690 OHMM AT 55.0 DEGF
SOURCE RMF/RMC: MEASURED/MEASURED
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REMARKS:
CHLORIDES: 850PPM
BIL AND SONIC WERE RUN IN COMBINATION.
CHEZ'S AND FINS USED FOR CENTRALIZATION.

EQUIPMENT NUMBERS-

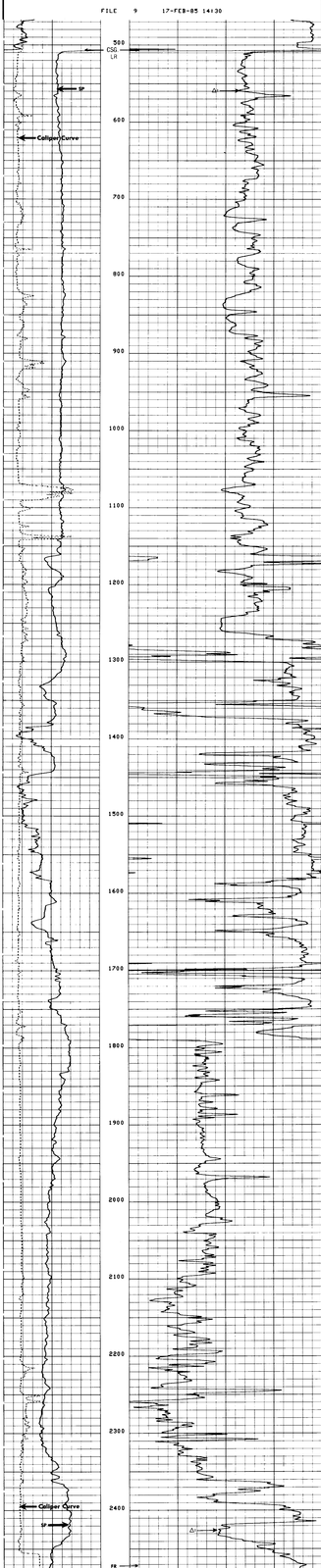
| | | | |
|---|---|---|---|
| DIS 1342 | DIC 1386 | SLS 375 | SLC 1259 |
| MCD 1186 | ICM 162 | SLM 443 | |

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.

FILE 9 17-FEB-85 15:06
DATA ACQUIRED 17-FEB-85 14:30

CALI(IN ) 6.0000 16.000
SP (MV ) -100.0 0.0
DT (US/F) 150.00 50.000

FILE 9 17-FEB-85 14:30




FILE 9 17-FEB-85 13:54

CALI(IN ) 6.0000 16.000
SP (MV ) -100.0 0.0
DT (US/F) 150.00 50.000

SENSOR MEASURE POINT TO TOOL ZERO

| | | | | | |
|---|---|---|---|---|---|
| CBL | 37.0 | FEET | AMPL | 37.0 | FEET |
| TT3 | 33.3 | FEET | TT4 | 32.3 | FEET |
| TT1 | 36.4 | FEET | TT2 | 37.0 | FEET |
| CALI | 56.1 | FEET | SRAT | 34.5 | FEET |
| SFL | 6.4 | FEET | ILD | 9.4 | FEET |
| SP | 2.5 | FEET | ILM | 5.7 | FEET |
| TENS | 2.5 | FEET | SPAR | 2.5 | FEET |
| HDIS | 28.8 | FEET | | | |

PARAMETERS

| NAME | VALUE | UNIT | NAME | VALUE | UNIT |
|---|---|---|---|---|---|
| WSV1 | UF1 | | DWS | 16 | |
| DSIN | 5 | US | DSEL | 200 | US |
| CDTS | 140.000 | | DWCO | 512 | |
| DTF | 189.000 | US/F | DTM | 56.0000 | US/F |
| SBR | 1.00000 | OHMM | DSEC | 6.00000 | MMHO |
| FPHI | SPHI | | MSEC | 7.30000 | MMHO |
| BS | 7.87500 | IN | BHS | OPEN | |
| SPER | 0.0102200 | | | | |