Schlumberger

CNL

2" RAW. INDUCTION-SFL

COMPANY: AMOCO OIL AND GAS COMPANY

WELL: LONGVIEW FIRE 023-23

FIELD: COLUMBIA

COUNTY: COLUMBIA

STATE: MONTANA

LOCATION: 3450'S & 1800'E OF THE NW CORNER OF SEC 23 R45E T5N

OTHER SERVICES: FDC-CNL-GR

SUT

DATE: 7-DEC-85

RUN NO: 1

DEPTH-DRILLER: 1976.0 F

BTM. LOG INTERVAL: 1976.0 F

TOP LOG INTERVAL: 418.0 F

CASING-DRILLER: 418.0 F

CASING-LOGGER: 412.2 F

BIT SIZE: 9 5/8 IN

TYPE FLUID IN HOLE: GEL POLYMER

DENSITY: 13.10 LB/G

VISCOSITY: 50.0 S

PH: 9.0

FLUID LOSS: 5.0 C3

SOURCE OF SAMPLE: FLOWLINE

RM @ MEAS. TEMP: 4.310 OHMM AT 62.0 DEGF

RMF @ MEAS. TEMP: 4.150 OHMM AT 47.0 DEGF

RMC @ MEAS. TEMP: 5.450 OHMM AT 52.0 DEGF

SOURCE RMF/RMC: MEASURED/MEASURED

RM @ BHT: 3.379 OHMM AT 81.0 DEGF

RMF @ BHT: 2.547 OHMM AT 81.0 DEGF

RMC @ BHT: 3.654 OHMM AT 81.0 DEGF

TIME CIRC. STOPPED: 04:00 12-7

TIME LOGGER ON BTM.: 14:00 12-7

MAX. REC. TEMP: 81.0 DEGF

LOGGING UNIT NO: 8126

LOGGING UNIT LOC: SACRAMENTO

RECORDED BY: REIMIG

WITNESSED BY: ANDERSON

PERMANENT DATUM: GL

ELEVATIONS: 0 F

LOG MEASURED FROM: KB 0 F

DRILL MEASURED FROM: KB

DF: 0 F

GL: 0 F

RECEIVED PRID JAN 14 1986 DIVISION OF OIL, GAS AND MINERALS

PROGRAM NAME: NDI

SERVICE: CNL

SERVICE ORDER: 405936

REMARKS:

RUN IN COMBINATION WITH BHC-SONIC

SALINITY = 8000PPM CL-

EQUIPMENT NUMBERS-

DIS-EC 1342 DIC-DA 1386 MCD-DA 1186 SLS-RC 1082

SLC-FA 1239 SGC-JAA 446 SLM-DA 428 HLM-BC 456

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.

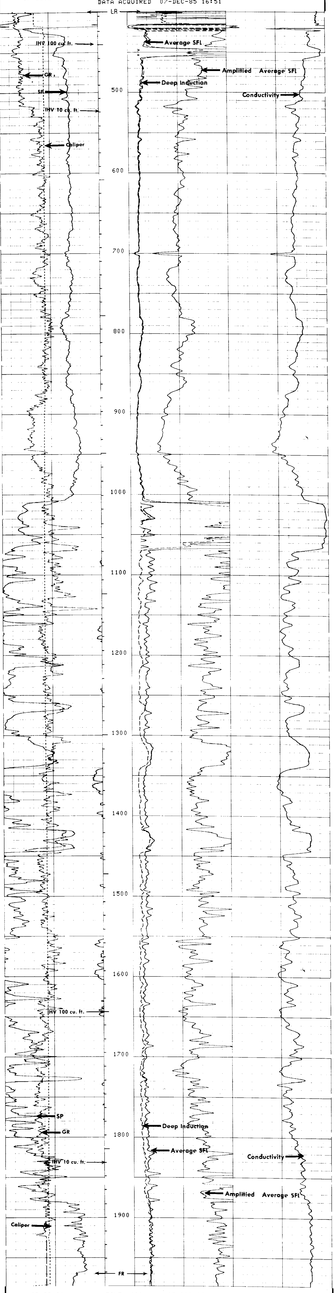
CP 28.2A FILE 102 07-DEC-85 17:26
DATA ACQUIRED 07-DEC-85 16:51

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
IHV	10.0000 F3	LEFT EDGE

GR (GAPI)		SFLU (OHMM)	
0.0	150.00	0.0	6.0000
CALI(IN)		SFLU(OHMM)	
6.0000	16.000	0.0	30.000
SP (MV)		ILD (OHMM)	CILD(MMHO)
-100.0	0.0	0.0	30.000 1000.0 0.0

CP 28.2A FILE 101 07-DEC-85 17:21
DATA ACQUIRED 07-DEC-85 16:51



CP 28.2A FILE 101 07-DEC-85 17:17
DATA ACQUIRED 07-DEC-85 16:17

GR (GAPI)		SFLU (OHMM)	
0.0	150.00	0.0	6.0000
CALI(IN)		SFLU(OHMM)	
6.0000	16.000	0.0	30.000
SP (MV)		ILD (OHMM)	CILD(MMHO)
-100.0	0.0	0.0	30.000 1000.0 0.0

SENSOR MEASURE POINT TO TOOL ZERO

SPAT	41.4	FEET	AMPL	43.9	FEET
TT1	42.9	FEET	CBL	43.9	FEET
TT3	40.2	FEET	TT2	43.9	FEET
T0	43.9	FEET	TT4	39.2	FEET
SLTT	43.9	FEET	TT	43.9	FEET
GR	64.1	FEET	SCBL	43.9	FEET
ILD	9.4	FEET	CALI	51.8	FEET
SP	0.4	FEET	ILM	0.0	FEET
SPAR	2.5	FEET	SP	2.5	FEET
NDIS	2.5	FEET	TEN:	2.5	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
CBTS	100.000		SPFS	R-H	
STF	199.000	US/F	STM	56.0000	US/F
DIIN	5	US	DDEL	200	US
WMUD	8.00000	LB/G	DUCD	512	
SPF	1.00000	OHMM	DSEC	5.00000	MMHO
FPHI	SPHI		MTEF	7.6000	MMHO
FMUM	.620000		FEXP	2.15000	
BS	8.75000	IN	BHS	OPEN	
FP	NORM		DO	2.0	F