

E-DENSITY NEUTRON GR

CONFIDENTIAL

COMPANY: ARCO OIL AND GAS
 WELL: COLUMBIA COUNTY 14-23
 FIELD: MIST
 COUNTY: COLUMBIA
 STATE: OREGON
 LOCATION: 102.97° E, 1099.69° E
 LOCATION: FR NW COR T4P1 6N RGE 35M
 PERM. DATUM: GL
 ELEV. OF PERM. DATUM: 652.7 F
 ELEVATIONS: KB 653.7 F
 LOG MEASURED FROM: KB
 DR: 652.7 F
 BRG. MEASURED FROM: KB

DATE: 11 AUG 86
 RUN NO: 1
 DEPTH-DRILLER: 2180.0 F
 DEPTH-LOGGER: 2180.0 F
 BIT LOG INTERVAL: 2179.0 F
 TOP LOG INTERVAL: 432.0 F
 CASING-DRILLER: 433.0 F
 CASING-LOGGER: 432.0 F
 CASING LOG INTERVAL: 9 5/8
 BIT SIZE: 8 1/2
 DEPTH:

OTHER SERVICES:
 BIT SLT
 VSP
 NBT
 PROGRAM
 TAPE NO:
 DATE:
 SERVICE:
 DRBR NO:
 524217

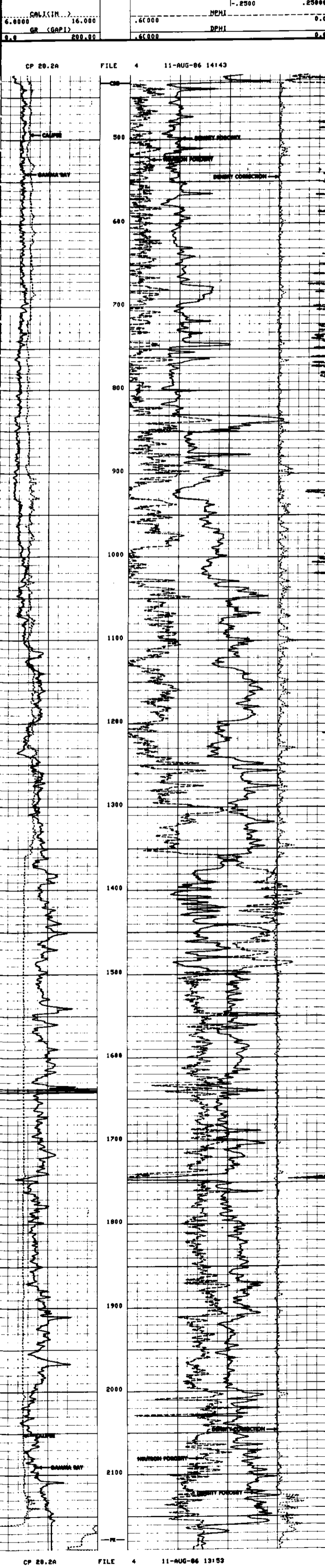
TYPE FLUID IN HOLE: LIGNOSULFONATE
 DENSITY: 10.50 LB/G
 VISCOSITY: 38.0 S
 PH: 9.0
 FLUID LOSS: 5.8 CC
 SOURCE OF SAMPLE: FLOWLINE
 RWT: 2.290 DWHM AT 75.0 DEGF
 RWC: 3.050 DWHM AT 76.0 DEGF
 RWC: 2.920 DWHM AT 76.0 DEGF
 SOURCE RWT/RWC: MEAS/WEAS
 RN AT BHT: 1.591 DWHM AT 111. DEGF
 RWC AT BHT: 2.143 DWHM AT 111. DEGF
 RWC AT BHT: 2.854 DWHM AT 111. DEGF
 TIME CIRC. STOPPED: 09:00 8/11
 TIME LOGGER ON BTH: 13:55
 MAX. REC. TEMP: 111.0 DEGF
 LOGGING UNIT NO: 8128
 LOGGING UNIT LOC: SACRAMENTO
 RECORDED BY: HARPER/KUNKLER
 WITNESSED BY: SHARP

REMARKS: CHLDRIDES: 1500 MG/L

EQUIPMENT NUMBERS-
 BRE 3756 NSC 1955 PBN 2942 PGB 2718
 LSN 6929 CNC HA 241 SGC SA 601 CCC B 1001

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 20.2A FILE 0 11-AUG-86 14:57
 DATA ACQUIRED NA



CP 20.2A FILE 4 11-AUG-86 13:53

CALI (IN) 6.0000 16.0000 200.00
 GR (GAPI) 6.0000 16.0000 200.00
 DRHO(G/CC) .2500 .25000
 NPHI .60000 0.0
 DPHI .60000 0.0

SENSOR MEASURE POINT TO TOOL ZERO

STSG	-9 FEET	GR	32.3 FEET
MCNL	23.7 FEET	FCNL	23.7 FEET
LITH	2.6 FEET	SCNL	-9 FEET
LS	2.6 FEET	LL	2.6 FEET
SS1	2.1 FEET	LU	2.6 FEET
CALI	2.7 FEET	SS2	2.1 FEET
HRAT	23.7 FEET	TENS	-9 FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
SMT	00.0000	DEGF	TD	10000.0	F
HC	CALI		PSNR	2.26900	
FB	1.00000	G/CC	MTR	SAMB	
MMUD	10.5000	LB/G	NDEN	2.65000	G/CC
DHC	BS		BFM	LIGU	
ES	8.50000	IN	BHS	OPEN	

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 DRLL. TD: 2180
 Elev: KB 653.7
 DF: 652.7
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