

RND, MOD SIL CMT, RR  
CALC CMT, QTZ 0' GWTH,  
RR SLTY MTX, RR LITHIC  
FRAG, TT-P VIS POR,  
LSE GRNS, EASILY FRI,  
NO FLUOR

POOR RETURNS FROM  
4170M TO 4195M  
4170-4200M  
CLAYSTONE, M-DK GRY,  
DK GRY BRN, SLTY IN  
PT, SL DOLIC, RR CARB,  
FRM-MOD HD, BLKY

DEV = 7° AT 4195M

4200-4267M,  
CLAYSTONE, M-DK GRY  
BRN, SLTY, COM CARB,  
GRDC C, SL DOLIC IN  
PT, FRM, SUBFIS, OCC  
SHY

SANDSTONE, CLR-WH, OCC  
YEL, F, FR SRT, SUBANG  
-W RNDD, TR SILIC CMT  
OCC ARG MTX, COM LTCS  
FRI, COM LSE, TR VIS  
POR, NO FLUOR

COAL, DK GRY-BLK, SLTY  
SUBVIT IN PT, SUBCONC  
BIT-FRM, BLKY

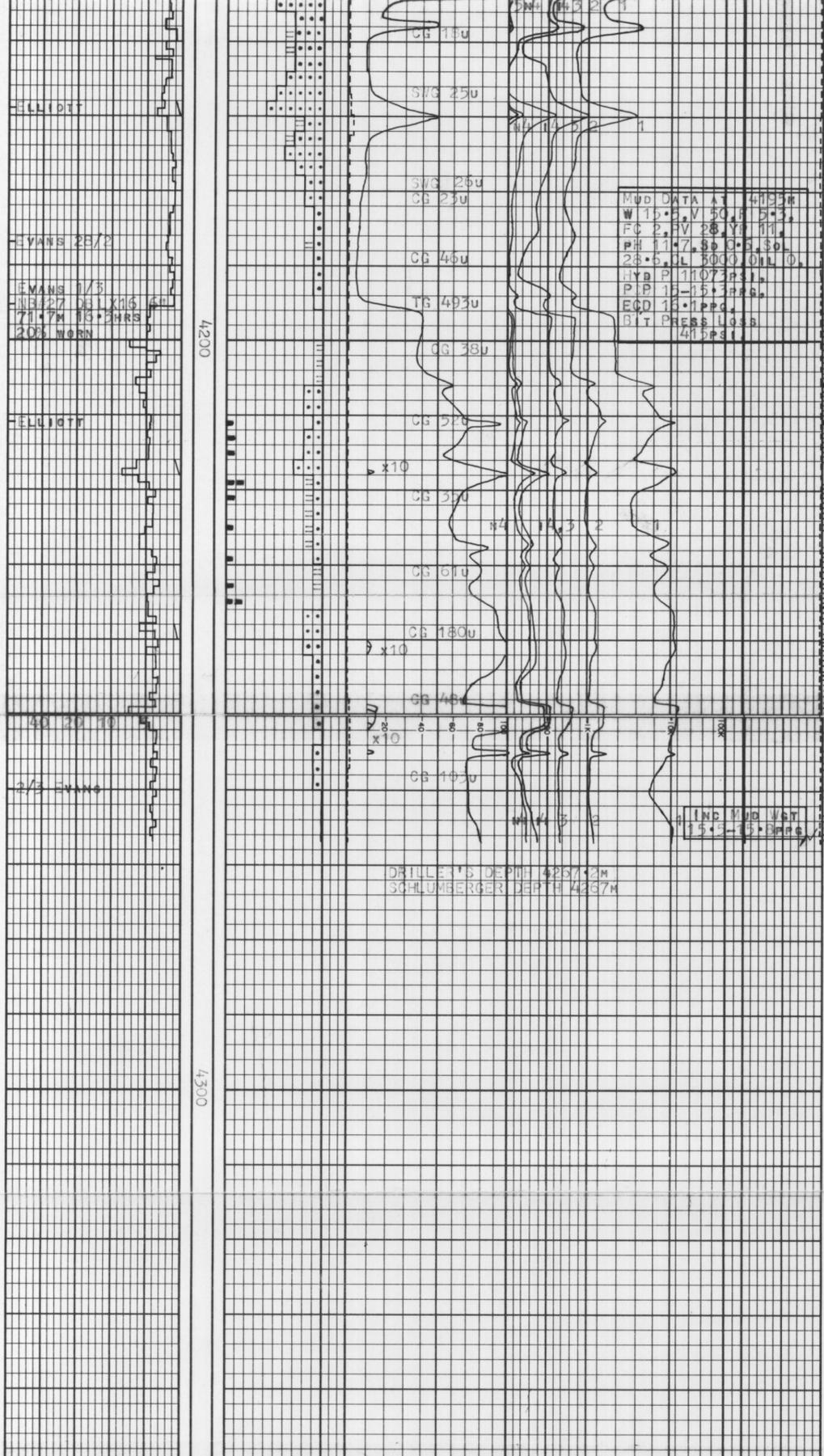
CARBIDE 20U AT 4248M  
MUD VISC 48  
THEOR STKS 7305  
ADJST STKS 8060

RUN WIRELINE LOGS;  
LDL-CNL-AMS-CAL-GR;  
1SF-BHC-MSFL-GR;  
HDT; VSP; RFT-GR;  
CST; CBL

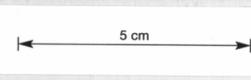
MUD DATA AT 4195M  
W 15.2, V 50.8, S 5.3,  
FC 2, BV 28.1, Y 11,  
PH 11.7, B 0.5, SOL  
28.5, SL 5000, OIL 0,  
HYD P 11073 PSI,  
PIP 15-15.3, PPG,  
ECD 15.1 PPG,  
BIT PRESS LOSS  
415 PSI

IND MUD WT  
15.45-15.3 PPG

DRILLER'S DEPTH 4257.2M  
SCHLUMBERGER DEPTH 4267M



### BIT DATA RECORD



RUN #	BIT DATA						BIT RUN									
	BIT #	MFR	TYPE	SIZE	IADC CODE	JET SIZES	START DEPTH	DRILLED		AVERAGE ROP	WOB	RPM	PUMP PRESSURE	SPM/GPM	IADC BIT CONDITION	
							METRES	METRES	HOURS	M/HR	KLBS	PSI	T B G			
				INCH		x1/32"										
1	NB1	SMITH	DSJ	26/36	1115	3x18	99.7	95.3	2.0	47.6	0-10	90			1 1 0	
2	RR1	SMITH	DSJ	26	1115	3x18	195.0	216.5	4.0	54.1	5-10	110			1 2 0	
3	NB3	SMITH	SDGH	17 1/2	1355	3x20	411.5	1126.4	22.5	50.0	50	150-180	3070	196/984	3 4 0	
4	NB4	SMITH	SDGH	17 1/2	1355	3x20	1537.9	252.4	11.8	21.4	45-50	170	3050	210/1040	5 3 0	
5	NB5	SMITH	SDGH	12 1/2	1355	2x13, 15	1776.3	112.1	4.9	22.9	35-50	150	2940	151/750	7 2 2	
6	NB6	SMITH	SDGHE	12 1/2	1355	3x12, 10	1888.4	240.1	15.6	15.4	10-44	90-160	3040	132/653	8 6 8	
7	NB7	SMITH	F 2	12 1/2	5275	3x12, 11	2128.5	660.0	74.7	8.8	30-45	75-110	2620	126/628	8 2 8	
8	NB8	DB	CD502	8 1/2		1"sqTFA	2789.5	18.4	9.0	2.0	10-18	70-85	450	42/220	50%WORN	
9	NB9	SMITH	SDGHE	12 1/2	1355	3x10, 10	2807.9	31.6	4.9	6.5	25-45	120	2750	116/575	5 3 4	
10	NB10	SMITH	SDGH	12 1/2	1355	2x13, 14	2839.5	24.0	2.6	9.2	40-42	110-120	2760	117/580	3 2 4	
11	RR8	DB	CD502	8 1/2		1"sqTFA	2863.5	18.0	6.5	2.8	18	70-80	400	40/200	100%WORN	
12	NB11	DB	CD502	8 1/2		1"sqTFA	2881.7	14.5	5.0	2.9	15-19	70-98	350	42/210	15%WORN	
13	NB12	SMITH	F 2	12 1/2	5275	2x13, 14	2896.2	106.0	24.3	4.4	43-50	90	2370	114/568	4 4 8	
14	NB13	SMITH	F 2	12 1/2	5275	2x13, 14	WIPER TRIP									
15	NB14	SMITH	SDGH	8 1/2	1355	2x10, 11	3002.2	18.3	4.3	4.1	20-35	100-120	2500	71/354	4 2 6	
16	NB15	SMITH	F 2	8 1/2	5275	3x11	3020.5	260.5	45.9	5.7	45	100	2800	78/385	1 6 4	
17	NB16	SMITH	F 2	8 1/2	5275	3x11	3281.0	213.0	44.8	4.7	45	100	2780	76/377	1 6 2	
18	NB17	DB	TD103	8 1/2		1"sqTFA	3494.0	9.0	3.0	3.0	10-20	100-140	1850	80/412	100%WORN	
19	NB18	SMITH	F 2	8 1/2	5275	3x11	3503.0	144.0	30.7	4.7	45	100	2930	70/357	3 4 0	
20	NB19	SMITH	SVH	8 1/2	2255	3x12	MILL JUNK									
21	NB20	SMITH	LVGH	8 1/2			DRESS LINER TOP									
22	NB21	HTC	R4	6	2111	3x28	DRILL OUT CEMENT IN LINER									
23	NB22	HTC	J4	6	2161	3x11	3647.1	19.0	7.0	2.7	15	68	2810	50/248	7 3 0	
24	NB23	HTC	J33	6	5271	3x11	3666.1	71.4	26.4	2.7	15	68	2810	50/248	4 2 0	
25	NB24	DB	LX 16	6		0.5sq IN	3737.5	9.5	3.2	3.0	5-8	50	3700	49/180	10%WORN	
26	NB25	SMITH	F 3	6	5375	3x11	3747.0	61.0	32.0	1.9	20	60-67	2800	51/255	4 8 2	
27	RR24	DB	LX 16	6		0.5sq IN	3808.0	265.0	53.6	4.9	5-12	60	3700	53/192	40% WORN	
28	NB26	DB	LX 16	6		0.5sq IN	4073.0	122.5	66.0	1.9	9-15	90-110	2100	74/265	30%WORN	
29	NB27	DB	LX 16	6		0.5sq IN	4195.5	71.5	16.3	4.4	5-9	50	3750	54/194	20%WORN	