FINAL PRINT

Schlumberger

BOREHOLE COMPENSATED SONIC LOG

GP3613

Permit # 20014

COMPANY	THE STONE PETROLEUM CORPORATION
WELL	CENTRAL AGENCY #2
FIELD	WILDCAT
COUNTY	HOLT
STATE	MISSOURI
LOCATION	2140' FNL & 820' FWL
SECT.	28
TWP.	63N
RANGE	40W
Other Services	DIL-SFL-GR, ML-GR, CNL-LDT-GR, CYBERLOOK
Permanent Datum	GL
Elev.	869.2 F
Log Measured From	KB
	6.0 F above Perm. Datum
Elev.: K.B.	875.2 F
D.F.	873.2 F
G.L.	869.2 F
Drilling Measured From	KB

Date	MAY 25 1989
Run No.	ONE
Depth Driller	3720.0 F
Depth Logger (Schl.)	3716.0 F
Btm. Log Interval	3678.0 F
Top Log Interval	456.0 F
Casing-Driller	8 5/8 @ 460.0 F
Casing-Logger	456.0 F
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL
Dens. / Visc.	8.70 LB/G / 47.0 S
pH / Fluid Loss	10.0 / 8.2 C3
Source of Sample	FLOWLINE
Rm @ Meas. Temp.	2.100 OHMM @ 74.0 DEGF
Rmf @ Meas. Temp.	1.820 OHMM @ 74.0 DEGF
Rmc @ Meas. Temp.	2.810 OHMM @ 74.0 DEGF
Source: Rmf / Rmc	PRESSED / CALCULATED
Rm @ BHT	1.487 OHMM @ 109. DEGF
Circulation Ended	1400 5/26
Logger on Bottom	1700 5/26
Max. Rec. Temp.	109 DEGF
Equip. / Location	8365 / GREAT BEND
Recorded By	BORAHAM
Witnessed By	DALE

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 interpretation 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.	ONE
Service Order No.	628261
Drilling Fluid Level	6.0 F
Salinity	3000.0 PPM
Rmf @ BHT	1.131 OHMM @ 109. DEGF
Rmc @ BHT	2.032 OHMM @ 109. DEGF
Logging Speed	1800.0 F/HR
EQUIPMENT DATA	
Tool Number 1	DIS-EE 1286
Tool Number 2	DIC-DB 685
Tool Number 3	MCD-DA 1470
Tool Number 4	SLS-WA
Tool Number 5	SLC-FA
Tool Number 6	SGC-JC
Tool Number 7	SGD-TAB
Tool Number 8	SLM-DA 1647
Tool Number 9	EM-BD 1268
Tool Number 10	NSM-A 2902
Tool Number 11	
Tool Number 12	

REMARKS:

THANKS FROM THE CREW OF 8365

DAVE & MIKE

SONIC AND DIL-SFL RAN IN COMBO

SONDE CENTERED. CME-Z USED

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
ITT	.00100000 S	RIGHT EDGE

GR (GAPI) 0.0 – 150.00; CALI(IN) 6.0000 – 16.000; GR (GAPI) 150.00 – 300.00; SPHI .30000 – -.1000; DT (US/F) 140.00 – 40.000; DT (US/F) 240.00 – 140.00; TENS(LBF) 10000. – 0.0

CP 32.2 FILE 4 26-MAY-1989 18:25

5"/100'

5"/100'

CP 32.2 FILE 4 26-MAY-1989 17:26

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	41.7	FEET	AMPL	44.1	FEET
CBFS	43.1	FEET	CBL	44.1	FEET
TT2	44.1	FEET	TT1	43.1	FEET
TT4	39.3	FEET	TT3	40.3	FEET
TT	44.1	FEET	T0	44.1	FEET
CBSL	44.1	FEET	TTSL	44.1	FEET
CALI	31.9	FEET	GR	64.7	FEET
ILM	6.1	FEET	ILD	9.9	FEET
SP	2.5	FEET	SFL	6.8	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	8.70000	LB/G	MSEC	9.20000	MM/M
SBR	1.00000	OHMM	DSEC	5.40000	MM/M
FCD	5.50000	IN	DWCO	512	
DSIN	5	US	DDEL	200	US
DTF	189.000	US/F	DTM	47.6000	US/F
CDTS	100.000		SPFS	WYL	
BS	7.87500	IN	BHS	OPEN	

EVENT MARK SUMMARY:

OUTPUT	INTERVAL BETWEEN PIPS	DEPTH TRACK EDGE
ITT	.00100000 S	RIGHT EDGE

CHANGED PARAMETERS

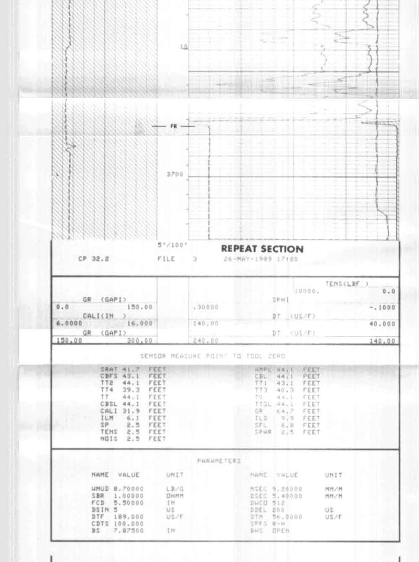
NAME	VALUE	UNIT	DEPTH (F)	NAME	VALUE	UNIT	DEPTH (F)
DTM	47.6000	US/F	3730.0	SPFS	WYL		3730.0

GR (GAPI) 0.0 – 150.00; CALI(IN) 6.0000 – 16.000; GR (GAPI) 150.00 – 300.00; SPHI .30000 – -.1000; DT (US/F) 140.00 – 40.000; DT (US/F) 240.00 – 140.00; TENS(LBF) 10000. – 0.0

REPEAT SECTION

CP 32.2 FILE 3 26-MAY-1989 17:25

5"/100'



5"/100'

REPEAT SECTION

CP 32.2 FILE 3 26-MAY-1989 17:20

GR (GAPI) 0.0 – 150.00; CALI(IN) 6.0000 – 16.000; GR (GAPI) 150.00 – 300.00; SPHI .30000 – -.1000; DT (US/F) 140.00 – 40.000; DT (US/F) 240.00 – 140.00; TENS(LBF) 10000. – 0.0

SENSOR MEASURE POINT TO TOOL ZERO

SRAT	41.7	FEET	AMPL	44.1	FEET
CBFS	43.1	FEET	CBL	44.1	FEET
TT2	44.1	FEET	TT1	43.1	FEET
TT4	39.3	FEET	TT3	40.3	FEET
TT	44.1	FEET	T0	44.1	FEET
CBSL	44.1	FEET	TTSL	44.1	FEET
CALI	31.9	FEET	GR	64.7	FEET
ILM	6.1	FEET	ILD	9.9	FEET
SP	2.5	FEET	SFL	6.8	FEET
TENS	2.5	FEET	SPAR	2.5	FEET
NOIS	2.5	FEET			

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
WMUD	8.70000	LB/G	MSEC	9.20000	MM/M
SBR	1.00000	OHMM	DSEC	5.40000	MM/M
FCD	5.50000	IN	DWCO	512	
DSIN	5	US	DDEL	200	US
DTF	189.000	US/F	DTM	56.3000	US/F
CDTS	100.000		SPFS	W-H	
BS	7.87500	IN	BHS	OPEN	

BEFORE SURVEY CALIBRATION SUMMARY

DITD ELECTRONICS CALIBRATION SUMMARY

	MEASURED ZERO	MEASURED PLUS	CALIBRATED ZERO	CALIBRATED PLUS	UNITS
ILD	[illegible]	[illegible]	0.0	[illegible]	MM/M
ILM	.50	509.8	0.0	500.0	MM/M
SFL	.22	540.5	0.0	500.0	MM/M

ILD SONDE ERROR CORRECTION : 5.4 MM/M

ILM SONDE ERROR CORRECTION : 9.2 MM/M

SGTE DETECTOR CALIBRATION SUMMARY

	MEASURED BKGD	MEASURED JIG	CALIBRATED	UNITS
GR	53	202	165	GAPI

MCDB CALIPER CALIBRATION SUMMARY

	MEASURED SMALL	MEASURED LARGE	CALIBRATED SMALL	CALIBRATED LARGE	UNITS
CALI	8.20	12.2	8.00	12.0	IN