PR-7
3655

CENTURY GEOPHYSICAL CORPORATION
Tulsa, Oklahoma

BOREHOLE	PR · 7
DATE	05 · 19 · 82
UNIT/OPERATOR	7736/M. RUSH
FIELD OFFICE	CASPER
COMPANY	SILVER KING
BOREHOLE	PR · 7
AREA	PETERSON
ELEVATION	
COUNTY	FALL RIVER
STATE	SOUTH DAKOTA
SECTION	10
TOWNSHIP	7S
RANGE	1E

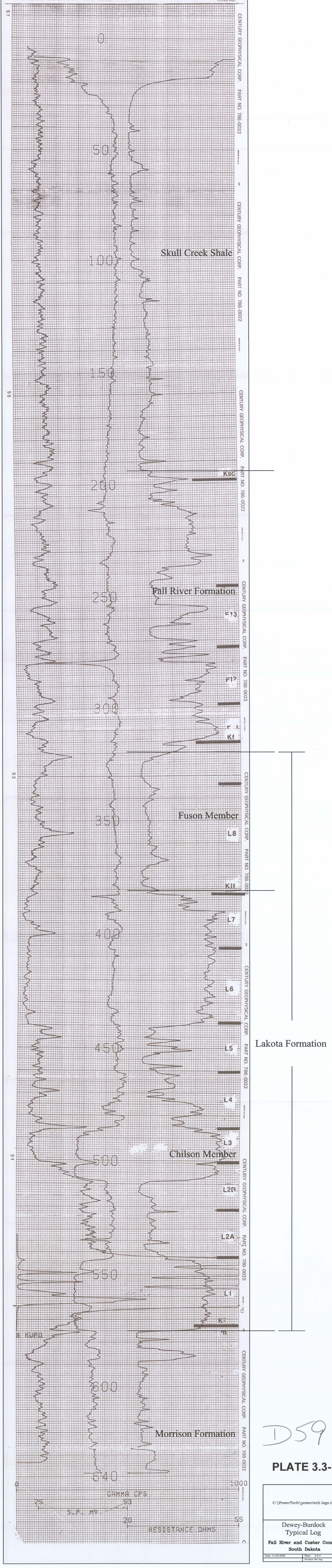
HOLE DATA

TOTAL DEPTH — DRILLER	640 FT	BIT SIZE	5⅞ IN
TOTAL DEPTH — LOGGER	640 FT	CASING — TYPE & SIZE	—
TOTAL FOOTAGE LOGGED	640 FT	CASING DEPTH	—
LOGGING SPEED	60 FT/MIN	BOREHOLE FLUID	MUD
REFERENCE LEVEL	GL	FLUID RESISTIVITY	— @ °F
PROBE NO.	9055·53	SOFTWARE LEVEL	V8·2 *A
		SCALE SELECTION	☒ OPERATOR ☐ CLIENT

REMARKS: OPEN HOLE

EQUIPMENT DATA

		9010	9030	9055/56	9080
PROBE MODEL		9010	9030	9055/56	9080
PROBE DIAMETER		1.67"	2.0"	1.67"	1.4"
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI	NaI	NaI
	DETECTOR SIZE	.875" x 1.25"	1.125" x 4.0"	.875" x 4.0"	.5" x 3.0"
	STD. K-FACTOR	1.58 x 10⁻⁶	—	.566 x 10⁻⁶	1.62 x 10⁻⁶
	STD. DEADTIME	1 μsec	—	1.18 μsec	1 μsec
	CALIB. MODEL LOC.		—	CASPER	
	CALIB DATE		—	5.8.82	
	K-FACTOR x 10⁻⁶		—	.5769	
	DEADTIME μsec		—	.776	
	TEST READING		—	—	
	WATER FACTOR		—	1.126	
	CASING FACTOR		—	—	
DENSITY	DETECTOR TYPE	—	NaI	—	NaI
	DETECTOR SIZE	—	.5" x 1.5"	—	.5" x 3.0"
	SOURCE TYPE	—	Cs¹³⁷	—	Cs¹³⁷
	SOURCE NO.	—		—	
	SOURCE STRENGTH	—		—	
	SOURCE SPACING	—		—	
NEUTRON	DETECTOR TYPE	—	—	He³	—
	DETECTOR SIZE	—	—	1.0" x 6.0"	—
	SOURCE TYPE	—	—	AmBe	—
	SOURCE NO.	—	—	—	—
	SOURCE STRENGTH	—	—	—	—
	SOURCE SPACING	—	—	—	—
SINGL. PT RESISTANCE		1.4"D x 2.5"L	—	1.4"D x 2.5"L	1.1"D x 2.5"L
RESISTIVITY		—	8" FOCUSED	—	—
SELF POTENTIAL		YES	—	YES	YES
TEMPERATURE		—	—	YES	—
DEVIATION		—	—	YES	—
CALIPER		—	YES	—	—



D59

PLATE 3.3-1

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Dewey-Burdock
Typical Log

Fall River and Custer Counties
South Dakota

Date: 11-05-2008	Plate: 2.6.4
	File Name: PR-7.dwg