COMPENSATED DENSITY LOG
SIDE WALL NEUTRON LOG

GEARHART-OWEN WIRELINE SERVICES

FILING NO. GL03108 74 08 104

COMPANY: CER CORPORATION / ERDA
WELL: CGEH #1
FIELD: China Lake NWC
COUNTY: Inyo
STATE: CALIFORNIA
Location:
Other Services: IES, X-Y Caliper, Temp Log
Sec. 6 Twp. 22S Rge. 39E

Permanent Datum: GL. Elev.: 4358.5
Log Measured From: GL. 21 Ft. Above Perm. Datum
Drilling Measured From: K.B.
Elev.: K.B. 4379, D.F., G.L. 4358.5

Date	9-25-77
Run No.	ONE
Depth—Driller	1368
Depth—Logger	1342
Bottom logged interval	1341
Top logged interval	20'
Type fluid in hole	GEL-Chem
Density / Visc.	68 / 48
Ph / Fluid Loss	9.5 / 16.8 cc
Max rec. temp., deg F.	
Source of Samples	Flowline
Rm @ Meas. Temp.	3.1 @ 92 °F
Rmf @ Meas. Temp.	2.7 @ 76 °F
Rmc @ Meas. Temp.	2.9 @ 72 °F
Source Rmf / Source Rmc	Meas / Meas
Time: End Circulation	0630
Time: Logger on Bottom	0842
Recorded By	Walter Jilla
Witnessed By	Mr. Appleton

Run No.	Bit	From	To	Casing Size	Wgt.	From	To
ONE	12¼	601	TD	13⅜		Surf	601

FIELD PRINT

EQUIPMENT DATA / CALIBRATION DATA

Run No.	Tool No.	Source No.		Logging Unit	Location	Gamma Ray API Scale	Gamma Ray BKG CPS	Gamma Ray CAL. CPS	Sidewall Neutron CAL. Scale	Sidewall Neutron BKG. CPS	Sidewall Neutron CAL. CPS
ONE	7112	161		7519	BAK	0-200	30	150	87 / 28.096	99 / .1018	89 / .0167

LOGGING DATA

RUN NO.	Depths From	Depths To	Speed Ft/Min	GR T.C.	Sens. Setting	Zero Div. L	API GR Units Per Log Div.	SWN T.C.	Por. Scale	Matrix Type	Temp. Grad.	Salinity NACL PPM	Mud Wt. Lb/Gal	Surf Temp.	Hole Size
ONE	1342	20	20	3			20	3	0-60%	2.65	1°/100	1950	9.09	68	12¼

Equipment Data

Run No.	Tool No.	Source No.	Panel No.		Logging Unit	Location
ONE	2197	CSV-124	DOL		7519	BAK

Calibration Data

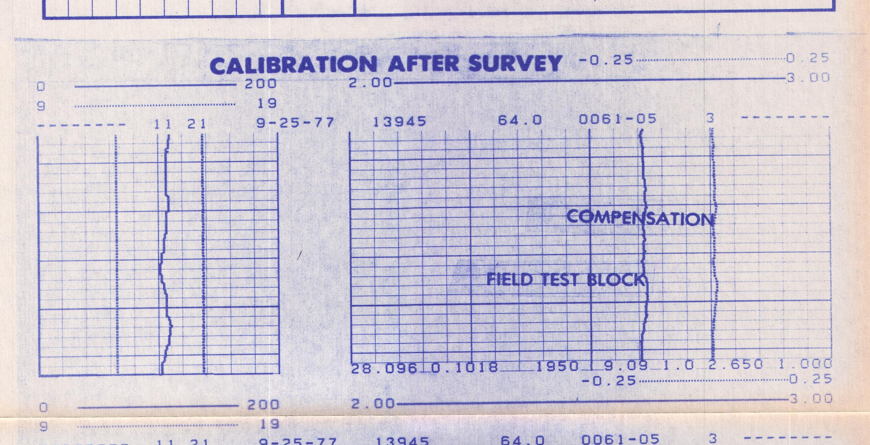
Run No.	Gamma Ray API Scale	Gamma Ray Background CPS	Std. CPS	CDT Ds CPS AT	2.0	3.0	Dl CPS AT	2.0	3.0
ONE	0-200	30	150	Aluminum	90 / 315	91 / 442	Magnesium	92 / 1383	93 / 630

GAMMA RAY ONLY RAN THROUGH CASING FROM 600' TO 20'

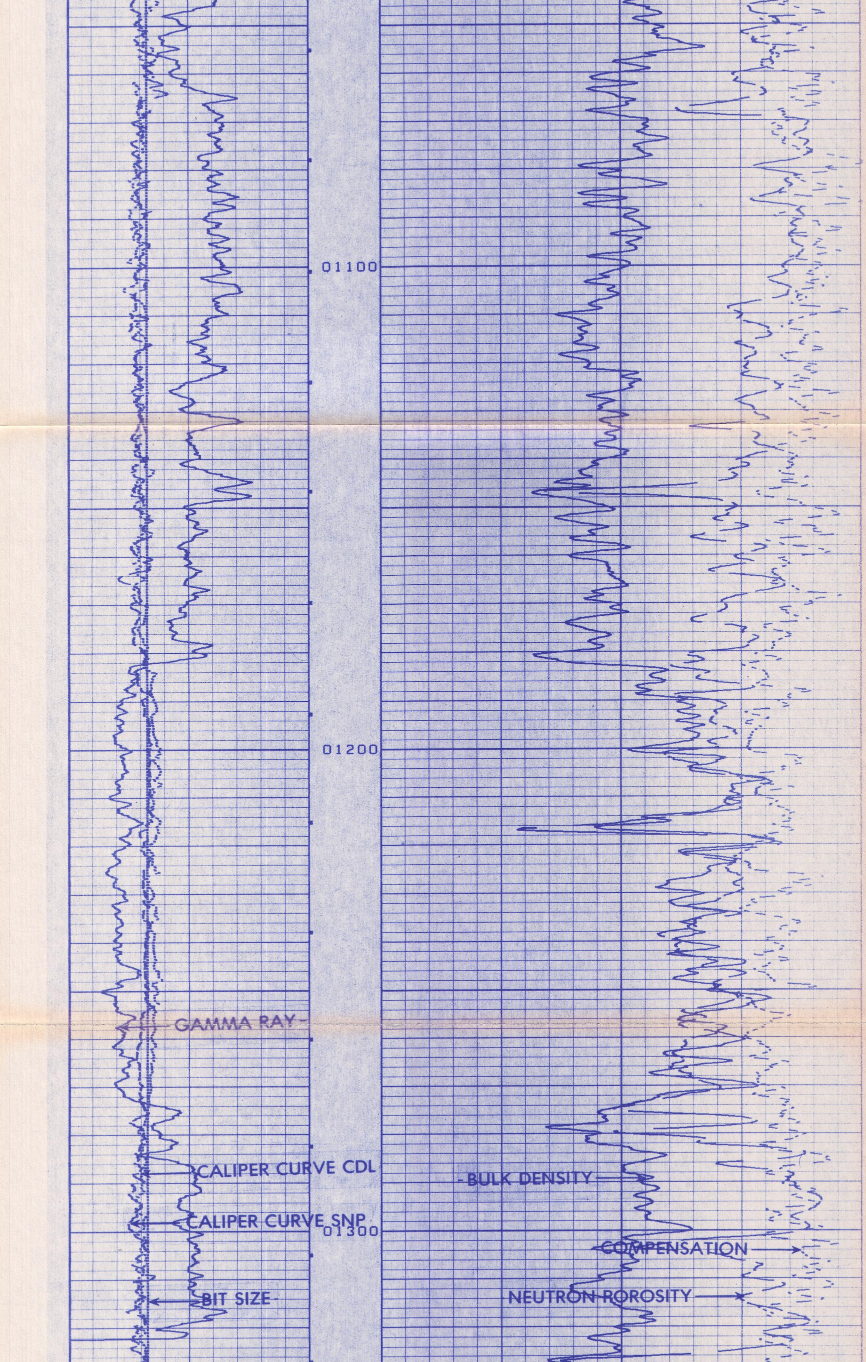
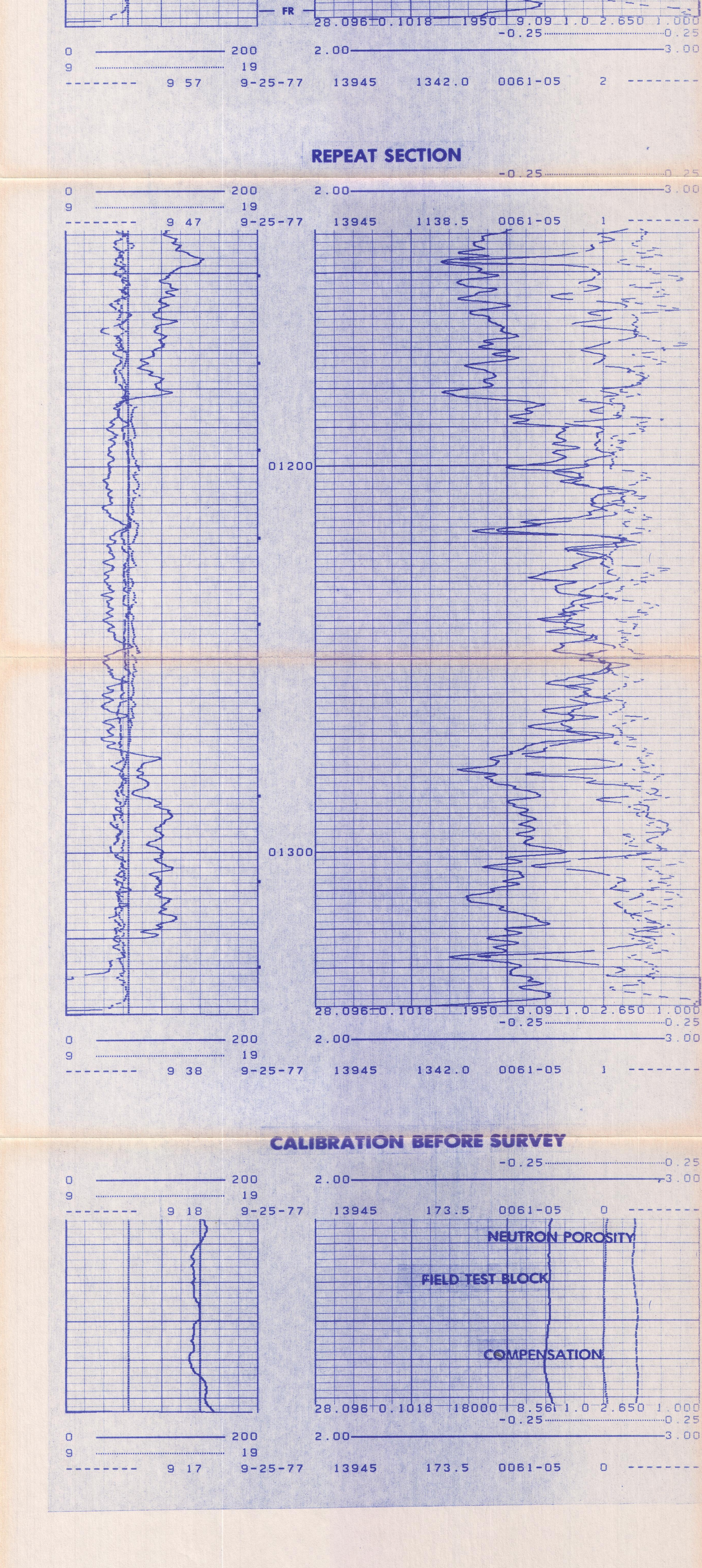
GAMMA RAY API UNITS (0 – 200)	DEPTHS	BULK DENSITY GRAMS/CC (2.0 – 2.5 – 3.0)
CALIPER HOLE SIZE - INCHES (9 – 19)		NEUTRON LIMESTONE POROSITY 60% – 0% ; CORRECTION −.25 – 0 – +.25

FORM 102H

CALIBRATION AFTER SURVEY



REPEAT SECTION



CALIBRATION BEFORE SURVEY