



WEDGE DIA-LOG, INC.

Wedge Energy Group

GAMMA RAY DEPTH CONTROL LOG

RUNNING NUMBER 39641 1210-4990-97 1218		COMPANY PENNZOIL EXP. & PROD. CO. WELL ASAU #164 FIELD ATOKA-SAN ANDRES UNIT COUNTY EDDY		STATE: NEW MEXICO			
		LOCATION: 2349' FSL & 187.5' FEL		OTHER SERVICES: JB/GR PERF (SF)			
		SEC: 11 TWP: 18-S RGE 26-E					
PERMANENT DATUM: GROUND LEVEL ELEV.: 3303'				ELEV.: K.B.: 3309'			
LOG MEASURED FROM: K. B. 6 FT. ABOVE PERM. DAT.				D.F.: 3308'			
DRILLING MEASURED FROM: KELLY BUSHING				G.L.: 3303'			
DATE		10/16/97					
RUN NUMBER		ONE					
TYPE LOG		GAMMA RAY DCL					
DEPTH - DRILLER		1850'					
DEPTH - LOGGER		1830'					
LOGGED INTERVAL		1100' TO 1830'		TO			
OPERATING RIG TIME		1 HR.					
TYPE FLUID IN HOLE		KCL					
SALINITY, PPM CL.		N/A					
DENSITY - VISCOSITY		N/A					
LEVEL		FULL					
MAX. REC. TEMP., DEG. F		N/A					
EQUIPMENT-LOCATION		6349 HOBBS NM		710S6349			
RECORDED BY		MR. SI SNEROS					
WITNESSED BY		MR. WARD					
RUN	BORE - HOLE RECORD			CASING RECORD			
NO.	BIT	FROM	TO	SIZE	WEIGHT	FROM	TO
				5.5		SURFACE	T. D.

THIS HEADING CONFORMS TO API STANDARD PRACTICE RP - 33