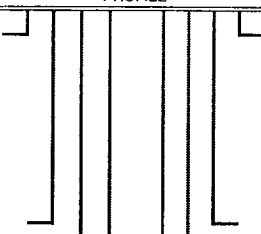
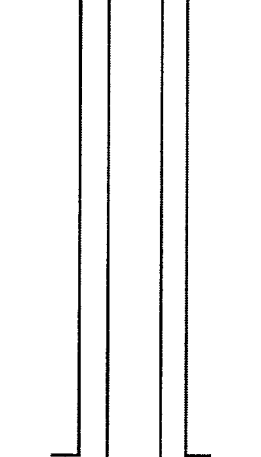
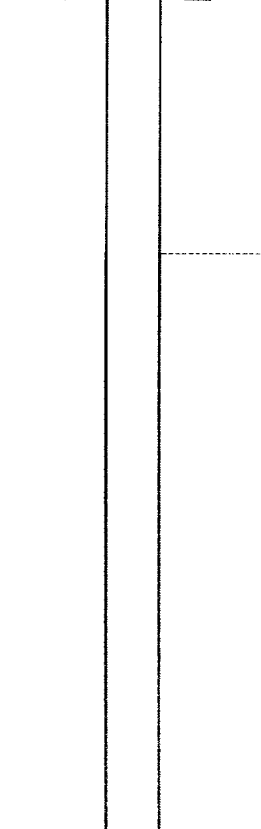


OCEAN ENERGY
WELL SUMMARY

LEASE: HARROD SURF LOC: 1452' FNL & 1675' FEL, SEC 9 - T16S - R35E
AREA: LEA CO., NM BHL: STRAIGHT HOLE
WELL #: "9" STATE #2
FIELD: TOWNSEND

ENGR: WILEY L. KIRK
RIG: UNKNOWN
ELEV. 4017
KB:

DIRECTIONAL	OPEN HOLE LOGGING	SANDS/ MARKERS	DEPTH		CASING PROFILE	HOLE SIZE	CASING DETAILS	MUD WT. & TYPE	MAXIMUM DOGLEG SEVERITY
			TVD	MD					
STRAIGHT HOLE	<u>E-LOGS</u> NONE		60'	60'		PRESET	20" CONDUCTOR		
			500'	500'		17-1/2" HOLE	13-3/8", 48# H-40, STC	GEL/LIME SPUD MUD 8.6 PPG	1°/100'
STRAIGHT HOLE	<u>E-LOGS</u> NONE	RUSTLER	1790'	1790'		11" HOLE		H ₂ S DETECTOR	
		YATES	2980'	2980'				DRILL OUT W/ SPUD MUD - ADD BRINE AND CIRCULATE BRINE WATER RESERVE PIT pH = 10 LCM 32-34 VIS	
		SAN ANDRES	4600'	4600'					
			5000'	5000'				8-5/8, 32# K-55 HC, LTC	10.3 PPG
STRAIGHT HOLE	<u>MUD LOGGER</u> ON @ 5000' 10' SAMPLES	GLORIETTA	6150'	6150'		7-7/8" HOLE	TOC	CIRCULATE FRESH WATER RESERVE PIT pH = 10 LCM	
		TUBB	7300'	7300'					
			7800'	7800'					
		ABO	8300'	8300'					
		WOLFCAMP	9500'	9500'					
		DST ???	10500'	10500'					
		DST???	11300'	11300'					
		DST???	11500'	11500'					
		DST???	11920'	11920'					
		DIL/ SFL - SP- GR - CAL	12000'	12000'					
		CNU/ LDT - GR- CAL	12200'	12200'					
		CHES*ER TD	12300'	12300'				5-1/2", 17# L-80 & P-110, LTC	9.5 PPG
								8.5 PPG 9.5 PPG ADD BRINE TO WEIGHT UP FOR WOLFCAMP FL <12CC MUD UP BEFORE ATOKA 9.5 PPG FL <5 CC pH = 10 VIS = 36-42	2°/100'

