

COMPANY SIRGO OPERATING INC.
WELL EAST PEARL QUEEN UNIT NO. 84
LOCATION SECTION 27 TWP 19S RGE 35E
COUNTY LEA STATE NEW MEXICO
ELEVATION DR GL 3713' KB 3725'
SUPERVISING ENGR. M.L. PIERCE
DEPTH LOGGED FROM 4300' TO 5150'
DATE LOGGED FROM 6-2-90 TO 6-9-90
NRS - NEW BIT
DCB - DIAMOND CORE BIT
DST - DRILL STEM TEST
NR - NO RETURN
CO - CIRCULATED OUT

MORCO GEOLOGICAL SERVICES

SAND	LIMESTONE	GRANITE WASH
SILTSTONE	DOLOMITE	CONGLOMERATE
SHALE	ANHYDRITE	CHERT

GAS CHROMATOGRAPH ANALYSIS

METHANE	BUTANE
ETHANE	PENTANE
PROPANE	

MINI/FT	DRILLING RATE FT/HR	TOE (FWD)	LITHOLOGY	LOGGED UNIT T/F	FLOOR LOG	OIL STAIN	HYDROCARBON ANALYSIS LOG MAN SERVICE * CHROMATOGRAPH TOTAL GAS ANALYSIS	REMARKS
								W V F CK PH CL
SET 8525" CSG AT 416"							PETERSON RIG 2	
BIT NO. 2 WALKER McDONALD							ONE MAIN LOGGING ON AT 5:55 A.M.	6-2-90
33 OF IN AT 416							RIG SAMPLES	
							HOT WIRE CALIBRATION	
							% C1 = 100 UNITS	
							CHROMATOGRAPH TEST	
							C1 = 225	
							C2 = 385	
							C3 = 315	
							C4 = 185	
							C5 = 80	
DEV AT 3/68 1 1/2"							DRILLING WITH BRINE	
4263 1"							WATER FLOW AT APPROX 2200'	
							80-90 BBL/S / HR	
		4300						
		20						
		40						
		60						
		80						
		4400						
		20						
		40						
		60						
		80						
		4500						
		20						
		40						
		60						
		80						
		4600						
		20						
		40						
		60						
		80						
		4700						
		20						
		40						
		60						
		80						
		4800						
		20						
		40						
		60						
		80						
		4900						
		20						
		40						
		60						
		80						
		5000						
		20						
		40						
		60						
		80						
		5100						
		20						
		40						
		60						
		80						
		5150						
		6-9-90						
		1140 MST						

AUG 1990