

COMPANY **SIRGO OPERATING INC.**
 WELL **WEST PEARL QUEEN UNIT NO 191**
 LOCATION SECTION **28** TWP **19S** RGE **35E**
 COUNTY **LEA** STATE **NEW MEXICO**
 ELEVATION DR. **GL 3722'** KB
 SUPERVISING ENGR. **M.L. PIERCE**
 DEPTH LOGGED FROM **4300'** TO **5075'**
 DATE LOGGED FROM **5-2-90** TO **5-5-90**

MORCO GEOLOGICAL SERVICES

SAND LIMESTONE GRANITE WASH
 SILTSTONE DOLOMITE CONGLOMERATE
 SHALE ANHYDRITE CHERT

GAS CHROMATOGRAPH ANALYSIS

METHANE BUTANE
 ETHANE PENTANE
 PROPANE

MIN/FT	DRILLING RATE FT/HR	LOG POND	LITHOLOGY	LEAKED UNRECORDED TFG	FLUOR W/OIL	OIL STAIN	HYDROCARBON ANALYSIS LOG MAN SERVICE * CHROMATOGRAPH ANALYSIS	REMARKS W V F CK PH CL
							ONE MAN UNIT BEGIN LOGGING 5-2-90	
							NOT WIRE CALIBRATION % CI = 100 UNITS	
							CHROMATOGRAPH TEST C1= 215 C2= 360 C3= 275 C4= 150 C5= 25	
							PETERSON RIG 2	
							DEV 4288 1 1/2"	
							RIG SAMPLES	
							50 100 150	
							DOLO: crm, beige, tan, sm lt brn, vfn to micro xln, dns, frm, v/ anhy	
							ANHY: wht, off wht, clr, vfn to in xln, sm mass, sm sh strings	
							DOLO: off wht, buff, tan, lt brn, beige, vfn to micro xln, dns, frm to hrd, v/ anhy, abundant cavings	
							DOLO: crm, off wht, wht, lt tan, beige, buff, vfn to micro xln, dns, frm to hrd, v/ anhy, sm sli shly, tr vfn ss	
							SS: lt gry, clr, vfn grn, wll srt'd, poorly indur, v/ dolo, sm sli arg	
							SAMPLES 20-30 % CAVINGS	
							DOLO: crm, tan, beige, off wht, sm lt gry, vfn to micro xln, dns, frm to hrd, v/ anhy, tr sandy in prt, sm sli arg	
							abundant cavings - redbeds	
							DOLO: crm, off wht, beige, tan, sm lt gry, vfn to micro xln, dns, frm to hrd, v/ anhy, tr sandy in prt	
							SAMPLES 40 = 50% CAVINGS REDBEDS	
							SH: lt grn, blu grn, vfn grn, sft, gummy	
							DOLO: crm, ltgry, wht, off wht, vfn to micro xln, dns, frm to hrd, sm sli arg, v/ anhy, abundant cavings	
							SH: lt grn, blu grn, vfn grn, v/ sft, gummy, sm w/ embedd snd grns	
							DOLO: crm, buff, lt gry, tan, off wht, vfn to micro xln, dns, frm to hrd, tr sandy in prt, sm sli arg, SAMPLES 40 = 50% CAVINGS	
							SH: lt grn, blu grn, vfn grn, sft, gummy, blkly	
							DOLO: crm, beige, off wht, tan, vfn to micro xln, dns, frm to hrd, v/ anhy	
							SAMPLES 50 - 70% CAVINGS	
							60 - 70% CAVINGS	
							DOLO: crm, lt brn, tan, off wht, beige, pred vfn xln, sm micro xln, dns, frm to hrd, sm mottld, v/ anhy	
							TRIP HOLE IN PIPE	
							SCALE CHANGE	
							SH: lt grn, blu grn, vfn, grn, blkly, sft, gummy	
							60 - 70% CAVINGS	
							SS: lt gry, clr, frstd, vfn grn, wll srt'd, sub ang to sub rdd, poorly induratd, v/ dolo, sm grg to siltstn, no fluor, no cut	
							DOLO: lt brn, beige, tan, vfn to micro xln, dns, frm to hrd, sm v/ sandy	
							PLINE RAN OUT OF FUEL - TRASHED BIT TOH - LEFT CORN IN HOUR PREP TO FISH	
							SS: lt gry, clr, frstd, wll srt'd, tr fluor, tr dil yell dry cut, NOTE: SAMPLE VERY TRASHY BECAUSE OF TRIP, BREAK DID NOT SHOW UP BECAUSE OF DAMAGED BIT. SAMPLES 40 - 60% CAVINGS	
							DOLO: tan, beige, brn, lt gry, micro xln, sm vfn xln, dns, hrd, mottled, tr v/sandy in prt	
							CONN AND LAG - 42 MIN	
							SS: lt gry, clr, vfn grn, wll srt'd, sub ang to sub rdd, poorly induratd, sm sli frs, v/ dolo, SAMPLES VERY TRASHY, MINOR RED BEDS	
							SS: lt gry, clr, frstd, fr to vfn grn, wll srt'd, sub ang to sub rdd, fr to med induratd, all dolo tr bldg gas, tr dull yell fluor, tr dull yell dry cut	
							SS: same as above	
							NOTE SCALE CHANGE	
							SS: lt gry, clr frstd, sm gry-wht, vfn grn, wll srt'd, sub ang to sub rdd, fr to med induratd, tr bldg gas v/ dolo in prt	
							SS: lt gry, clr, frstd, gry wht, wll srt'd, vfn grn, sub ang to sub rdd, sm sli frs, sm v/ dolo 40% brght yell gold fluor, good, fast dry cut, sm oil string from ppt, 2 - 3 inches grn-brn oil on pits	
							SS: same as above, 40% brght yell gold fluor, 100% brght yell dry cut	
							DOLO: crm, off wht, tan, beige, sm lt gry, pred micro xln, sm vfn xln, dns, frm to hrd, sm sandy in prt	
							SAMPLES 60 - 70% CAVINGS	
							DOLO: crm, tan, off wht, beige, tr lt gry, vfn to micro xln, dns, frm, sm sli sandy,	
							SS: lt gry, clr, f. std, sm gry-wht, vfn grn, wll srt'd, sub ang to sub rdd, fr to med cons, v/ dolo	

RECEIVED
MAY 2 1990