SOFTROCK GEOLOGICAL SERVICES

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WELL INFORMATION COMPANY: Phillips Petroleum WELL NAME: San Juan 32-7 * 211R LOCATION: 790' FSL 1580' FWL Sec 35 T32N R7W San Juan County, NM ELEVATION: 6541' GL 6557' KB FIELD: Basin Fruitland INTERVAL LOGGED: 3123 - 3336 DATE LOGGED: 7/30/98 CONTRACTOR: Big A 53, David Green Co. Man SPUD DATE: 7/25/98 WELLSITE GEOLOGISTS: Dan Wyckoff, Mike Tichi SECTION 35 GAS INSTRUMENTATION: FID Chromatograph and Total Gas Detector HOLE SIZES - CASING DATA - MUD TYPES CONGL 12.25" to 376' 8.75" to 3123' HOLE SIZES: 6.25" from 3123 to TD SS 9 5/8" to 376' K55 36 LB 7" to 3123' K55 20 LB CASING SIZES: SLTST SH MUD TYPES: Produced Water COAL **ABBREVIATIONS** LITHOLOGY MODIFIERS CHERT Ck - Filter Cake - Anhydritic CO - Circulate Out - Bentonitic SALT CG - Connection Gas - Calcareous - Depth Correction CC - Carbonaceous / Coaly DS - Directional Survey ANHY - Dolomitic DST - Drill Stem Test - Fossiliferous DTG - Down Time Gas - Glauconitic LS LAT - Logged After Trip - Dolitic NB - New Bit - Pyritic DOL 0B - 01d Bit - Siliceous NR - No Returns – pH of Mud – Pump Pressure **IGNEOUS** SPECIAL SYMBOLS RPM - Rotary Speed BENTONITE SPM – Pump Śtrokes - Core || - DST TG - Trip Gas TUFF Vis - Viscosity of Mud - Desorption Can WL - Water Loss of Mud

WOB - Weight on Bit

WT - Weight of Mud

- Slide

