Sheet 1

SCHLUMBERGER WELL SURVEYING CORPORATION

CHARTER WELL REPORT

Company: Charter Petroleum Company, Inc.
Lease: Charter Petroleum Co. Inc. Well No. 1
Field: Wildcat
County: Lincoln County, Kansas
Elevation: 1800 ft. Gr. Datum: Sea Level
Logged Interval: 3500 ft. Depth Reference: Kelly Bushing
Date: 1-1-1900 Time: 00:00 Recorded by: Unknown
Witnessed by: Unknown

Hole Size: 7 7/8 in. Casing Size: 8 5/8 in. Casing Depth: 3500 ft.
Mud Type: Unknown Mud Density: 9.0 lb/gal Mud Viscosity: 40 sec
Max Temp: 100 °F Max Rec Temp: 90 °F Max Rec Time: 24 hrs
Rm: 0.5 Ω-m Rmf: 0.4 Ω-m Rmc: 0.6 Ω-m
Rm @ Temp: 0.5 Ω-m Rmf @ Temp: 0.4 Ω-m Rmc @ Temp: 0.6 Ω-m
Source Rmf: Unknown Source Rmc: Unknown
Rm @ Max Rec Temp: 0.5 Ω-m Equipment: Unknown
Recorded by: Unknown Witnessed by: Unknown

Depth Scale: 1 in. = 100 ft.

Depth (ft)	Gamma Ray (API)	Caliper (in.)	Resistivity (Ω-m)	Lithology
3500	0	6	0.1	Limestone
3600	50	7	1	Dolomite
3700	100	8	10	Shale
3800	150	9	100	Sandstone
3900	200	10	1000	Anhydrite
4000	250	11	10000	Salt
4100	300	12	100000	Chert
4200	350	13	1000000	Coal
4300	400	14	10000000	Unknown
4400	450	15	100000000	Other
4500	500	16	1000000000	
4600	550	17	10000000000	
4700	600	18	100000000000	
4800	650	19	1000000000000	
4900	700	20	10000000000000	
5000	750	21	100000000000000	
5100	800	22	1000000000000000	
5200	850	23	10000000000000000	
5300	900	24	100000000000000000	
5400	950	25	1000000000000000000	
5500	1000	26	10000000000000000000	