Drilled Sidewall Core Analysis Report

Company : Union Oil Company of California

Field : Red Hills

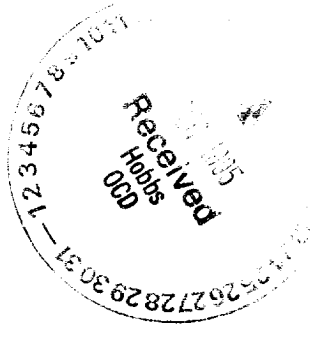
Well : Red Hills "28" Federal Com. No.2

Location : 1980' FNL & 660' FWL Sec.28 T25S R33E

Formation : Wolfcamp

Lea County, New Mexico

Sample Number	Depth ft	Air Permeability mD	Porosity %	Grain Density g/cc	Sw %	So %	Gas Units	Fluorescence %	Fluorescence Description	Sample Description
1	13,406.0	.012	1.50	2.78	47.99	0.00	39	0		Sltst blk ang wl/srt wl/consol calc shy pyr
2	13,419.0	.128	3.86	2.71	30.45	0.00	200	0		Ss gy-dk gy vfg-mg sba pf/srt wl/consol calc cgl shlam tr pyr frac
3	13,445.0	.018	4.21	2.68	62.12	0.00	35	0		Ss gy-dk gy vfg-mg sba pr/srt wl/consol calc cgl shlam shy tr pyr
4	13,462.0	.012	2.82	2.76	28.66	0.00	200	0		Sltst blk ang wl/srt wl/consol calc shy pyr
5	13,486.0	.009	0.36	2.70	37.24	0.00	37	0		Ls gy vfxln mdst-wkst sdy slty fos nvp
6	13,532.0	.033	6.35	2.73	34.06	0.00	52	0		Ls lt gy fxln wkst cgl sdy fos intpar por
7	13,546.0	.011	1.96	2.69	36.44	0.00	4	0		Ls gy vfxln mdst-wkst sdy slty fos intxln por
8	13,571.0	.094	28.80	2.57	87.15	0.00	19	0	Mf dul yl	Trip cht tn vfxln mdst-wkst sdy slty clay chky por
9	13,585.0	.068	1.39	2.69	18.16	0.00	200	0		Ls gy vfxln mdst-wkst sdy slty styl intxln por
10	13,617.0	.010	1.20	2.82	35.13	0.00	200	0	Mf dul orng	Dol gy vfxln mdst-wkst slty calc intxln por
11	13,664.0	.087	0.45	2.70	93.49	0.00	7	0		Ls gy-dk gy vfxln mdst-wkst cgl slty fos sl shy intpar por
12	13,673.0	.011	0.89	2.70	55.60	0.00	3	0		Ls gy-dk gy vfxln mdst-wkst cgl slty fos sl shy intpar por
13	13,927.0	.011	6.85	2.65	40.28	0.00	150	0		Sltst blk ang wl/srt wl/consol v calc carb v shy
14	14,168.0	.008	1.38	2.56	38.77	0.00	200	0		Sltst blk ang wl/srt wl/consol carb v shy calc lam
15	14,214.0	.008	4.67	2.61	43.29	0.00	150	0		Sltst blk ang wl/srt wl/consol v sl calc carb v shy
16	14,289.0	.007	0.13	2.59	66.44	0.00	5	0		Sltst blk ang wl/srt wl/consol carb v shy
17	14,420.0	.008	0.61	2.67	59.62	0.00	14	0		Ss gy-dk gy vfg ang-sba mod/srt wl/consol calc slty shy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