

Drilled Sidewall Core Analysis Report

Company : Southwestern Energy
 File No. : 01869
 Well : Lonesome Dove "25" Fed. Com. #1
 Location : Sec. 25, T16S, 29E

Field: Wildcat
 Formation: Miscellaneous
 County: Eddy County, New Mexico

Sample Number	Depth ft	Air Permeability mD	Porosity %	Grain Density g/cc	Sw %	So %	Gas Units	Fluorescence %	Description	Sample Description

Glorieta

1	4,215.0	0.089	6.5	2.82	54.5	18.7	500	95	Brt ylt-gld	Dol: tn gy fn xlln sm ppp
Cisco										
2	8,822.0	8.67	9.2	2.71	66.6	0.0	12	0	Tr dl mf	Ls: lt gy wkst-pkst sm biomoldic por
3	8,862.0	2.21	12.4	2.71	55.9	0.0	23	0	Tr dl mf	Ls: lt gy wkst-pkst sm moldic por
4	8,957.0	0.036	7.7	2.70	57.3	0.0	11	0	Tr dl mf	Ls: lt gy wkst-pkst sm moldic por
5	8,963.0	0.002	8.5	2.67	61.5	0.0	11	0	Tr dl mf	Ls: lt gy wkst-pkst sm moldic por
6	9,353.0	0.196	10.0	2.71	42.8	7.7	487	40	Brt gld sp	Ls: lt gy wkst-pkst sm moldic por
7	10,508.0	0.002	3.5	2.68	54.4	0.0	362	0		Ls: gy lt gy mdst chty
Morrow										
8	10,685.0	0.040	13.8	2.75	51.9	0.0	272	0		Ss: lt gy vfg mod cem sm cc & dol cem
9	10,686.0	0.006	12.5	2.75	41.8	0.0	388	0		Ss: lt gy vfg mod cem sm cc & dol cem tr pyr
10	10,704.0	0.143	8.7	2.67	48.7	0.0	63	0		Ss: lt gy fn-med grns mod cem sm cc cem poss clays
11	10,705.0	2.57	10.0	2.66	62.1	0.0	163	0		Ss: lt gy fn-med grns mod cem sm cc cem poss clays
12	10,706.0	2.89	7.2	2.69	42.8	0.0	162	0		Ss: lt gy fn c grn mod cem sm cc cem poss clays
13	10,707.0	0.929	10.5	2.72	63.0	0.0	264	0		Ss: lt gy m-c grns mod cem sm cc cem sm pyr poss clays
14	10,708.0	0.029	4.6	2.68	40.9	0.0	61	0		Ss: lt gy m-c grns mod-wl cem sm cc cem poss clays