

Drilled Sidewall Core Analysis Report

Company : Louis Dreyfus Natural Gas Corporation

Field : Happy Valley

Well : Happy Valley No. 29-46

Formation : Delaware

Location : 330' FSL 330' FEL Sec.28 T22S R26E

Eddy County, New Mexico

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

1	1,787.0	1.13	13.88	2.68	74.86	0.00	2	0		Ss lt gy lg sbr mod-w/ert w/consol v al calc sl shy
2	1,795.0	16.7	16.18	2.67	62.66	7.06	2	100	Dul y lam	Ss lt gy lg sbr-rnd w/ert w/consol al calc gd o stn
3	1,835.0	.411	12.66	2.70	85.31	0.00	2	0		Ss gy lg sbe-sbr mod-w/ert w/consol v al calc sh lam
4	1,885.0	4.67	18.06	2.68	83.67	0.00	2	0		Ss lt gy lg sbr mod-w/ert w/consol al calc sl shy
5	1,909.0	6.20	18.55	2.67	83.40	3.64	2	10	Y lam	Ss lt gy lg sbr mod-w/ert w/consol al calc sl shy pr o stn
6	2,012.0	10.2	19.28	2.67	84.60	2.43	3	0	Y lam	Ss lt gy lg sbr-rnd mod-w/ert w/consol v al calc pr o stn
7	2,151.0	.373	11.53	2.71	86.11	0.00	5	0		Ss gy lg vfg sbe-sbr mod-w/ert w/consol calc sh lam
8	2,232.0	6.64	18.89	2.68	82.34	7.74	200	100	Y lam	Ss lt gy lg sbr-rnd mod-w/ert w/consol v al calc gd o stn
9	2,239.0	6.39	19.16	2.67	89.27	0.00	4	0		Ss lt gy lg sbr-rnd mod-w/ert w/consol v al calc sl shy
10	2,256.0	3.05	18.85	2.68	79.56	0.00	4	0		Ss lt gy lg sbr mod-w/ert w/consol v al calc sl shy
11	2,367.0	.470	15.37	2.69	75.79	6.80	16	0	Y lam	Ss gy lg vfg sbe mod-w/ert w/consol v al calc sl shy pr o stn
12	2,399.0	.430	14.10	2.67	51.21	22.06	200	100	Y lam	Ss gy lg vfg sbe-sbr mod-w/ert w/consol v al calc sl shy gd o stn
13	2,499.0	6.53	19.85	2.64	59.62	15.38	200	100	Y lam	Ss lt gy lg sbr-rnd mod-w/ert w/consol gd o stn
14	2,524.0	13.3	20.55	2.63	51.20	11.96	200	100	Y lam	Ss lt gy lg sbr-rnd mod-w/ert w/consol v al calc gd o stn
15	2,541.0	5.10	17.67	2.64	62.47	15.62	200	100	Y lam	Ss gy lg sbr-rnd mod-w/ert w/consol v al calc shy gd o stn
16	2,585.0	1.24	17.06	2.66	67.24	7.98	200	100	Y lam	Ss lt gy lg sbr mod-w/ert w/consol v al calc sl shy gd o stn
17	2,593.0	2.40	17.02	2.68	69.57	12.64	200	100	Y lam	Ss lt gy lg sbr mod-w/ert w/consol v al calc sl shy gd o stn
18	2,598.0	2.51	18.28	2.66	70.65	11.31	70	20	Y lam	Ss lt gy lg sbr mod-w/ert w/consol v al calc sl shy pr o stn
19	2,635.0	2.79	17.02	2.66	86.78	0.00	10	0		Ss lt gy lg sbr mod-w/ert w/consol al calc sl shy
20	2,642.0	1.81	18.35	2.67	82.71	0.00	7	0		Ss lt gy lg sbr mod-w/ert w/consol v al calc sl shy