

Drilled Sidewall Core Analysis Report

Company : Louis Dreyfus Natural Gas Corporation

Field : Happy Valley

Well : Happy Valley No. 29-44

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	
21	2,682.0	6.65	18.71	2.66	76.78	0.00	8	0		Ss lt gy lg abr mod-w/ert w/consol sl calo al sh
22	2,696.0	5.96	17.58	2.67	85.22	0.00	7	0		Ss lt gy lg abr mod-w/ert w/consol sl calo al sh
23	2,741.0	7.71	17.49	2.68	59.05	9.85	200	100	Dul y lam	Ss lt gy lg abr mod-w/ert w/consol sl shy gd o sh
24	2,767.0	4.39	17.10	2.68	72.75	0.00	13	0		Ss lt gy lg abr mod-w/ert w/consol v sl calo sh lam
25	2,816.0	.889	17.94	2.66	74.56	0.00	8	0		Ss gy lg-vlg abr mod/ert w/consol v sl calo sh lam
26	2,847.0	.958	16.79	2.66	76.50	0.00	7	0		Ss gy lg-vlg abr mod/ert w/consol v sl calo sh lam
27	2,891.0	.544	14.77	2.64	54.48	19.21	200	100	Dul gd	Ss gy lg-vlg abr-aba mod/ert w/consol sh lam gd o sh
28	2,921.0	.478	17.31	2.65	76.80	0.00	10	0		Ss gy lg-vlg abr-aba mod/ert w/consol v sl calo sh lam
29	2,997.0	.682	17.79	2.66	76.49	0.00	8	0		Ss gy lg-vlg abr-aba mod/ert w/consol v sl calo sh lam
30	3,211.0	1.02	15.90	2.65	62.10	8.20	80	50	Gld lam	Ss gy lg abr mod-w/ert w/consol sh lam mod o sh
31	3,221.0	5.12	15.88	2.66	54.85	14.99	150	80	Gld lam	Ss gy lg abr w/ert w/consol v sl calo sh lam gd o sh
32	3,235.0	3.33	15.59	2.66	66.85	9.18	85	50	Gld lam	Ss gy lg abr mod-w/ert w/consol v sl calo sh lam mod o sh
33	3,240.0	3.37	19.62	2.65	75.60	2.65	45	20	Gld lam	Ss gy lg abr mod-w/ert w/consol v sl calo sh lam pr o sh
34	4,073.0	1.31	16.61	2.65	69.32	8.38	25	tr	Gld ep	Ss lt gy lg abr mod-w/ert w/consol v sl calo pr o sh
35	4,090.0	18.5	14.17	2.67	42.47	15.54	200	100	Brt yf ep	Ss lt gy lg-mg abr-rnd mod-w/ert w/consol v sl calo gd o sh
36	4,096.0	47.7	16.96	2.66	43.61	14.14	200	100	Brt yf ep	Ss lt gy mg-fg md w/ert w/consol v sl calo gd o sh
37	4,193.0	15.7	15.82	2.65	60.74	15.40	200	100	Gld ep	Ss lt gy lg-mg abr-rnd mod-w/ert w/consol sl calo gd o sh
38	4,191.0	9.79	15.60	2.65	57.32	7.33	150	100	Yf lam	Ss lt gy lg-mg abr-rnd mod-w/ert w/consol sl calo al shy gd o sh
39	4,196.0	5.37	15.33	2.65	64.31	2.45	18	tr	Yf	Ss lt gy lg-mg abr mod-w/ert w/consol sl calo pr o sh
40	4,258.0	1.66	14.45	2.64	45.97	11.36	200	100	Yf	Ss gy lg abr mod-w/ert w/consol v sl calo gd o sh