

Drilled Sidewall Core Analysis Report 30-025-37358

Company : Edge Petroleum Op. Co., Inc.
 File No. : 06487
 Well : South East Lusk 34 Fed No. 3
 Location : 330' FNL & 330' FWL, Sec 34, T19S, R32E

Field: Lusk
 Formation: Delaware
 County : Lea County, New Mexico

Sample Number	Depth	Grain Density	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm
	ft	g/cc	%	mD	mD	%	mD	mD	%	mD	mD	%	mD	mD
			Confining Pressure 500psi			Confining Pressure 1,550psi			Confining Pressure 2,100psi			Confining Pressure 2,400psi		
1	4,445.0	2.65	15.24	2.28	1.97	14.21	1.83	1.57						
2	4,490.0	2.66	19.51	12.3	11.5	18.49	11.4	10.6						
3	4,566.0	2.66	23.07	73.8	71.5	22.02	69.0	66.8						
4	4,750.0	2.65	10.95	2.25	1.95	10.03	1.91	1.65						
5	4,763.0	2.63	14.89	2.57	2.23	13.95	2.15	1.86						
6	4,828.0	2.65	16.57	4.62	4.16	15.19	3.79	3.38						
7	4,870.0	2.63	21.74	80.9	78.5	20.73	75.3	73.0						
8	5,002.0	2.67	13.52	3.85	3.44	12.33	3.21	2.86						
9	5,823.0	2.64	13.50	0.4160	0.3278				12.40	0.2520	0.1893			
10	5,931.0	2.70	11.52	0.1977	0.1479				10.29	0.1045	0.0706			
11	6,351.0	2.62	5.45	0.0217	0.0116				3.71	0.0045	0.0015			
12	6,614.0	2.66	14.14	0.2915	0.2251				12.86	0.1469	0.1025			
13	6,720.0	2.66	13.55	0.2688	0.2031				12.71	0.1329	0.0912			
14	6,766.0	2.67	12.16	0.2157	0.1607				11.05	0.1019	0.0677			
15	6,875.0	2.67	14.84	9.25	8.57				13.80	8.17	7.53			
16	6,923.0	2.69	14.56	1.09	0.9165							12.33	0.6538	0.5400
17	6,972.0	2.65	20.76	41.4	39.8							19.20	36.8	35.2
18	6,997.0	2.68	13.75	0.4882	0.3943							12.16	0.1232	0.0847
19	7,185.0	2.66	17.70	0.7551	0.6113							14.88	0.4135	0.3250
20	7,225.0	2.65	15.80	0.7806	0.6480							14.53	0.4971	0.4047

GWW

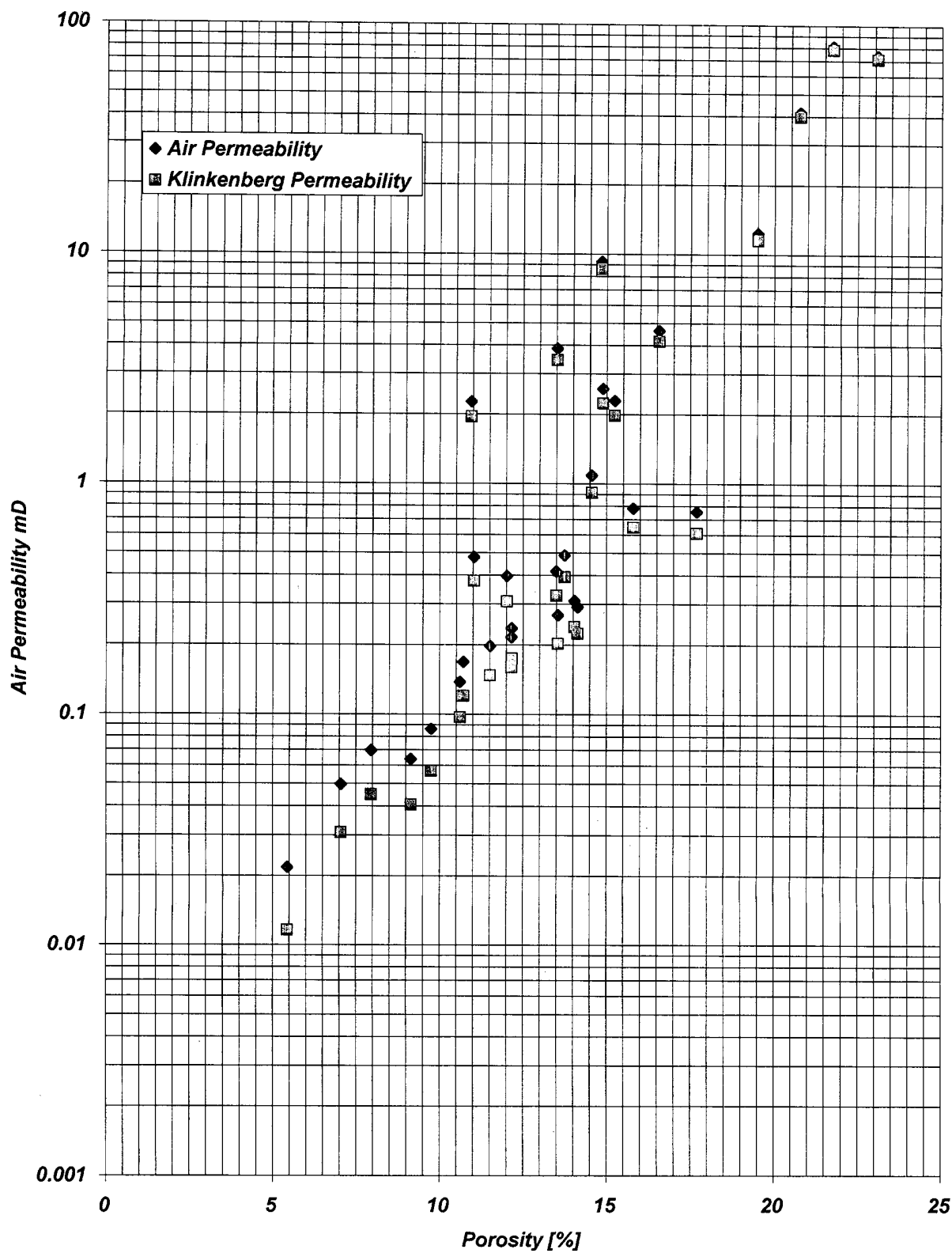
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	ft	g/cc	%	mD	mD	%	mD	mD	%	mD	mD	%	mD	mD
Confining Pressure 500psi						Confining Pressure 1,550psi			Confining Pressure 2,100psi			Confining Pressure 2,400psi		
21	7,275.0	2.67	14.04	0.3103	0.2401							13.01	0.1926	0.1414
22	7,309.0	2.66	7.06	0.0496	0.0308							6.07	0.0114	0.0051
23	7,327.0	2.68	9.15	0.0636	0.0406							8.23	0.0227	0.0112
24	7,346.0	2.67	10.62	0.1379	0.0971							9.52	0.0538	0.0319
25	7,374.0	2.65	12.02	0.3958	0.3096							10.48	0.0947	0.0623
26	7,384.0	2.65	12.17	0.2354	0.1751							10.82	0.1026	0.0683
27	7,408.0	2.67	9.76	0.0861	0.0568							8.56	0.0244	0.0123
28	7,624.0	2.68	7.96	0.0695	0.0449							6.85	0.0166	0.0079
29	7,644.0	2.65	11.04	0.4791	0.3793							9.96	0.3034	0.2335
30	7,653.0	2.68	10.72	0.1685	0.1200							9.50	0.1008	0.0670

Permeability versus Porosity @ 500psi



Permeability versus Porosity @ Confining Pressure

