SCAL, Inc

Drilled Sidewall Core Analysis Report

Company: Edge Petroleum Operating Company, Inc.
File No.: 05369
Well : Red Lake 28 "N" State No. 2
Location: 950' FSL & 1695' FWL, Sec 28, T17S, R28E

Field: Red Lake
Formation:
County: Eddy County, New Mexico

Sample Number	Depth ft	Air Permeability mD	Klinkenberg Permeability mD	Porosity %	Grain Density g/cc	Sw %	So %	Gas Units	Fluorescence %	Fluorescence Description	Sample Description
Confining Pressure 500psi											
1	2,143.0	0.3020	0.2337	10.32	2.80	20.8	19.2	500+	100	Brt yl	
2	2,422.0	0.1720	0.1274	4.50	2.73	38.9	11.0	470	40	Yl-dl yl	
3	2,494.0	0.0568	0.0358	4.20	2.78	67.7	7.2	259	20	Yl-dl yl sp	
4	2,555.0	0.9177	0.7806	9.60	2.78	24.2	20.4	500+	100	Dl-v dl yl	
5	2,586.0	6.76	6.18	9.61	2.82	29.9	21.7	500+	100	Dl-v dl yl	
6	2,611.0	1.97	1.71	12.68	2.82	85.7	0.0	10	0	V dl gld mf	
7	2,700.0	9.52	8.82	14.71	2.82	69.3	tr	68	5	Dl yl lam	
8	2,721.0	0.9471	0.7966	11.15	2.79	39.7	13.6	186	60	Yl-dl yl sp	
9	2,823.0	0.0622	0.0401	6.17	2.80	62.5	0.0	384	tr	Dl yl sp	
10	2,912.0	0.0907	0.0665	4.72	2.76	55.0	tr	500+	5	Yl sp	
11	2,967.0	0.0804	0.0542	3.96	2.85	70.4	0.0	21	0		
12	3,123.0	5.61	5.09	10.15	2.84	86.6	0.0	12	tr	V dl yl-grn sp	
13	3,154.0	0.9125	0.7483	11.52	2.77	83.8	0.0	11	0		
14	3,190.0	25.4	24.1	11.90	2.83	53.4	4.0	240	10	Yl sp	
15	3,217.0	0.2337	0.179	7.88	2.83	84.0	0.0	20	0	V dl gld mf	
16	3,257.0	0.0334	0.0198	2.72	2.82	70.6	0.0	36	tr	Yl	
17	3,309.0	0.2328	0.1774	8.83	2.83	74.9	0.0	13	0		
18	3,388.0	0.1092	0.0764	8.36	2.71	67.8	tr	170	5	Yl lam	
19	3,434.0	0.1977	0.1456	11.93	2.78	54.2	0.0	500+	tr	Yl-grn	
20	3,453.0	0.0261	0.0142	9.13	2.81	38.9	18.5	500+	95	Yl-grn	

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Location:	***950' FSL & 1695' FWL, Sec 28, T17S, R28E***		

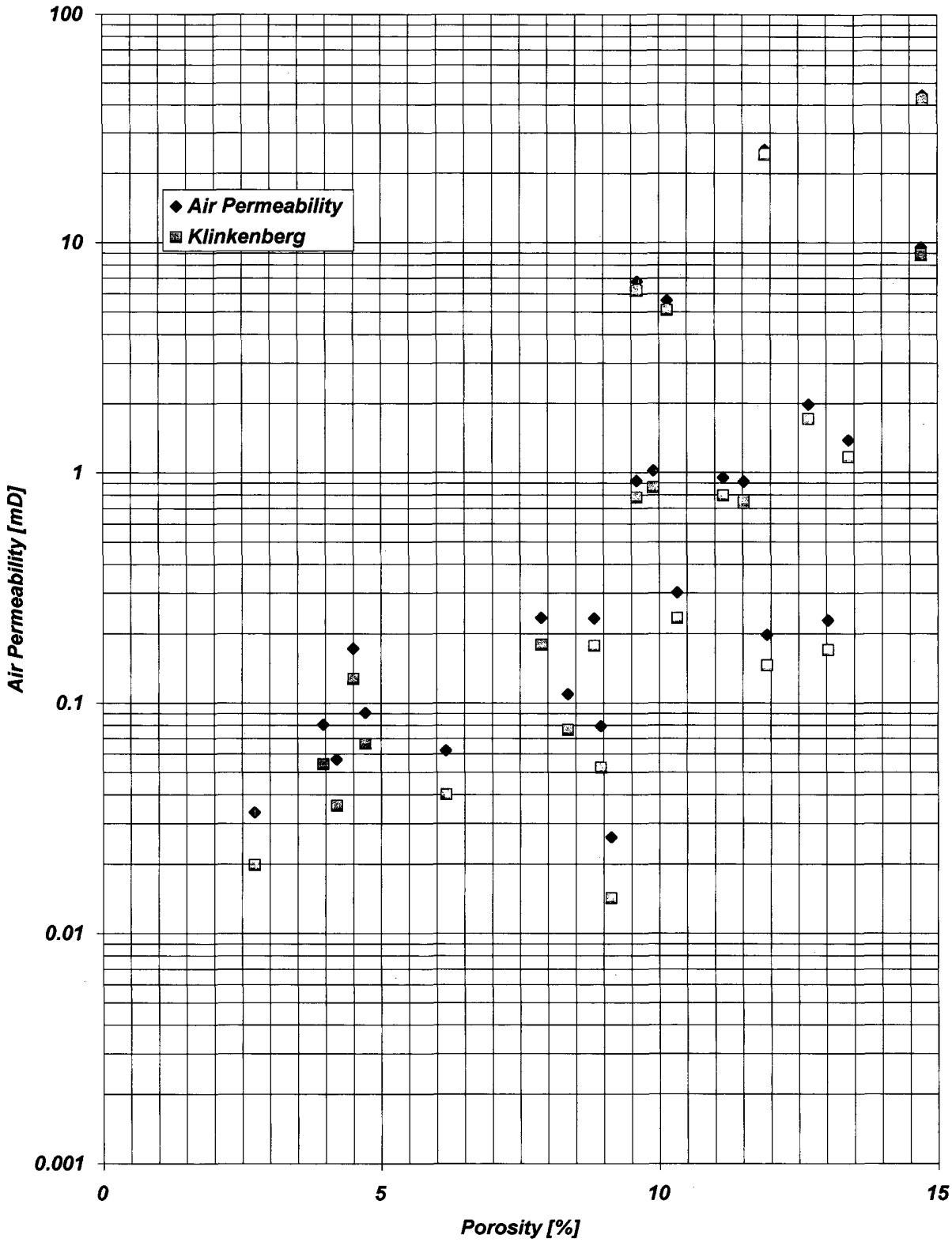
Sample Number	Depth	Air Permeability	Klinkenberg Permeability	Porosity	Grain Density	Sw	So	Gas Units	Fluorescence		Sample Description
	ft	mD	mD	%	g/cc	%	%		%	Description	
21	3,483.0	1.38	1.17	13.40	2.85	44.9	11.6	500+	35	Yl-v dl yl sp	
22	3,557.0	0.2283	0.1701	13.03	2.68	37.1	18.3	500+	100	Yl-dl yl	
23	3,589.0	0.0792	0.0524	8.95	2.80	39.5	17.8	500+	100	Dl yl	
24	3,623.5	1.02	0.8630	9.90	2.84	41.7	18.7	333	100	Dl-v dl yl	
25	3,653.0	44.1	42.4	14.74	2.84	48.3	17.5	500+	100	Dl yl	

Note: 500+ gas reading represents a saturated detector filament

1% CH4 in air = 100 gas units

Note: TBFA indicates samples that are too broken for analysis

Permeability versus Porosity @ 500psi Confining Pressure



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Field: Red Lake
Formation:
County : Eddy County, New Mexico

Sample Number	Depth	Grain Density	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm
	ft	g/cc	%	mD	mD	%	mD	mD	%	mD	mD
			Confining Pressure 500psi			Confining Pressure 850psi			Confining Pressure 1,100psi		
1	2,143.0	2.80	10.32	0.3020	0.2337	9.21	0.2019	0.1495			
2	2,422.0	2.73	4.50	0.1720	0.1274	4.10	0.1333	0.0958			
3	2,494.0	2.78	4.20	0.0568	0.0358	3.73	0.0292	0.0165			
4	2,555.0	2.78	9.60	0.9177	0.7806	9.21	0.835	0.7076			
5	2,586.0	2.82	9.61	6.76	6.18	9.10	6.52	5.95			
6	2,611.0	2.82	12.68	1.97	1.71	12.25	1.83	1.59			
7	2,700.0	2.82	14.71	9.52	8.82	12.50	9.14	8.46			
8	2,721.0	2.79	11.15	0.9471	0.7966	10.72	0.9043	0.7597			
9	2,823.0	2.80	6.17	0.0622	0.0401	5.70	0.0361	0.0209			
10	2,912.0	2.76	4.72	0.0907	0.0665	4.19	0.0702	0.0458			
11	2,967.0	2.85	3.96	0.0804	0.0542	3.42	0.0536	0.0337			
12	3,123.0	2.84	10.15	5.61	5.09	9.76	5.49	4.98			
13	3,154.0	2.77	11.52	0.9125	0.7483				10.68	0.7383	0.6012
14	3,190.0	2.83	11.90	25.4	24.1				10.89	30.4	29.0
15	3,217.0	2.83	7.88	0.2337	0.1790				7.51	0.1722	0.1273
16	3,257.0	2.82	2.72	0.0334	0.0198				1.60	0.0094	0.0043
17	3,309.0	2.83	8.83	0.2328	0.1774				8.33	0.1715	0.1256
18	3,388.0	2.71	8.36	0.1092	0.0764				8.01	0.0340	0.0195
19	3,434.0	2.78	11.93	0.1977	0.1456				11.44	0.1605	0.1164
20	3,453.0	2.81	9.13	0.0261	0.0142				8.73	0.0163	0.0078

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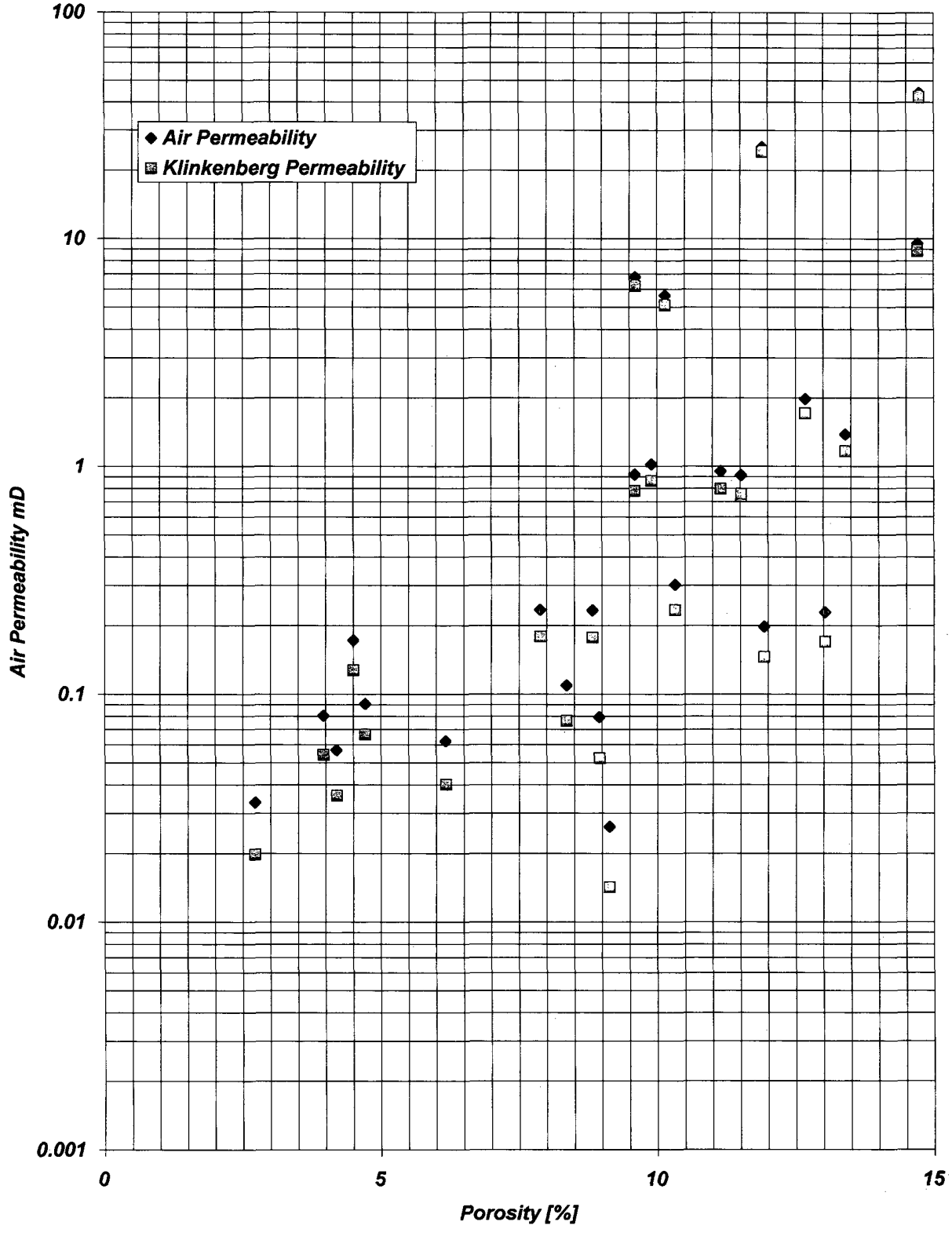
Sample Number	Depth	Grain Density	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm	Porosity	Air Perm	Kk Perm
	ft	g/cc	%	mD	mD	%	mD	mD	%	mD	mD
			Confining Pressure 500psi			Confining Pressure 850psi			Confining Pressure 1,100psi		
21	3,483.0	2.85	13.40	1.38	1.17				12.03	1.39	1.17
22	3,557.0	2.68	13.03	0.2283	0.1701				12.47	0.1646	0.1176
23	3,589.0	2.80	8.95	0.0792	0.0524				8.69	0.0664	0.0427
24	3,623.5	2.84	9.90	1.02	0.8630				9.50	0.9478	0.8016
25	3,653.0	2.84	14.74	44.1	42.4				14.21	43.8	42.2

Permeability versus Porosity @ 500psi



Permeability versus Porosity @ Confining Pressure