

EXHIBIT 5a. Wireline-Log-Defined Stratigraphic Data for the Dakota Producing Interval within and surrounding the Application Area.

Application Area:					
Well	KB elev	---Tops--- <i>General</i> Kg Kd		---Gross Thickness--- <i>Dakota</i> Kg Kd	

APPLICATION AREA					

RINCON UNIT					
164	6522	7035	7144	109	124
201	6677	7241	7351	110	163
231	6530	7077	7178	101	156
134	6464	7008	7124	116	118
156	6671	7500	7616	116	150
179	6638	7518	7629	111	151
161	6589	7437	7549	112	125
159	6628	7449	7568	119	---
157	6666	7454	7581	127	123
174	6594	7346	7481	135	115
108	6508	7269	7403	134	---
170	6517	7278	7405	127	133
175	6478	7286	7410	124	---
158	6525	7375	7494	119	130
181	6580	7457	7575	118	---
173	6582	7447	7568	121	134
146	6621	7508	7631	123	129
125	6629	7418	7534	116	131
182	6525	7365	7488	123	---
128	6689	7414	7544	130	132
149	6626	7312	7447	135	158
183	6651	7260	7386	126	140
166	6619	7290	7423	133	125
177	6720	7506	7647	141	---
133	6732	7526	7671	145	---
184	6795	7586	7727	141	---
185	6598	7313	7444	131	108
178	6603	7303	7439	136	120
138	6733	7444	7582	138	120
139	6648	7335	7462	127	127
172	6730	7421	7550	129	106
169	6707	7340	7467	127	122
202	6702	7370	7503	133	127
203	6686	7319	7436	117	114
229	6621	7211	7318	107	141
187	6698	7336	7455	119	142
193	6607	7180	7300	120	140
168	6596	7240	7368	128	148
Averages:		7347	7471	124	132
Total Producing Interval:				-----265-----	

80' producing interval in the

EXHIBIT 5a. cont.

Well	KB elev	----Tops----		--Gross Thickness--	
		Kg	Kd	Kg	Kd
-----SURROUNDING AREA-----					
BREECH E 58	6609	7262	7395	133	171
BREECH E 50E	6562	7210	7340	130	156
BREECH A 132E	6421	7060	7198	138	155
STATE B. COM. 233	6710	7273	7405	132	129
LINDRITH 13	6594	7084	7196	112	117
MILES FED. 1	6610	7073	7180	107	150
LINDRITH 110	6679	7090	7192	102	141
BREECH 224A	6463	6996	7096	100	116
STATE COM. 1	6632	7005	7104	99	114
FOSTER 2	6651	7157	7255	98	131
SJU 28-6 167	6485	7384	7492	108	133
SJU 28-6 103	6568	7434	7554	120	122
SJU 28-6 206	6292	7236	7346	110	144
SJU 28-6 179	6422	7324	7450	126	140
BREECH F 8	6616	7392	7515	123	163
JOHNSTON A 12	6744	7226	7345	119	---
SJU 28-7 182	6183	7017	7144	127	106
SJU 28-7 128	6530	7424	7541	117	121
SJU 28-7 166	6603	7334	7473	139	122
SJU 28-7 110	6579	7208	7326	118	132

Explanation:

All values in feet

Kg = Graneros; Kd = Dakota