

Core Review - General Lloydminster heavy oil belt of Saskatchewan

Within the heavy oil belt of Saskatchewan, TWP: 30 – 60 RGE'S: 18 – 28 W3M, sediments of the Mannville group were deposited in repeated alternations of thin marine and non-marine (channels) deposits. These “sand” reservoirs are generally of high quality in regards to porosity (exceeding 30%) and permeability (reaching 10 Darcie's). Reservoirs of the Colony, McLaren, Waseca, Sparky, General Petroleum, Rex, Lloydminster, Cummings and Dina formations exhibit such characteristics throughout the heavy oil belt of Western Saskatchewan.

A core review more specific to Kaisen's “Edam” property in T 48 Rge 19W3M and Husky's “Pike's Peak” property in T 50 Rge 24W3M, some 45 kms to the NW of Edam, suggests that both areas exhibit similar rock qualities.

HUSKY PIKES PEAK 12/08-01-50-24W3M core within the Waseca reservoir exhibits porosities greater than 30% and permeability's ranging from 2640 to 9610 Darcies and an average of 5112 Darcies.

CNRL EDAM 11/07-28-48-19W3M core also within the Waseca reservoir has porosities greater than 30% and permeability's ranging from 1730 to 6549 Darcies and an average of 4114 Darcies.

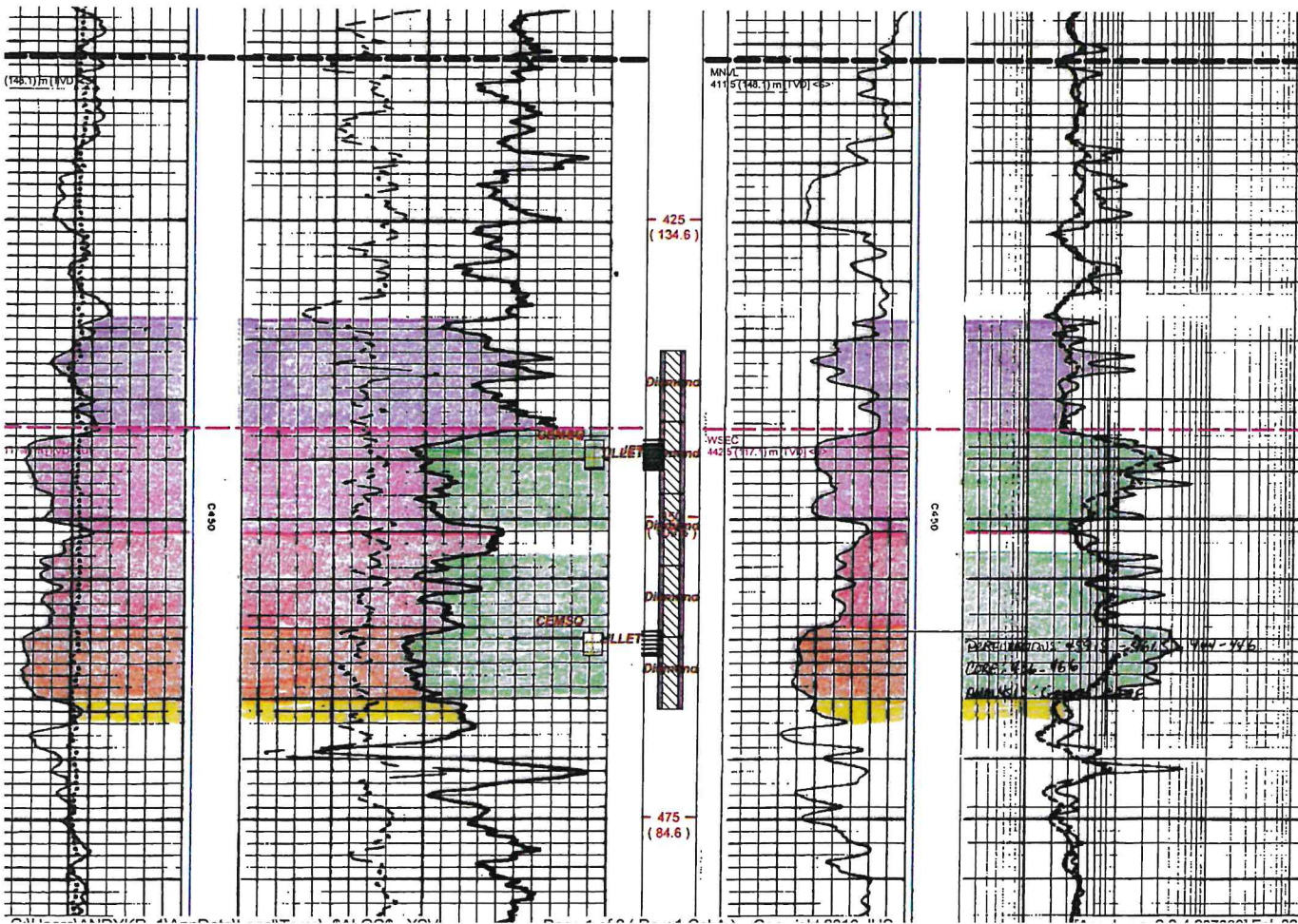
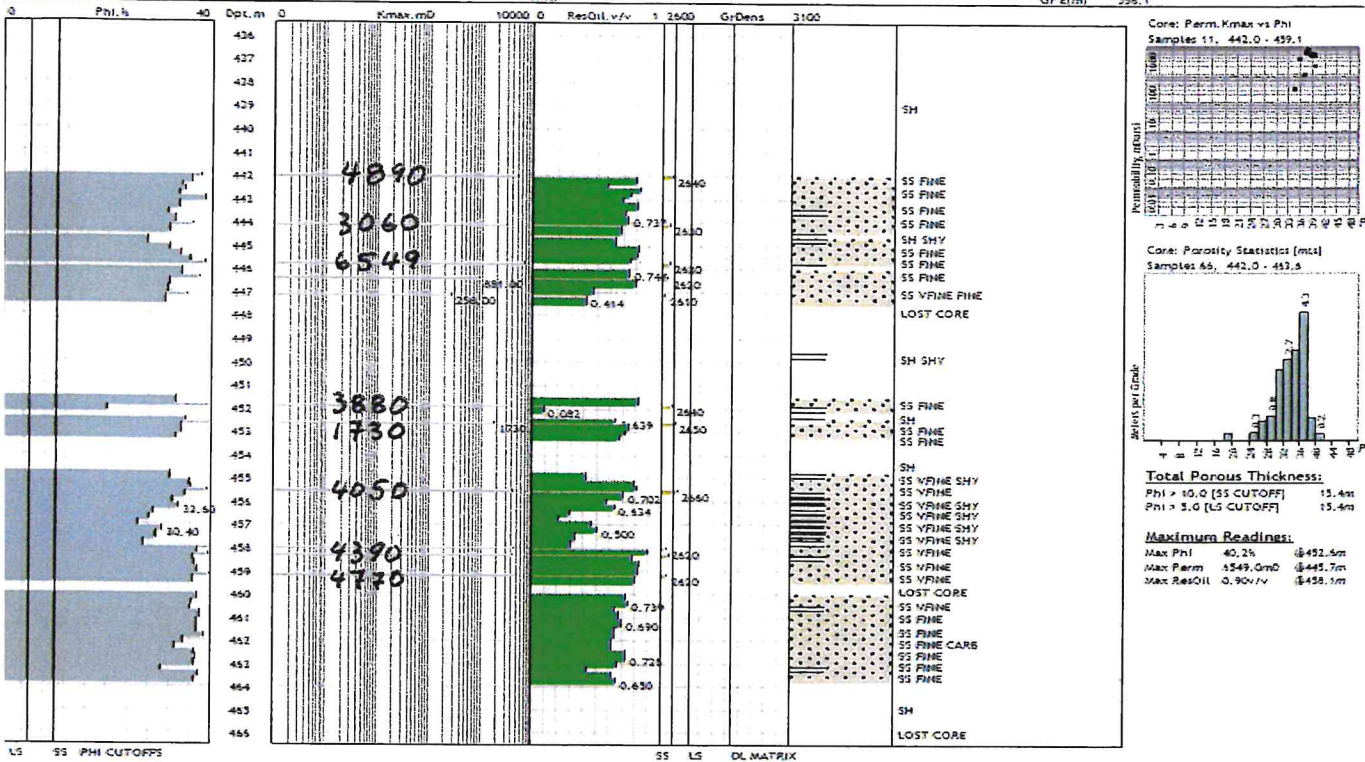
These two representative cores of their respective areas, 45 kms apart, demonstrate high quality rock parameters that are very similar to each other's area. Note here that the Edam core at 7-28 was not located in the prime extent of the reservoir as geologically (well control but no cores) and 3D geophysically mapped and it would be highly anticipated that cores taken within the “best” part of the reservoir would be of higher quality than the core at 7-28.

11/07-28-048-19W3/0

KB: 559.6 m RR: 1979-10-18
 TD: 591.0 m [TVD] FormTD: DPRW
 Mode: Abnd Fluid: Oil
 CNRL EDAM A7-28-48-19

Core Analysis Summary 11/07-28-048-19W3/0

UWI: 11/07-28-048-19W3/0	Status: Abandoned/Oil	License: 1979-10-10
Name: CNRL EDAM A7-28-48-19	Label: New Field Wildcat	Spud: 1979-10-12
License: CANADIAN NATURAL RESOURCES LIMITED	Field: EDAM	Rig Rel: 1979-10-18
Operator: CANADIAN NATURAL RESOURCES	Foot: EDAM WASECA	KB E(m): 559.6
On Prod: 1981-11-01	Unit:	Gr E(m): 556.1



12/08-01-050-24W3/0

KB: 612.6 m RR: 1982-09-27
 TD: 511.1 m [TVD] FormTD: WSEC
 Mode: Susp Fluid: Oil
 HUSKY PIKES PEAK EOR 2A8 1 50 24

Core Analysis Summary 12/08-01-050-24W3/0

UWI: 12/08-01-050-24W3/0	Status: Suspended/Oil	License: 1982-09-13
Name: HUSKY PIKES PEAK EOR 2A8 1 50 24	Laber: Development	Spud: 1982-09-24
License: HUSKY OIL OPERATIONS LIMITED	Field: PIKES PEAK	Rig Rel: 1982-09-27
Operator: HUSKY OIL OPERATIONS LIMITED	Pool: PIKES PEAK WASECA	KB E(m): 412.4
On Prod: 1983-12-17	Unit:	Gr Elm): 409.0

