Craigow-1

CPX Composite Interpretation

Company	Tap Oil Limited
Well Name	Craigow-1
Field	Craigow
Country	Australia
State	VIC
County or Rig name	Kan Tan IV
Field Location	GDA94
Latitude	055 38' 34.520" N DMS
Longitude	039 35' 31.740" E DMS
Perm. Datum	MSL
Elevation Perm. Datum	0.00 M
Water Depth (wrt EPD)	74.00 M
Elev. Log Zero (wrt EPD)	27.62 M
Above Perm. Datum	27.62 M
Log measured from	RT
Other Services Ln 1	None
Service company	Schlumberger
Date Plotted	Saturday, 1 January 2011
Time Plotted	6:33:45 AM

PETROLOG SOFTWARE VERSION 10.6.22.1

Chlorides= 51000mg/L FV= 51sec/qt PV= 17cP YP= 23bs100/Ft2 Tot.hardness = 100(Ca++)
Additional mud properties
Maximum recorded temperatures taken from three head thermometers at
Maximum deviation provided by directional drillers 1.48deg @ 1773.44m
RMF>RM and re-measured with same result
Log correlated to XXX over XXX interval giving DO = XXm. Tide correction of 0.12m applied.
Sonic Scanner main pass recorded in Standard mode from TD to top of cement
Sonic Scanner centrilized with one 2.5 standoffs and one LZME

Computation Parameters

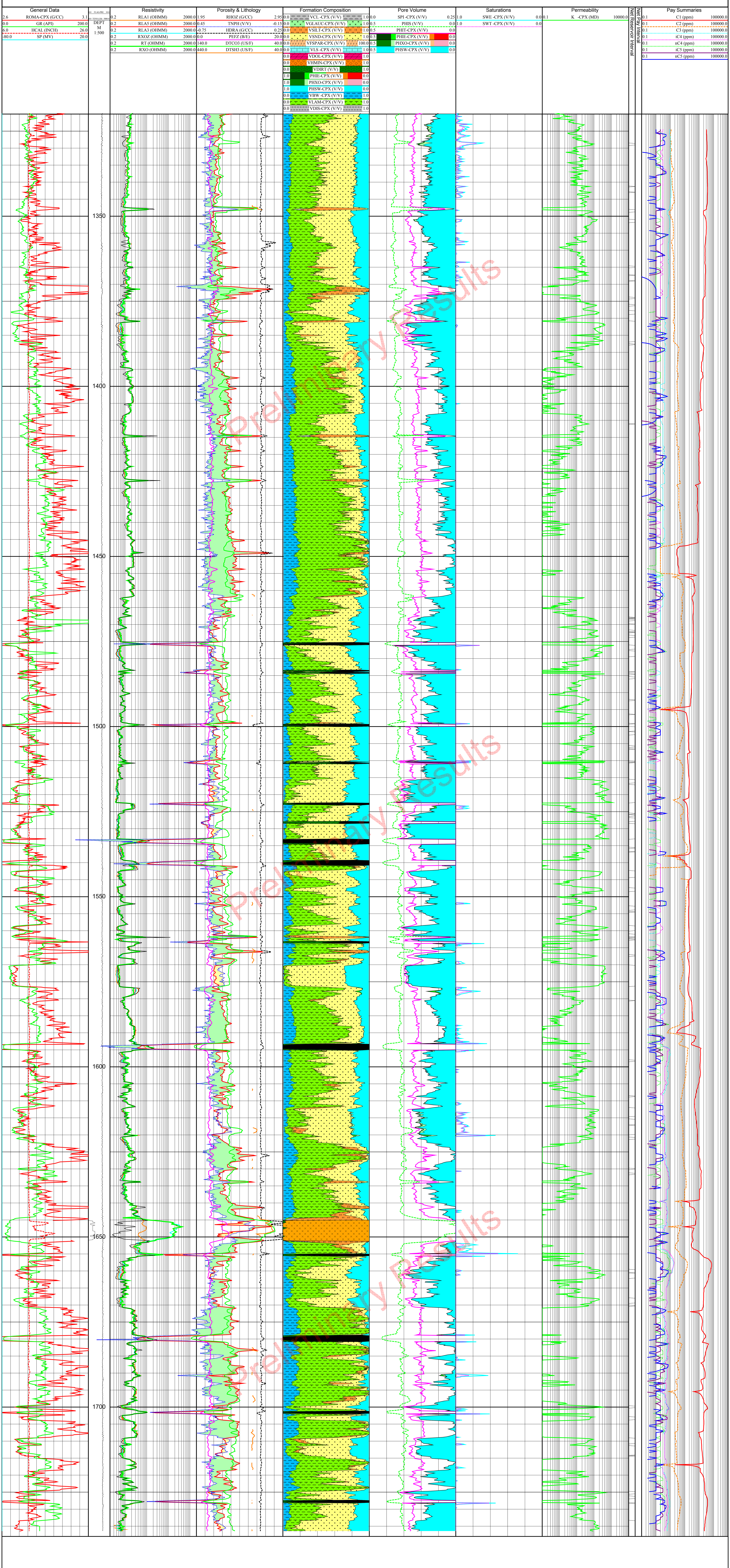
FORMATION	DEPTH INTERVAL	PPM	RW	RWT	GRMIN	GRMAX	RCLAY	RHOBC	PHINC	TCLAY	RHOH	COER	MXP
Eastern View Coal Measures-A	1306.982 - 1736.446	55000	0.062	157.437	15.00	105.03	5.63	2.42	0.393	108.28	0.80	1.00	2.00

Lithology / Shading Legend

Water	Siltstone	Limestone	Dirt	Dispersed Clay	Moved Oil
Claystone	Sandstone	Dolomite	Bound Water	black	Volcanics
Glauconite	Feldspars	Heavy Mineral	Laminated Shale	Oil	Coal

Log Description

FLAG-PRE	Preinterpretation Flag (Bad hole conditions)
ROMA-CPX	Apparent Matrix Density inclusive of clay (from gas corrected D-N)
GR	Gamma-Ray {F13.4}
SPI -CPX	Secondary Porosity Indicator (PHIT-PHIS >=0)
NET -CPX	Net Reservoir Flag
PAY -CPX	Net Pay Flag
SWE -CPX	Effective Formation Water Saturation
SWT -CPX	Total Formation Water Saturation
PHIS	Sonic Log Porosity for given DTMA
PHIT-CPX	Total Porosity (corrected for Vclay amd Hydrocarbon effects)
PHIE-CPX	Effective Porosity (corrected for Vclay and Hydrocarbon effects)
PHXO-CPX	Bound Hydrocarbon Volume for plot (PHIE * SXO)
PHSW-CPX	Total Hydrocarbon Volume for plot (PHIE * SWE)
VCL -CPX	Volume of Clay
VGLAUC-CPX	Volume of Glauconite
VSILT-CPX	Volume of Silt (from SSS model)
VSND-CPX	Volume of Sand
VFSPAR-CPX	
VLS -CPX	Volume of Limestone
VDOL-CPX	Volume of Dolomite
VHMIN-CPX	Volume of Heavy Minerals (from Robert Elphic method)
VDIRT	Volume of Debris in special minerals processing
PHIE-CPX	Effective Porosity (corrected for Vclay and Hydrocarbon effects)
PHXO-CPX	Bound Hydrocarbon Volume for plot (PHIE * SXO)
PHSW-CPX	Total Hydrocarbon Volume for plot (PHIE * SWE)
VBW -CPX	Volume of bound water
VLAM-CPX	Volume of Laminated Shale (Thomas Stieber VLAM+VDIS+VBW=VCLAY)
VDIS-CPX	Volume of Dispersed clay (Thomas Stieber VLAM+VDIS+VBW=Vclay)
K -CPX	Permeability from CPX processing
HCAL	HRCC Cal. Caliper {F13.4}
SP	SP Shifted {F13.4}
RLA1	HRLT Borehole Corrected Resistivity 1 {F13.4}
RLA5	HRLT Borehole Corrected Resistivity 5 {F13.4}
RLA3	HRLT Borehole Corrected Resistivity 3 {F13.4}
RXOZ	MCFL Standard Resolution Invaded Zone Resistivity {F13.4}
RT	Formation Resistivity
RXO	Flushed Zone Resistivity
RHOZ	HRDD Standard Resolution Formation Density {F13.4}
TNPH	Thermal Neutron Porosity {F13.4}
HDRA	HRDD Density Correction {F13.4}
PEFZ	HRDD Standard Resolution Formation Photoelectric Factor {F13.4}
DTCO3	Compressional Slowness from Measurement 3 {F13.4}
DTSH3	Shear Slowness from Measurement 3 {F13.4}
TENS	Cable Tension {F13.4}
C1	
C2	
C3	
iC4	
nC4	
iC5	
nC5	


General Data
2.6 ROMA-CPX (G/CC) 3.1
0.0 GR (API) 200.0
6.0 HCAL (INCH) 26.0
-80.0 SP (MV) 20.0
0.0 FLAG-PRE 10.0
0.0 TENS (LB) 5000.0
DEPT
M
1:500
Resistivity
0.2 RLA1 (OHMM) 2000.0
0.2 RLA5 (OHMM) 2000.0
0.2 RLA3 (OHMM) 2000.0
0.2 RXOZ (OHMM) 2000.0
0.2 RT (OHMM) 2000.0
0.2 RXO (OHMM) 2000.0
Porosity & Lithology
1.95 RHOZ (G/CC)
0.45 TNPH (V/V)
-0.75 HDRA (G/CC)
0.0 PEFZ (B/E)
140.0 DTCO3 (US/F)
440.0 DTSH3 (US/F)
Formation Composition
Pore Volume
Saturations
Permeability
Pay Summaries
1350
1400
1450
1500
1550
1600
1650
1700
Preliminary Results