



INTEQ

Company : Karoon Gas Pty Ltd

Well : Megascolides 2

Interval : 500.00 - 873.51 meters

Created : 14/Jan/2007 6:43:09 AM



FORMATION EVALUATION LOG

RATE OF PENETRATION		INTERPRETED LITHOLOGY	MD meters 1:500	LITHOLOGY	CORE	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH				REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
ROP (0-50m/hr)	Backup ROP (50-200m/hr)							1	Methane ppm	10000	1		Ethane ppm	10000	1	Propane ppm	10000	1	iso-Butane ppm	10000	1	n-Butane ppm	10000	1	iso-Pentane ppm	10000	10	100	1000	10000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
50	45	40	35	30	25	20	15	10	5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

WOB: 11-19klbs
RPM: 70-108
Flow in: 374-451gpm
SPP: 600-878psi

13/01/2007

WOB: 8-18klbs
RPM: 90-105
Flow in: 442-465gpm
SPP: 824-1038psi

WOB: 3-14klbs
RPM: 85-120
Flow in: 445-454gpm
SPP: 922-1028psi

600
610
620
630
640
650
660
670
680
690
700
710
720
730

0.086% @ 676m

coal det, mod hd, v pr vis por, no oil fluor.

Coal: blk-v dk bn, oft v arg, ethy lstr w/blk frac where arg, sbvit lstr w/sbconch frac where clean, hd, britl.

Sandstone: lt-med grn gy, v f-f, dom v f, sband-rnd, mod srtd, abnt off wh arg mtx, mod sil & mod calc cmt, abnt off wh altrd felds grn, com qtz & gy grn volc lith grn, tr rd brn lith, com blk coal det, mod hd, v pr vis por, no oil fluor.

Sandstone: lt-med grn gy, v f-med, dom v f, sband-rnd, mod srtd, abnt off wh arg mtx, mod sil & mod calc cmt, abnt off wh altrd felds grn, com qtz & gy grn volc lith grn, tr rd brn lith, com blk coal det, tr calc ln frac, mod hd, v pr vis por, no oil fluor.

MWIN:8.60ppg Mud temp:36deg
PV/YP:8/9 FV:42 Gels:1/1
Solids:1.5% pH:10.2

Sandstone: lt-med grn gy, v f-med, dom v f, sband-rnd, mod srtd, abnt off wh arg mtx, mod sil & mod calc cmt, abnt off wh altrd felds grn, com qtz & gy grn volc lith grn, tr rd brn lith, com blk coal det, tr calc ln frac, mod hd, v pr vis por, no oil fluor.

Sandstone: lt-med grn gy, v f-med, dom f, sband-rnd, mod srtd, abnt off wh arg mtx, mod sil & mod calc cmt, abnt off wh altrd felds grn, com qtz & gy grn volc lith grn, tr rd brn lith, com blk coal det, tr calc ln frac, mod hd, v pr vis por, no oil fluor.

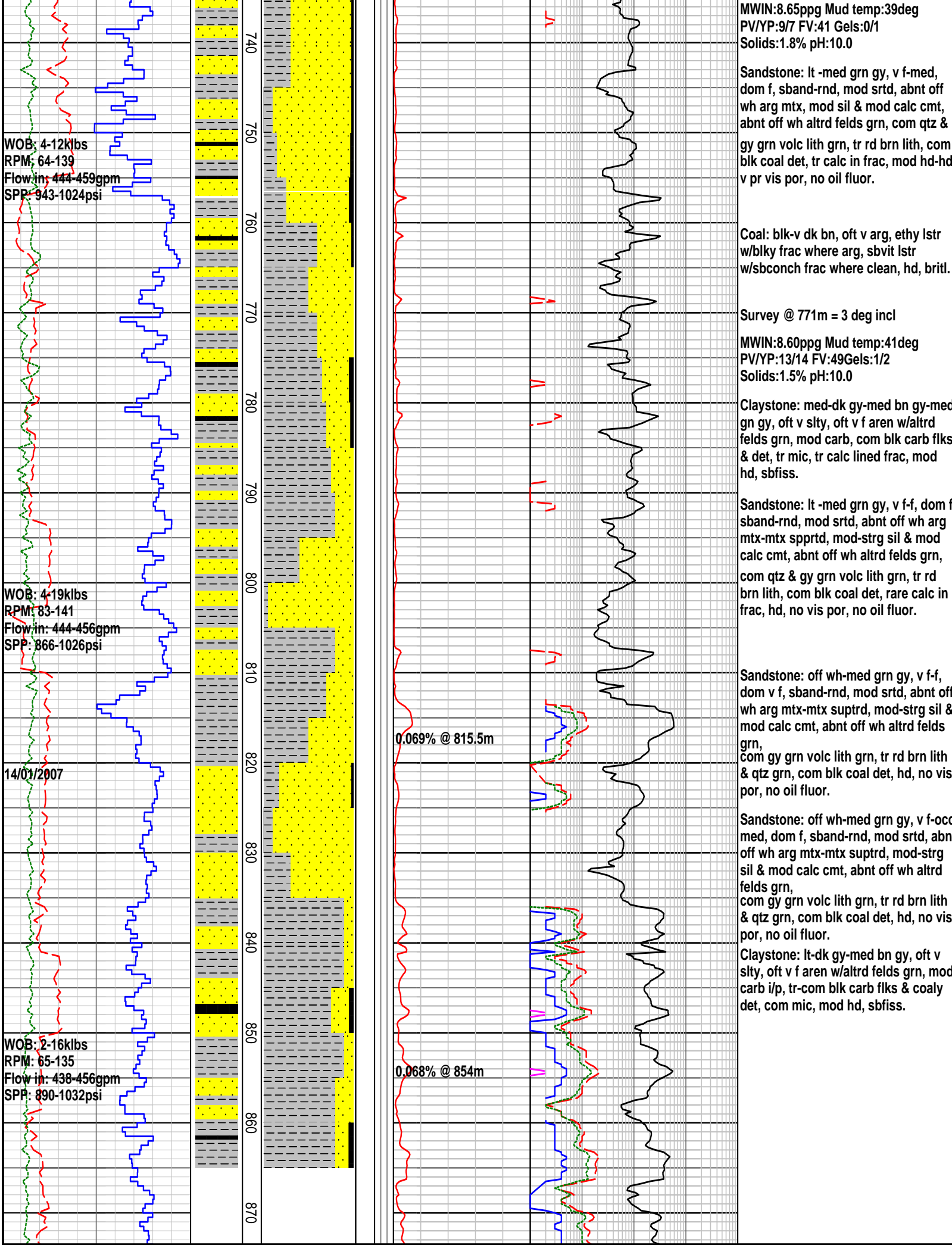
Fluorescence (670m-680m): the calc frac infill mat has 10% mod bright patchy lt yel fluor giving wk dull yel wh crush cut, tr residue.

Claystone: med-dk gy-med bn gy-med gn gy, oft v slty, oft v f aren w/altrd felds grn, mod carb, com blk carb flks & det, tr mic, tr calci lined frac, mod hd, sbfiss.

Survey @ 705m = 3 deg incl

Sandstone: lt-med grn gy, v f-med, dom f, sband-rnd, mod srtd, abnt off wh arg mtx, mod sil & mod calc cmt, abnt off wh altrd felds grn, com qtz & gy grn volc lith grn, tr rd brn lith, com abnt blk coal det, tr calc ln frac, mod hd, v pr vis por, no oil fluor.

Claystone: med-dk gy-med bn gy-med gn gy, oft v slty, oft v f aren w/altrd felds grn, mod carb, com blk carb flks & det, tr mic, tr calc lined frac, mod hd, sbfiss.



WOB: 4-12klbs
RPM: 64-139
Flow in: 444-459gpm
SPP: 943-1024psi

WOB: 4-19klbs
RPM: 83-141
Flow in: 444-456gpm
SPP: 866-1026psi

14/01/2007

WOB: 2-16klbs
RPM: 65-135
Flow in: 438-456gpm
SPP: 890-1032psi

0.069% @ 815.5m

0.068% @ 854m

MWIN:8.65ppg Mud temp:39deg
PV/YP:9/7 FV:41 Gels:0/1
Solids:1.8% pH:10.0

Sandstone: lt-med grn gy, v f-med,
dom f, sband-rnd, mod srtd, abnt off
wh arg mtx, mod sil & mod calc cmt,
abnt off wh altrd felds grn, com qtz &
gy grn volc lith grn, tr rd brn lith, com
blk coal det, tr calc in frac, mod hd-hd
v pr vis por, no oil fluor.

Coal: blk-v dk bn, oft v arg, ethy lstr
w/blk frac where arg, sbvit lstr
w/sbconch frac where clean, hd, britl.

Survey @ 771m = 3 deg incl
MWIN:8.60ppg Mud temp:41deg
PV/YP:13/14 FV:49Gels:1/2
Solids:1.5% pH:10.0

Claystone: med-dk gy-med bn gy-med
gn gy, oft v slty, oft v f aren w/altrd
felds grn, mod carb, com blk carb flks
& det, tr mic, tr calc lined frac, mod
hd, sbfiss.

Sandstone: lt-med grn gy, v f-f, dom f,
sband-rnd, mod srtd, abnt off wh arg
mtx-mtx sptrd, mod-strg sil & mod
calc cmt, abnt off wh altrd felds grn,
com qtz & gy grn volc lith grn, tr rd
brn lith, com blk coal det, rare calc in
frac, hd, no vis por, no oil fluor.

Sandstone: off wh-med grn gy, v f-f,
dom v f, sband-rnd, mod srtd, abnt off
wh arg mtx-mtx suptrd, mod-strg sil &
mod calc cmt, abnt off wh altrd felds
grn,
com gy grn volc lith grn, tr rd brn lith
& qtz grn, com blk coal det, hd, no vis
por, no oil fluor.

Sandstone: off wh-med grn gy, v f-occ
med, dom f, sband-rnd, mod srtd, abnt
off wh arg mtx-mtx suptrd, mod-strg
sil & mod calc cmt, abnt off wh altrd
felds grn,
com gy grn volc lith grn, tr rd brn lith
& qtz grn, com blk coal det, hd, no vis
por, no oil fluor.

Claystone: lt-dk gy-med bn gy, oft v
slty, oft v f aren w/altrd felds grn, mod
carb i/p, tr-com blk carb flks & coaly
det, com mic, mod hd, sbfiss.

FORMATION EVALUATION LOG

RATE OF PENETRATION										LITHOLOGY	LITHOLOGY	OIL SHOWS	CORE	TOTAL GAS	CHROMATOGRAPH				REMARKS
ROP (0-50m/hr)															Methane ppm				
50	45	40	35	30	25	20	15	10	5						1	Ethane ppm		10000	
Backup ROP (50-200m/hr)															1	Propane ppm		10000	
200	185	170	155	140	125	110	95	80	65						1	iso-Butane ppm		10000	
WOB (klb)															1	n-Butane ppm		10000	
5	10	15	20	25	30	35	40	45	50						1	iso-Pentane ppm		10000	
TORQUE AVG															n-Pentane ppm				
5	10	15	20	25	30	35	40	45	50						10	100	1000	10000	