



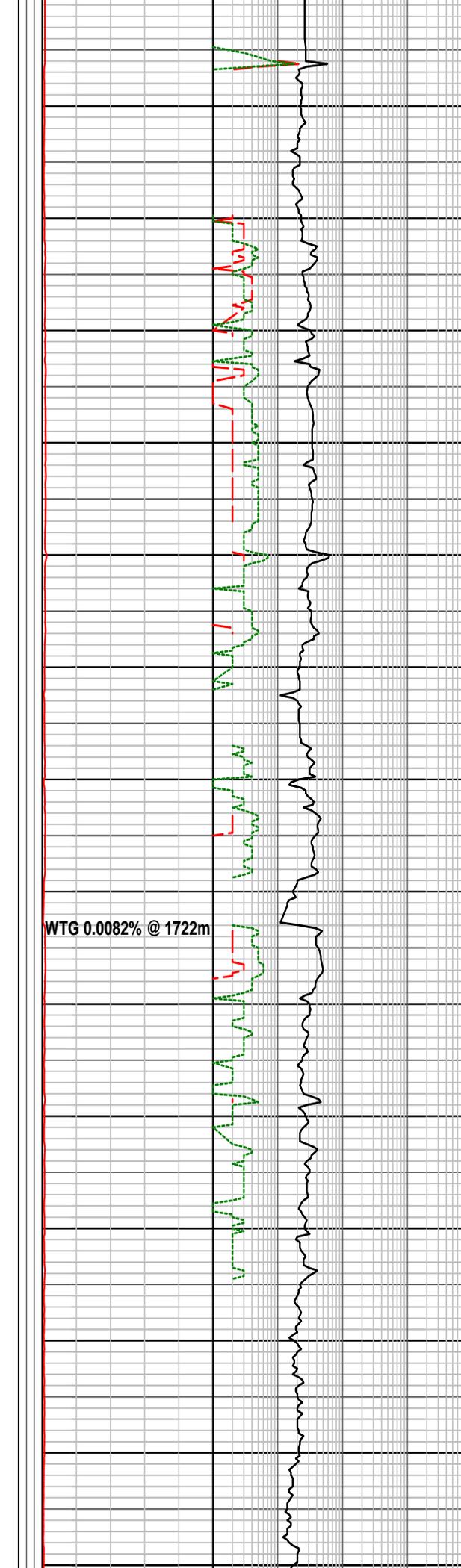
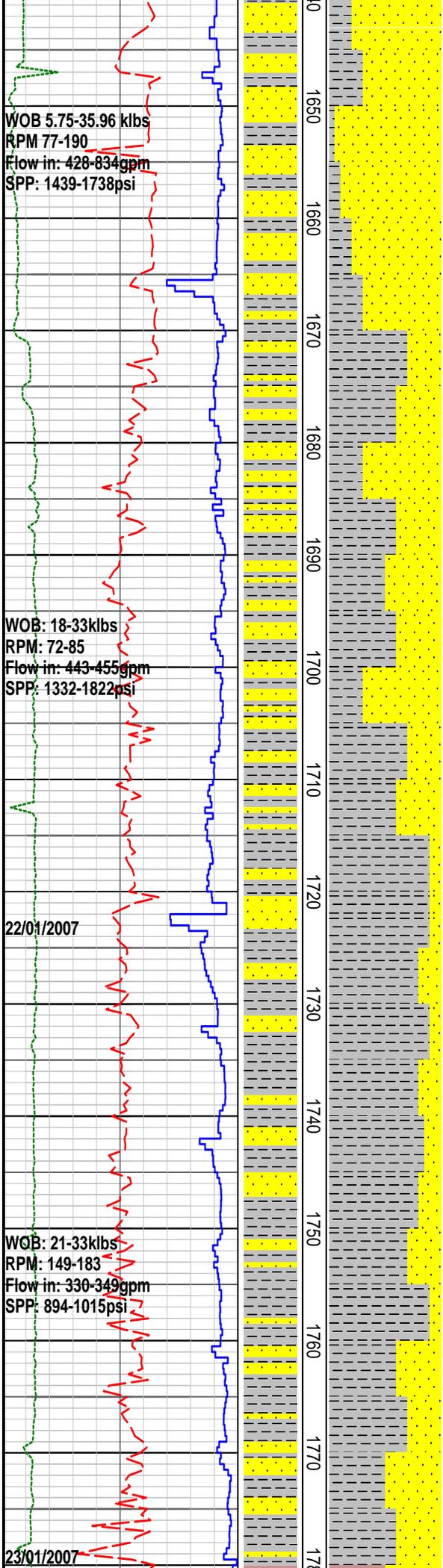
Company : Karoon Gas Pty Ltd  
 Well : Megascolides 2  
 Interval : 1545.00 - 1868.51 meters  
 Created : 25/Jan/2007 5:19:25 AM



INTEQ

### FORMATION EVALUATION LOG

RATE OF PENETRATION		MD meters ±.500	LITHOLOGY	CORE	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH	REMARKS
ROP (0-50m/hr)	Backup ROP (50-200m/hr)					0.1   0.2   0.3   0.4   0.5 %	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 n-Pentane ppm	
50   45   40   35   30   25   20   15   10   5	200   185   170   155   140   125   110   95   80   65						10   100   1000   10000	
<p>WOB: 4-18klbs            RPM: 80-129            Flow in: 443-451gpm            SPP: 1058-1433psi</p>		1550						Sandstone: off wh-med grn gy, vf-f, dom vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith & qtz grn, com blk coal det, tr calc lined frac, hd-v hd, no vis por, no oil fluor.
<p>20/01/2007            NB4 8-1/2" Sec DBS, XS16D            Jets: 3x13, In: 1578m, Out: 1810m            Drilled: 232m in 61.2hrs            Bit Grade: 2-4-WT-S-E-I-SS-PR</p>		1560						Claystone: gy-dkgy-med grn gy-med brn gy, v slty i/p, vf aren w/altrd felds grn i/p, sli-mod carb, com blk carb flecks & coaly det, com mic, tr calc lined frac, hd, sbfiss-fiss.
		1570						POOH to change bit.
		1580				TG 0.0085% @ 1578m		Sandstone: off wh-med grn gy, vf-med dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith & qtz grns, com blk coal det, tr calc lined fracv, v hd, no vis por, no oil fluor.
		1590						Survey @ 1596m = 3.25 deg incl
<p>WOB 1.8-29.85 klbs            RPM 89-136            Flow in: 441-458gpm            SPP: 1056-1684psi</p>		1600						Claystone: gy-dkgy-med grn gy-med brn gy, v slty i/p, vf aren w/altrd felds grn i/p, sli-mod carb, com blk carb flecks & coaly det, com mic, tr calc lined frac, hd, sbfiss-fiss.
		1610						
		1620						Fluorescence (1620-1630): the wh xtln calc frac infill (tr-5% of tot spl) has 50-80% brt ptchy v pl yel wh fluor giving a wk instant followed by strng brt mlky crsh cut, thk rr yel wh ring res.
		1630						
<p>21/01/2007</p>		1640						Sandstone: off wh-med grn gy, vf-f, dom vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, strng sil & calc



cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith, tr blk coal det, tr calc lined frac, hd-v hd, no vis por, no oil fluor.

MWIN:9.0ppg Mud temp:54deg  
PV/YP:19/19 FV:51 Gels:2/3  
Solids:4.3% pH:10.0

Sandstone: off wh-med grn gy, vf-f, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith, tr-com blk coal det, tr calc lined frac, v hd, no vis por, no oil fluor.

Claystone: gy-dkgy-occ med brn gy-med grn gy, v slty i/p, vf aren w/altrd felds grn i/p, mod carb, tr-com blk carb flecks & coaly det, com mic, tr calc lined frac, hd, sbfiss-fiss.

Survey @ 1710m = 3 deg incl

Sandstone: off wh-med grn gy, vf-f, dom vf, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, strng sil & calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith, tr blk coal det, tr calc lined frac, hd-v hd, no vis por, no oil fluor.

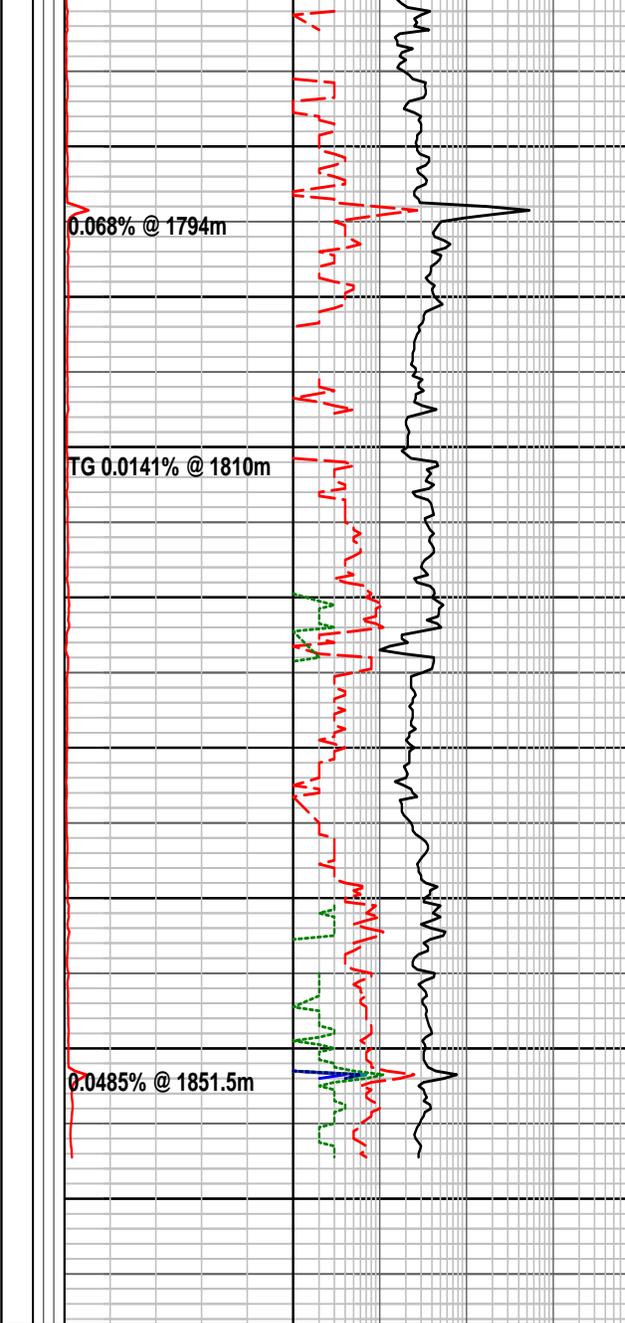
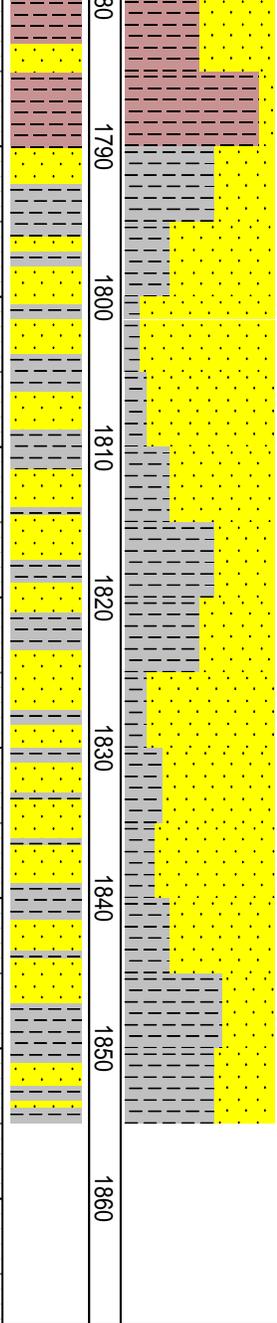
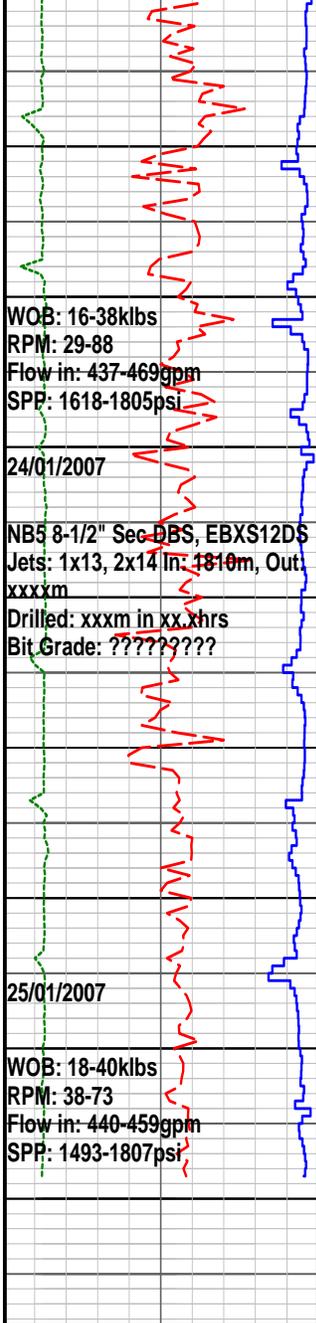
Claystone: gy-dk gy-med brn gy, v slty i/p, vf aren w/altrd felds gr i/p, mod carb, tr-com blk carb flecks & coal det, com micmic, rr calc lined frac, hd, sbfiss-fiss.

Sandstone: off wh-med grn gy, vf-f, dom f sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil & mod calc cmt, abnt off wh altrd felds grn, com gy grn volc lith, tr red brn lith & qtz grn, tr-com blk coal det, rr calc lined frac, v hd, no vis por, no oil fluor.

MWIN:9.15ppg Mud temp:58deg  
PV/YP:23/25 FV:56 Gels:3/4  
Solids:5.3% pH:10.2

Shale: med brn-med dk brn gy-dk gy, mod slty i/p, mod carb, tr micmic, tr calcite & geothite lined frac, hd, si

Calcite & geothite lined frac, no, s text, subfiss.



Sandstone: off wh-med grn, vf-occ f, sbrnd-rnd, mod srtd, abnt gn argil mtx, v strng sil, wk-mod calc cmt, abnt altd feld gr, com gy gn lith, com rd brn lith, tr qtz gr, tr f brn mic flks, tr blk coal det, tr calcite and geothite lined frac, v hd, no vis por, no oil fluor.

Claystone: off wh-med brn-med brn gy-med dk gy, v slty i/p, v f aren w/altrd felds grn i/p, sl-v carb, tr-com blk carb flks & coal det, com mic, tr calc lined frac, hd sbfiss-fiss.

Survey @ 1812m = 2.25 deg incl

Sandstone: off wh-med grn gy, vf-f, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil, mod calc cmt, abnt off wh altrd felds gr, com gy grn rd & brn lith, tr-com qtz gr, tr-com blk coal det, tr calc lined frac, v hd, no vis por, no oil fluor.

Fluorescence (1830-1855): the calc vein infill has tr-20% mod brt, ptchy, v pl, yel fluor, giving a wk milky wh crsh cut, tr res.

Sandstone: off wh-med grn gy, vf-f, dom f, sbang-rnd, mod srtd, abnt off wh arg mtx-mtx sprtd, v strng sil, mod calc cmt, abnt off wh altrd felds gr, com gy grn rd & brn lith, tr-com qtz gr, tr blk coal det, tr calc lined frac, v hd, no vis por, no intergranular oil fluor.

### FORMATION EVALUATION LOG

RATE OF PENETRATION		MD meters 1:500	LITHOLOGY	LITHOLOGY	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH		REMARKS
ROP (0-50m/hr)	Backup ROP (50-200m/hr)						1	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5					0.1   0.2   0.3   0.4   0.5 %	Methane ppm	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5						Ethane ppm	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5						Propane ppm	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5						iso-Butane ppm	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5						n-Butane ppm	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5						iso-Pentane ppm	10000	
5   10   15   20   25   30   35   40   45   50	50   45   40   35   30   25   20   15   10   5						n-Pentane ppm	10000	