



Company : Karoon Gas Pty Ltd

Well : Megascolides 2

Interval : 0.00 - 518.51 meters

Created : 09/Jan/2007 9:21:38 AM



INTEQ

FORMATION EVALUATION LOG

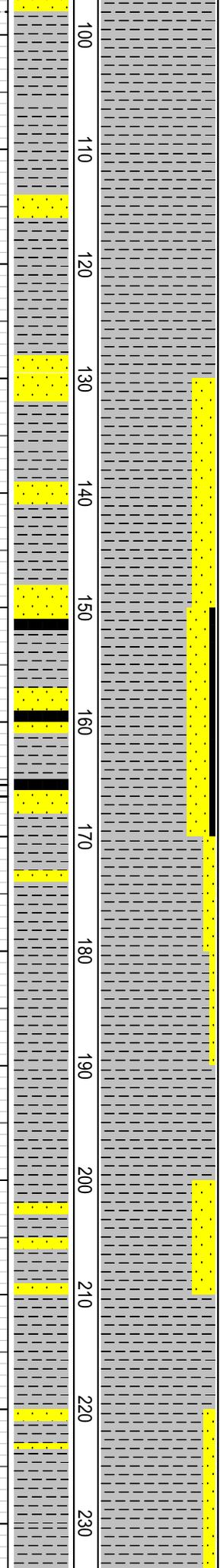
RATE OF PENETRATION		MD meters ±.500	LITHOLOGY	CORE	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH	REMARKS
ROP (0-50m/hr)	Backup ROP (50-200m/hr)					0.1 0.2 0.3 0.4 0.5 %	1 Methane ppm 10000 1 Ethane ppm 10000 1 Propane ppm 10000 1 iso-Butane ppm 10000 1 n-Butane ppm 10000 1 iso-Pentane ppm 10000 n-Pentane ppm	
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 (klb)</p> <p>TORQUE AVG</p>								
5 10 15 20 25 30 35 40 45 50	5 10 15 20 25 30 35 40 45 50							
<p>NB1 12-1/4" Security XS15</p> <p>Jets: 3 x 20, In: 15m, Out: 510m</p> <p>Drilled: 495m in 40.2hrs</p> <p>Bit Grade: 2-2-WT-A-E-I-SS-TD</p>		10						Spud Date: 4 Jan 2006 @ 1400h RT-GL : 5.2m (all depth on log ref.)
<p>WOB 2-7 klbs</p> <p>RPM 110-120</p> <p>Flow in: 164-244gpm</p> <p>SPP: 220-330psi</p>		20						Weathered Volcanics: wthd to Clyst,dk yel org-gy org, occ lt rd bn-dk bn, occ pl yel org, v sol, v sft, v stky, tr slt, rr carb mat.
		30						Claystone: lt gn gy-br gy, v sf, v stky, amrp-sblk, v arg i/p, non calc
		40						Sandstone: gy org-pl yel brn, lt yel-off wh, crs-v crs dom sub ang, occ sub rnd, mod srtd, non calc, abnt qtz grn, tr blk-dk gy carb matl.
		50						Sandstone: lt gy, lt yel gy, lt olv gy, occ lt yel, occ gy-lt gy, dom v crs, occ crs, poor-mod srtd, non calc, pred qtz grn, rr lt gy-gy volc mat.
		60						
		70						
		80						
		90						MWIN:8.70ppg Mud temp:28deg PV/YP:4/3 FV:35 Gels:0/1 Solids:2.3% pH:8.0

WOB 2-19 klbs
RPM: 110-120
Flow in: 440-680gpm
SPP: 470-645psi

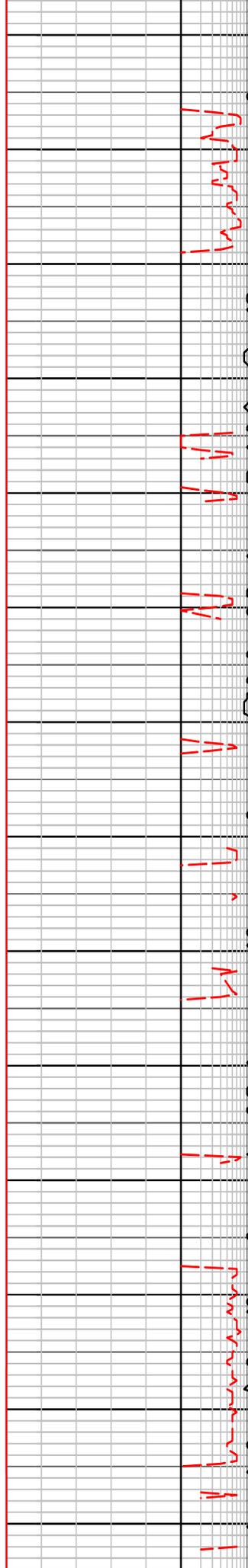
4/01/2007

WOB 10-22 klbs
RPM 100-120
Flow in: 540-550gpm
SPP: 640-765psi

WOB 14-22 klbs
RPM 110-120
Flow in: 510-550gpm
SPP: 640-765psi



100
110
120
130
140
150
160
170
180
190
200
210
220
230



Claystone: lt gn gy-med dk gy, v sf, v stky, amrp-sblky, v aren i/p, tr carb matl, tr lse qtz grn

Claystone: lt dk gy-med gn gy- lt br gy, v sf, v stky, sblky-blky, v aren i/p, tr carb mat, tr lse qtz grn

Sandstone: lt gn gy-dk gy, occ lt yel gy, v f-f, occ crs, poor-mod srted, non calc, pred qtz grn, lt gy-gy volc mat, tr carb mat, n vis por, n fluor

MWIN:8.90ppg Mud temp:35deg
PV/YP:8/13 FV:46 Gels:8/9
Solids:3.8% pH:8.3

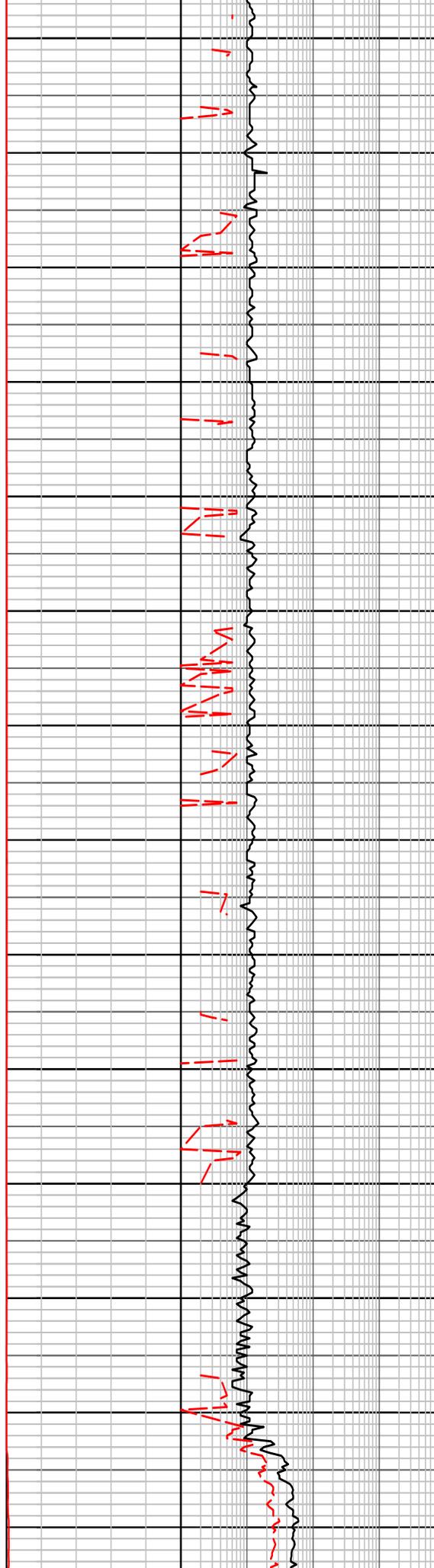
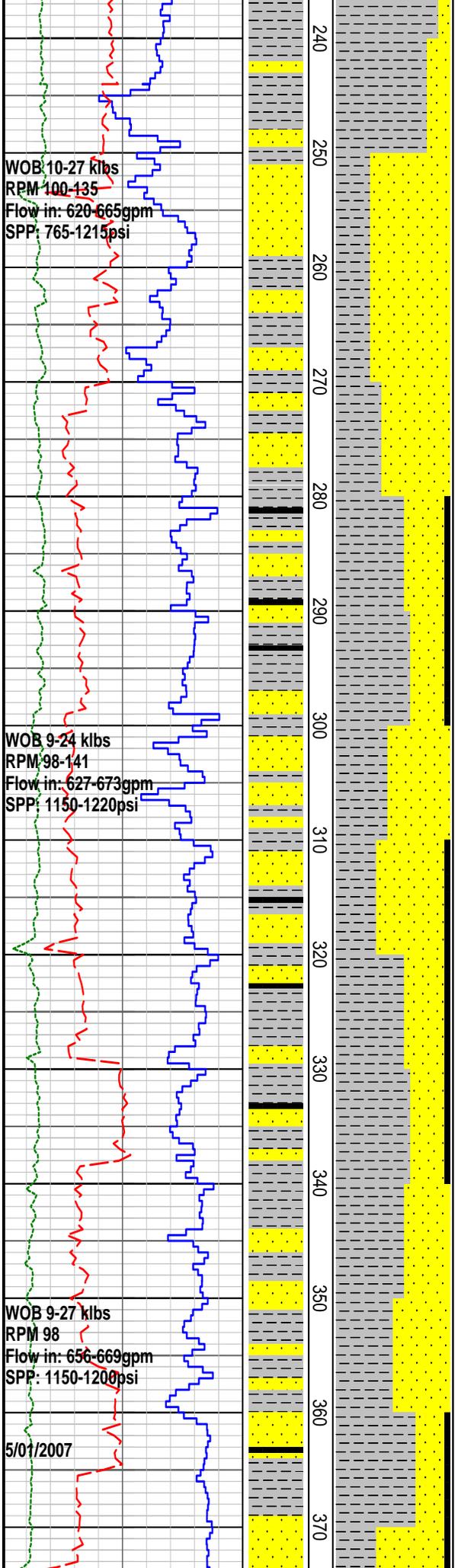
Coal: dk bn-blk, sblky-blky,ea-sl sbvit lstr, sl arg i/p, sf-fm, brit i/p

Survey @ 166m = 1.25 deg incl

Claystone: lt dk gy-med dk gy, occ med gn gy-med bn gy, sf-fm, mod hd i/p, v stky, sblky-blky, v f aren i/p, sl calc, tr carb detri, tr lse qtz grn, sbfiss

Survey @ 204m = 1.00 deg incl

Claystone: lt dk gy-med dk gy, occ med gn gy-med bn gy-dk gy, fm-mod hd, sf i/p, v stky, sblky-blky, v f aren i/p, sl calc, tr carb detri, tr lse qtz grn, tr micromic, sbfiss



MWIN:8.95ppg Mud temp:46deg
PV/YP:8/12 FV:40 Gels:13/14
Solids:4.1% pH:8.0

Sandstone:transp-transl, off wh-yel
wh-lt gn gy-dk gy, v f-f, ang-sbrnd, i/p
rnd, v f wh-gy arg matrix, poor-mod
srted, wk calc cmt, pred qtz grn, fm-hd,
tr carb mat, n vis por,

Claystone: lt gy-gy-dk gy, gen fm, occ
mod hd, stky, sbblky-sbang, v f aren
i/p, sl calc, com-abnt carb matl, tr v f
sand.

Sandstone: transp-transl, opq, off
wh-lt yel wh-lt gy-dk gy, pred v f-f,
sbrnd-rnd, occ sbang, v f wh-gy arg
matrix, mod-w srted, sl calc cmt, pred
qtz grn, fm-hd, abnt carb matl, n vis
por.

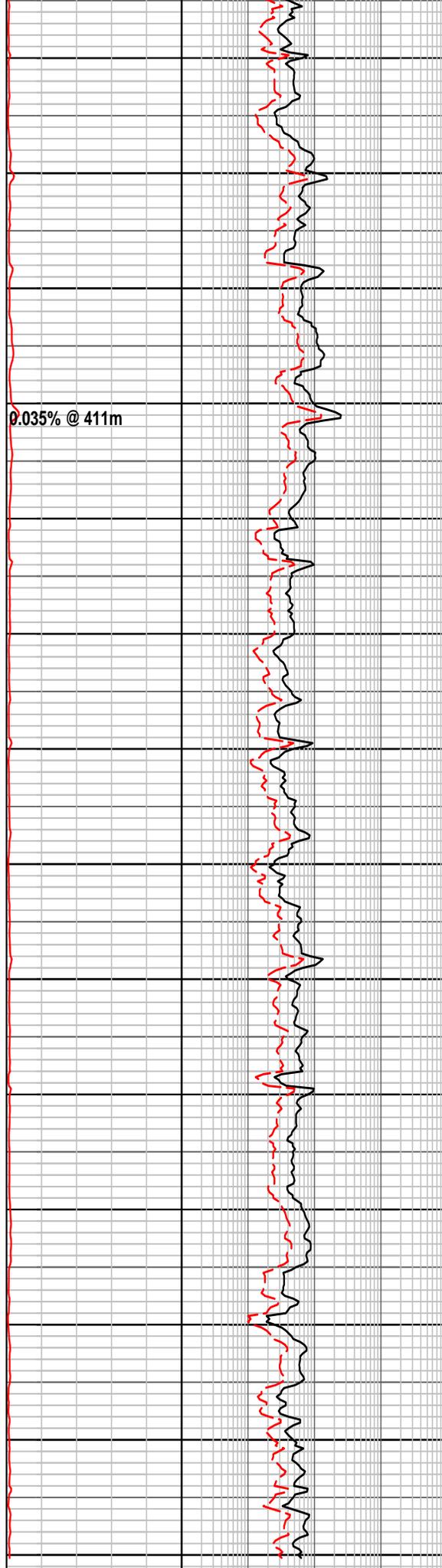
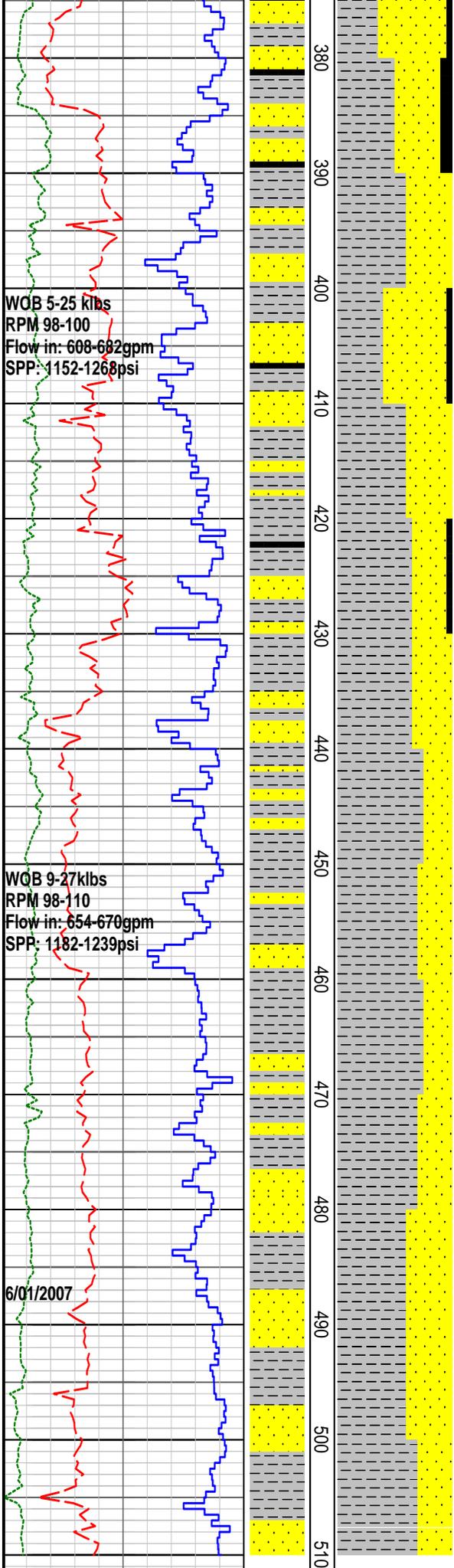
Survey @ 316m = 1.50 deg incl

Coal: blk, occ v dk gy, sbang-sblky,
occ plty, sbvit lstr, arg i/p, sf-fm, brit
i/p

Claystone: lt gy-gy-dk gy, occ olv
gy-dk olv gy, fm-mod hd, sl stky,
sbblky-sbang, occ sbrnd, aren i/p, sl
calc, com-abnt carb matl, tr v f sand.

MWIN:8.95ppg Mud temp:51deg
PV/YP:7/12 FV:40 Gels:16/19
Solids:4.1% pH:8.0

Sandstone: transp-transl, opq, off
wh-lt yel wh-lt gy-dk gy, pred v f-f,
occ i/p, sbrnd-rnd, occ chng v



crse i/p, sbrnd -rhd, occ sbang, v wh-gy arg matrix, poor-mod, sl calc cmt, pred qtz grn, fm-hd, abnt carb matl, n vis por, no fluor

Claystone: lt gy-dk gy, olv gy-lt olv gy gy-grn gy, gen mod hd, occ v fm, sl stky, sbbkly -sbang, occ sbrnd, aren, sl calc, com-abnt carb matl, tr v f sand, occ grdng to sltst.

MWIN:9.00ppg Mud temp:52deg
PV/YP:5/11 FV:40 Gels:16/20
Solids:4.4% pH:8.0

Survey @ 419m = 0.75 deg incl

Sandstone: transp-transl, opq, off wh-lt gy, dk gy, pred v f-f, occ med, sbrnd-rnd, occ sbang, v f wh-gy arg matrix, gen mod srted, w srted i/p, occ s calc, mod hd, occ hd, occ fri, pred qtz grn, com abnt carb matl, no vis por, grdng to sltst, no flour.

Claystone: lt gy-gy, lt olv gy-olv gy, gen mod hd, occ v fm, non stky, sbbkly-sbang, occ sbrnd, aren, v sl calc, com carb matl, com v f sand, occ grdng to sltst.

MWIN:9.10ppg Mud temp:54deg
PV/YP:5/13 FV:37 Gels:20/22
Solids:5.1% pH:8.0

Sandstone: transp-transl, opq, off wh-lt gy, dk gy, pred v f-f, occ med, sbrnd-rnd, occ sbang, v f wh-gy arg matrix, gen mod srted, w srted i/p, occ s calc, mod hd, occ hd, occ fri, pred qtz grn, com abnt carb matl, no vis por, grdng to sltst, no flour.

Survey @ 503m = 1.00 deg incl

FORMATION EVALUATION LOG

RATE OF PENETRATION	INTERPRETED LITHOLOGY	MD meters 1:500	LITHOLOGY	CORE	OIL SHOWS	TOTAL GAS	CHROMATOGRAPH	REMARKS
<p style="text-align: center; color: blue;">ROP (0-50m/hr)</p> <p style="text-align: center; color: blue;">Backup ROP (50-200m/hr)</p> <p style="text-align: center; color: red;">WOB (klb)</p> <p style="text-align: center; color: green;">TORQUE AVG</p>						<p style="text-align: center; color: red;">TOTAL GAS</p> <p style="text-align: center; color: red;">%</p>	<p style="text-align: center;">Methane ppm 10000</p> <p style="text-align: center; color: red;">Ethane ppm 10000</p> <p style="text-align: center; color: green;">Propane ppm 10000</p> <p style="text-align: center; color: blue;">iso-Butane ppm 10000</p> <p style="text-align: center; color: magenta;">n-Butane ppm 10000</p> <p style="text-align: center; color: green;">iso-Pentane ppm 10000</p> <p style="text-align: center; color: blue;">n-Pentane ppm</p> <p style="text-align: center;">10 100 1000 10000</p>	