



FORMATION EVALUATION LOG

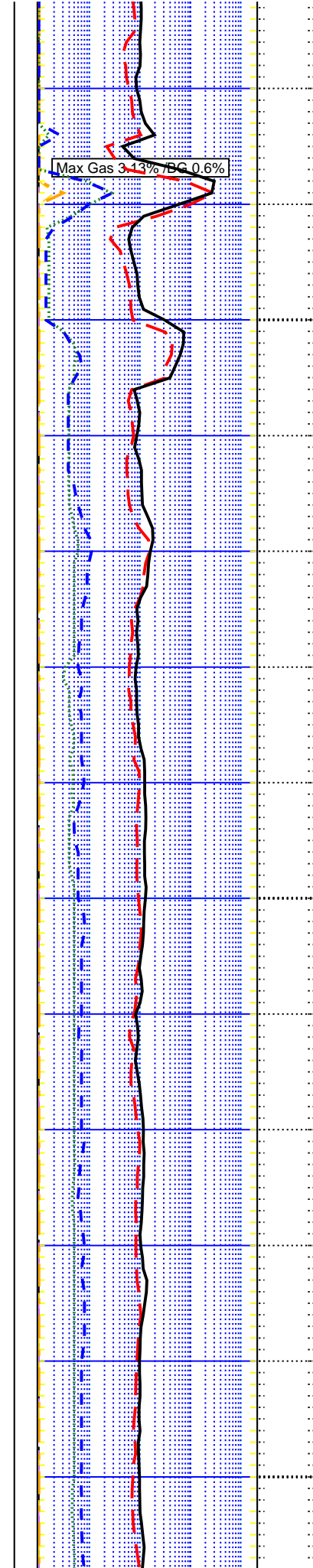
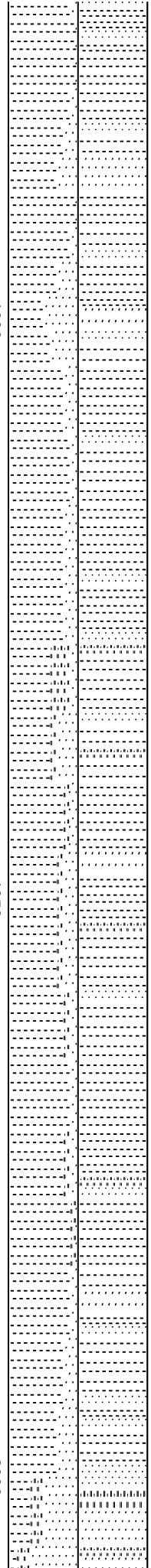
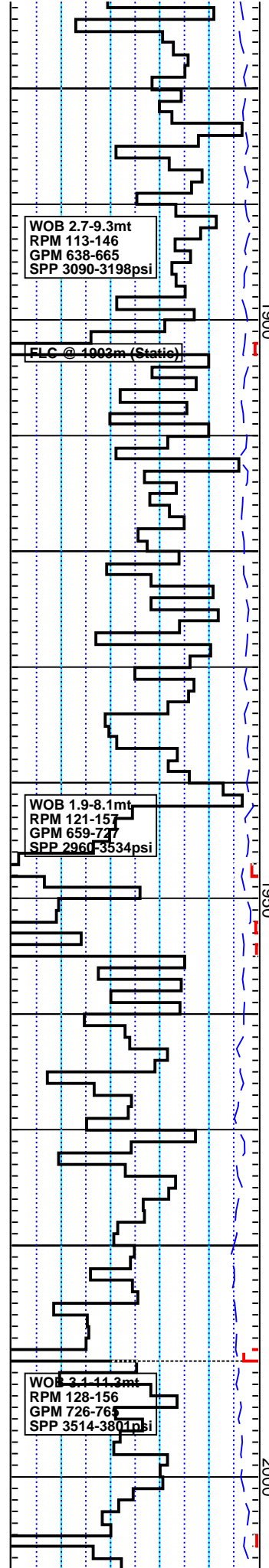
GeographeNorth-1

SCALE: 1:500.0



INTEQ

DRILLING PROGRESS	DEPTH (m)	CUTTINGS LITHOLOGY	INTERPRETED LITHOLOGY	CORE CUT FLUORESCENCE	CALCIMETRY	COMMENTS
<p>GAMMA (API)</p> <p>WOB (tonnes)</p> <p>ROP Backup (m/hr)</p> <p>ROP (m/hr)</p>				<p>Normal Pentane</p> <p>Iso Pentane</p> <p>Normal Butane</p> <p>Iso Butane</p> <p>Propane</p> <p>Ethane</p> <p>Methane (%)</p> <p>Total Gas (%)</p>	<p>Calcite</p> <p>2505</p> <p>olomite</p> <p>7505</p>	
<p>WOB 4.0-11.6mt</p> <p>RPM 165-202</p> <p>GPM 682-717</p> <p>SPP 2852-2997psi</p>						<p>CBU @ 1774m</p>
<p>NB4 Smith MA89PX</p> <p>8.5"</p> <p>6 x 12 jets</p> <p>In 1790m</p> <p>xxxxm/xxhrs</p>				<p>TG @ 1790m 0.12 ABG</p>		<p>Drill 12.25" hole to 1790m.</p> <p>Set 9.625" csg shoe @ 1784mBRT.</p> <p>Drill ahead 8.5" hole.</p>
<p>8/10/01</p>						<p>LOT @ 1797m</p> <p>MW = 1.15sg, EMW = 1.85sg</p>
						<p>Survey @ 1810.16m</p> <p>Dev 1.94 deg</p> <p>Azi 004.62 deg</p> <p>TVD 1809.88m</p>
						<p>Reduce WOB towards end of each stand due to excessive rig heave</p>
						<p>CLAYSTONE: olv gy-brnsh gy, v sft-sft, occ frm, amor-sbblky, mnr-loc abd glauc, tr carb mat, tr pyr, i/p grd to SILTSTONE</p>
<p>WOB 3.6-9.8mt</p> <p>RPM 71-141</p> <p>GPM 502-662</p> <p>SPP 1928-3117psi</p>						<p>Flush ditch gas line - OK.</p> <p>Test w/ carbide - (0.36%) OK.</p>
						<p>1857m; Start adding Circal to mud system</p>
						<p>SANDSTONE: v lt gy, frm-fri aggs, vf-f, pred vf, sbang-sbrnd, sbspr, wl srt, tr agr mtrx, wk sil cmt, tr lith frags, tr dissem pyr, vp-p inf por, n shw</p>



Flush ditch gas line - OK.
Test w/ carbide - (1.06%)OK.

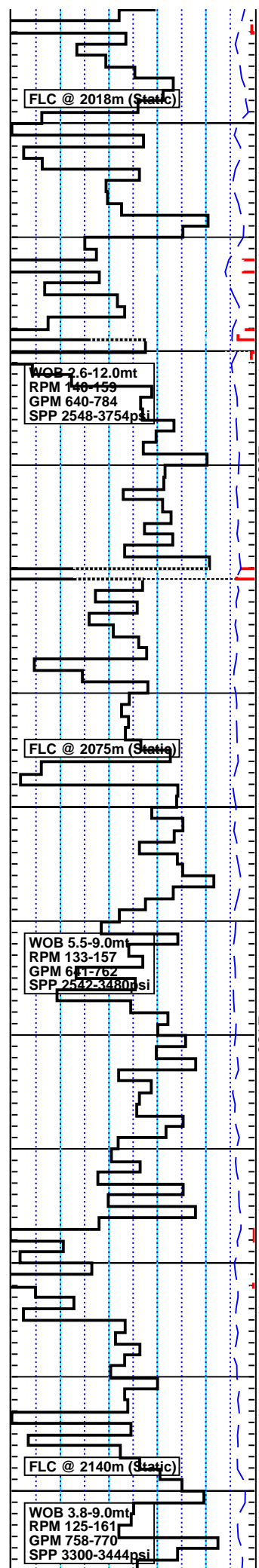
SANDSTONE:v lt gy,frm-fri aggs,vf-f gr,sbang-sbrnd,sbsphr,wl srt,tr pyr cmt,tr lith frags,tr pyr nod,vp-p inf por

SILTSTONE:m dk gy,dk gy,frm,occ hd, sbbiky-blky,tr carb mat, tr vf qtz grs

CLAYSTONE:olv gy,brnsh gy,v sft-sft, frm i/p,tr carb mat,grdg to sltst i/p

Survey @ 1984.85m
Dev 0.73 deg
Azi 044.27 deg
TVD 1984.52m

SANDSTONE:v lt gy-lt gy,clr-trns qtz grns,f-crs,occ v crs,pred sbang,occ sbrnd,sbelong-sbsphr,p-mod wl srt, com pyr cmt & nod,wk sil cmt,tr amb,p inf por,n shw



FLC @ 2018m (Static)

WOB 2.6-12.0mt
RPM 140-159
GPM 640-784
SPP 2548-3754psi

FLC @ 2075m (Static)

WOB 5.5-9.0mt
RPM 133-157
GPM 641-762
SPP 2542-3480psi

FLC @ 2140m (Static)

WOB 3.8-9.0mt
RPM 125-161
GPM 758-770
SPP 3300-3444psi

2050

2100

CARBONACEOUS SILTSTONE:
brnsh blk,v d rd,sb blk,y,sft,fri,mnr vf
qtz grns,com diss pyr,grd to
SILTSTONE + COAL

SANDSTONE:v lt gy-lt gy,clr-trns,occ
frac qtz grns,f-crs,occ v crs,sbang-
sbrnd,sbelong-sbspher,p srt,wk sil
cmt,fri aggs,tr pyr cmt,occ carb slt
matrx,tr diss pyr & nod,p inf por,n shw

SILTSTONE: brnsh blk-olv blk,brnsh
gy,soft diss-mod hd,amor-sbbiky,mnr
qtz f qtz grns,com diss pyr,com carb
lam,r c,

SANDSTONE: clr-trans,r Fe stn,f- v
crs,com frac qtz grns,v ang-sub rnd,
sbelong-sbspher,v p srt,hd aggs,sil cmt,
tr pyr nod,p inf por,n shw,

