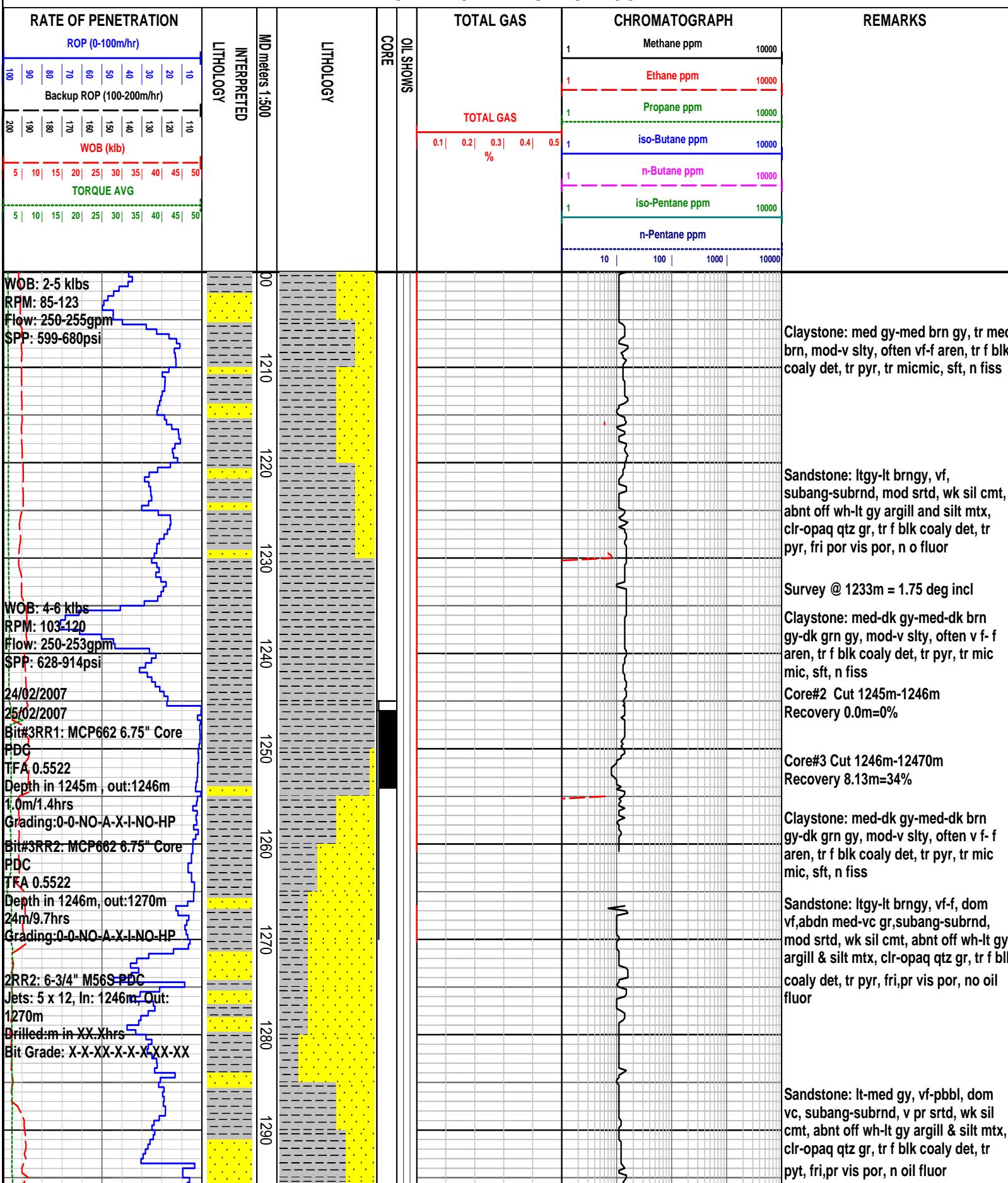


FORMATION EVALUATION LOG



MWIN:8.95ppg Mud temp:35deg

PV/YP:12/12FV:56Gels:2/2

Solids:3.6% pH:10.8

Claystone: med-dk gy-med-dk brn gy,
mod-v silt, occ v aren, rr dippers
med-pbbl qzt grn,tr f blk coaly det, tr
mic mic, sft, n fiss

Sandstone: lt-med gy, vf-pbbl, dom
vf-f, subang- rnd, v pr srtd, wk sil cmt,
abnt off wh-lt gy argill & silt mtx,
clr-opaq qtz gr, tr f blk coaly det, tr
biotite flk, fri,v pr infer por, no oil fluor

Claystone: med-dk gy-med-dk brn gy,
mod-v silt, occ v aren, rr dippers
med-pbbl qzt grn,tr f blk coaly det, tr
mic mic, sft, n fiss

Sandstone: lt-med gy,vf- rr pbbl,dom
vf-f, subang- rnd, v pr srtd, wk sil cmt,
abnt off wh-lt gy argill & silt mtx,
clr-opaq qtz gr, tr f blk coaly det, tr
biotite flk, fri,v pr infer por, no oil fluor

Claystone: med-dk gy-med-dk brn gy,
mod-v silt, occ v aren, rr dippers
med-pbbl qzt grn,tr f blk coaly det, tr
mic mic, sft, n fiss

Sandstone: lt-med gy,vf-pbbl,dom vc,
ang- rnd, v pr srtd, wk sil cmt, abnt off
wh-lt gy argill & silt mtx, clr-opaq qtz
gr, tr f blk coaly det, tr biotite flk,
tr pty, fri, gd infer por, no oil fluor

Survey @ 1370m = 1.75 deg incl

Claystone: lt-dk gy-med-dk brn gy,
mod-v silt, oft vf-f aren, rr dippers
med-pbbl qzt grn,tr blk coaly det, tr
mic mic, sft, n fiss

Sandstone: lt-med gy,vf-pbbl,dom f,
ang-rnd, v pr srtd, wk-mod sil cmt,
abnt off wh-lt gy argill & silt mtx,
clr-opaq qtz gr, tr f blk coaly det, tr
biotite flks, tr pty,fri-mod hd,v pr inf
por, no oil fluor

MWIN:8.90ppg Mud temp:39deg
PV/YP:12/15FV:52Gels:3/3
Solids:3.3% pH:11

Claystone: med-dk gy-med-dk brn gy,
mod-v silt, occ v aren, rr dippers
med-pbbl qzt grn,tr f blk coaly det, tr
mic mic, sft, n fiss

Sandstone: off wh-med gy, vf,
ang-rnd, v p srtd, wk sil cmt, abnt off
wh-med gy argill and silt mtx, clr-opaq

WOB: 2-7 klbs
RPM: 100-126
Flow: 116-355gpm
SPP: 520-984psi

26/02/2007

WOB: 2-6 klbs
RPM: 100-120
Flow: 245-257gpm
SPP: 718-961psi

WOB: 2-5 klbs
RPM: 105-120
Flow: 245-255gpm
SPP: 720-781psi

From: 1411-1435m
MISSING DATA DUE TO
LOGGING SYSTEM FAILURE

Wh mtd gy argill & silt mtx, on opac
qtz gr, tr blk coaly det, tr pyr, fri, v p
infer por, n o fluor

Claystone: lt-dk gy-med -brngy, mod-sly, often v f aren, rr med-peb rnd qtz gr, tr blk coaly det, tr pyr, tr micmic, frm, non fiss

Survey @ 1467m = 2.00 deg incl

Sandstone: lt-med gy,vf-pbbl,dom f, ang-rnd, v pr srtd,wk-mod sil cmt, abnt off wh-lt gy argill & silt mtx, clr-opaq qtz gr, tr f blk coaly det, tr pyr, fri, v pr inferr por, no oil fluor

Claystone: med-dk gy-med-dk brn gy, mod-v sly, occ v aren, rr dipers med-pbbl qzt grn,tr f blk coaly det, tr mic mic, sft, n fiss

Sandstone: off wh-lt gy, vf-rr f, tr disp med- vc gr, ang-rnd, p srtd, wk sil cmt abnt off wh argill mtx, clr-opaq qtz gr, abnt alt felds gr, tr blk coal det, fri, p infer por.

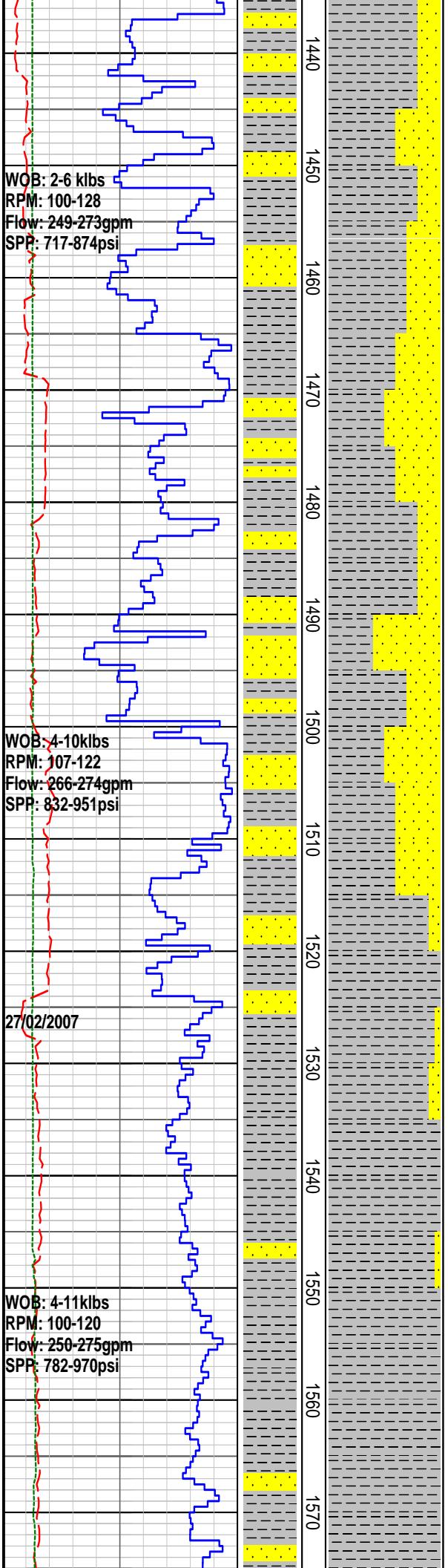
Fluorescence: the sandstone has 20% mod bri patchy v pl yell wh fluor giving a wk milky wh crsh cut, thin ring res.
MWIN:8.90ppg Mud temp:42deg
PV/YP:12/17FV:50Gels:3/3
Solids:3.2% pH:11

Claystone: med-dk gy-med-dk brn gy, mod-v sly, vf arena w qzt & alt feld grn, tr f blk coaly det, tr mic mic, frm, n fiss

Sandstone: off wh-lt gy, vf-rr f, ang-rnd, pr srtd, wk sil cmt, abnt off wh argill mtx, clr-opaq qtz gr, abnt alt felds gr, tr blk coal det, fri, v pr infer por, no oil fluor

Claystone: lt-dk gy-med brn gy-dk gy, v sly i/p, occ abdn vf qzt & alt feld grn, tr blk coaly det, com bk carb flk, tr med brn cryptocrystalline dol, tr Rnb ffic, frm, sl sbfiss

Claystone: lt-dk gy-med brn gy-dk gy, v sly i/p, occ abdn vf qzt & alt feld grn, tr blk coaly det, com bk carb flk, tr med brn cryptocrystalline dol, tr Rnb ffic, frm, sl sbfiss



WOB: 2-6 klbs
RPM: 100-128
Flow: 249-273gpm
SPP: 717-874psi

WOB: 4-10klbs
RPM: 107-122
Flow: 266-274gpm
SPP: 832-951psi

27/02/2007

WOB: 4-11klbs
RPM: 100-120
Flow: 250-275gpm
SPP: 782-970psi

Survey @ 1575m = 1.50 deg inc
Claystone: lt-dk gy-med brn gy, oft v slty, occ abdn vf qzt & alt feld grn, tr blk coaly det & bk carb flk, tr med brn cryptocrystalline dol, tr pty, tr mic mic, frm, sl sbfiss

Claystone: lt-dk gy-med brn gy, oft v slty, occ abdn vf qzt & alt feld grn, tr blk coaly det & bk carb flk, tr med brn cryptocrystalline dol, tr pty, tr mic mic, frm, sl sbfiss

Sandstone: off wh-lt gy, vf, sbang-sbrnd, mod srtd, wk sil cmt, abnt off wh argil mtx, qzose w/ abdn alt feld gclr-opq qtz gr, tr blk coal det, fri, v pr infer por, no oil fluor

Claystone: lt-dk gy-med brn gy, oft v slty, occ abdn vf qzt & alt feld grn, tr blk coaly det & bk carb flk, tr med brn cryptocrystalline dol, tr pty, tr mic mic, frm, sl sbfiss

Sandstone: off wh-lt gy, vf, sbang-sbrnd, mod srtd, wk sil cmt, abnt off wh argil mtx, qzose w/ abdn alt feld gclr-opq qtz gr, tr blk coal det, fri, v pr infer por, no oil fluor

Claystone: lt-dk gy-med brn gy, oft v slty, occ abdn vf qzt & alt feld grn, tr blk coaly det & bk carb flk, tr med brn cryptocrystalline dol, tr pty, tr mic mic, frm, sl sbfiss

Sandstone: off wh-lt gy, vf, sbang-sbrnd, mod srtd, wk sil cmt, abnt off wh argil mtx, qzose w/ abdn alt feld gclr-opq qtz gr, tr blk coal det, fri, v pr infer por, no oil fluor

Claystone: lt-dk gy-med brn gy, oft v slty, occ abdn vf qzt & alt feld grn, tr blk coaly det & bk carb flk, tr med brn cryptocrystalline dol, tr pty, tr mic mic, frm, sl sbfiss

Survey @ 1691m = 2.0 deg incl

Claystone: med brn gy-lt-dk gy, oft v slty, tr-com disprsd vf qtz & altrd felds grn, com blk coal det & carb flks, tr med brn crypxtl dol, tr py, tr micmic, fm sl subfiss.

WOB: 6-8klbs
RPM: 100-120
Flow: 268-274gpm
SPP: 942-1077psi

WOB: 5-11klbs
RPM: 110-120
Flow: 260-274gpm
SPP: 982-1209psi

WOB: 3-9klbs
RPM: 96-118
Flow: 250-283gpm
SPP: 900-1257psi

Claystone: med brn gy-lt-dk gy, oft v slty, tr disprsd vf qtz & altrd felds grn, com blk coal det & carb flks, tr med brn crypxtn dol, tr py, tr micmic, fm s subfiss.

Claystone: dk gy-med brn gy, occ v slty, mod carb i/p, tr blk carb flks, tr med brn crypxtn dol, tr py, tr micmic, fm sl subfiss.

Claystone: dk gy, sl sly, mod carb , tr blk carb flks, tr med brn crypxtn dol, tr Inoceramus, com micmic, mod hd, sl subfiss.

28/02/2007

WOB: 5-10klbs
RPM: 87-120
Flow: 260-307gpm
SPP: 964-1435psi

FORMATION EVALUATION LOG

RATE OF PENETRATION		LITHOLOGY	TOTAL GAS	CHROMATOGRAPH		REMARKS
ROP (0-100m/hr)	MD meters 1:500			CORE	OIL SHOWS	
Backup ROP (100-200m/hr)	INTERPRETED		TOTAL GAS	1	Methane ppm	10000
WOB (klb)	LITHOLOGY			1	Ethane ppm	10000
TORQUE AVG			0.1 0.2 0.3 0.4 0.5 %	1	Propane ppm	10000
5 10 15 20 25 30 35 40 45 50				1	iso-Butane ppm	10000
				1	n-Butane ppm	10000
				1	iso-Pentane ppm	10000
				10 100 1000 10000	n-Pentane ppm	10000