



Company : Apache

Well : Coelacanth-1

Interval : 123.00 - 1623.18 meters

INTEQ

Created : 17/Mar/2008 5:45:02 AM

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FORMATION EVALUATION LOG

660 mm (26") Section TD @
279.0 mMDRT on 10/03/2008

Set 20" x 13-3/8" Csg @
275.21 mMDRT

10/03/2008

NB2 311 mm (12.25")
Smith
Type: XR+CPS
Jets: 4x18, 1x20
Depth In: 279.0 mMDRT
Depth Out: 907.0 mMDRT
Drilled 629.0 in 4.4 hrs
Grade:
O-O-NO-NO-E-I-NO-TD

WOB: 1 - 25 klf
RPM: 26 - 88
GPM: 881 - 1349
SPP: 1758 - 3759 psi

CALCARENITE: lt-m gry, lt-m bl gry, lt olv gry, tr carb spks, com foss frag, tr v f qtz grs, mod hd- hd, sbblkly-blky

CALCISILITE: wh- lt gry, com lt- m gry, com foss, mod hd- hd, sbblkly- blky

CALCILUTITE: v lt gry- lt gy, lt bl gry, off wh, mnlt- m gy, lt brn gy, com foss, tr- rr f qtz grs, frm- mod hd, sbblkly-blky

CALCARENITE: lt- m gry, lt
olv gry, mnr m gry, com foss
frags, mod hd-hd,
sbblk-blky.

CALCILUTITE: v lt gy- lt gy, lt
bl gy, off wh, mnr lt- m gy, lt
brn gy, com foss, tr- rr f qtz
grs, frm- mod hd, sbblk-blky

CALCARENITE: lt- m gry, lt
olv gry, mnr m gry, com foss
frags, mod hd-hd,
sbblk-blky.

WOB: 1 - 10 klf
RPM: 48 - 96
GPM: 1139 - 1191
SPP: 2929 - 3110 psi

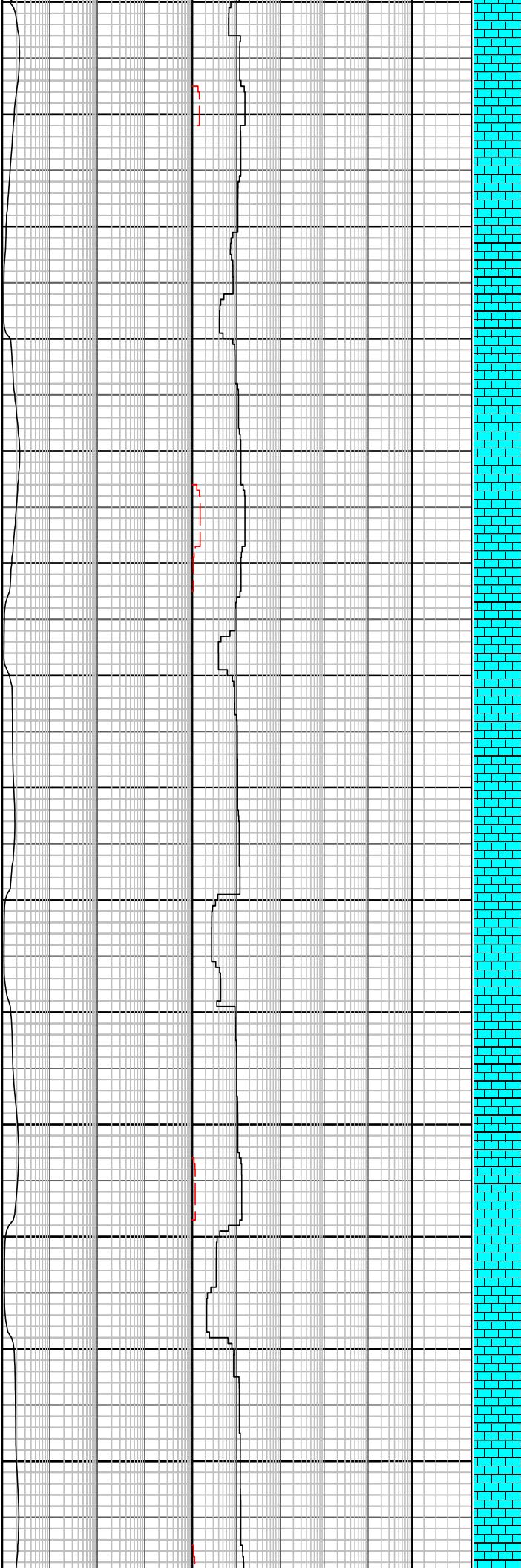
WOB: 4 - 18 klf
RPM: 96 - 120
GPM: 1163 - 1191
SPP: 3041 - 3599 psi

WOB: 7 - 28 klf
RPM: 112 - 121
GPM: 1166 - 1168
SPP: 2885 - 3737 psi

CALCARENITE: lt- m gry, lt
olv gry, mnr m gry, com foss
frags, mod hd-hd,
sbblkly-blky.

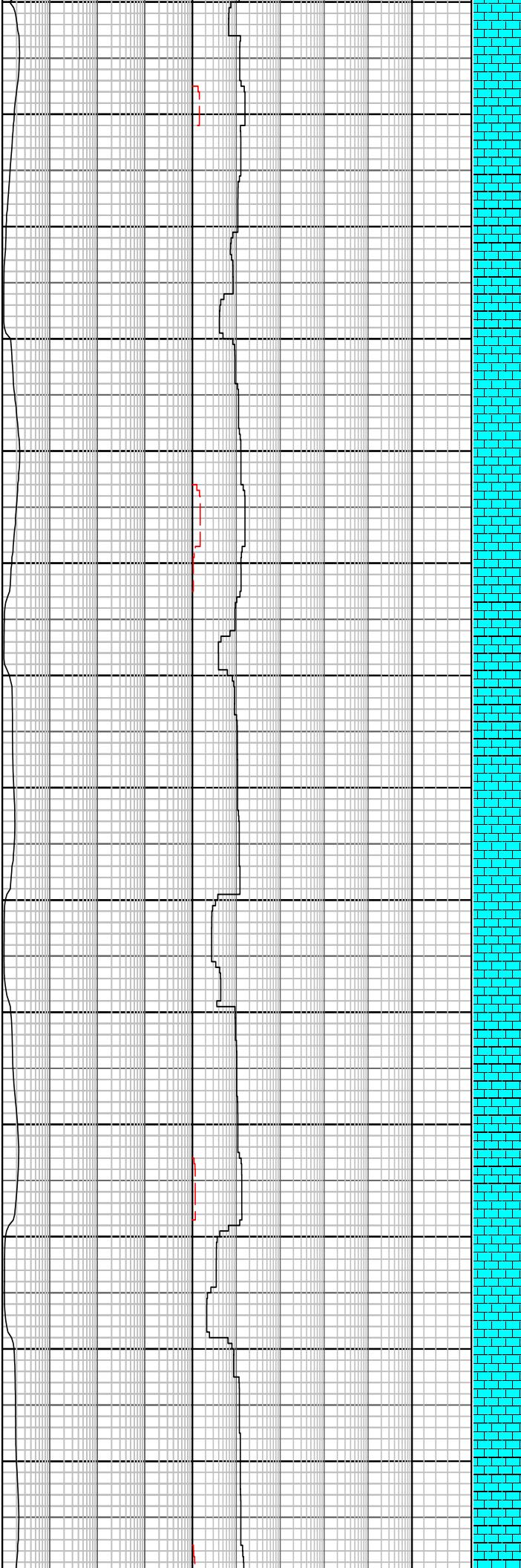
CALCARENITE: lt- m gry, lt
olv gry, mnr m gry, com foss
frags, mod hd-hd,
sbblkly-blky.

CALCARENITE: lt-m gy, lt-m
olv, lt brn gy, tr com foss
frags, com fn-m qtz grs, mod
hd, sbblkly-blky.



CALCARENITE: lt-m gy, lt-m olv, lt brn gy, tr com foss frags, com fn-m qtz grs, mod hd, sbblk-blky.

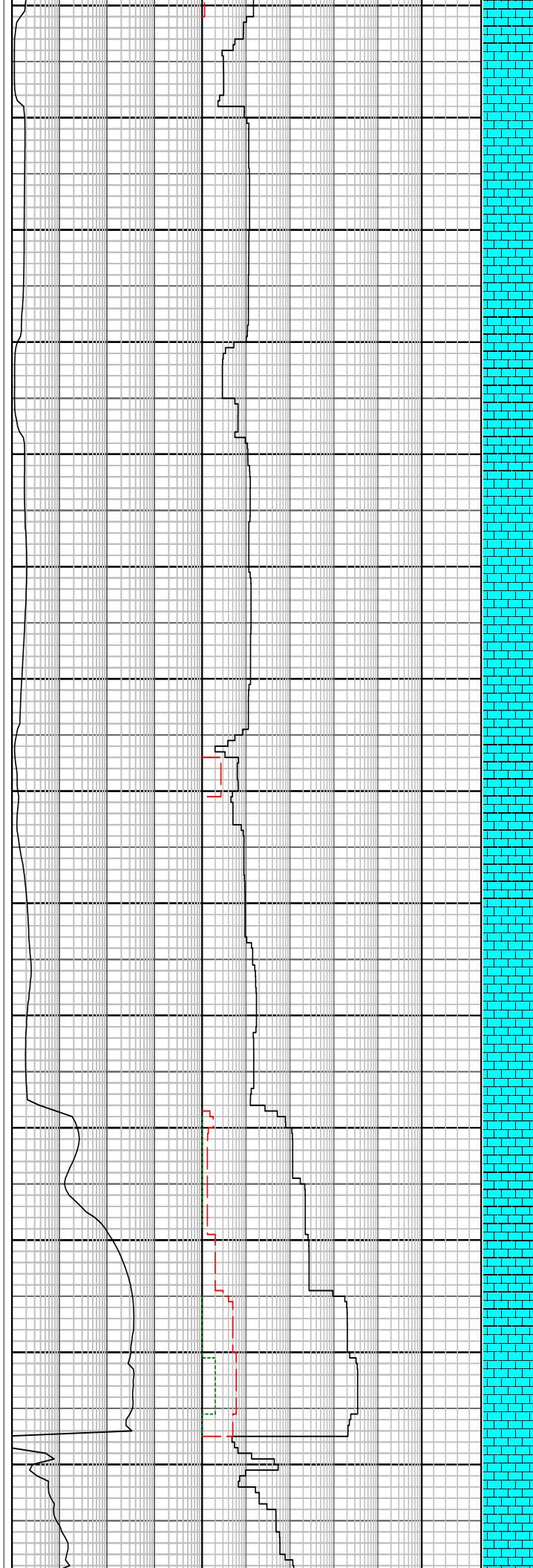
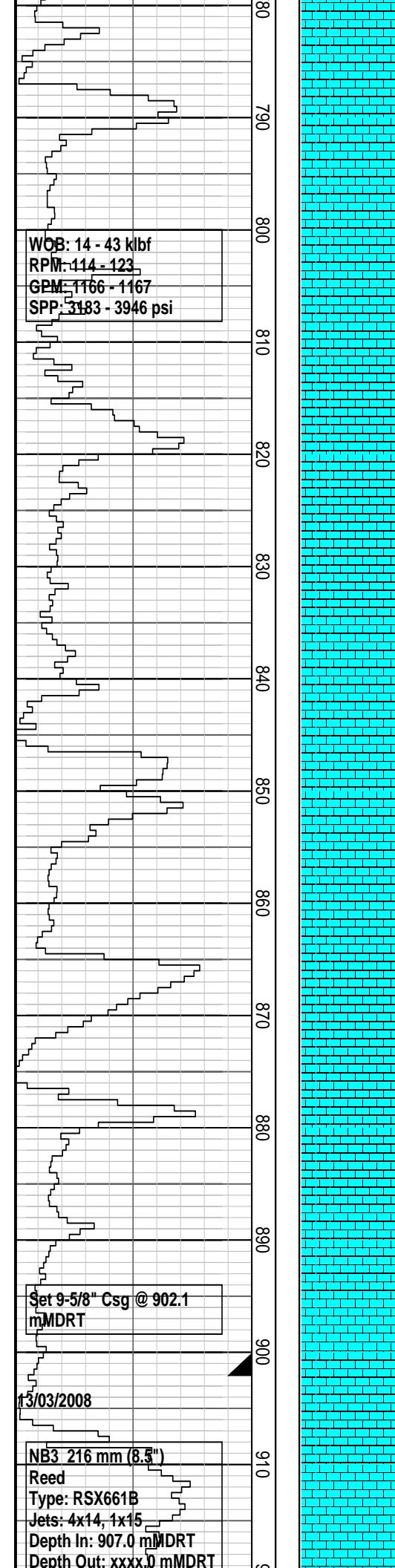
WOB: 11 - 37 klf
RPM: 108 - 118
GPM: 1166 - 1167
SPP: 2985 - 3793 psi



CALCARENITE : lt-m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblk-blky.



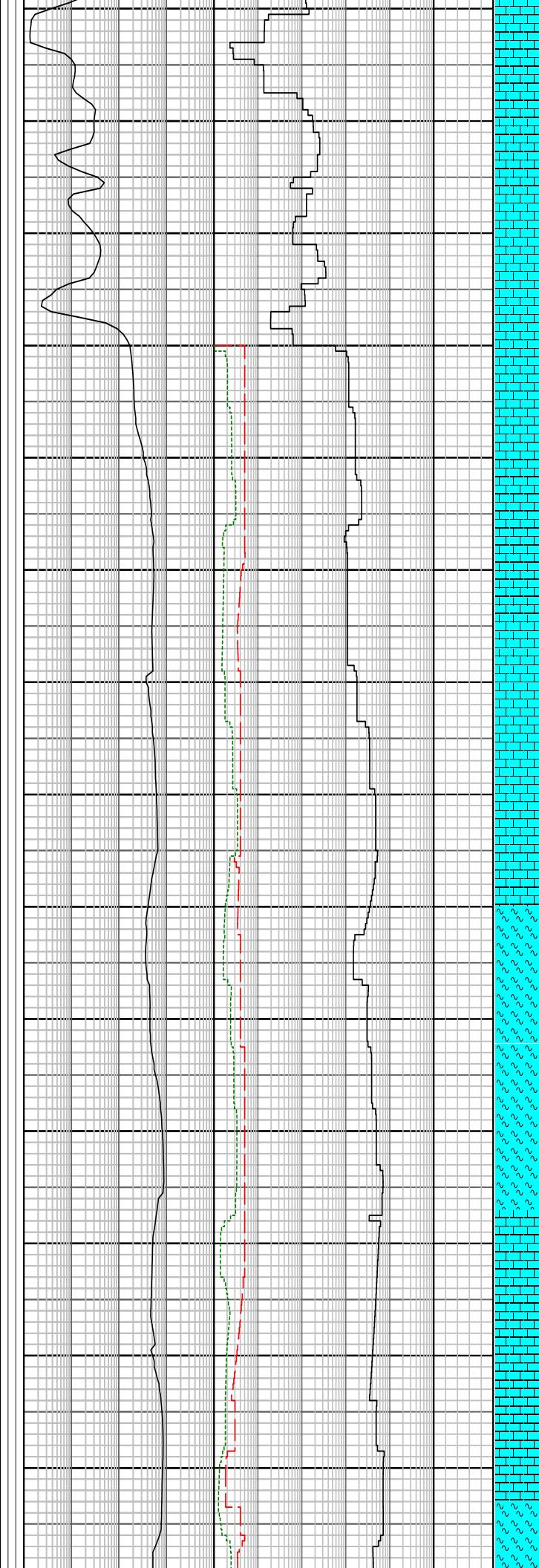
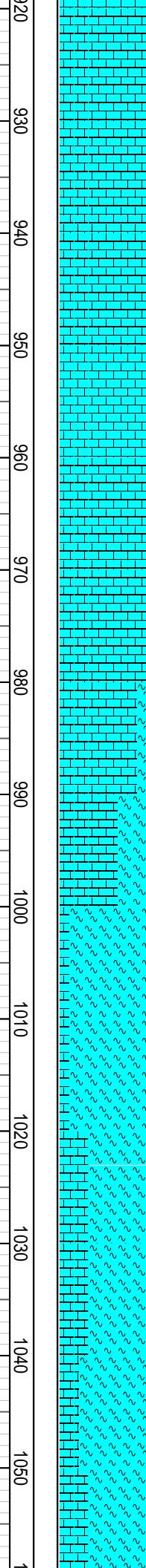
CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblk-blky.



Drilled xxx m xx hrs
Grade: X-X-X-X

WOB: 18 - 54 klf
RPM: 113 - 123
GPM: 1155 - 1171
SPP: 3463 - 3979 psi

WQB: 6 - 63 klf
RPM: 37 - 123
GPM: 446 - 1171
SPP: 909 - 3900 psi



CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblkly-blky.

MARL: lt gy-lt gnsh gy, lt brnsh gy-off wh, tr glauc grs, tr carb spks & micr lam, tr v fn qtz & calc grs, sft-disp, amor-sbblkly

CALCARENITE : lt-m gy, pred m gy, lt bl gy , mnr m dk gy, com v fn-fn qtz grs, com foss frags, mod hd-hd, sbblkly-blky.

MARL: It gy-it gnsh gy, lt
brnsh gy-off wh, tr glauc grs,
tr carb spks & micr lam, tr v
fn qtz & calc grs,
sft-disp,amor-sbbly

MARL: It gy-it gnsh gy, lt
brnsh gy-off wh, tr glauc grs,
tr carb spks & micr lam, tr v
fn qtz & calc grs,
sft-disp,amor-sbbly

1115.0 mMDRT
Total Gas: 1.2720%
C1: 10659 ppm
C2: 5 ppm
C3: 3 ppm

MARL: It gy-it gnsh gy, lt
brnsh gy-off wh, tr glauc grs,
tr carb spks & micr lam, tr v
fn qtz & calc grs,
sft-disp,amor-sbbly

WOB: 10 - 27 klf
RPM: 99 - 144
GPM: 440 - 674
SPP: 4389 - 2575 psi

WOB: 15 - 49 klf
RPM: 105 - 144
GPM: 576 - 696
SPP: 1464 - 3880 psi

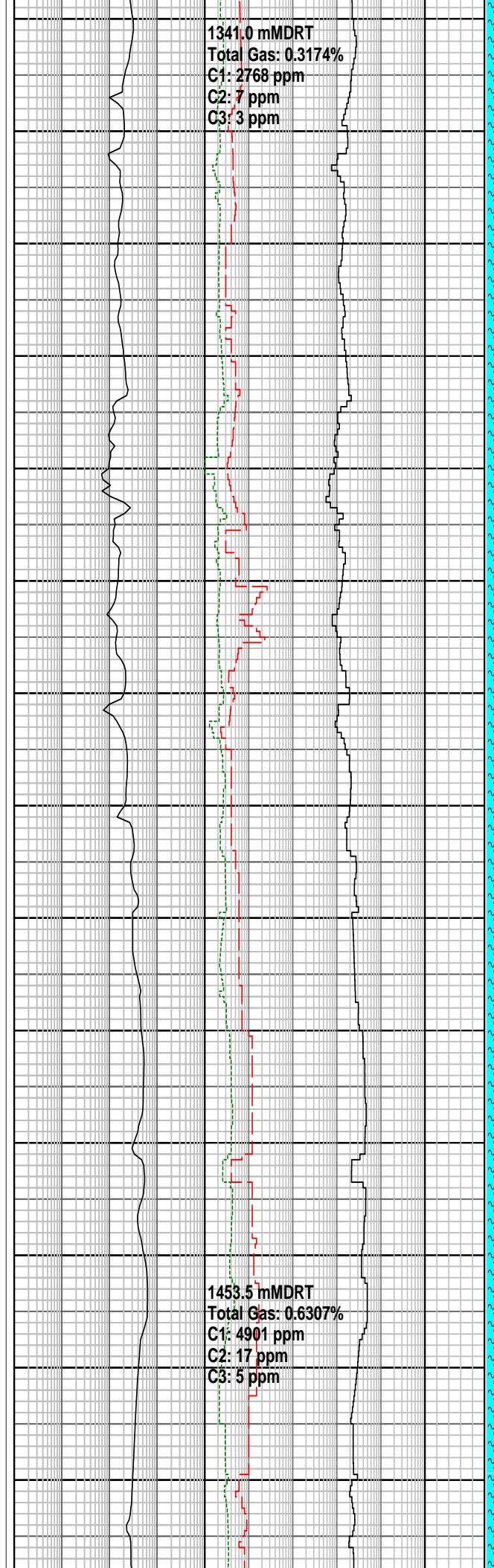
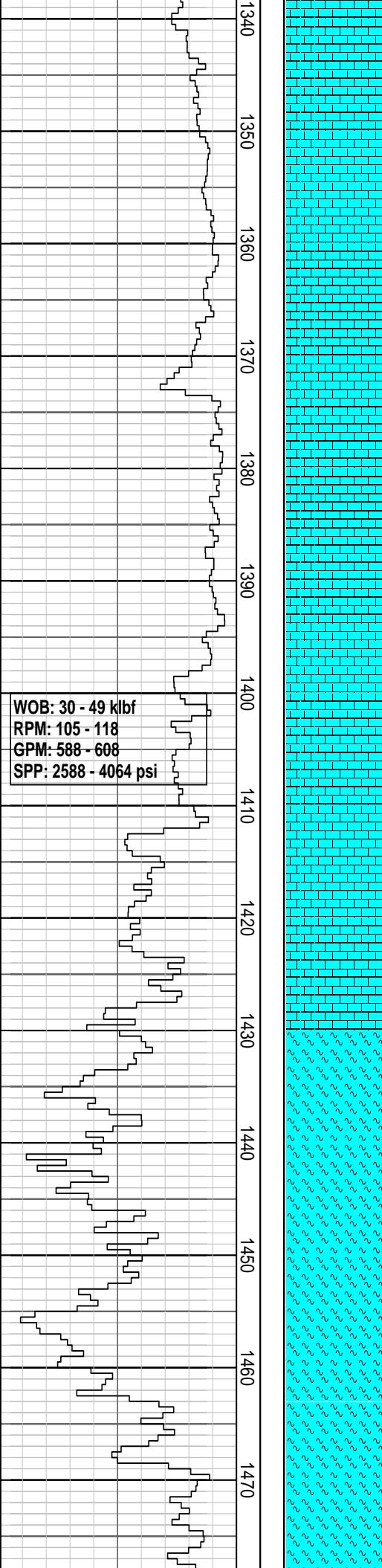
1207.0 mMDRT
Total Gas: 1.4516%
C1: 10734 ppm
C2: 6 ppm
C3: 2 ppm

MARL: It gy-lt gnsh gy, lt
brnsh gy-off wh, tr glauc grs,
tr carb spks & micr lam, tr v
fn qtz & calc grs,
st-disp,amor-sbbly

MARL: It gy-lt gnsh gy, lt
brnsh gy-off wh, tr glauc grs,
tr carb spks & micr lam, tr v
fn qtz & calc grs,
st-disp,amor-sbbly

MARL: It gy-lt gnsh gy, lt
brnsh gy-off wh, tr glauc grs,
tr carb spks & micr lam, tr v
fn qtz & calc grs,
st-disp,amor-sbbly

MW: 1.14 sg FV: 58
PV : 17 YP: 25
Gels: 10/12/15 pH: 8.90



17/03/2008

WOB: 24 - 42 klf
RPM: 81 - 112
GPM: 594 - 602
SPP: 2565 - 3483 psi

MARL: lt-m gy, m brnsh gy, off wh, abd arg mat, com carb lam & spks, occ lit, mnr fn-med sph qtz grs, loc silt lam & grd to CALCISILTITE, mod hd-hd, sbblkly-blky, disp i/p

MARL: pl-med gy, lt brn gy, trnsl i/p, com fn-crs ang-sph qtz grs, com microfos, abd arg mat, mnr-loc com carb lam & spks, mnr nod pyr, frm-hd, sbblkly

1467.5 mMDRT
Total Gas: 0.4157%
C1: 3652 ppm
C2: 12 ppm
C3: 4 ppm

WOB: 23 - 41 klf
RPM: 78 - 124
GPM: 490 - 610
SPP: 2227 - 3596 psi

FORMATION EVALUATION LOG

Drilling Rate		Gas Data				Chromatograph Data		Interpreted Lithology	Lithology Description		
ROP (m/hr)		Gas Hydrocarbon Avg %		Methane ppm		100000					
200	180	160	140	120	100	80	60	40	20		
400	380	360	340	320	300	280	260	240	220		
ROP (m/hr)		Gas Data				Chromatograph Data		Interpreted Lithology			
MD meters		Gas Hydrocarbon Avg %		Methane ppm		100000	Lithology Description				
1,500		0.01	0.1	1	10	100000	Calcareous Shale				
TVDRT meters		P	F	G	1	Ethane ppm	Organic-rich Shale				
Visual Inferred Porosity		P	F	G	1	Propane ppm	Organic-rich Shale				
Cuttings Lithology					1	iso-Butane ppm	Organic-rich Shale				
					1	n-Butane ppm	Organic-rich Shale				
					1	iso-Pentane ppm	Organic-rich Shale				
					1	n-Pentane ppm	Organic-rich Shale				