BP Amoco

COMPOSITE WELL LOG 1:500

WELL: 35/8-4

OPERATOR:	AMOCO NORWAY
COUNTRY:	NORWAY
AREA:	NORTH VIKING GRABEN
LICENSE:	PL 195
BLOCK:	35/8
GROUP INTEREST:	BPPDAS 25% NORSK HYDRO 25% CONOCO 15% SDØE 35%

GEOGRAPHICAL COORDINATES		UTM(Zone 31):		
LAT:	61°21' 32.95" N	X:	527 041.38m E	
LONG:	3°30' 20.41" E	Y:	6 803 059.32m N	
TARGET COORDINATES (3656m)		UTM:		
LAT:	61°21' 32.63" N	X:	527 058.9m E	
LONG:	3°30' 21.31" E	Y:	6 803 049.5m N	
BOTTOM HOLE COORDINATES		UTM:		
LAT:	61°21' 32.54" N	X:	527 055.7m E	
LONG:	3°30' 21.44" E	Y:	6 803 046.6m N	

K.B. ELEVATION: 18m
TOTAL DEPTH: 3719m
WATER DEPTH: 376m
BOTTOM HOLE FORMATION: SOGNEFJORD

PRE-SPUD CLASSIFICATION:	EXPLORATION
DATE ON LOCATION:	3rd JULY 1999
SPUD DATE:	4th JULY 1999
DATE TD REACHED:	3rd AUGUST 1999
COMPLETION DATE:	9th AUGUST 1999
RIG RELEASE DATE:	10th AUGUST 1999
WELL STATUS:	PLUGGED & ABANDONED
WELL CLASSIFICATION:	DRY HOLE

RIG:	WEST ALPHA
DRILLING CONTRACTOR:	SMEDVIG
WIRELINE LOGGING CONTRACTOR:	SCHLUMBERGER
MWD-LOGGING CONTRACTOR:	ANADRILL
MUDLOGGING CONTRACTOR:	BAKER HUGHES

WELLSITE GEOLOGISTS:
JOHN MIDGLEY
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COMPILED BY:
W.D.CHURCHER

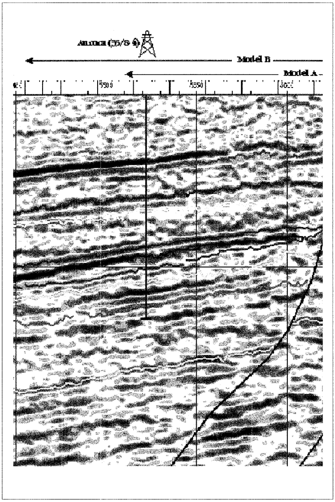
HOLE AND CASING RECORD

CASING/ LINER	SHOE m RKB	HOLE SIZE	INTERVAL m, RKB	REMARKS
30"	470m	36"	394-473m	NO LOT
20"	898m	26"	473-910m	LOT 1.41sg
13 3/8"	2008m	17 1/2"	910-2017m	LOT 1.55sg
9 5/8"	3340m	12 1/4"	2017-3356m	LOT 1.93sg
N/A	N/A	8 1/2"	3356-3719m	P & A

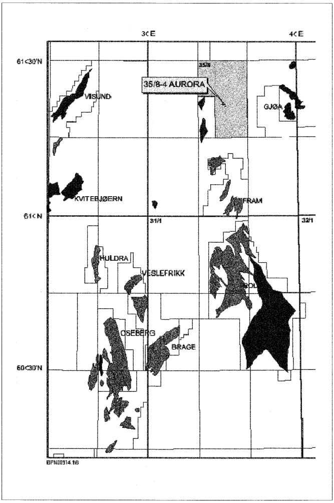
MUD DATA

FLUID TYPE	HOLE SIZE	MW,sg	VIS,sec	pH	FLUID LOSS,cc
SEAWATER	36"	1.06	100	N/A	N/A
SEAWATER	26"	1.06	100	N/A	N/A
BARASILC	17 1/2"	1.29	71	12	33
BARASILC	12 1/4"	1.30	71	12.1	22
BARASILC	8 1/2"	1.30	85	12.1	33

WELL PROFILE



WELL LOCATION MAP



WIRELINE / MWD RUNS

MWD RUNS

LOGS RUN	TERMINAL DEPTH (MBRT)
DIR	473
DIR/CDR/PWD	910
DIR/CDR/PWD	1852
DIR/CDR/PWD	2017
DIR/CDR/PWD	3356
DIR/CDR/PWD /RAB/ISONIC/ADN	3719 (TD)

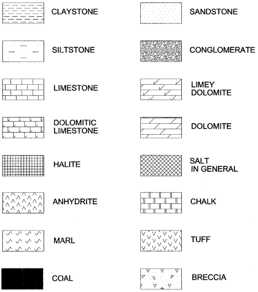
WIRELINE RUNS

LOGS RUN	DRILLED DEPTH (MBRT)
RUN 1A: MDT/GR (GR LOGGED TO SURFACE)	376-3708.2

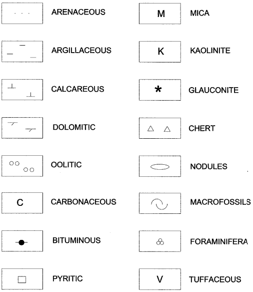
STRATIGRAPHY

STRATIGRAPHY (FORMATION)	DEPTH MMDBRT	DEPTH MTVDBRT	DEPTH MTVDSS	VERT THICKNESS (M)
GRID SST	992.1	992.1	974.1	N/A
BALDER	1528.2	1528.1	1510.1	22.1
SELE	1550.3	1550.2	1532.2	29.0
LISTA	1579.2	1579.2	1561.2	138.2
HEIMDAL(TY EQ)	1717.5	1717.4	1699.4	75.7
VÅLE	1793.2	1793.1	1775.1	16.8
JORSALFARE	1810.0	1809.9	1791.9	162.7
KYRRE	1972.7	1972.6	1954.6	963.5
TRYGVASSON	2936.3	2936.1	2918.1	264.3
BLODØKS	3200.5	3200.4	3182.4	5.3
SVARTE	3206.0	3205.7	3187.7	7.2
RODBY	3213.2	3212.9	3194.9	87.9
ÅSGARD	3301.3	3300.8	3282.8	163.6
DRAUPNE	3465.0	3464.4	3446.4	125.8
HEATHER	3590.9	3590.2	3572.2	47.8
SOGNEFJORD	3638.8	3638.0	3620.0	N/A

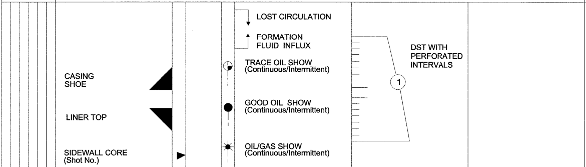
LITHOLOGIC SYMBOLS



QUALIFIERS



CHRONO STRAT	GENERAL SYMBOLS	COMMENTS


LOST CIRCULATION
FORMATION FLUID INFLUX
TRACE OIL SHOW (Continuous/Intermittent)
DST WITH PERFORATED INTERVALS
1
CASING SHOE
GOOD OIL SHOW (Continuous/Intermittent)
LINER TOP
SIDEWALL CORE (Shot No.)
OIL/GAS SHOW (Continuous/Intermittent)

NO RECOVERY

CORE
INTERVAL

NO RECOVERY

GAS SHOW
(Continuous/Intermittent)

RFT/MDT

SAMPLE

UNCONFORMITY

FAULT

3.25

HOLE DEVIATION

10°

STRUCTURAL DIP
AND DIRECTION

AUTHOR : W.CHURCHER

DATE : 2nd OCTOBER 1999

DIGITALLY DRAUGHTED USING:
QLOG SOFTWARE

SCALE :

1/500

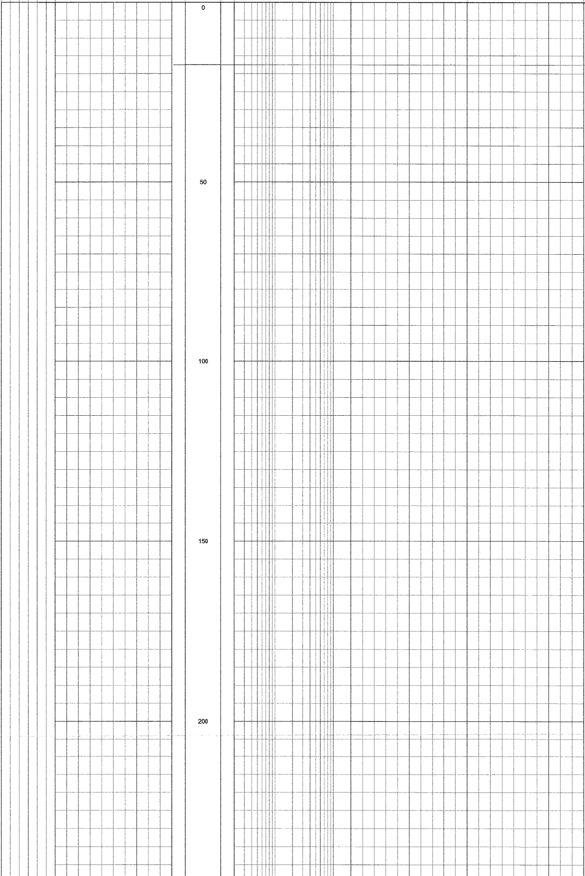
GAMMA RAY

RESISTIVITY

DENSITY/NEUTRON

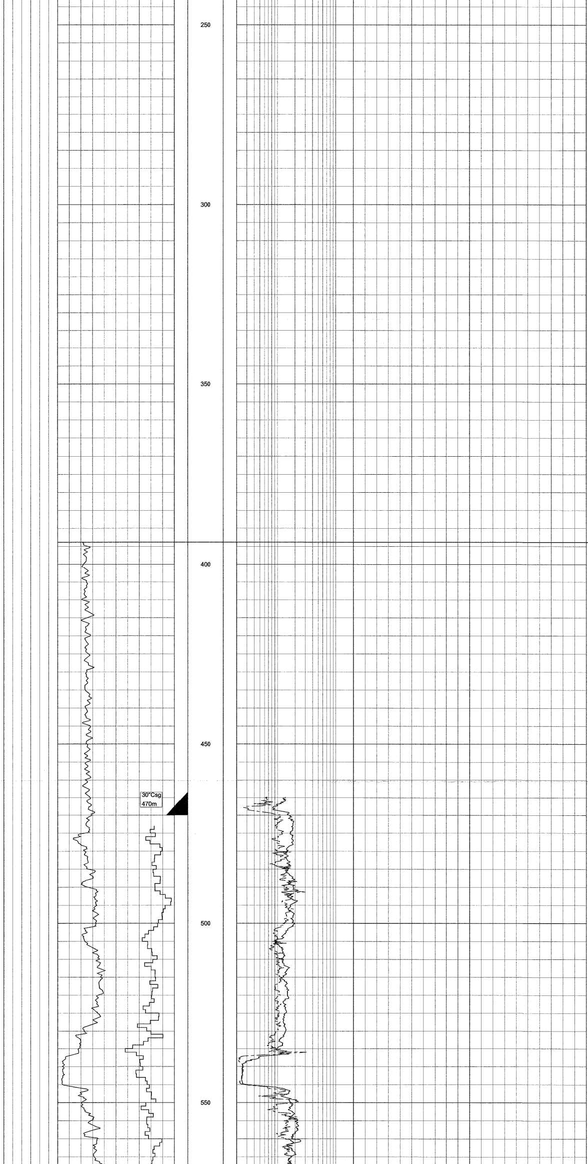
SONIC

PERIOD	EPOCH	AGE	GROUP	FORMATION	GAMMA RAY	CORES	LITHOLOGY/DEPTH	GAS/OIL SHOWS & MDT	RESISTIVITY	DENSITY/NEUTRON	SONIC	LITHOLOGICAL DESCRIPTIONS / REMARKS
					200.00 ROP (m/hr) 0.00				0.2 HRes_Rt (ohm-m) 20.00	1.95 RHOB (g/cm3) 2.95	140.00 DT (us/ft) 40.00	
					0.00 GR (api) 300.00				0.2 HRes_Rm (ohm-m) 20.00	0.45 HPHI (pu) -0.15		
					6.00 BIT (in) 26.00				0.2 HRes_Rxo (ohm-m) 20.00	-0.75 DRHO (g/cm3) 0.25		
					6.00 CAL (in) 26.00							



Mean Sea Level 18.0m MD

WIRELINE LOGS:
RUN 1A: MDT/GR
INTERVAL: 376-3708mMD
GR was logged to surface



MUD LINE 394m MD

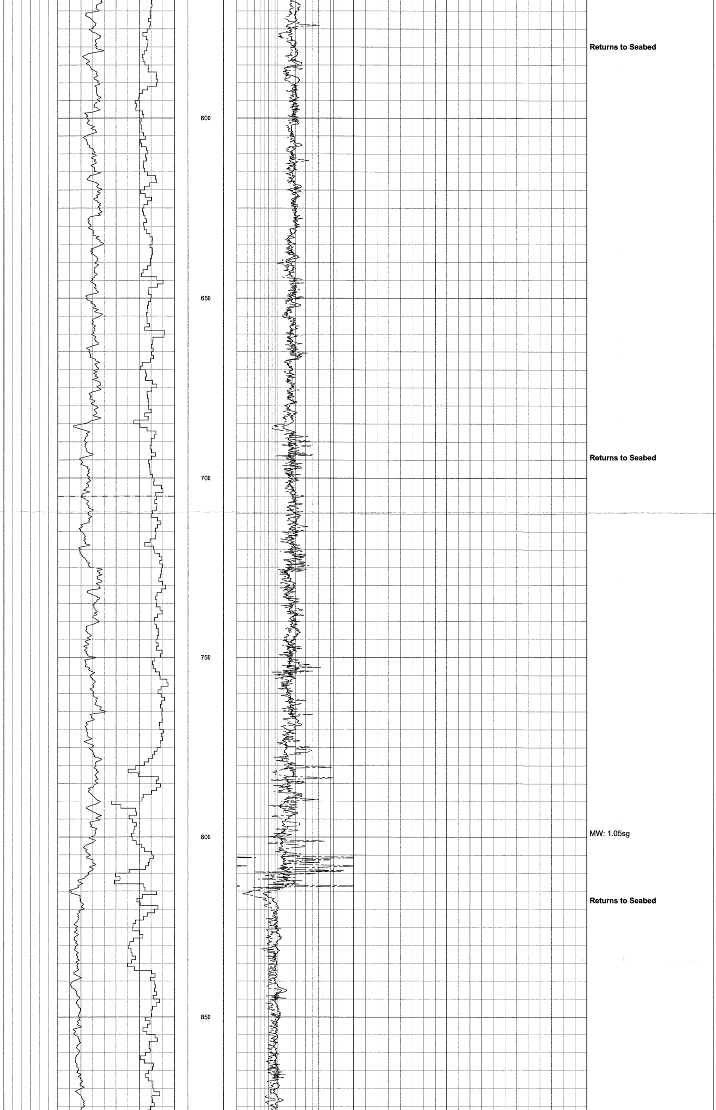
Drilled with returns to seabed, using seawater with high viscosity sweeps.

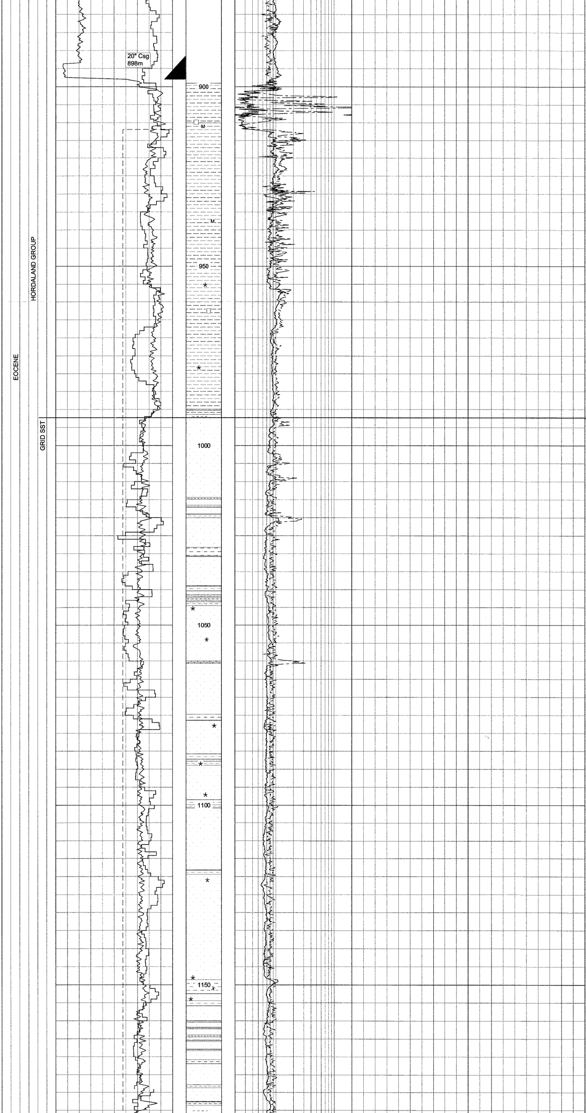
36" HOLE:
LWD: DIR TO 473mMD

MW: 1.05sg

Returns to Seabed

26" HOLE:
LWD: DIR/GR/RES(CDR)/PWD
TO 910mMD





Returns to surface from 898mMD

Leak off Test 1.41sg

Displace seawater with silicate mud.

MW: 1.24sg

Note: GR response seen to wrap, owing to presence of potassium in the mud system.

17 1/2" HOLE:
LWD:DIR/GR/RES(CDR)/PWD TO 1852mMD

Sand: generally loose clear quartz, fine to coarse grained, occasionally translucent, rare lithoclasts, angular to subangular, poorly rounded, poorly sorted. Also rarely as fine grained sandstone subangular, subrounded, moderately sorted, moderately cemented with no visible porosity.

Mudstone: light grey, in parts becoming medium grey, blocky,soft-firm, silty, with variable micropyrite, micromica, scattered glauconite and carbonaceous flecks.

GRID SST: 992.1m MD
-974.1m TVDSS

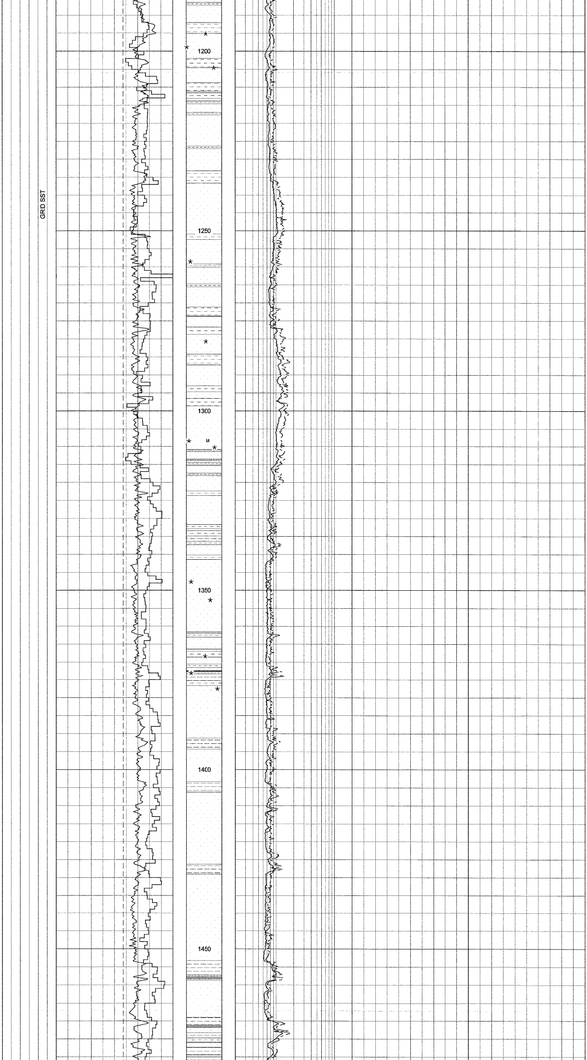
Sand: transparent to slightly opaque, fine to medium, occasionally coarse, abundant fractured grains, angular to slightly sub rounded, elongated to sub spherical, poorly sorted, locally poorly indurated, grading to SANDSTONE, no visible porosity, locally argillaceous, commonly glauconitic.

Mudstone: medium brown green, blocky, commonly arenaceous, soft to firm, occasionally micropyritic.

Sand: commonly translucent / opaque, clear / glassy, medium to locally very coarse, angular to sub angular - moderately well rounded, sub elongated to sub spherical, common fractured grains, locally grading medium **Sandstone**: poor induration, locally poor calcareous cement, commonly blocky **Quartz**: very dark grey to light grey brown, common coarse green / yellow stain, medium green glauconite and glauconitic dominated microlithoclasts, common dark green / black / pyritic inclusions in Quartz, generally increasingly glauconitic with depth.

Mudstone: medium brown green, blocky, commonly arenaceous, soft to firm, occasionally micropyritic, commonly glauconitic.

Mudstone increasingly light olive green / light green brown, firm, blocky, non-calcareous, locally arenaceous / silty.



Survey@ 1206.9mMD
0.15deg Incl, 182.7deg Az

Sand: clear / translucent, glassy, locally opaque, fine to medium, locally coarse fractured grains, sub rounded to rounded, sub spherical, moderately well sorted, poorly indurated, common discrete glauconite, trace very fine glauconitic Sandstone, local yellow iron stain on medium to coarse grains.

Mudstone: brown to brown green, soft to slightly firm, sub blocky, poor defined laminations, commonly arenaceous, occasionally micromicaceous, locally glauconitic, commonly grading Siltstone.

Sand: clear / translucent, glassy, locally opaque, fine to medium, locally coarse fractured grains, sub rounded to rounded, sub spherical, moderately well sorted, poorly indurated, common discrete glauconite, trace very fine glauconitic Sandstone, local yellow iron stain on medium to coarse grains.

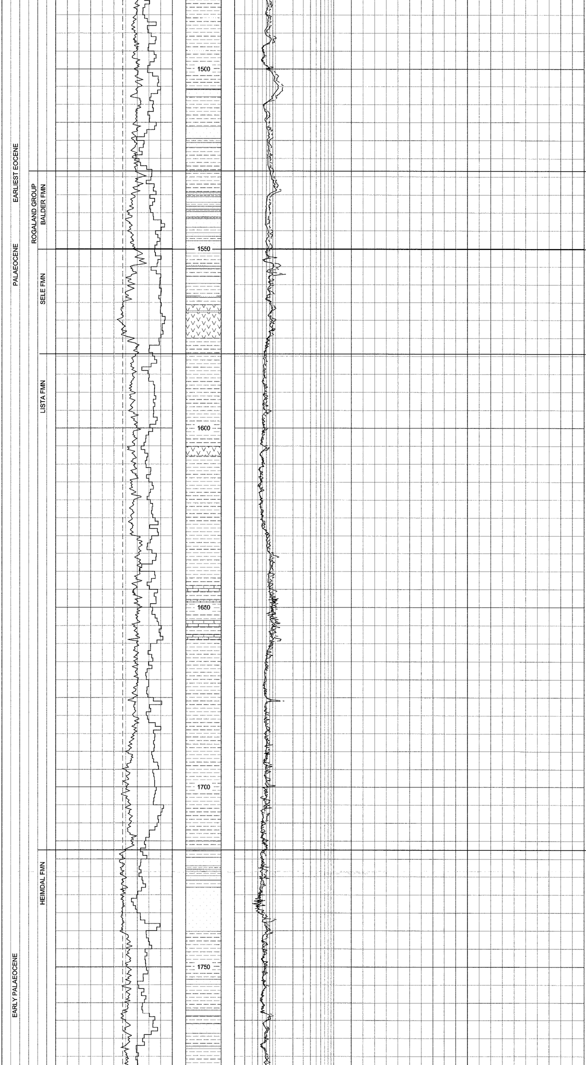
Survey@ 1374.3MD
0.10deg Incl, 150.33deg Az

Mudstone: predominantly brown to green brown, soft to firm, sub blocky to papery, local poor defined laminations, commonly silty / arenaceous, locally abundant yellow iron stain, locally micromicaceous, non-calcareous, locally common glauconite.

Sand/Sandstone: translucent, transparent, clear, fine to medium, locally coarse fractured grains, sub rounded to rounded, sub spherical, moderately well sorted, poorly indurated, common discrete glauconite, trace very fine glauconitic Sandstone, local yellow iron stain on medium to coarse grains.

MW: 1.26sg

Mudstone: light to medium grey, also green grey, rarely orange grey, blocky, rarely tabular to platy, soft to firm, non calcareous, silty in places, with rare glauconite.



Mudstone: light grey / green grey, occasionally medium brown / red brown, firm, blocky, locally silty, arenaceous in places.

Sand: clear to opaque, occasionally glassy, occasionally frosted white, fine to medium, sub angular, sub elongated, commonly chipped, moderately well sorted, poor induration, no visible cement, locally pale green glauconitic stain, occasional discrete glauconite.

BALDER: 1528.2mMD -1510.1mTVDSS

Mudstone: light grey / green grey, occasionally medium brown / red brown, locally blue grey, firm, blocky, locally silty, arenaceous.

Sand: clear,opaque, fine-medium, sub angular, sub elongate moderately well sorted, loose, glauconitic i/p.

SELE: 1550.3mMD -1532.2mTVDSS

Tuff: medium light grey, locally white streaks, locally mottled black specks, soft to firm, crumbly to slightly blocky, non calcareous.

Mudstone: predominantly light grey, medium grey, greenish grey, firm, blocky, silty.

LISTA: 1579.2mMD -1561.2mTVDSS

Mudstone: predominantly olive green grey, becoming medium to light grey with depth, soft to locally firm, blocky to sub blocky, slight conchoidal fracture in places, rare tuffaceous / silty lithoclasts, non calcareous. With depth showing calcareous lenses / glauconitic nodules.

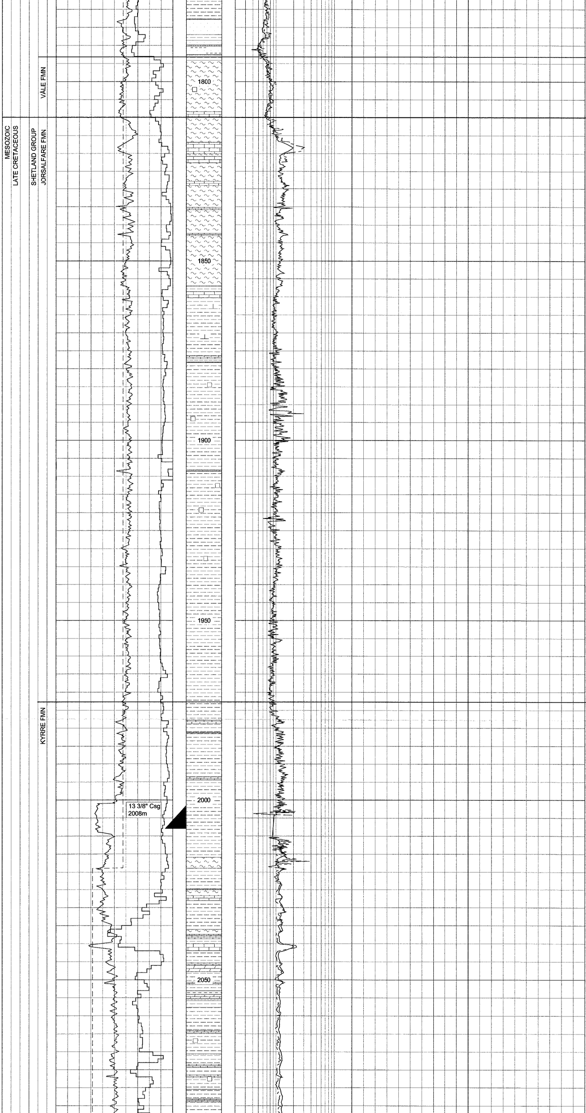
Limestone: pale buff brown, locally off white - very light brown, Mudstone / Microcrystalline, locally Wackestone / Packstone with depth, hard, splintery, no visible porosity.

Mudstone: medium to light grey, locally light green grey, firm, sub blocky, slightly hydrofissile, predominantly non calcareous, arenaceous streaks.

HEIMDAL (TY EQUIVALENT): 1717.5m MD, -1699.4mTVDSS

Sandstone: predominantly translucent / opaque, locally white, locally clear, predominantly medium, locally fine, sub angular, sub spherical to sub elongate, commonly chipped, poor induration, occasionally dark possibly argillaceous / heavy mineral fine inclusions, **Quartz**: opaque to grey / smoky, well rounded, sub spherical to sub elongate, abundant rock flour.

Mudstone: medium to light grey, locally light green grey, firm, sub blocky, slightly hydrofissile, predominantly non calcareous, arenaceous streaks.



VÅLE: 1793.2m MD
-1775.1mTVDSS

Marl: Light to medium grey, soft to commonly firm, blocky-sub blocky, homogeneous, grading to argillaceous limestone, rare disseminated and nodular pyrite.

JORSALFARE: 1810.0m MD
-1791.9mTVDSS

Limestone: light grey, off white, microcrystalline, blocky to tabular, firm to hard, in parts with vuggy porosity.

Marl: Light to medium grey, generally firm , in parts soft to firm, blocky to sub blocky, homogeneous, grading to argillaceous limestone, rare pyrite both disseminated and nodular.

17 1/2" HOLE (cont)
LWD: DIR/GR/RES(CDR)/PWD TO 2017mMD

Mudstone: medium grey, in parts dark grey, blocky, occasionally tabular, generally firm, moderately calcareous, in parts poorly laminated and slightly silty, rare micropyrite.

Limestone: off white, in parts buff, blocky to tabular, firm, microcrystalline, no visible porosity.

Marl: Light to medium grey, generally firm , in parts soft to firm, blocky to sub blocky, homogeneous, grading to argillaceous limestone, rare pyrite both disseminated and nodular.

Mudstone: medium to light grey, occasionally slightly argillaceous brown grey, sub blocky, locally light grey calcareous streaks, commonly grading brown grey **Siltstone** with occasional poorly developed pyritic streaks, non calcareous.

KYRRE: 1972.7m MD
-1954.6mTVDSS

Mudstone: initially predominantly olive grey, commonly grey, locally red brown / purple brown, soft to locally firm, sub blocky to commonly crumbly, commonly calcareous, locally silty quickly becoming olive grey, red brown with common integral olive grey microconglomerate, predominantly firm, sub blocky, slightly silty in places, trace pyrite, rare trace **Limestone**: off white / buff, hard, splintery.

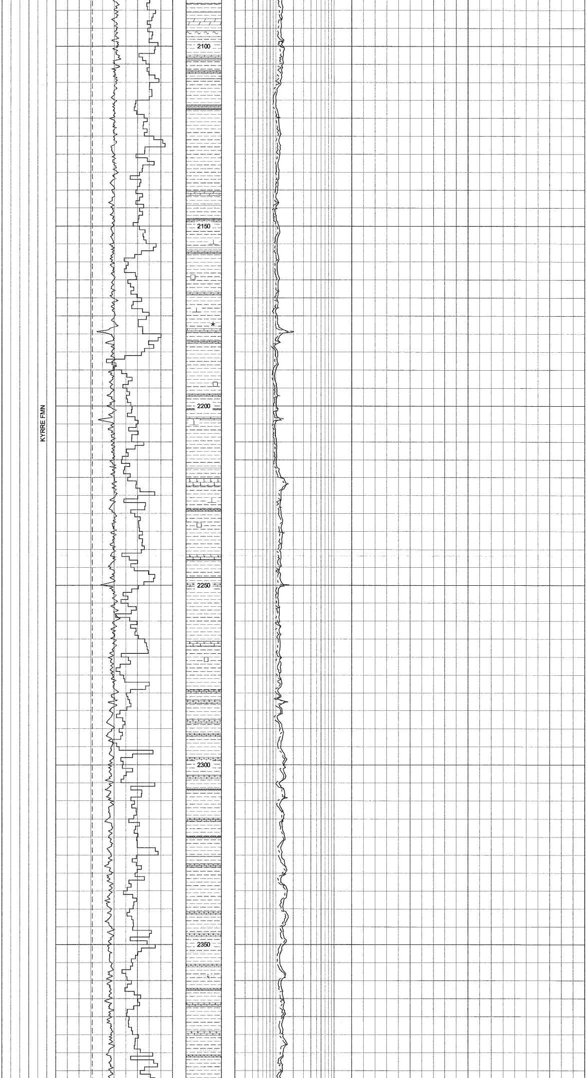
Leak off Test 1.55 sg

12 1/4" HOLE:
LWD: DIR/GR/RES(CDR)/PWD TO 3356mMD

Limestone: white, off white, tabular to blocky, firm, microcrystalline, occasionally vuggy porosity.

Mudstone: light to medium grey, occasionally olive grey, soft to firm, locally slightly silty, commonly calcareous, rare nodular pyrite.

Dolomite: tan to medium brown, blocky, hard, microcrystalline.



MW:1.30sg

Mudstone: medium grey, rarely green grey, firm, non to distinctly calcareous, trace pyrite.

Limestone: cream to tan, firm, crpxln to micxln, mudstone texture, locally dolomitic, trace glauconite, no visible porosity. Trace Dolomite.

Survey@ 2211.3mMD
0.84deg Incl, 355.22deg Az

Mudstone: medium grey, rarely green grey, firm, trace pyrite, generally calcareous.

Mudstone: medium grey, rarely green grey, firm, slightly to moderately calcareous, trace pyrite.

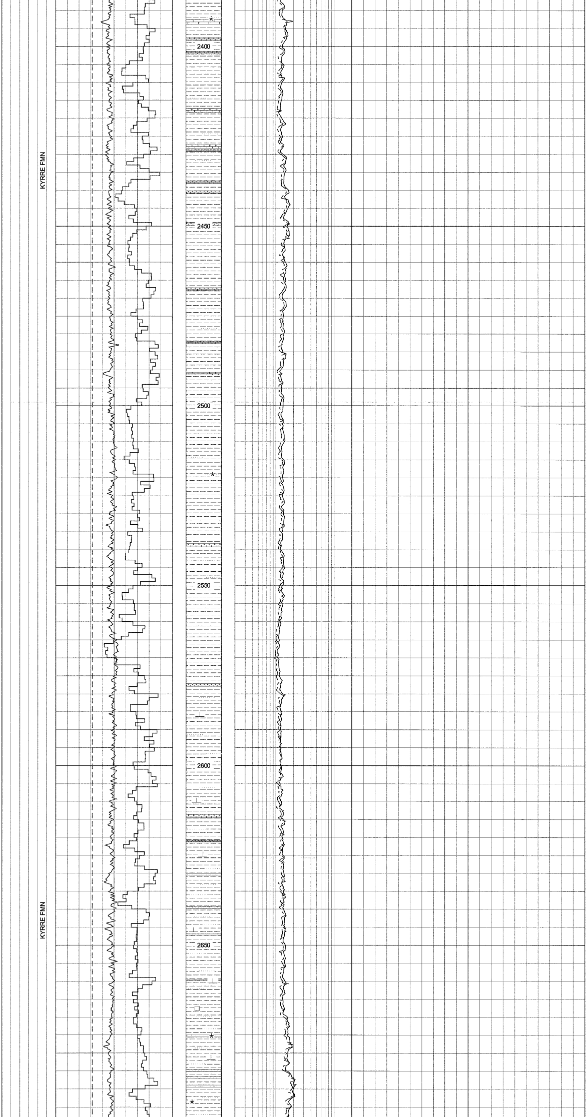
Limestone: cream to light brown, moderately hard, locally argillaceous, dolomitic in places, mudstone texture, no visible porosity.

Mudstone: medium grey, rarely green grey, firm, non to slightly calcareous, locally very silty.

MW:1.30sg

Limestone: light to medium brown, moderately hard to hard, locally argillaceous, commonly dolomitic, mudstone texture, no visible porosity.

Trace **Sandstone:** light grey, soft to hard, very fine grained, moderately sorted, poorly to well calcareous cemented, glauconitic, no visible porosity.



Mudstone: medium grey, firm, locally silty, non to slightly calcareous, rare pyrite.

Limestone: tan to medium brown, hard, locally argillaceous, commonly dolomitic, mudstone texture, no visible porosity.

MW:1.30sg

Survey@ 2463.3mMD
0.77deg Incl, 355.23deg Az

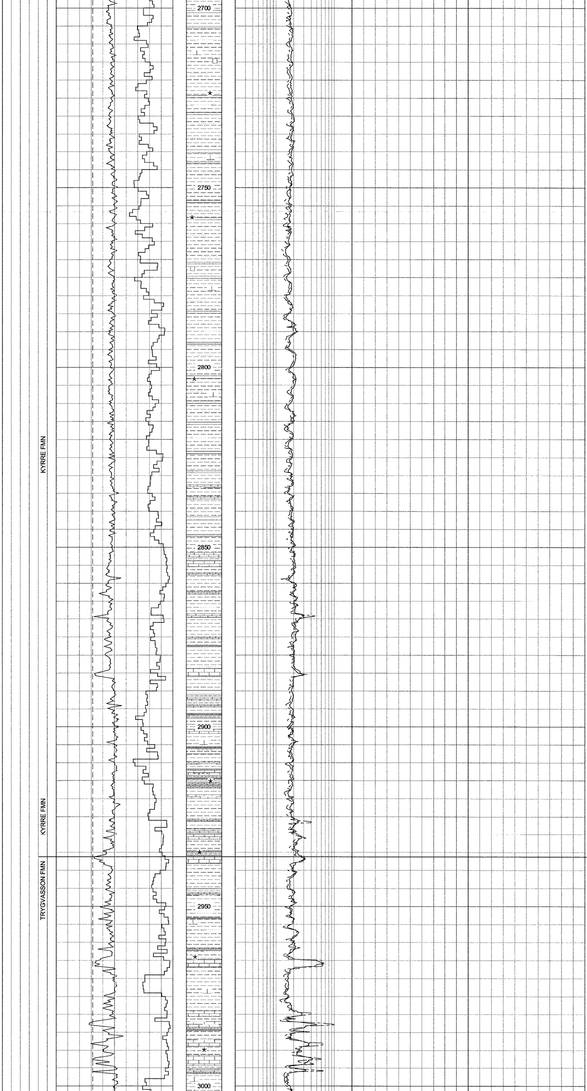
Survey@ 2548.6MD
0.75deg Incl, 16.07deg Az

Mudstone: medium grey, trace to occasionally green grey, firm, locally silty, becoming increasingly calcareous, trace dolomitic limestone.

Trace **Sandstone:** pale grey, friable to hard, very fine grained, argillaceous to occasionally calcareous cemented, moderately sorted, locally glauconitic, no visible porosity.

Mudstone: medium grey, trace to occasionally green grey, soft to firm, commonly silty grading to Siltstone, trace pyrite. Trace Limestone.

Sandstone: off white to light grey, firm to hard, very fine to silt grain size, moderately sorted, locally argillaceous, friable to well calcareous cemented, glauconitic, no visible porosity, no show.



Mudstone: medium grey, trace to occasionally green grey, firm, commonly very silty grading to Siltstone, moderately to distinctly calcareous, trace pyrite, trace glauconite.

Trace **Limestone:** off white to pale brown, moderately hard, microcrystalline to occasionally crystalline and fibrous, mudstone texture, no visible porosity.

Sandstone: off white to pale grey, light brown, very fine to silt grain size, moderately sorted, locally abundant carbonate cement, commonly glauconitic.

MW:1.30sg

Limestone: off white, light grey, tan, firm to moderately hard, microcrystalline, in parts slightly sandy.

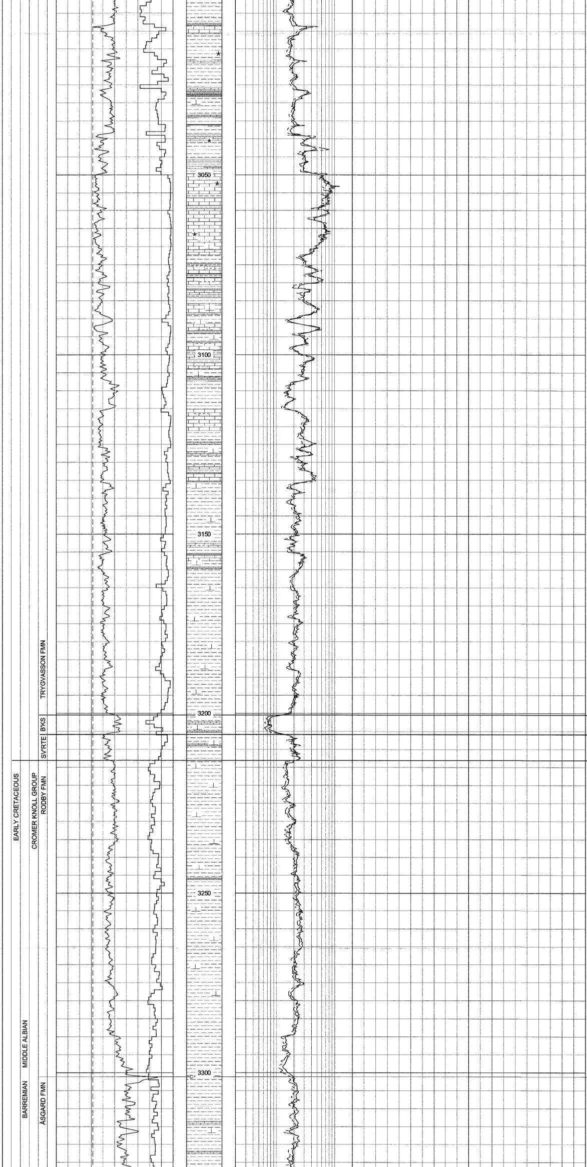
Mudstone: medium grey, firm, blocky, locally silty, slightly to moderately calcareous, grading to marl in parts.

TRYGVASSON: 2936.3m MD
-2918.1mTVDSS

Limestone: off white to pale grey, firm to moderately hard, blocky, micxln, locally very argillaceous, occasionally very sandy, locally common glauconite, mudstone texture, no visible porosity.

Survey@ 2968.1mMD
1.34deg Incl, 123.4deg Az

Mudstone: medium grey, firm, blocky, locally very silty grading to Siltstone, moderately to distinctly calcareous, trace glauconite.



Limestone: off white to pale grey, firm to moderately hard, blocky, micxln, locally very argillaceous, occasionally very sandy, locally common glauconite, mudstone texture, no visible porosity.

Mudstone: light to medium grey, blocky, firm, locally silty, moderately to highly calcareous, grading to limestone.

Limestone: pale to light grey, firm to moderately hard, distinctly argillaceous, locally common very fine to silt grain sized quartz, glauconitic, mudstone texture, no visible porosity, no show.

MW:1.30sg

Mudstone: light to medium grey, firm, distinctly calcareous, locally grading to Argillaceous Limestone, trace glauconite, trace very fine quartz sand.

BLODØKS: 3200.5m MD
-3182.4mTVDSS

Mudstone: red brown, firm, n.calc.

SVARTE:3206.0mMD,
-3187.7mTVDSS

RØDBY:3213.2mMD
-3194.9mTVDSS

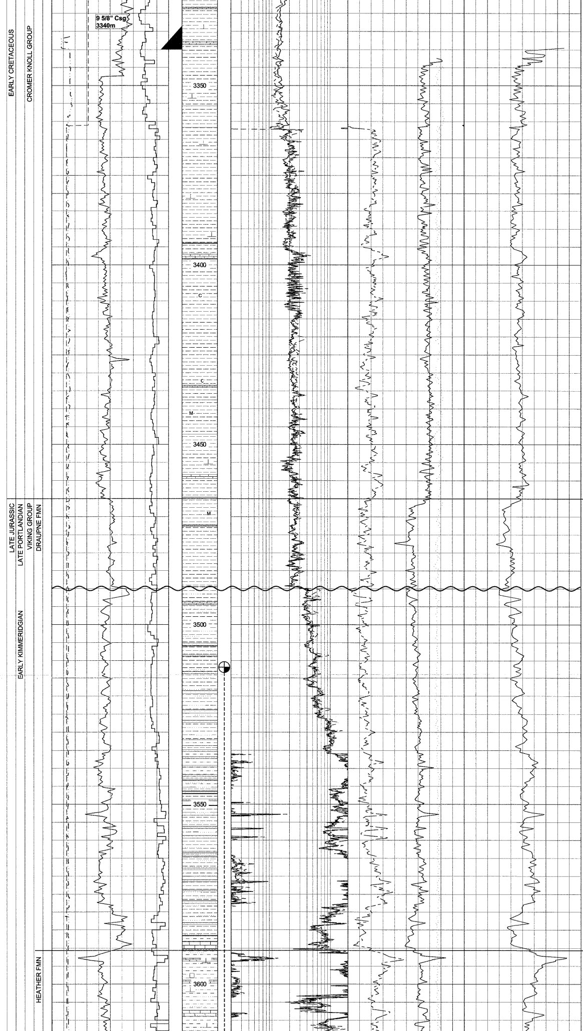
Mudstone: light to medium grey, trace dark grey, green grey, rarely pale red, firm, occasionally slightly silty, generally distinctly calcareous. Trace Limestone, off white, micxln.

Survey@ 3220.6mMD
1.88deg Incl, 163.86deg Az

Mudstone: light to medium grey, firm, occasionally slightly silty, generally distinctly calcareous. Trace Limestone, off white micxln. Trace Calcareous Dolomite, medium yellow brown, hard, microcrystalline.

ÅSGARD: 3301.3mMD
-3282.8mTVDSS

Mudstone: medium grey, red brown, occasionally light grey, firm, non to moderately calcareous becoming distinctly calcareous, locally slightly silty. Trace Limestone, off white, light grey brown, locally pale green, firm to hard, micxln, mudstone texture.



Mudstone: red brown, firm, slightly silty in places, generally distinctly calcareous.

Mudstone: medium grey, blocky, firm,moderately calcareous, locally silty

Leak off Test 1.93 sg

8 1/2" HOLE:
LWD:DIR/GR/RES(CDR)/PWD/RAB/
ISONIC/ADN TO 3719mMD

Tr: Limestone: Light yellow brown, moderately hard to hard, splintery to crumbly, crypto-microcrystalline, trace dull yellow direct fluorescence, no cut, no visible residue.

Mudstone: medium grey -medium dark grey, rarely blue/grey, red/brown, firm, blocky, moderately to highly silty, occasional micropyrite, micromicaceous in part, non swelling, highly calcareous

MW:1.30sg

Mudstone: moderate brown, occasionally intergrown with medium to medium dark grey mudstone, firm to moderately hard, blocky to subplaty, commonly silty, common dispersed fine grain Quartz, rarely slightly hygroturgid, non sticky, very calcareous

Survey@ 3455.6mMD
2.68deg Incl, 175.1deg Az

DRAUPNE: 3465.0m MD
-3446.4mTVDSS

Mudstone: greyish black, dark-medium grey,becoming dark brown/grey, blocky to subplaty, firm to moderately hard, crumbly in part, occasional sub-angular break, becoming subfissile with depth, very silty, occasional loose coarse Quartz, non to slightly calcareous.

Possible unconformity (35/8-3 well)

Tr Limestone: yellow grey, pale olive, moderately hard, blocky, subangular, microxln, no show.

Mudstone: greyish black, dark brownish grey, highly silty, occasional dispersed loose quartz, trace light yellow direct flu on Qtz grain, pale yel to milky white streaming cut, no residue.

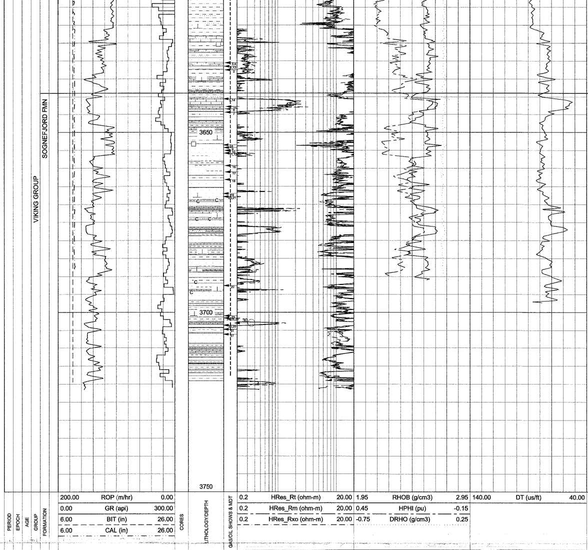
Sandstone: very fine to fine grained, firm to well indurate, local calcareous cement, occasional siliceous matrix, locally argillaceous, poor to good grain sphericity, poor visible porosity, dull to light yellow direct flu., pale yellow to yellow white blooming to diffuse cut flu. and residue, no visible stain.

Mudstone:dark grey brown, firm, commonly very silty, grading Siltstone, locally carbonaceous, trace to occasional very fine to fine grained quartz sand, trace to occasional pyrite, non to slightly calcareous.

HEATHER 3590.9mMD
-3572.2mTVDSS

Siltstone: medium to dark grey brown, firm, commonly grading to Mudstone, occasionally carbonaceous, trace to occasional pyrite, local carbonate laminae, slightly to moderately calcareous.

MW: 1.30sg



Limestone: off white to light grey, firm to hard, micxln, occasional clay streaks, locally common very fine to fine grained quartz sand, grading to Sandstone, nil to poor visible porosity.

SOGNEFJORD 3638.8mMD -3620.0mTVDSS

Limestone: off wh-lt grey,frm-hd, blky, loc f gn Qtz incl,micxln, pr vis por, sl. arg i/p

Sandstone: off white to light grey, loose to well cemented, fine to locally common medium, translucent quartz, subangular to subrounded, poorly to moderately sorted, poor to good sphericity, poorly to well calcareous cemented, poor visible porosity, poor shows, moderate to bright yellow, yellow white flu., very slow diffuse, occasionally streaming, generally faint white cut flu. and residue.

Sandstone: off wh-lt gy, clear, clrls com medium, grn,also fine to coarse, predominantly sub angular, sub elongate to sub spherical, poorly sorted, interlam with, and grdg i/p to Sltst, pred lse, also com weakly cemented with calc and sil cmt. pr vis por,tr patchy to spotty very bright pale yel dir, lt yel white slow bloom cut, even bright pale yel to white UV res, no vis residue.
Siltstone: grey black, medium dark grey, occ brown grey, amor-subplty, pred blky, mod frm, crmbly, sub vitr lstre, com v.fine grn sand laminae, non calc.

Tr **Limestone**: olive grn, hd, brit, ang, crypxln, mudstone, no show
Sandstone: off wh-lt gy, clear, clrls com cse grn,also med-v.cse, ang- subangular, subelongate to sub spherical, poorly sorted, common lignite, interlam with, and grdg i/p to Sltst, pred lse, also com weakly cemented with mod calc cmt. pr vis por, tr spotty to patchy bright to mod pale yel dir flu, very slow lt yel white bloom crush cut, v.pale yel UV res, no vis res.

DRILLERS TD 3719mMD

LITHOLOGICAL DESCRIPTIONS / REMARKS

Well: 35/8-4 **Tool: MDT** **Run no: 1A** **Date: 02/08/99**

No.	LWD DEPTH	Wireline DEPTH	MUD HYDROSTATIC before		FORMATION PRESSURE		MUD HYDROSTATIC after		PRE TEST MOBILITY		COMMENTS
	MD m BRT	MD m BRT	CQG psia	SG psia	CQG psia	SG psia	CQG psia	SG psia	mob. md/cp	mob. md/cp	
1	3631.5	3635.3	7051.7	7042.7							Dry
2	3631.6	3635.4	7053.6	7044.6							Dry
3	3631.2	3635.0	7051.8	7046.4							Dry
4	3631.4	3635.1	7052.3	7047.1							Dry
5	3640.5	3644.8	7071..3	7066.6							Dry
6	3643.5	3647.7	7076.4	7072.1							Dry
7	3643.7	3647.9	7076.7	7072.7							Dry
8	3653.5	3657.0	7095.3	7091.2							Dry
9	3654.0	3657.5	7095.6	7096.2	6532.7	6530.6	7095.3	7092.9			Tentative - Resumed building up.
10	3654.2	3657.7	7096.1	7093.2							Supercharging
11	3655.2	3658.7	7097.3	7094.6	6765.2	6763.3					Tentative - Resumed building up.
12	3655.2	3658.7	7095.5	7109.2							Upper probe - tendancy to supercharging.
	Wireline				RECORRELATE						
13	3631.5	3635.6	7049.5	7049.1							Dry - lower probe
14	3640.5	3644.5	7066.8	7065.7							Dry
15	3643.0	3647.0	7072.7	7007.1							
16	3659.3	3663.0	7104.2	7102.1	6511.7	6510.2	7103.3	7102.1	0.3		Good (Supercharged?)
17	3661.0	3665.1	7107.4	7105.6	6434.1	6432.4	7106.4	7105.7	0.2		Good ?
18	3663.2	3667.3	7111.5	7110.1							Dry
19	3667.0	3671.2	7118.4	7117.3							Dry
20	3667.3	3671.5	7118.8	7117.9							Dry
21	3667.6	3671.8	7118.7	7118.5							Dry
22	3692.5	3696.7	7167.6	7166.0							Dry
23	3701.0	3705.2	7183.8	7182.7	6179.5	6180.0					Good
24	3702.0	3706.2	7185.4	7184.9							Supercharged
25	3703.0	3702.2	7187.3		6151.7						Good attempted Sample. Human error, fail
26	3703.5	3707.7	7188.3								Supercharged
27	3706.0	3710.2	7192.6								Dry ???
28	3703.0	3707.2	7185.7	7186.2	6215.3	6218.9					Aborted whilst still building up
29	3703.3	3707.5	7186.1	7187.1							Abandoned
30	3703.0	3707.2	7184.0	7184.4							Try sample, no significant build-up,abandon
31	3704.0	3708.2	7184.7	7186.7							Slow build, sample taken, abandon after 10 minutes.