

ATTENTION: EPXV/2.
TANANGER

tilhører

L&U DOK. SENTER

L. NR. 200 88380004

KODE Well 31/2-5 nr 3

Returneres etter bruk

A/S NORSKE SHELL

CORE DES

Cored from 1511.7 to 1514.83 Recovered: 2.55

Formation: ? PMEOLENE. Date: 12/11/80 Described by:

Sheet: 1 of 1

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (w/ ACCESSORY MINERALS) | CMT | ESTI-MATED % | HYDROCARBON INDICATIONS | | | G _A % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|-----|------|-----|-----------------------------------|--------|-------------------------------------|-----|--------------|-------------------------|---------|---------|------------------|---|
| | | FINE | MED | CARB | CRS | | | | | | SMPL FLU | CUT COL | CUT FLU | | |
| 1511.7 | TOP CORE | | | | | ↑ | | | | | | | | | |
| 1512 | | | | | | Σ BT | | | | | | | | | |
| 1513 | | | | | | | | | | | | | | | |
| 1513.1 | | | | | | M S | | | | | | | | | |
| 1513.3 | | | | | | M S | | | | | | | | | |
| 1514 | | | | | | M | | | | | | | | | |
| 1514.25 | | | | | | | | | | | | | | | |
| 1514.83 | | | | | | | | | | | | | | | |

CTY - DK CTY, (LTGY) SPOTTED BLACK+BROWN

MMIC, SLT, MOD HD, (CALC) WAXY
TR PY MICROCONCRETIONS, CARB,
NON SWELL - CRYPTOFISS, OCC SUB-FISS

NO DIRECT FLUR, NO CUT, NO CUT FLUR (CHLOR)
MODERATE ACETONE CUT FLUR. - VE CHLORETHENE TEST.

LESS THAN 0.02% C₁

Bubbling
Seen on
Drill floor.

UND - ARKIVET

No. _____

ATTENTION: EPXV/2.
TANANGER

FROM EPXV/4.
WEST VENTURE.

| A/S NORSKE SHELL | | | Well: 31/2-5 | | Core No. # 1 | | | | | | | | | | |
|---|-------------------|------------|---------------|-----|------------------|-----------------------------------|--------|----------------------------------|-----|-------------|-------------------------|---------|---------|-------|--|
| CORE DESCRIPTION | | | | | | | | | | | | | | | |
| Cored from 1511.7 to 1514.83 Recovered: 2.55 m 81.9 % | | | Core size: 5" | | Corehead: C221FD | | | | | | | | | | |
| Formation: ? PMEocene. Date: 12/11/80 Described by: N.D. SHAW | | | Sheet: 1 of 1 | | | | | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; OIP; FRACTURES ETC.) |
| | | FINE | MED | COS | GRS | | | | | | SNAP FLU | CUT COL | CUT FLU | | |
| 1511.7 | TOP CORE | | | | | EBT | | | | | | | | | |
| 1512 | | | | | | | | | | | | | | | Bubbling seen on Drill floor. |
| 1513 | | | | | | | | | | | | | | | |
| 1513.1 | | | | | | | | | | | | | | | |
| 1513.3 | | | | | | | | | | | | | | | |
| 1514 | | | | | | | | | | | | | | | |
| 1514.25 | | | | | | | | | | | | | | | |
| 1514.83 | | | | | | | | | | | | | | | |

CTY - DK GY. (LTGY) SPOTTED BLACK+BROWN

MMIC. SLT, MOD HD. (CALC) WAXY.
TR. PY MICROCONCRETIONS, CARB.
NON SWELL - CRYPTOFISS, OCC SUB-FISS

NO DIRECT FLOUR. NO CUT, NO CUT FLOOR (CHLOR)
MODERATE ACETONE CUT FLOUR. -VE CHLORETHENE TEST.

LESS THAN 0.02% CA

UND - A/SVET
No:

255/10

ATTENTION EPXV/2
TANANGER

FROM EPXV/4
WEST VENTURE

A/S NORSKE SHELL Well: 31/2-5 Core No.# 2

CORE DESCRIPTION

Cored from 1514.83 to 1518.74 Recovered: 2.52 m 64 % Core size: 5"

Formation: ? Paleocene Date: 13/11/80 Described by: N.D SHAW Corehead: C20 Sheet: 1 of 1

Sent
14/11/80
0307

| DEPTH SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTI- MATED % S | HYDROCARBON INDICATIONS | | | G A S % % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|------------------|----------------------|------------|-----|-----|-----|--------------------------------------|--------|---|-----|--------------------------|----------------------------|------------|------------|-----------------------|---|
| | | FINE | MED | CRS | CRS | | | | | | SAMPL FLU | CUT COL | CUT FLU | | |
| 1515 | H | | | | | ↑ | LF 67 | | | | | | | | |
| 1516 | H | | | | | ↑ | GM 47 | | | | | | | | |
| 1517 | H | | | | | ↑ | LF 67 | | | | | | | | |
| 1518.74 | X | | | | | ↑ | | | | | | | | | |

LF 67
 GM 47
 LF 67

CN - DK GY, SPOTTED BLACK
 MMIC, (SLT) MOD HD. (CALC) - NON CALC.
 NOW SWEAL - CRYPTOFIS, CARB. TR PY.
 OCC SUB-FISSILE. WAXY

NO DIRECT FLUOR, NO CUT, NO CUT (CHLOR) FLUOR.
 WEAK - MODERATE ALESTONE CUT FLUOR.
 - VE CHLORETHENE TEST.
 LESS THAN 0.05% C1

To EPXV/2
TANANGER

FROM EPXV/4
W. V.

| A/S NORSKE SHELL | | | Well: 31/2-5 | | | Core No. # 4 | | | | | | | | |
|---------------------------|-------------------|------------|-------------------------------|-----|--|-------------------------|---|---|-------------------|---------------------------|---------------------------------------|-------------------------------|---|--|
| CORE DESCRIPTION | | | | | | | | | | | | | | |
| Cored from 1536 to 1539.5 | | | Recovered: 2 m 57 % | | | Core size: 5" | | | | | | | | |
| Formation: J.U. Sand | | | Date: 15 th /11/80 | | | Described by: N.D. SHAW | | | | | | | | |
| | | | | | | Corehead: C221 FD | | | | | | | | |
| | | | | | | Sheet: 2 of 2 | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (B ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OR BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | CRS | | | | | | SMPL FLU | CUT COL | CUT FLU | | |
| 1536 50 | | | | | Bedding. ↑ ↓ PY. SPARSLEY MICACEOUS THROUGHOUT. PYRITE | LT GY - (GY-GM)/BR | QU, CL-TRANSLUCENT, MSU-CRSL, SRP-(SFT), (MICA), (PY), ALSO PINK QU, + PYRITIC QUARTZ. OCCASSIONAL GRANULE. NON-CALC. | UNCONSOLIDATED - FRAGILE. TR KARLINITE CMT. | GOOD TO EXCELLENT | ZERO DIRECT FLUORESCENCE. | ZERO CUT, WEAK-MILKY CUT FLUOR. (HET) | +ve ACETONE, -ve CHLORETHENE. | MAX GAS 4 UNITS. 0.07% C ₁ , T, C ₂ . | GAS SMELL ON DRILLFLOOR. |
| 1537 | | | | | | | | | | | | | | |
| 1538 | | | | | | | | | | | | | | |
| 1539 | | | | | | | | | | | | | | |
| 1539.5 | | | | | | | | | | | | | | |

SENT BY MUFAX - OK.
14/11-80 AT 0730
JMS

UND - ARKIVET

Nr.: _____

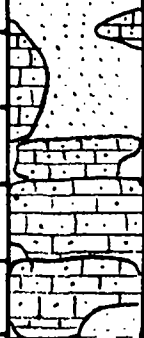






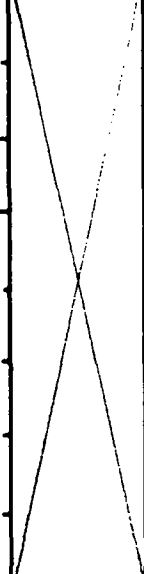
To EPXV/2
TANANGER

From EPXV/4
W.V

A/S NORSKE SHELL Well: 31/2-5 Core No. # 5

CORE DESCRIPTION

Cored from 1534.5 to 1542 Recovered: 0.92 m 37 % Core size: 5" / 9m Barrel
Formation: JU SAND FM Date: 15/16-11-80 Described by: N.D. SHAW Corehead: C221 FD
Sheet: of 1

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OR BLEED, DIPS, FRACTURES ETC.) |
|-----------------|---|------------|------|-----|-----|--|------------|--|---|--------------|---|--|---|---|--|
| | | FINE | FINE | MED | GRS | | | | | | SMP FLU | CUT COL | CUT FLU | | |
| 1534.5 | TOP CORE | | | | | TOP CORE | | | | | | | | | |
| 1540 |  | | | | | ≠  =  000 =   =   | LT GR - GR | Quartz - (srt), (ang), (sph), lithes, py. | (mic) earthy carbonate. CALCITE. HARD. | POOR TO NIL. | MODERATE PALE YELLOW: WEAK SLIGHTLY WEAKER. CHL - 2 ALETONE. 2. SLOW STAM GOOD ALETONE CUT FLUOR MOD-POOR CHLOR. CUT FLUOR | 0.06 % C ₁ WHEN CUTTING CORE. | 13 UNITS GTS BL. 0.2% C ₁ , 0.003% C ₂ . | FAINT PARAFIN SMELL STRONG GRAU SMELL. | |
| 1541 |  | | | | | | | | | | | | | | |
| 1542 | | | | | | | | | | | | | | | |

N.B.
Four calc sst doggers cut, but originally separated by 1se S. - washed during coning, the correct position unknown.

SENT BY MUFAX - OK
16/11-80 - 0730
JMB

A/S NORSKE SHELL

Well: 31/2-5

Core No. #6

CORE DESCRIPTION

Cored from 1542 to 1547 Recovered: 3.6 m 72 % Core size: 4"

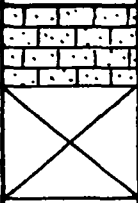
Formation: Jurassic sands Date: 21/11-80 Described by: NORVIK Corehead: C 22
Sheet: 1 of 1

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTI-MATED % | HYDROCARBON INDICATIONS | | | G _A S % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|-----|-----|-----|--|--------|---|--------|--------------|-------------------------|---------|---------|--------------------|---|
| | | FINE | MED | CRS | GRS | | | | | | SAMPL FLU | CUT COL | CUT FLU | | |
| 1542 | | | | | | S, qtz, clr occ inclusions, occ rose qtz, (slt), ± SU - crs SU, srt, ang - (rnd), (elong) - sph, lse | lt gy | (Mic) (big flakes) (Carb) (Py) | (Calc) | | fairly good | N | N | N | |
| 1543 | | | | | | Sst, qtz, clr occ inclusions, occ rose qtz, (slt), ± SU - crs SU, srt, ang - (rnd), (elong) - sph, fri | | | (Calc) | | | | | | HC smell in the whole core |
| 1544 | | | | | | | | | | | | | | | |
| 1545 | | | | | | | | | | | | | | | |

URGENT ATTN. EPXV/2

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. #7 | | | | | | | |
|-------------------------|-------------------|------------------------|-----|---|----------------|------------------------------------|----------------------|-------------|-------------------------|----------|---------|-------|---|
| CORE DESCRIPTION | | | | | | | | | | | | | |
| Cored from 1547 to 1555 | | Recovered: 6.65 m 83 % | | Core size: 4" | | Corehead: C 22 | | | | | | | |
| Formation: VM Jurassic | | Date: 22.11.80 | | Described by: NORVIK | | Sheet: 1 of 2 | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | | | | | | CRS | SMPL FLU | CUT COL | | |
| 1547 | | | | 1/3 st, gy. qtz, clt occ inclusions, occ rose qtz, f SL - crs SU, srt, ang. (rud), elong- sph, lse - fri | gy | Mic Py ((Carb)) | non calc | | N | N | N | | |
| 1548 | | | | | | | | | | | | | |
| 1549 | | | | f SL - mSL f SL - crs SU | | Mic (Carb) Py | (calc) | | | | | | |
| 1550 | | | | f SL - mSL occ crs | | | ((calc)) | | | | | | very weak milky white |
| 1551 | | | | 1/3 st, gy-dkgy, qtz dr, slt- mSL, (srt), lse - dr - hd | gy dkgy | Mic Carb | calc ((calc)) | | bad | Y | F | | moderately milky white |

UND-ARKIVET
 Nr.: 9
 HB

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | | Core No. # 8 | | | | | | | |
|-----------------------------|---|------------|-----|-----------------------|---|--------|-------------------------------------|------|------------------|-------------------------|-------------|-------------|--|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | |
| Cored from 1555.0 to 1555.5 | | | | Recovered: 0.2 m 40 % | | | Core size: 4" | | | | | | | |
| Formation: V/M Jurassic | | | | Date: 22.11.80 | | | Described by: NORVIK | | | Corehead: C 22 | | | | |
| | | | | | | | Sheet: 1 of 1 | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (w/ ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | CRS | | | | | | SAMPL FLU | CUT COL | CUT FLU | | |
| 1555 |  | | | | Calc sst, gy, grtz clr, occ inclusions, rose grtz and blue grtz, f SV-CRS SV, srt, ang-(rnd), elong-sph, cmt, calc, hd, Py Bivalve shells abundant | gy | Py | calc | P O O R | N N N | N N N | N N N | Core hammered out of catcher, no orientation possible. Very faint gas smell | |
| 1556 | | | | | | | | | | | | | | |

UPD-ARKIVET
 Nr.: 4
 HB

URGENT

ATTN: EPXV/2

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. # 9 | | | | | | | | | |
|-----------------------------|-------------------|---------------------|-----|----------------------|-----|---|--------|------------------------------------|-----------------|-------------|-------------------------|---------|---------|--|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | | |
| Cored from 1555.5 to 1565 m | | Recovered: 9 m 95 % | | Core size: 4" | | Corehead: C 20 | | | | | | | | | |
| Formation: V/M Jurassic | | Date: 23.11.80 | | Described by: NORVIK | | Sheet: 1 of 3 | | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | GRS | CRS | | | | | | SMPL FLU | CUT COL | CUT FLU | | |
| 1555 | | | | | | | | | | | | | | | |
| 1556 | | | | | | Calc sst, lt gy, qtz, clr oec inclusions & rose qtz, sst, crs SU, srl, ang- (ang), (elong)-sph, foss (bivalves) cmt, hd | lt gy | ((Mic)) Py | calc | Poor | dull yel | F - N | | Core interval, 1555.5 - 1562.2 m stuck in core barrel, in bad condition due to hammering and washing | |
| 1557 | | | | | | Sst, qtz, clr, oec inclusions, sst, sh, srl, ang- (ang), (elong)-sph, cons, fri | gy | Mic Carb | ((calc)) | | | | | | |
| 1558 | | | | | | Sst, qtz, clr oec inclusions & rose qtz, sst - crs SU, (srl), ang- (ang), (elong) (sph), (cons), fri | | (Mic) Carb | (calc) - (calc) | moderate | | | | | |
| 1559 | | | | | | | | | | moderate | | | | | |

No: 4
 HB

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. #10 | | | | | | | | | |
|--|-------------------|------------|------|--------------|-----|---|--------|--|--------------------------|-------------|-------------------------|-------------------|---------|------------------|---|
| CORE DESCRIPTION | | | | | | | | Cored from 1565 to 1573.35 Recovered: 8.35 m 100 % Core size: 4" | | | | | | | |
| Formation: VM Jurassic Date: 23.11.80 Described by: NORVIK | | | | | | | | Corehead: C 22 | | | | | | | |
| | | | | | | | | Sheet: 1 of 3 | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (w/ ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | FINE | MED | CRS | | | | | | SMP FLU | CUT COL | CUT FLU | | |
| 1565 | | | | | | Sst, qtz, clr occ inclusions, sst-fsl, srl, aug-(ang), (elong)-(sph), cons, fri | gy | Mic Carb | | | poor | weak white/yellow | T-N | good milky white | HC smell throughout whole core |
| 1566 | | | | | | Sst, qtz, clr occ inclusions & rose qtz, fsl-crs su, sst, aug-(rnd), elong-sph, cons, fri-mod lid-hd, very rich in fossils (bivalves) | | Mic Carb (Mic) (Carb) (Py) | non calc - (calc) - sabb | good | | | | | |
| 1567 | | | | | | fsl-crs SL | | | calc - non calc | poor | | | | | 1567, 2: Chloro: 1-2 Acet: 2 |
| 1568 | | | | | | fsl-crs SU | | | calc | moderate | | light yellow | T-N | good milky white | |
| 1569 | | | | | | fsl-crs SU | | | (calc) | good | | weak milky white | | | |

A/S NORSKE SHELL

Well: 31/2-5

Core No. # 10

CORE DESCRIPTION

Cored from 1565 to 1573.35 Recovered: 8.35 m 100 % Core size: 4"

Formation: V/M Jurassic Date: 23.11.80 Described by: NORVIK Corehead: C 22

Sheet: 2 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (w/ ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|----------------------|------------|-----|-----|-----|--|--------|-------------------------------------|--------------------|--------------------|-------------------------|---------|-----------------------|-------|--|
| | | FINE | MED | CRS | CFS | | | | | | SMPL FLU | CUT COL | CUT FLU | | |
| 1569 | [Stippled Lithology] | | | | | Sst, a. a. ↓ SL - <u>crs</u> SU ↓ SL - <u>crs</u> SU | gy | ((Mic)) ((Carb)) (Py) | calc | poor | weak white/yellow | N | | | |
| 1570 | [Stippled Lithology] | | | | | ↓ SU - <u>crs</u> SU | | | calc | poor | weak white | | very weak milky white | | |
| 1571 | [Stippled Lithology] | | | | | ↓ SU - <u>crs</u> SU | | | calc | good | milky white | | | | |
| 1572 | [Stippled Lithology] | | | | | ↓ SU - <u>crs</u> SU | | | calc | poor | milky white | | | | |
| 1573 | [Stippled Lithology] | | | | | | | | calc | good | | | | | |

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. # 12 | | | | | | | | |
|---|-------------------|------------|-----|------------------------------|--|---------------|----------------------------------|-----------------------------|-------------|-------------------------|---------|---|-------|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | |
| Cored from 1573,85 to 1589,5 m Recovered: 3,5 m 22 % | | | | Core size: 4" | | | | | | | | | | |
| Formation: U/M Jurassic Date: 25.11.80 Described by: NORVIK | | | | Corehead: C 20 Sheet: 1 of 1 | | | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | CRS | | | | | | SMP FLU | CUT COL | CUT FLU | | |
| 1574 | | | | | Sst, gy-ss-brn, qtz, clr occ inclusions, rose qtz & lithic frags, fSU - crs SU, sst, ang-grnd, (elong) - sph, (cons) - cons - cnt, lse - fri - hd, brn oil stain on grains | gy gy-brn | ((Mic)) | calc non calc ← ((calc)) | poor | YEL pale YEL | T-2 | streaming milky wh streaming YEL | | |
| 1575 | | | | | fSU - crs SU | | | | very good | YEL | | streaming YEL | | Chloro 3-4 Acet 4 Core probably slid out of barrel when pulling out for connectia Oil bleed Paraffinic smell |
| 1576 | | | | | fSU - crs SL | | | | | | | streaming brn - YEL ← | | |
| 1577 | | | | | | gy | | calc | poor | pale YEL brn - YEL | T-2 | streaming milky wh streaming brn - YEL ← | | Chloro 3 Acet 4 |

A/S NORSKE SHELL

Well: 31/a-5

Core No. #13

CORE DESCRIPTION

Cored from 1589.5 to 1590.5m Recovered: 0.1 m 10 % Core size: 4"

Formation: V/M Jurassic Date: 25.11.80 Described by: NORVIK Corehead: C22 Sheet: 1 of 1

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|------|------|------|-------|--|--------|----------------------------------|----------|-------------|-------------------------|---------|-----------|-------|--|
| | | 1/2 | 1/16 | 1/32 | 1/64 | 1/128 | | | | | | SMP FLU | CUT COL | CUT FLU | | |
| 1589 | | | | | | | <p>sst, qtz, clr occ inclusions, rose qtz & lithic frags, fSV-crs sl, sst, ang. (rad), (elong)-sph, (cons), (se-fr), brn oil stain</p> | brn/gy | ((Mic)) | non calc | very good | brn/yel | brn | streaming | | Core was in catcher, fell apart when pushed out strong oil smell |
| 1590 | | | | | | | | | | | | | | | | |
| 1591 | | | | | | | | | | | | | | | | |

Sheet 1120

A/S NORSKE SHELL

Well: 31/2-5

Core No. #14

CORE DESCRIPTION

Cored from 1590,5 to 1599,5 m Recovered: 9 m 100 % Core size: 4"

Formation: V/M Jurassic Date: 26.11.80 Described by: NDRVIK Corehead: C-18 Sheet: 1 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTIMATED S % | HYDROCARBON INDICATIONS | | | G _s % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|------|-----|---|-----------------------------------|-----------------------------------|-------------------------------------|-----------|---------------|-------------------------|------------------------|---------|--|---|
| | | FINE | FINE | MED | COARSE | | | | | | SIMPL FLU | CUT COL | CUT FLU | | |
| 1590 | | | | | | | | | | | | | | | |
| 1591 | | | | | Sst, qtz, clr occ inclusions, rose qtz & lithic frags, f50 - crs SL, srt, ang. (rnd), (elong) sph, (cons), lse. fr, oil stain, occ granules | brn/gy | ((Mic)) big flakes ((Carb)) | non calc - (calc) | very good | yellow | brown | streaming milky wh/yel | | 1591: Chl: 4-5 Acet: 4 The interval 1590,5 - 1596,6 was hammered out of core barrel, core broke up | |
| 1592 | | | | | | | | | | | | | | | |
| 1593 | | | | | | | | | | | | | | | |
| 1594 | | | | | | | | calc | | | | | | Shell fragm. better preserved than in the cores above (brachiopods?) | |

A/S NORSKE SHELL

Well: 31/2-5

Core No. # 14

CORE DESCRIPTION

Cored from 1590.5 to 1599.5 m Recovered: 9 m 100 % Core size: 4"

Formation: U/M Jurassic Date: 26.11.80 Described by: NORVIK Corehead: C-18 Sheet: 2 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|-----|-----|-----|-----------------------------------|--------|----------------------------------|-------------------|-------------|-------------------------|---------|----------------------------------|---------------------------------|---|
| | | FINE | MED | CRS | GRS | | | | | | SAMPL FLU | CUT COL | CUT FLU | | |
| 1594 | | | | | | Sst, a.a. | bm/gy | ((Mic)) ((Carb)) | calc | very good | yellow | brown | | Oil bleed throughout whole core | |
| 1595 | | | | | | ± SU - crs SU | | | calc | | | | streaming milky white/yellow | | |
| 1596 | | | | | | | | | calc | | | | | | |
| 1597 | | | | | | | | | non calc - (calc) | | | | | | 100% fluorescence all through core |
| 1598 | | | | | | | | | | | | | -1597.85: Cnl: 4-5 Accl: 4 | | |

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. #15 | | | | | | | | | |
|--------------------------------|-------------------|-----------------------|-----|-----------------------------|-----|---|----------|------------------------------------|--------|--------------|-------------------------|---------|---------|-------------------------|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | | |
| Cored from 1599.5 to 1604 m | | Recovered: 4.5 m | | 100 % | | Core size: 4" | | | | | | | | | |
| Formation: <u>Y/M Jurassic</u> | | Date: <u>26.11.80</u> | | Described by: <u>NORVIK</u> | | Corehead: <u>C-18</u> | | | | | | | | | |
| | | | | | | Sheet: <u>1</u> of <u>2</u> | | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTI-MATED % | HYDROCARBON INDICATIONS | | | G _A S % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | GRS | CRS | | | | | | SMPL FLU | CUT COL | CUT FLU | | |
| 1599 | | | | | | | | | | | | | | | |
| 1600 | | | | | | Sst, grtz, clc occ inclusions, rose grtz & lithic frags, sst-crssl, ang-(rnd), elong-(sph), srt, cons, fri, oil stain | brn/gy | (Mic) Carb | (calc) | very good | yellow | brown | | 1599.85: chl: 3 acet: 4 | |
| 1601 | | | | | | Sst, a.a., sst-crssl, (srt), arg | | Mic Carb | | poor | | | | 100% fluorescence | |
| 1602 | | | | | | Sst, a.a., sst-crssl, srt | | (Mic) Carb | calc | fairly good | | | | 100-80% fluorescence | |
| 1603 | | | | | | | (brn)/gy | | (calc) | | | | | | |

Streaming milky white/yellow

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | | Core No. # 15 | | | | | | | | |
|--------------------------------|-------------------|-----------------------|------|-----------------------------|-----|---|-----------------------------|---|--------|-------------|-------------------------|---------|-------------------------|---|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | | |
| Cored from 1599.5 to 1604 m | | Recovered: 4.5 m | | 100 % | | Core size: 4" | | Corehead: C-18 | | | | | | | |
| Formation: <u>V/M Jurassic</u> | | Date: <u>26.11.80</u> | | Described by: <u>NORVIK</u> | | Sheet: 2 | | of 2 | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | FINE | MED | CRS | | | | | | SAMPL FLU | CUT COL | CUT FLU | | |
| 1603 | | | | | | Sst, a. a. | gy ↓ gy ↓ dk gy | (Mic) <u>Carb</u> ↓ Mic <u>Carb</u> | (Calc) | fairly good | yellow | brown | Streaming milky whi/yel | < 50% fluorescence - 1603.6 m: chl: 2 acet: 4 | |
| 1604 | | | | | | Ssl, grtz, clt, silt-fsu, (srt), ang-(ang), (elong)- (sph), cmt, kd | | | | poor | | | | | |

URGENT ATTN. EPXU/2

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. #16 | | | | | | | | | |
|--------------------------|-------------------|-------------------|------|----------------------|-----|---|--------|------------------------------------|-------------------|-------------|-------------------------|---------|------------------------|-------------------------------|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | | |
| Cored from 1604 to 1613m | | Recovered: 7.85 m | | 87 % | | Core size: 4" | | | | | | | | | |
| Formation: U/M Jurassic | | Date: 27.11.80 | | Described by: NDRVIK | | Corehead: C-20 | | | | | | | | | |
| | | | | | | Sheet: 1 of 2 | | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (& ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED, DIPS, FRACTURES ETC.) |
| | | FINE | FINE | MED | CRS | | | | | | SMP FLU | CUT COL | CUT FLU | | |
| 1604 | | | | | | Sst, qtz, silt - (silt, grt), ang - (ang), (elong - sph), cmt, hd | dkgy | Mic Carb | calc | poor | weak yel | brn | weak | | 1604.55 chl: 2-3 Acet: 4 |
| 1605 | | | | | | Sst, qtz, clc occ inclusions, rose qtz & lithic frags, silt - msu occ cns, set, ang - (rnd), elong sph, cns, fri, brn oil stain | gy | ((Mic)) ((Carb)) | non calc - (calc) | good | weak yel - yel | brn | streaming milky wh/yel | | Variations in intensity of direct fluorescence all through core |
| 1606 | | | | | | | brn/gy | | | | | | | | |
| 1607 | | | | | | Sst, qtz, silt - fsu, occ msu, (srt), ang - (ang), (elong - sph), cns, fri | gy | Mic Carb Mic Carb | calc | poor | | | | 1607.2 chl: 2-3 Acet: 4 | |
| 1608 | | | | | | Sst, qtz, clc occ inclusions, rose qtz & lithic frags, (silt), fsil - cns SU, set, ang - (rnd), elong - sph, cmt, hd | | ((Mic)) ((Carb)) | calc | | | | | | |

| A/S NORSKE SHELL | | | | Well: 31/2-5 | | Core No. #16 | | | | | | | | | |
|--|-------------------|------------|-----|---------------------------------|-----|-----------------------------------|-------------|----------------------------------|--------------------|-------------|-------------------------|---------|---------|-------|---|
| CORE DESCRIPTION | | | | | | | | | | | | | | | |
| Cored from 1604 to 1613 m Recovered: 7.85 m 87 % | | | | Core size: 4" | | | | | | | | | | | |
| Formation: U/M Jurassic Date: 27.11.80 Described by: O. NORVIK | | | | Corehead: C-20 Sheet: 2 of 2 | | | | | | | | | | | |
| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
| | | FINE | MED | COAR | CHB | | | | | | SMP FLU | CUT COL | CUT FLU | | |
| 1608 | | | | | | (=) Sst, a.a., occ ccs/gran | gy br/gy | ((Mic)) ((Carb)) | calc Good - por | par | 30 | 5% | | | |
| 1609 | | | | | | ≠ | | | | | | | | | |
| 1610 | | | | | | | | | | | | | | | |
| 1611 | | | | | | | | | | | | | | | |
| 1612 | | | | | | | | | | | | | | | |

-1609,6:
chl: 3
accl: 4

-1611,7:
chl: 3
accl: 4

streaming milky wh/yel

A/S NORSKE SHELL

Well: 31/2-5

Core No. #17

CORE DESCRIPTION

Cored from 1613 to 1616m Recovered: 2.35 m 78 % Core size: 4"
 Formation: U/M Jurassic Date: 27.11.80 Described by: O. NORVIK Corehead: C-18
 Sheet: 1 of 1

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (% ACCESSORY MINERALS) | CMT | ESTIMATED S % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED, DIP, FRACTURES ETC.) |
|-----------------|-------------------|------------|-----|--------|-------|--|--------|------------------------------------|-------------------|---------------|-------------------------|---------|---------|-------|--|
| | | FINE | MED | COARSE | GRASS | | | | | | IMP FLU | CUT COL | CUT FLU | | |
| 1613 | [Dotted pattern] | | | | | Sst, qtz, clr occ inclusions & lithic frags. fst. crss, srt, ang. (rnd), elong. sph, cons, brn oil stain | gy | ((Mic)) ((Carb)) | non calc - (calc) | | good | | | | |
| 1614 | [Dotted pattern] | | | | | lamina of cist, sst, dk gy, smelly, non fluorescence | dk | (Mic) Carb | calc | | poor | | | | strong sickening smell |
| | [Dotted pattern] | | | | | Sltst/sst, qtz, clr, ang, srt-m.su, srt, ang. (ang), (elong) - (sph), cons, srt, dk gy, blk spots/lam-smelly | gy | Mic Carb | | | poor | | | | |
| 1615 | [Dotted pattern] | | | | | Sst, a.a. | brn/gy | (Mic) Carb | calc | | fairly good | | | | |
| | [Dotted pattern] | | | | | Sltst/sst, a.a. | dk gy | Mic Carb | | | poor | | | | |
| 1616 | [Crossed out] | | | | | | | | | | | | | | |

streaming milky wh/yl

strong sickening smell

A/S NORSKE SHELL

Well: 31/2-5

Core No. #18

CORE DESCRIPTION

Cored from 1616 to 1625 m Recovered: 9 m 100 % Core size: 4"
 Formation: V/M Jurassic Date: 27.11.80 Described by: O. NORVIK Corehead: C-20
 Sheet: 2 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|------|-----|--------|-----------------------------------|--------|----------------------------------|---------------|-------------|-------------------------|---------|----------------|-------|---|
| | | FINE | FINE | MED | COARSE | | | | | | SMPL FLU | CUT COL | CUT FLU | | |
| 1620 | | | | | | sltst/sst, a.a | dk gy | Mic Carb | (calc) - calc | | weate yel | N | weate milky wh | | |
| 1621 | | | | | | | | | | | | | | | |
| 1622 | | | | | | | | | POOR | | | | | | |
| 1623 | | | | | | | | | | | | | | | |
| 1624 | | | | | | | | calc | | | | | | | |

A/S NORSKE SHELL

Well: 31/2-5

Core No. #19

CORE DESCRIPTION

Cored from 1625 to 1634m. Recovered: 8.4 m 93 % Core size: 4"
 Formation: V/M Jurassic Date: 27.11.80 Described by: O. NORVIK Corehead: C-20
 Sheet: 2 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED, DIPS, FRACTURES ETC.) |
|-----------------|-------------------|------------|----------|------|------|-----------------------------------|--------|----------------------------------|------|-------------|-------------------------|---------|---------|-------|---|
| | | FINE | FINE MED | COAR | COAR | | | | | | FLU | CUT COL | CUT FLU | | |
| 1629 | [Dotted pattern] | | | | | sltst/sst, a.a. | dk gy | Mic Carb | | | | | | | |
| 1630 | [Dotted pattern] | | | | | | | | calc | | | | | | |
| 1631 | [Blocky pattern] | | | | | | | | calc | | | | | | |
| 1632 | [Dotted pattern] | | | | | | | | calc | | | | | | |
| 1633 | [Dotted pattern] | | | | | | | | calc | | | | | | |

weak gel
F-N
weak milky wh

calc

calc

calc

calc

poor

calc

CORE DESCRIPTION

Cored from 1634 to 1643 m Recovered: 8.88 m 99 % Core size: 4"
 Formation: U/M Jurassic Date: 28.11.80 Described by: D. NORVIK Corehead: C-20
 Sheet: 2 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATE % | HYDROCARBON INDICATIONS | | | REMARKS (OIL BLEED, DIPS, FRACTURES ETC.) |
|-----------------|-------------------|------------|--------|--------|-------------|--------------------------------------|----------|----------------------------------|-----|------------|-------------------------|--------------|-------------------|---|
| | | FINE | MEDIUM | COURSE | VERY COARSE | | | | | | IMP. FLU | CUT COL | CUT FLU | |
| 1638 | T | | | | | Siltst/sst, a.a. mm-scale bioturb | dk gy | Mic Carb | | | | weake T-N | weake milky wh | Approx. 20% fluorescence |
| 1639 | D | | | | | | | | | | | | | |
| 1640 | | | | | | | | | | poor | | | | |
| 1641 | | | | | | | | | | | | | | |
| 1642 | | | | | | | | | | | | | | |

W145: chl 1-2 act: 2

< 1% fluoresc.

A/S NORSKE SHELL

Well: 31/2-5

Core No. # 20

CORE DESCRIPTION

Cored from 1634 to 1643 m Recovered: 8.88 m 99 % Core size: 4"
 Formation: U/M Jurassic Date: 28.11.80 Described by: O. NORVIK Corehead: C-20
 Sheet: 3 of 3

| DEPTH & SAMPLES | GRAPHIC LITHOLOGY | GRAIN SIZE | | | SEDIMENTARY STRUCTURES & FEATURES | COLOUR | COMPOSITION (ACCESSORY MINERALS) | CMT | ESTIMATED % | HYDROCARBON INDICATIONS | | | GAS % | REMARKS (OIL BLEED; DIPS; FRACTURES ETC.) |
|-----------------|-------------------|------------|--------|--------|------------------------------------|--------|----------------------------------|-----------------|-------------|-------------------------|---------|--------------------|---------------------------|---|
| | | FINE | MEDIUM | COARSE | | | | | | IMP FLU | CUT COL | CUT FLU | | |
| 1642 | | | | | Silt/sst, a.a. mm-scale bioturb | dk gy | Mic Carb | (Calc) - (Calc) | poor | very weak / zero | N | very weak milky wh | less than 1% fluorescence | |
| 1643 | | | | | | | | | | | | | | |

1642.88 m: chl: 0
acet: 1-2

A/S NORSKE SHELL

SIDEWALL SAMPLE REPORT

Well 31/2-5
 Fired 54
 Misfired 8
 Lost 6
 Paid 46

Date 02/03 -12-80

UND — ARKIVET

Nr.: _____

Schlumberger Engineer BLEWKINSOP/TAMM/BOWEN.
 Petroleum Engineer SHAW.
 GEOLOGIST

| Depth | RECOVERY (mm) | | | Paid for | Depth | RECOVERY (mm) | | | Paid for | Depth | RECOVERY (mm) | | | Paid for |
|------------|---------------|-----|-------|----------|--------|---------------|-----|-----|----------|-------|---------------|-----|-----|----------|
| | Gun | Gun | Gun | | | Gun | Gun | Gun | | | Gun | Gun | Gun | |
| 1 1749.5 | | | | ✓ | 1678.5 | ✓ | | 34 | ✓ | | | | | |
| 2 1746.7 | | | | ✓ | 1677.5 | | | 35 | ✓ | | | | | |
| 3 1742.5 | | | | ✓ | 1668.5 | | | 36 | ✓ | | | | | |
| 4 1789.0 | | | | ✓ | 1664.8 | | | 37 | ✓ | | | | | |
| 5 1787.0 | | | | ✓ | 1662.5 | MISFIRE | | 38 | ✓ | | | | | |
| 6 1785.0 | | | | ✓ | 1659.5 | | | 39 | ✓ | | | | | |
| 7 1783.0 | | | | ✓ | 1657.3 | | | 40 | ✓ | | | | | |
| 8 1782.0 | | | | ✓ | 1654.0 | MISFIRE | | 41 | | | | | | |
| 9 1778.2 | LOST | IN | HOLE | | 1590.0 | | | 42 | ✓ | | | | | |
| 10 1772.3 | .. | .. | .. | | 1587.5 | | | 43 | ✓ | | | | | |
| 11 1766.0 | | | | ✓ | 1585.0 | MISFIRE | | 44 | | | | | | |
| 12 1760.5 | | | | ✓ | 1582.5 | | | 45 | ✓ | | | | | |
| 13 1756.5 | | | | ✓ | 1580.0 | | | 46 | ✓ | | | | | |
| 14 1754.5 | | | | ✓ | 1578.0 | MISFIRE | | 47 | | | | | | |
| 15 1750.0 | | | | ✓ | 1535.5 | | | 48 | ✓ | | | | | |
| 16 1747.5 | | | | ✓ | 1534.5 | | | 49 | ✓ | | | | | |
| 17 1744 | LOST | IN | HOLE. | | 1533.5 | MISFIRE. | | 50 | | | | | | |
| 18 1735.5 | | | | ✓ | 1532.5 | | | 51 | ✓ | | | | | |
| 19 1730.3 | | | | ✓ | 1531.0 | LOST IN HOLE. | 52 | | | | | | | |
| 20 1727.52 | | | | ✓ | 1533.5 | MISFIRE | | 53 | | | | | | |
| 21 1725.0 | LOST | IN | HOLE | | 1533.5 | | | 54 | ✓ | | | | | |
| 22 1721.0 | | | | ✓ | 1499.5 | | | 55 | ✓ | | | | | |
| 23 1718.5 | | | | ✓ | 1497.0 | MISFIRE | | 56 | | | | | | |
| 24 1713.0 | | | | ✓ | 1497.0 | | | 57 | ✓ | | | | | |
| 25 1706.0 | | | | ✓ | 1487.5 | | | 58 | ✓ | | | | | |
| 26 1703.5 | | | | ✓ | 1486.0 | MISFIRE | | 59 | | | | | | |
| 27 1698.6 | | | | ✓ | 1486.0 | | | 60 | ✓ | | | | | |
| 28 1696.5 | | | | ✓ | | | | | | | | | | |
| 29 1695.5 | | | | ✓ | | | | | | | | | | |
| 30 1693.5 | | | | ✓ | | | | | | | | | | |
| 31 1692.5 | | | | ✓ | | | | | | | | | | |
| 32 1687.5 | LOST | IN | HOLE | | | | | | | | | | | |
| 33 1684.5 | | | | ✓ | | | | | | | | | | |

W. PR

A/S. NORSKE SHELL

UND - ANKIVET

SIDEWALL SAMPLE DESCRIPTION

FIELD NO.

WELL NO. 31/2-5.

DEPTH OF HOLE:

1812.0 m.

DATE TAKEN

02/03-12-80

PAGE NO. 1/

| DEPTH | RECOVERY | | LITHOLOGY | SAMPLE FLUORESCENCE | COLOUR OF CUT | CUT FLUORESCENCE |
|---------|----------|----|--|---------------------|---------------|------------------|
| | m | in | | | | |
| 1486.0 | 56 | | CLST, LT GY - (DK GY), HYGROTURGID, (CALC), MMIC, (MOD HD - SOFT) PLASTIC, BLDCKY. TR SLT. | - | - | ✓ |
| 1487.5 | 33 | | CLST LT GY - (LTBR), HYGROTURGID, (CALC) MMIC, (HD) - SFT. + FRAGMENTS OF LT BR, POL/LM MDSI. + SIDERITIC? COLITHS/PELLOIDS. HD, CONTRMINATION? CLST GN/GY, HYGROCLASTIC - (HYGROTURGID) (CALC) MMIC, PATCHES OF GY CLST, TRACE QTZ, PIK FSU. | - | - | ✓ |
| 1494.5. | 52 | | CLST GY - LT GY, HYGROTURGID, NON-CALC, SFT. (HD), WAXY (MMIC) PATCH SLT, CALC, ORNG, + CALCITE TRALS. | - | - | |
| 1532.5 | 55 | | CLST, DK GY - BLK/DK BR, MMIC HYGROTURGID, CALC, PYRITE MICROCONCRETION, MMIC, (HD) WAXY. | - | - | ✓ |
| 1533.5. | 10 | | LMDST (MGRD), WH - (PL GY/EN) LIME MUDSTONE, CHALKY (ARG) HYGROTURGID, GR BUC, TR QTZ. SLT. | - | - | ✓ |
| 1534.5. | 20 | | LMDST + MARL. PL GN/GY. WITH PHYLES GLAUC LIME MUDSTONE, CHALKY. (HD) TR QTZ. SLT. | - | - | ✓ |
| 1535.5 | 28. | | SST - (SST) LT GY, FSU, ((SRT)), AVG - (ANG), (SPH) NON-CALC, PY MK, ARG CMT. | | | |

A/S. NORSKE SHELL

SIDEWALL SAMPLE DESCRIPTION

FIELD : WELL No. 31/2-5 DEPTH OF HOLE: 1812 DATE TAKEN 6/03-12-80. PAGE No. 2/

| DEPTH | RECOVERY | | LITHOLOGY | SAMPLE FLUORESCENCE | COLOUR OF CUT | CUT FLUORESCENCE |
|--------|----------|----|---|---------------------|------------------------------|-----------------------------------|
| | m | in | | | | |
| 1580.0 | 40 | | SST, GR-BR, QU+LITHIC FRACS, MSU-FSL (SRT), (ANG), (SPH), FRIA-LSE, (CARB), MIC, PY, TR KROL CMT. | BRIGHT PRAE YELL | PL. YELL / VERY WEAK TER. | INSTANT. STRENGTH MILKY WHITE. |
| 1582.5 | 39. | | SST: A A. OIL STAINED. TR ROSE QRTZ | AA | AA | AA. |
| 1582.5 | 40 | | SST MD BR (OIL STAIN) QU+LITHIC FRACS, TR ROSE QU, MSU, SRT, FRI-LSE, NON CALC (TR MIC, PY) | AA | AA | AA. |
| 1590 | 50 | | SST BR. (OIL STAINED) QU+LITHIC FRACS, ROSE QU, MSU, SRT, (ANG) (SPH) (FELDSP), FRI-LSE, NON CALC, PY. TRACE GRANULE. | AA | AA | AA. |
| 1597.3 | 51 | | SST (SLSST) DKGY, FSL-FSL, TRMSU, (SRT) CONS. (HD), PRLT - KROL CMT, MIC, PY, (HYGROTURGID), CRIMINITE, | — | — | — |
| 1599.5 | 40. | | SST, TR QU FSL, CONS. (HD), HYGROTURGID, MIC, ARLT CMT. TR PY, | — | — | — |
| 1664.2 | 40. | | SLSST. (MICAEOUS SLSST). DKGY/BR, HYGROTURGID, MIC, BIBLASTIC CALCITE, TR QU FSL. PY. | — | — | — |
| 1668.5 | 46. | | SLSST (CLST) A A. | — | — | — |
| 1677 | 45. | | SLSST PA NON-SWELL NON-SWELL, CALC SST, HD, WH, CLAW, MIL. | — | — | — |

A/S. NORSKE SHELL

SIDEWALL SAMPLE DESCRIPTION

FIELD : WELL No. 3/2-5

DEPTH OF HOLE: 1912

DATE TAKEN 03/04-12-80

PAGE No 3/

| DEPTH | RECOVERY | | LITHOLOGY | SAMPLE FLUORESCENCE | COLOUR OF CUT | CUT FLUORESCENCE |
|--------|----------|----|---|---------------------|---------------|------------------|
| | m | in | | | | |
| 1679.5 | 43. | | SILT CLST-MICACEOUS SLST; DKGY-BR. HYDRATURGD SUBFIS. (HD). NON-CALC. MMIC | — | — | — |
| 1694.5 | 45 | | SLST (CLST) OLIVE GY/GY-(BR). HYDRATURGD, SUBFIS. (HD) NON-CALC, MMIC, | — | | |
| 1692.5 | 47 | | A. A. | — | | |
| 1693.5 | 40. | | SST. GY-GN, QU, CLR-TRANS, PINK, LITHIC FRACS, MSLS, SRT (ANG) (SPH) CLR-ANG, NOD PYR, KAROL CMT | — | | |
| 1695.5 | 22 | | SST ^g FSU, SRT, HD, ANG (SPH), GLAUC, CALC CMT, (HD)-(HD). KAROL CMT, MIC. | — | | |
| 1696.5 | 41 | | SST, GY-DKGY, QU, FSU-ESL, (SLT), MMIC, SRT, HD, (CALC) | | | |
| 1698.6 | 20. | | CALC SST, LT GY, MSLS, SRT, GLAUC, (MOD HD), TR KAROL CMT. | | | |
| 1703.5 | 36 | | SST, LT GY, QU, MSLS, (SRT), HD, CMT KAROL, PY, TR GLAUC MIC. (CMT). | | | |
| 1706.0 | 54. | | SST-SLST, DKGY, FSU, SRT, MIC, TR GLAUC, CONS, (HD). PY, KAROL CMT. | | | |
| 1714. | 41 | | SST, (SLT). AA. LAMINATED. | | | |
| 1714.5 | 56. | | AA. | | | |
| 1721 | 45 | | AA. | | | |
| 1727.5 | 15. | | CALC SST, KAROL, FSU-MSLS, SRT, CALC CMT, KAROL CMT KAROL, MIC. | | | |

A/S NORSKE SHELL

SIDEWALL SAMPLE DESCRIPTION

FIELD : WELL No. 3/2-5 DEPTH OF HOLE: 1812 DATE TAKEN 03/04-12-80 PAGE No. 4.

| DEPTH | RECOVERY | LITHOLOGY | SAMPLE FLUORESCENCE | COLOUR OF CUT | CUT FLUORESCENCE |
|--------|----------|--|---------------------|---------------|------------------|
| | m in | | | | |
| 1730.5 | 30. | SST-SLT, DK GY, QU, FSL, SFT, CONS. (HD), MIC. (CALC) | | | |
| 1735.5 | 50. | " | | | |
| 1747.5 | 52. | " | | | |
| 1750.0 | 42. | ^{LIGHT} SST, QU, CIR, TRANS, MSL-FSU, SBT, FRI-LSE, KAROL CMT. (CALC) | | | |
| 1754.5 | 45 | SST (SLT) DK GY FSL, SFT, CONS, MIC, CARB. (HD) LAM | | | |
| 1756.5 | 41 | AA | | | |
| 1760.5 | 28. | ^{LIGHT} SST, QU, CIR, TRANS, MSL-FSU, SFT, FLY, KAROL CMT LAM → MIC RICH. | | | |
| 1766.5 | 40. | AA. | | | |
| 1782.0 | 39. | SLT, DK GY, TR FSU, QU, MIC, (CALC), CARB, (SFT), KAROL CMT. ARG. (HD) | | | |
| 1783.0 | 35. | AA. | | | |
| 1785.5 | 40. | MICACEOUS SLT, AA. | | | |
| 1787.0 | 42. | " " CARBONACEOUS + WOOD FRAGMENT | | | |
| 1789.0 | 40. | " " (SFT). | | | |
| 1792.5 | 48. | SST (SLT) GY BK DK GY, FSU, SFT, MIC, CONS. (HD), CARB, PY, (CALC). | | | |
| 1796.7 | 49. | " | | | |
| 1799.5 | 35. | " | | | |

west venture
telex ref no 091180/2686

from west venture eppo/2, eppd/2, ep xv/4/5
urgent to: norske shell tananger ep xv/1, eppo, eppo/1, (eppd,
eppd/1, ep x, ep xt/13, eppp, eppp/1/12/4, ep v)

sidewall sampling: 31/2-5 07.11.80.

=====

a) summary:

shot 29
misfire 1
lost 7
paid 22

sample depths not recovered.

1089.2 lost
1121.5 misfire
1228.5 lost
1287.8 ''
1314.5 ''
1404.2 ''
1424.4 ''
1455.5 ''

b) sample description:

1040 53 clst, gy-med brn, hygroturgid, clc, mmic, tr glauc,
(spotted gn)
1073 53 clst, med brn, a a, tr foram, (slt).
1107 52 clst, lt brn-laminated wh, hydroclastic, non-calc,
mmic, glauc.
1132.5 44 clst, lt green-green/grey, hygroturgid, non calc,
waxy, (mmic), mod hard-soft.
1160 52 clst, a a.
1177.4 58 ccst, green-dull olivegreen/grey, a a.
1212.0 51 ccst a a.
1247.4 53 clst, green-ltgreen, hygroturgid, mod hard, non-calc,
waxy, pyritic concretion, tr silt.
1263.5 52 clst, brown, hygroturgid, non-calc, mmic, occ white
spots, tr (slt)
1273.5 53 clst, a a.
1305.2 52 clst, lt br-beige, a a.
1329.0 49 clst, lt grey, calc-marly, hygroturgid, pyritic,
(mmic) mod hard,
1344.8 47 clst, brown, hydroclastic, mod hard, mmic, (calc
+++1356+50+50
1356.6 50 clst, brown-greybrown, weakly hygroturgid, mmic, silty,
non calc.
1364.0 45 clst, medium br, calc, poorsweller, (hydroclastic)-mod
hard, akcly laminated, tr silt.
1375.8 51 clst/sltst (two part sample). inter layered. green-
(brown) calc, hygroturgid, mmic (hd).
1388.8 52 clst, drgrey-br+pnk, mmic, (calc). colour changes with
acid to green, mod hard.
1399.4 49 clst dark grey with white sltst band, non-calc, non-swell.
mod hard, mmic.
1411.7 53 clst, dark grey, non swell, sub fissile, mod hard, mmic, tr
slt.
1435.2 44 clst, lt green with lenses of brown clst-py, non-calc,
mhard, splintery, non-swell.
1447.0 53 clst, tl green, hydroclastic, laminated, (calc).
1462.0 52 clst, green half+grey-dark, -colour change along
specimen, non-swelling, grey-slt, calc, green non-calc,
waxy, mod hard.