

1-16-43W

FEB 8 1984
Pi
State Geological Survey
WICHITA BRANCH

TXO Prod Corp. *John - KGS*

EDSALL "F"-2
NE SW NW SEC. 1
T16S R43W
GREELEY COUNTY
KANSAS

RECEIVED
STATE CORPORATION COMMISSION

JAN 26 1984

CONSERVATION DIVISION
Wichita, Kansas

RICHARD E. BACON
GEOLOGIST

SUMMARY

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1-165-43w
Edsall 2'F'

THE EDSALL "F" -2 WAS DRILLED TO A DEPTH OF 5500' SUBSEA OF -1584'. THE ZONE OF PRIMARY INTEREST WAS THE LOWER MORROW SAND A PROLIFIC PRODUCER A MILE SOUTH IN THE STOCKHOLM FIELD.

A THIN ZONE OF MORROW SAND CAME IN AT 5102' WITH A THICKNESS OF FOUR FEET DEVOID OF ANY SAMPLE SHOWS. LOG CALCULATIONS SHOWED A POROSITY OF 12% AND A WATER SATURATION OF 80%. IT WAS DECIDED AFTER DRILLING THROUGHT THE SAND TO GO DEEPER. THE OBJECTIVE BEING A SPERGEN FORMATION BEARING HYDROCARBONS.

A SLIGHT SHOW AT SAMPLE 5340-5350 DISPLAYED A TRACE OF EVEN BRIGHT YELLOW-GREEN FLUORESCENCE, A VERY FAINT PALE YELLOW STREAMING LEAVING A PALE YELLOW-GREEN RING, THE ROCK WAS A DENSE, CRYPTOXLN LIMESTONE. LOGS SHOWED A SLIGHT POROSITY KICK BUT TOO MINIMAL FOR THIS FORMATION.

HENCE, THE WELL WAS PLUGGED AND ABANDONED ACCORDING TO STATE REGULATIONS.

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RESUME

OPERATOR: TXO PRODUCTION CORP.

WELL NAME & LOCATION: EDSALL "F"-2 NE SW NW SEC. 1 T16S R43W

COUNTY: GREELEY

STATE: KANSAS

SPUD DATE: JANUARY 9, 1984

COMPLETION DATE (TD): JANUARY 18, 1984

ELEVATIONS: GL 3911' KB 3921'

TOTAL DEPTHS: DRILLER 5500' LOGGER 5498'

CONTRACTOR: J.W. GIBSON RIG #93

GEOLOGIST: RICHARD E. BACON

TOOL PUSHER: DALE CARBERRY

MUD COMPANY: SERVICE MUD

TYPE DRILLING MUD: CHEMICAL GEL ENGINEER LLOYD WELLS

HOLE SIZES: SURFACE-450' 12 1/4" 450'-TD 7 7/8"

CASING: 11 JOINTS 8 5/8" 24# K-55 SET AT 456.48' CEMENT WITH
285 SACKS CLASS c 3% CaCl₂

CORES: NONE

DST: NONE

ELECTRIC LOGS: GEARHART PAUL KRUMM ENGINEER
DIL-GR SP TD-451'
CD/CD GR TD-3000' DIPMETER TD-4800'

BOTTOM FORMATION: WARSAW

WELL STATUS: PLUGGED AND ABANDONED

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Edsall F-2

WELL CHRONOLOGY

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DATE	7:00am DEPTH	ACTIVITY
1-9-84	-	SPUD AT 4:30pm TRIP OUT TO RUN CASING DEVIATION 1/2 °
1-10-84	460'	RUN 11 JOINTS 8 5/8" 24# K-55 SET AT 456.48' CEMENT WITH 285 SACKS CLASS C 3% CaCl ₂ PLUG DOWN 2:00am TRIP OUT AT 8:15PM DEVIATION 1 1/4 °
1-11-84	2045	DRILLING
1-12-84	3205'	DRILLING
1-13-84	3825'	HOLE IN PIPE PULL OUT OF HOLE AT 4067' ON BOTTOM AT 12:45am
1-14-84	4216'	TRIP FOR BIT AT 4300' ON BOTTOM 5:55pm DEVIATION 3/4 °
1-15-84	4542'	DRILLING
1-16-84	4746'	TRIP FOR BIT AT 4710' ON BOTTOM 3:55am
1-17-84	5027'	DRILLING
1-18-84	5380'	TD 5500' AT 6:18pm CONDITION HOLE FOR LOGS.

Edsall 2'F'
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LITHOLOGIC TOPS

	EDSALL "F" 2	EDSALL "F" 1
STONE CORRAL	2754 +1167	2748 +1161
NEVA	3468 +453	3449 +460
FORAKER	3556 +365	3539 +370
WABAUNSEE	3674 +247	3654 +255
TOPEKA	3908 +13	3886 +23
HEEBNER	4129 -208	4109 -200
LANSING	4226 -305	4207 -298
MARMATON	4609 -688	4590 -681
FT. SCOTT	4694 -773	4674 -765
CHEROKEE	4740 -819	4720 -811
ATOKA	4862 -941	4842 -933
MORROW	5026 -1105	5004 -1095
LOWER SAND	5102 -1181	5101 -1192
LOWER LIME	5127 -1206	5108 -1199
ST. GEN/ST. LOUIS	5180 -1259	5160 -1251
SPERGEN	5321 -1412	5288 -1379
WARSAW	5382 -1473	5353 -1444

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Edsall F-2

SAMPLE DESCRIPTIONS
(NOT LAGGED)

- 3980-4010 LS-60% cream, white, light grey, crypto-microxln,
firm-hard, dense, chalky, some grainy
SH-40% red-orange, maroon, medium grey, firm, blocky
some silty, trace anhydritic
Trace ANHY-white, pink, dense, xln in part
- 4010-4040 LS-80% cream, white, buff, light grey, crypto-microxln,
firm-hard, dense, chalky, some grainy
SH-red-orange, maroon, medium grey, firm, blocky,
some silty, some dark grey, carbonaceous
- 4040-4070 LS-70% cream, white, buff, light grey, crypto-microxln,
firm-hard, dense, chalky, some grainy
SH-30% red-orange, maroon, medium grey, firm, blocky,
some silty
Trace CHT-white, Poor sample, caught after trip
- 4070-4100 LS-50% cream, white, buff, light grey, crypto-microxln,
firm-hard, dense, chalky
SH-50% red-orange, maroon, medium grey, firm, blocky
some silty
- 4100-4130 LS-50% cream, white, buff, light grey, crypto-microxln,
firm-hard, dense, chalky, trace fossiliferous
SH-50% red-orange, maroon, medium grey, firm, blocky,
some silty Poor sample
- 4130-4160 LS-80% cream, buff, tan, white, light grey, crypto-
microxln, firm-hard, dense, lithic, chalky, trace
very silty
SH-20% red-orange, light-medium grey, firm, blocky,
trace pyritic
- 4160-4190 LS-80% cream, buff, light grey, crypto-fine xln,
firm-hard, dense, lithic, trace fossiliferous,
trace pyritic
SH-20% red-orange, light-medium grey, firm, blocky,
trace pyritic
- 4190-4220 LS-80% cream, light grey, white, buff, crypto-very
fine xln, firm-hard, dense, lithic, trace micro-
oolitic round-tan
SH-20% red-orange, light-medium grey, firm, blocky
some pyritic

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EdSA11F-2

- 4220-4250 LS-90% cream, buff, light grey, crypto-microxln, dense
Sn-10% red-orange, light-medium grey, firm, blocky
- 4250-4280 LS-100% cream, white, light grey, mottled, crypto-
microxln, firm-hard, dense, some grainy, trace
pinpoint porosity poor, sample very finely crushed
- 4280-4310 Sample consisted entirely of cavings, caught after trip
- 4310-4340 LS-100% cream, white, light grey, buff, crypto-fine
xln, firm-hard, dense, chalky, some arenaceous,
trace pinpoint porosity poor
Trace SH-medium grey, firm, blocky, some pyritic
- 4340-4370 LS-100% cream, light grey, white, buff, crypto-fine xln,
firm-hard, dense, chalky,
Trace SH-medium grey, firm, blocky, splty
Sample finely crushed
- 4370-4400 LS-90% cream, white, buff, mottled, crypto-very
fine xln, firm-hard, dense, lithic, trace
pinpoint porosity poor to fair
SH-10% medium grey, firm, blocky, splty, trace
pyritic also cavings
- 4400-4430 LS-95% cream, buff, white, light grey, mottled, crypto-
microxln, firm-hard, dense, chalky, trace pyritic,
trace pinpoint porosity good
SH-5% medium grey, firm, blocky, splty more cavings
- 4430-4460 LS-100% cream, buff, light grey, white, tan, crypto-
very fine xln, firm-hard, dense, chalky, lithic
trace oolitic round-light grey
Trace SH-medium-dark grey, black, firm, blocky, flakey
- 4460-4490 LS-100% cream, light grey, white, buff, crypto-
microxln, firm-hard, dense, lithic,
Trace SH-medium grey, firm, blocky, splintery, subfissile
- 4490-4520 LS-100% cream, light grey, white, buff, crypto-
microxln, firm-hard, dense, lithic, chalky, trace
fossiliferous, trace oolimoldic good porosity
Trace SH-medium-dark grey, black, firm, blocky, flakey
free pyrite
- 4520-4550 LS-100% cream, light grey, white, crypto-microxln,
firm-hard, dense, lithic, chalky, trace oolimoldic
good porosity
Trace SH-medium-dark grey, black, firm, blocky, flakey
Trace CHT-white

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- 4550-4580 LS-95% white, cream, buff, light grey, crypto-
microxln, firm-hard, dense, lithic, chalky,
trace oolitic round-medium grey, trace oolimoldic
good porosity
SH-5% medium-dark grey, black, firm, blocky, flakey
- 4580-4610 LS-100% cream, white, light grey, buff, crypto-
very fine xln, firm-hard, dense, lithic, chalky,
trace pinpoint porosity fair, trace micro-pyritic
Trace SH- medium-dark grey, firm, flakey, subfissile,
micromicaceous
- 4610-4640 LS-100% cream, white, light grey, grey brown, crypto-
very fine xln, firm-hard, dense, lithic, chalky,
trace fossiliferous, trace micro-oolitic round-buff
Trace SH-dark grey, black, firm, flakey,
- 4640-4670 LS-100% cream, buff, white, light grey, crypto-
very fine xln, firm-hard, dense, lithic, chalky,
some silty
- 4670-4700 LS-100% cream, light-medium grey, buff, crypto-
very fine xln, firm-hard, dense, lithic, chalky,
some silty, some argillaceous, fossiliferous in
part, trace pyritic
Trace SH-dark grey, black, firm, flakey
- 4700-4730 LS-95% cream, light-dark grey, buff, tan, crypto-
microxln, firm-very hard, dense, lithic, some
silty, some argillaceous
SH-5% dark grey-black, firm, blocky, flakey, very
slightly calcareous in part
Trace CHT-dark grey brown, conchoidal in part
- 4730-4760 LS-100% cream, light-dark grey, buff, tan, crypto-
very fine xln, firm-very hard, dense, lithic,
micro-sucrosic in part, trace micro-pyritic,
trace fossiliferous
Trace SH-dark grey-black, firm, blocky, flakey,
subfissile, very slightly calcareous in part
- 4760-4790 LS-100% light-medium grey, tan, cream, crypto-
very fine xln, firm-very hard, dense, lithic,
chalky, trace fossiliferous, some argillaceous,
some silty
Trace SH-dark grey-black, firm, blocky, flakey,
subfissile, micromicaceous in part
Trace CHT-tan, spotted

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Edsall F-2

- 4790-4820 LS-100% light-medium grey, tan, cream, crypto-very fine xln, firm-very hard, dense, lithic, cnalky, some argillaceous and silty, trace fossiliferous
Trace SH-dark grey-black, firm, blocky, flakey, subfissile, micromicaceous in part
- 4820-4850 LS-95% light-dark grey, cream, buff, crypto-microxln, firm-very hard, dense, lithic, very argillaceous in part, some silty, trace pyritic, trace fossiliferous
SH-5% dark grey-black, firm, blocky, flakey, very slightly calcareous in part
Trace CHT-dark grey, pyritic, micro-oolitic
free pyrite
- 4850-4880 LS-90% light-dark grey, cream, buff, crypto-microxln, firm-very hard, dense, lithic, very argillaceous in part, some silty, trace pyritic, trace fossiliferous
SH-10% dark grey-black, firm, blocky, fissile-subfissile, flakey, micromicaceous in part
- 4880-4910 LS-90% cream, light-dark grey, buff, crypto-microxln, firm-very hard, dense, lithic, cnalky, argillaceous in part
SH-10% medium-dark grey, black, firm-hard, blocky subfissile, flakey, trace fractured, micromica in part, carbonaceous in part
Trace CHT-light tan, dark grey brown
- 4910-4930 LS-90% cream, light-dark grey, buff, crypto-microxln, firm-very hard, dense, lithic, cnalky argillaceous in part
SH-10% medium-dark grey, black, firm-hard, blocky subfissile, flakey, micromicaceous in part, carbonaceous in part
Trace CHT-tan, dark grey brown
- 4930-4960 LS-85% cream, light-dark grey, buff, crypto-microxln, firm-very hard, dense, lithic, cnalky, argillaceous in part
SH-15% medium-dark grey, black, firm-hard, blocky, subfissile, flakey, micromicaceous in part, carbonaceous in part
Trace CHT-tan, spotted
free pyrite
- 4960-4980 LS-90% cream, light-dark grey, buff, mottled, crypto-microxln, firm-very hard, dense, lithic, cnalky, argillaceous in part
SH-10% medium-dark grey, black, firm-hard, blocky, subfissile, flakey, micromicaceous in part, carbonaceous in part
Trace CHT-tan, black, spotted

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Edsall-F2

- 4980-5000 LS-90% cream, light-dark grey, buff, mottled, crypto-microxln, firm-very hard, dense, lithic, chalky, argillaceous in part
SH-10% medium-dark grey, black, firm-hard, blocky, subfissile, flakey, micromicaceous in part, carbonaceous in part
Trace CHT-tan, black, spotted, more abundant
- 5000-5030 LS-95% light-medium grey, cream, buff, mottled, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-5% medium-dark grey, black, firm-hard, blocky, subfissile, flakey, micromicaceous in part, carbonaceous in part also grey green, flakey, waxy
Trace CHT-dark grey, black, tan
- 5030-5050 LS-90% light-medium grey, cream, buff, mottled, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-10% medium-dark grey, black, firm-hard, blocky, subfissile, flakey, micromicaceous in part, carbonaceous in part also grey green, flakey, waxy
- 5050-5070 LS-85% cream, light-medium grey, buff, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-15% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
- 5070-5090 LS-80% cream, light-medium grey, buff, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-20% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
Trace CHT-dark grey brown, black, pyritic in part
- 5090-5110 LS-70% cream, light-medium grey, buff, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-30% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
free pyrite
- 5110-5120 LS-65% cream, light-medium grey, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-35% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
free pyrite

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Edsall F2

- 5120-5130 LS-65% cream, light-medium grey, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-35% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
Trace SS-light grey, very fine-fine grain, subangular-subround, firm, clay filled, poor sorting, glauconitic, tight NO SHOW
abundant free pyrite
- 5130-5140 LS-60% cream, light-medium grey, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-40% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
Trace SS-white, medium grain, subangular-angular, friable-firm, calcareous, fair sorting, becoming slightly glauconitic, tight NO SHOW
abundant free pyrite
Trace CHT-black, dark grey brown, conchoidal
- 5140-5150 LS-60% cream, light-medium grey, crypto-microxln, firm-very hard, dense, lithic, argillaceous in part
SH-40% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part, pyritic in part
Trace SS-white, medium grain, subangular-angular, friable-firm, calcareous, fair sorting, slightly glauconitic, tight NO SHOW
Trace CHT-amber, opaque free pyrite
- 5150-5170 LS-60% cream, light-medium grey, tan, crypto-very fine xln, firm-hard, dense, lithic, argillaceous in part, trace oolitic round-buff, trace fossiliferous
SH-40% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
free pyrite
- 5170-5180 LS-50% cream, light-medium grey, tan, crypto-very fine xln, firm-hard, dense, lithic, argillaceous in part, slightly more oolitic, trace micro-sucrosic
SH-50% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous, in part, carbonaceous in part
Trace COAL-black, fissile, brittle, bitumenous
free pyrite
- 5180-5200 LS-70% cream, light-medium grey, tan, crypto-very fine xln, firm-hard, dense, lithic, argillaceous in part, less oolitic, trace micro-sucrosic
SH-30% medium-dark grey, black, grey green, firm-hard, blocky, subfissile, flakey, waxy, micromicaceous in part, carbonaceous in part
Trace SS-white, fine grain, subangular-subround, firm, very calcareous, fair sorting, tight NO SHOW
Trace CHT-black free pyrite

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- 5200-5210 LS-40% cream, white, light-medium grey, light-medium tan, mottled, crypto-very fine xln, firm-very hard, dense, litnic, some argillaceous also cream-white, cryptoxln, firm, dense, arenaceous, micro-oolitic round buff
SH-60% medium-dark grey, black, grey green, firm-hard, flakey, blocky, micromicaceous in part
Trace CHT-tan-white, mottled
Trace COAL-black, vitreous, bitumenous
- 5210-5250 LS-60% cream, white, light-medium grey, light-medium tan, mottled, crypto-very fine xln, firm-very hard, dense, litnic, some argillaceous also cream-white, crypto-xln, firm, dense, arenaceous, micro-oolitic round buff,
SH-40% medium-dark grey, black, grey green, firm-hard, flakey, blocky, micromicaceous in part
free pyrite
- 5250-5270 LS-50% cream, white, cryptoxln, firm, dense, arenaceous becoming more oolitic also light grey, light tan, crypto-fine xln, firm-very hard, dense, lithic, fossiliferous in part
- 5270-5300 LS-50% cream-white, cryptoxln, firm, dense, arenaceous oolitic some light grey, buff, crypto-very fine xln, firm-hard, dense, litnic
SH-50% medium-dark grey, black, grey green, firm-hard, flakey, blocky, micromicaceous in part
- 5300-5310 LS-60% cream-white, cryptoxln, firm, dense, arenaceous, oolitic round-buff
SH-40% medium-dark grey, black, grey green, firm-hard, flakey, blocky, micromicaceous in part
free pyrite
- 5310-5320 LS-70% cream-white, cryptoxln, firm, dense, arenaceous oolitic also buff, tan, cryptoxln, hard, litnic, trace pyritic
SH-30% medium-dark grey, black, grey green, firm-hard, flakey, blocky, micromicaceous in part
Trace CHT-buff
- 5320-5340 LS-60% cream-white, cryptoxln, firm, dense, arenaceous oolitic, trace pyritic also buff-tan, medium-dark grey, cryptoxln, firm-hard, dense, lithic
SH-40% medium-dark grey, black, grey green, firm-hard, flakey, blocky, micromicaceous in part
Trace SS-white, fine-medium grain, subangular-subround, friable, calcareous, fair sorting, slightly glauconitic, tight NO SHOW
Trace CHT-buff free pyrite

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Edsall F-2

- 5340-5350 LS-80% cream-white, cryptoxln, firm, dense, arenaceous, oolitic also cream, medium grey, buff, tan, mottled, crypto-very fine xln, firm-very hard, dense, lithic, trace pyritic, snow described below
SH-20% medium-dark grey, black, grey green, firm, flakey, subfissile, waxy, micromicaceous in part, trace glauconitic
Trace SS-white, very fine-fine grain, subround, firm, slightly calcareous, clay filled, fair sorting, slightly glauconitic, tight NO SHOW
Trace CHT-white
TRACES BRIGHT YELLOW-GREEN FLUORESCENCE
VERY FAINT PALE YELLOW STREAMING
POOR YELLOW-GREEN RING
- 5350-5380 LS-80% cream-white, cryptoxln, firm, dense, arenaceous, oolitic also cream, buff, tan, crypto-medium xln, firm, very hard, dense, lithic, chalky, tr fossiliferous
SH-20% medium-dark grey, black, grey green, firm, flakey, subfissile, waxy, micromicaceous in part
Trace CHT-white, opaque, buff, black, spotted
Trace FOSS-byrozoa free pyrite
- 5380-5400 LS-90% cream-white, cryptoxln, firm, dense, arenaceous, oolitic becoming much less also cream, buff, light tan, light grey, crypto-microxln, firm-very hard, dense, lithic, chalky, some silty
SH-10% medium-dark grey, black, grey green, firm, flakey subfissile, waxy, micromicaceous in part
Trace CHT-opaque, buff free pyrite
- 5400-5410 LS-90% cream-light grey, buff-tan, light grey, crypto-very fine xln, firm-hard, dense, lithic, chalky, some silty, trace dolomitic
SH-10% medium-dark grey, black, grey green, firm, flakey, subfissile, waxy, micromicaceous in part
Trace CHT-opaque
- 5410-5420 LS-85% cream-light grey, buff, tan, light grey, crypto-very fine xln, firm-hard, dense, lithic, chalky more silty
SH-15% medium-dark grey, black, grey green, firm, flakey, subfissile, waxy, micromicaceous in part
Trace CHT-opaque, tan, mottled, spotted in part
- 5420-5430 LS-90% cream, buff, light grey, light tan, medium tan, crypto-microxln, firm-hard, dense, lithic, some silty, some oolitic round-buff, less arenaceous
SH-10% medium-dark grey, black, grey green, firm, flakey, subfissile, waxy, micromicaceous in part
Trace CHT-white, opaque, black

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Edsall F2

- 5430-5450 LS-95% cream-buff, tan, mottled, crypto-coarse xln, firm-hard, dense, lithic, chalky, fragmental
SH-5% medium-dark grey, black, grey green, firm, flakey, subfissile, waxy, micromicaceous in part
- 5450-5460 LS-95% buff-tan, light grey, cream, mottled, crypto-coarse xln, firm-hard, dense, lithic, chalky, fossiliferous in part, some micro-oolitic round-buff and arenaceous, some silty, some fragmental
SH-5% dark grey-black, grey green, firm, flakey, blocky
Trace CHT-white, opaque
- 5460-5470 LS-95% cream-light grey, buff-tan, mottled, crypto-coarse xln, firm-hard, dense, lithic, chalky, some silty, trace pyritic some oolitic round-buff, trace slightly glauconitic
SH-5% dark grey-black, grey green, firm, flakey, blocky, Trace CHT-white
- 5470-5480 LS-95% cream-light grey, buff-tan, mottled, crypto-coarse xln, firm-hard, dense, lithic, chalky, some silty trace cherty and pyritic
SH-5% dark grey-black, grey green, firm, flakey, blocky
Trace CHT-grey brown, fractured, opaque, black
- 5480-5490 LS-95% cream-light grey, buff-tan mottled as above also tan, cryptoxln, hard, lithic, dolomitic
Trace DOL-light grey, cryptoxln, hard, dense
SH-5% dark grey-black, grey green, firm, flakey, blocky
Trace CHT-black, buff
Trace FOSS-crinoid
- 5490-5500 LS-95% cream-light grey, buff-tan, mottled as above trace fossiliferous
SH-5% dark grey-black, grey green, firm, flakey, blocky free pyrite

5500 CIRCULATED 1 HOUR

LS-100% cream-light grey, buff-tan, mottled, crypto-coarse xln, firm-hard, dense, lithic, chalky, more fossiliferous, oolitic in part, round-tan
Trace DOL-light grey, micro-very fine xln, dense, very micro-fossiliferous, trace cherty, some oolitic dark grey-round

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Edsall F2
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MUD RECORD

DEPTH	WEIGHT	VISCOSITY	pH	WATER LOSS	CHLORIDES
4003	9.3	39	10.0	22.4	51,000
4532	9.2	40	10.0	16	38,000
4781	9.2	45	10.5	14	29,000
5198	9.2	48	10.0	7.8	22,000

BIT RECORD

NO.	SIZE	MAKE	TYPE	DEPTH OUT	FOOTAGE	HOURS
1	12 1/4	STC	FDT	460	460	3 1/4
2	7 7/8	WM	03J	1522	1062	9 1/2
3	7 7/8	HTC	J22	4300	2778	70 1/2
4	7 7/8	WM	053RR	4710	410'	28 1/4
5	7 7/8	WM	053RR	5500	790	51

DRILLING PARAMETERS

DEPTH	RPM	WOB	PP	SPM
4067	60/65	40K	1200	72
4385	60/65	40K	1200	72
4710	60/65	30/35K	1150	72
4930	60/65	35K	1200	72
5287	60	40K	1150	72