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COMPANY	THE ANSCHUTZ CORP., NCRA, DOW CHEMICAL CO
WELL	NO.1 J.A. BRECKENRIDGE
FIELD	WILDCAT
COUNTY	GENTRY
STATE	MISSOURI
LOCATION	NE SE 12 60N 33W
ELEVATION	975.6 KB
DEPTH LOGGED FROM	217' TO 2522' FT
DATE LOGGED	JAN 5, 1975 – JAN 11, 75
CREW CHIEF	CHARLES L. ARD
FILE NO.	9L-274
DRLG. FLUID	WATER, SURFACE TO 1550 FT; CHEM WATED MUD, 1550' TO 2522' FT

LEGEND

ABBREVIATIONS

NB = NEW BIT
NCB = NEW CORE BIT
CO = CIRCULATED OUT
DST = DRILL STEM TEST
LAT = LOGGED AFTER TRIP
TG = TRIP GAS
NR = NO RETURNS
DS = DIRECTIONAL SURVEY
DC = DEPTH CORRECTION
DEPTHS CORRESPOND TO DRILL PIPE MEASUREMENTS

RESISTIVITY, OHM-METERS
Rm = MUD
Rmc = MUD CAKE
Rmf = MUD FILTRATE

MUD DATA
CK = CAKE THICKNESS 32nds
V = VISCOSITY API SECONDS
F = FILTRATE API CC'S
W = WEIGHT
S = SALINITY, ppm Cl

LITHOLOGY

SAND, SALT, COAL, CONG, CLAY, DOLOMITE, BENTONITE OR GYPSUM, SHALE, CHERT, LIMESTONE, CHALK, SILTSTONE

DRILLING RATE MIN/FT ■ FT/HR □	POR G F P % VISUAL	LITH	DEPTH	HYDROCARBON ANALYSIS: HOT WIRE / PHD CHROMATOGRAPH (Methane, Ethane & Propane, Butane & Pentane)	FLUOR P F G	HOT WIRE TOTAL GAS & METHANE Units/Div, MUD	REMARKS: FORMATION DESCRIPTION, MUD DATA, DRILL STEM TESTS, etc.

ALL DATES AS OF 12:01 AM

BEGIN LOGGING JAN 5, 1975 AT 220'

DRILLING WITH WATER

1-5-75: WOB 32000, RPM 60, PP 500, PS 54
BIT NO 1E SMITH F3

8 5/8" CASING

NO RETURN

1-6-75: WOB 32000, RPM 60, PP 500, PS 54

GEOLOGRAPH INOP

CARBIDE LAG CHECK: LAG TIME FROM BOTTOM OF HOLE 7.5 MIN
GAS TRAP SYSTEM CHECKED
SAMPLER MALFUNCTIONED 800'-820'
NO SAMPLE

1-7-75: WOB 36000, PP 550, RPM 57, PS 54

Electronic Calibration 1% C_1-C_4: C_1 80 Units, C_2 76, C_3 80, C_4 62

CARBIDE LAG CHECK: LAG TIME FROM BOTTOM OF HOLE 15 MIN
GAS TRAP SYSTEM CHECKED

TRIPPED OUT OF HOLE AT 1283' FOR NEW BIT HUGHES J 33

1-8-75: WOB 50000, RPM 60, PP 600, PS 60

1-9-75: WOB 50000, RPM 60, PP 600, PS 62

LOST APPROX 50-75 BBLS DRILLING FLUID AT 1930'
ADDED GEL, COTTONSEED HULLS AND MUD FIBER

CARBIDE LAG CHECK: LAG TIME FROM BOTTOM OF HOLE 22 MIN
GAS TRAP SYSTEM CHECKED

GEOLOGRAPH INOP

1-10-75: WOB 50000, RPM 55, PP 600, PS 57

WT 9.3, VIS 34

1-11-75: WOB 35000, RPM 60, PP 600, PS 54

TD 2522 6:00 AM 1-11-75
SCHLUMBERGER 2517'

REMARKS

SLTST- GRY, GRN SLTY, CALC

LS- WHT, TAN, HD, CALC, N FOS, TR FIR, mIB

SLTST- GRY, SLTY, S/CALC

LS- WHT, CHLKY, CALC, N FOS, mIB

NO SAMPLE

LS- WHT, TAN, CALC, FOS, mIA

SLTST- GRY, GRN, SLTY, SFT

TR CHT

COAL- BLK, HD, LIG

SH - BLK, GRN, GRY, FIS, SFT

LS - WHT, TAN, CLR, CALC, N FOS, mI-IIA

TR HEMATITE

LS - WHT, CHLKY, CALC, N FOS, mIIB

SH - GRY, FIS, SFT

TR PYRITE

SH - DGY, FIS, SFT, V/CALC

LS - DGY, GRY, CALC, N FOS, MIA

LS - WHT, TAN, CALC, N FOS, DOLO IP, mIA, gIIB

TR CHERT

LS - WHT, TAN, CALC, N FOS, mIA

SH - BLK, GRY, HD, S/COALLY, FIS

LS - WHT, CALC, CHLKY, mIA, gIIB

SH - LGN, GRY, SLTY, SFT, S/CALC, SANDY IP

SLTST - GRY, LGY, FRM-SFT, SNDY, CALC, MICAC

LS - WHT, GRY, HD, DNS, FOS OCC, N/XTLN, ABUN PYRITE, mIA,

SH - BLK, FRM, SLTY, CALC

LS - WHT, GRY, BRN, HD, DNS, SLTY IP, FOSS IN P, DOLO IP CALC, mIA

TR F-VFG SS

SH - RED, GRN, GRY, FRM-SFT, SUB WXY, S/CALC, HEMATITE RICH

TR SS

SS - WHT, GRY, S & P, F-VFG, PRLY SRTD, SUB RND, FRI, WL CONS, MICAC, CALC

LS - WHT, CRM, CALC, NO FOS, DOLO IP, mIA

SH - BLK, GRY, DGY, FRM, SNDY, SLTY, MICAC IP, OCC GRDNG SLTST

SLTST - WHT, GRY, S&P, SNDY-V/SNDY, CALC, MICAC

LS - WHT, CRM, CALC, N FOS, mIA, GI-IIB IP

TR VFG SS

SH - BLK, GRY, GRN, FRM-SFT, EARTHY, CALC

SLTST - WHT, GRY, S&P, SNDY-V/SNDY, CALC, MICAC

LS - WHT, TAN, CALC, N FOS, mI-IIA

TR PYRITE

SH - GRN, GRY, FIS, MICAC

SS - CLR, W/CMTD, W/ SRTD, SUB RND, FG, VS/POR

SLTST - GRN, GRY, SFT, FIS

LS - WHT, BRN, CALC, N FOS, mIA

COAL - BLK, HD, LDG

SS - CLR, W/CMTD, W/ SRTD, SUB RND, FG, VS/POR

SLTST - GRN, GRY, SFT

SH - GRN, GRY, DGY, SFT - FRM, SLTY IP, SNDY IP, S/CALC, CARB

COAL STRINGERS - BLK, HD, BTL

SS - WHT, CLR, F-MG, WL CONS, FRI, RND-WL RND, CALC CMT, ABUN PYRITE, ABUN LSE QTZ GRNS

LS - TAN, HD, DNS, N/XTLN, N FOS, CALC mIA

SH - LGY, LGN, FRM-SFT, SLTY IP, MICAC IP, SUB WXY, BLK, FRM FIS, THNLY LAM W/GRY STRNG

SS - WHT, CLR, F-VFG, WL CONS, FRI, WL SRTD, SLTY

SLTST - GRY, WHT, HD, CALC

SH - LGY, LGN, FRM-SFT, SLTY IP, MICAC IP, SUB WXY, BLK, FRM, FIS

SS - UNCONS QTZ GRNS, FG

SS - WHT, CLR, F-CG, WL CONS, FRI, SUB RND, SUB ANG, GLAUC IP, CALC CMT

SS - UNCONS QTZ GRNS, M-CG, SUB RND, SUB ANG

SH - DGY, BLK, FRM, VS/CALC

FRI, MOD CONS, SLTY, ARGIL, PRLY SRTD, GLAUC IP

SLTST - BLK, GRY, FRM-SFT, SLTY

LS - WHT, TAN, CALC, N FOS, mIA

SH - BLK, DGY, FRM, VS/CALC

SS - WHT, CLR, S & P, VFG, WL CONS, WL SRTD, FRI, GLAUC, PYRIC, CALC, GRDNG TO V/SLTY & MICAC

SH - BLK, DGY, GRY, FRM, VS/CALC

SS - WHT, CLR, S & P, VFG, WL CONS, WL SRTD, FRI, GLAUC, PYRIC, CALC

SH - BLK, DGY, GRY, FRM, VS/CALC, ABUN PYRITE

SH - BLK, DGY, GRY, FRM, VS/CALC, ABUN PYRITE

SS - WHT, TAN, CLR, M-CG, WL CONS, FRI, WL RND, WL SRTD, VS/CALC

SH - BRN, RD BRN, GRY, GRN, FRM-SFT, EARTHY SLTY IP

SS - WHT, TAN, CLR, MG, FRI, WL CONS, WL SRTD, VS/CALC

SH - DGY, GRY, GRN, FRM-SFT, EARTHY, SLTY IP

LS - TAN, LBRN, HD, N/XTLN, FOS, mIA, gIA

LS - DOLO IP

LS - WHT, TAN, CALC, FOS, N/XTLN, DOLO IP, mIA, mIIB, gII-IIIfB

TR CHERT

TR PYRITE

SLTST - WHT, LGY, HD, N/CALC

LS - TAN, LBRN, CALC, m IA

DOLO - BRN, SUCROSIC, xIIIvfC

SLTST - WHT, LGY, HD, N/CALC

LS - WHT, TAN, CALC, FOS, xIIIvfB, mIA, wIA-B

DOLO - BRN, SUCROSIC, xIIIfC

TR PYRITE

SLTST - WHT, LGY, HD, N/CALC

LS - WHT, TAN, CALC, FOS, SLTY, mIA, wIA

N/FOS

SH - GRN, BLK, FRM-SFT, SLTY

TR PYRITE

LS - WHT, TAN, CALC, FOS, DOLO IP, mIA, gI-IIB

CHERT - WHT, HD, VFG, N/FOS, CONC FRAC

SH - BLK, GRY, GRN, SFT, SLTY IP, EARTHY S/CALC

LS - WHT, TAN, CALC, mIA, gIIfB

CHERT - WHT, LBLUE, V/HD, BRTL, CONC FRAC

SH - BLK, GRY, GRN, SFT, SLTY IP

DOLO - BRN, DBRN, SUCROSIC, xIIfB, xIIIfC, OCC xIIIfD, NO CUT

LS - WHT, CRM, TAN, CALC, FRM-SFT, V/CHLKY IP, mIIB, OCC gIIIf-mC

DOLO - BRN, LGRY, V/SLTY, xIIfB

SH - LGRY, LGRN, SFT, CALC, SUB WXY

SAMPLE TOP LIME CREEK 1680'

LS - BRN, DGRN, CALC, DRTY, DOLO IP, PYRIC, mIA, mIIB, gIIf B

DOLO - BRN, SUCROSIC, V/SLTY, xIIIvfA

TR ANHYD - XTLN, HD

TR SH

LS - WHT, TAN, CALC, mIA, V/SFT, CHLKY, mIIB

SAMPLE TOP HUNTON 1748'

SH - GRY, GRN, RED, ABUN HEMATITE NOD AS NOTED IN SLOCUM #1 TO THE NORTH

LS - WHT, TAN, BRN, CALC, N FOS, NO CUT, mI-IIB

SH - BLK, GRY, GRN, FRM, SLTY, VS/CALC

T R HEMATITE

TR PYRITE

LS - WHT, BRN, CALC, N FOS, mI-IIA

SH - BLK, GRY, GRN, FRM, SLTY

DOLO - BRN, SUCROSIC, FG, DRTY, HD

LS - WHT, BRN, CALC, N FOS, mI-IIA

SH - BLK, GRY, GRN, FRM, SLTY

TR PYRITE

DOLO - BRN, SUCROSIC, FG, HD

LS - WHT, BRN, CALC, N FOS, mIA, gIfA

TR HEMATITE

SH - BLK, GRN, RBRN, FRM, SLTY

DOLO - BRN, SUCROSIC, FG

LS - WHT, TAN, CALC, NO FOS, mIA, gIfA, xIIIvfA

TR PYRITE

ANHYD - WHT, CLR, HD, XTLN

DOLO - WHT, SUCROSIC, xIIImB, xIIImC

SH - BLK, GRN, FRM, SLTY

LS - WHT, CALC, SFT, CHLKY, mIIB

SH - GRY, GRN, FRM-SFT, SLTY IP, CALC

DOLO - WHT, SFT, xIIB

LS - WHT, CRM, CALC, N FOS, MI-IIB

SS - CLR, SLTY, DOLO CMT, WL SRTD, SUB RND, FEW UNC QTZ GRNS

SH - DBRN, GRY, GRN, SFT, SLTY, VS/CALC

DOLO - BRN, SUCROSIC, FG

LS - pI-IIf-vfB

DOLO - WHT, LBRN, SFT CHLKY, MSTLY xIIB

SH - GRY, LGRN, SLTY, FRM-SFT, CALC, DOLO IP

SAMPLE TOP MAQUOKETA SHALE 2150'

SH - GRY, LGRN, SLTY, FRM-SFT, CALC, DOLO IP

SAMPLE TOP VIOLA 2180'

DOLO - WHT, xIIIoB, xIoA

DOLO - WHT, HD, CHRTY, PYRIC, xIIImeB, xIA

ANHYD - V/SFT, MASS

CHERT - WHT, PALE BLUE TRANSLUC, CONC FRAC

DOLO - ARGIL, xIA, xIIB

CHERT - WHT, PALE BLUE TRANSLUC, CONC FRAC

DOLO - WHT, LBRN, DRTY CHLKY, SLTY IP xIIB, xIIIf-mB

CHERT - WHT, TRANSLUC HD, CONC FRAC

SH - GRY, GRN, SFT-FRM, SLTY IP, CALC

xIA, xIIIf-mC, ABUN BLK RES BETWEEN XTALS, NO SHOW, NO FLUOR, NO CUT

SH - GY, GRN, SFT-FRM, SLTY IP, CALC

DOLO - BRN, SUCROSIC, xIA, xIIIf-mC NO CUT

LS - WHT, CALC, HD, mIA

SAMPLE TOP SIMPSON 2400'

SH - GRY, GRN, BLK, FRM, SNDY IP, VS/CALC

DOLO - BRN, SUCROSIC, DRTY, xIIIfA, NO CUT

SS - CLR, PRLY CMTD, FRI, MOD WL SRTD, SUB RND TO SUB ANG, FG, NO/CALC

DOLO - BRN, TAN, SUCROSIC, xIIIfA

SAMPLE TOP ST PETER 2464'

SS - CLR, WL RND, WL SRTD, NO/CALC, FRI, BLK RES BETWEEN GRNS, FAINT CUT

SAMPLE TOP ARBUCKLE 2490'

DOLO - CRM, TAN, CLR, xIIIf-mB