PROFILE

PETROLEUM RESERVOIR ANALYSIS
Houston Carlsbad Denver
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COMPANY	DOYLE HARTMAN OIL OPERATOR
WELL	LANKFORD NO.2 UNIT 6
FIELD	
COUNTY	LEA — STATE NEW MEXICO
LOCATION	1980' FNL & 1980' FEL, SEC. 25, T23S, R36E, N.M.P.M.
LOGGED BY	MURPHY, ANDERSON
INTERVAL LOGGED	2800' TO 3700'
DATE LOGGED	12/21/83 TO 12/23/83
UNIT 6	PHONE

ELEV.
GL 3348.5
KB 3350.0

NO-NEW BIT
CO-CIRCULATED OUT
ST-SLOWE TEST
DST-DRILL STEM TEST
NR-NO RETURN
RS-REPORTED SHOW

GAS SEPARATION
METHANE — 5
ETHANE — 2
PROPANE — 1
BUTANE — 4

GAS FROM MUD
GAS FROM CUTTINGS

SAND, LIMESTONE, DOLOMITE, SHALE, ANHYDRITE, CHERT, CONGLOMERATE, GRANITE, GRANITE WASH, SALT, COAL, SILTSTONE, OIL, GAS, WATER

DRILLING RATE (MIN/FT) 5 10 — FLOW 2800

LITHOLOGY — CUT % FLOOR — POR

REMARKS — CL PH SL

GAS ANALYSIS 50% 0 20 40

12/22/83

12/23/83

101 28-BRINE
WOB-35/40K
RPM-68
PP---1350
LAG-32 MIN
ANHY-WHT/LT GRY XLN DOLO'N

DOLO-BF/LT GRY/LT BRN/BRN DNS VFXLN IP FRM ANHYD'C IP

DOLO-LT BRN/BF/TN/LT GRY VF/FXLN SH DNS FRM SH ANHY LAM

DOLO-LT BRN/TN MOTT BF VF/FXLN/DNS IP FRM SH HRD ANHY'C SLTY IP

DOLO-LT BRN/TN BRN MOTT/BF VF/FXLN SH DNS FRM/HRD SILIC ANHY'C

SH-FRM DK BRN/BRN/BLKY SLTY CARB

DOLO-TN/LT BRN MOTT VF/F XLN SM LITH FRM EVID OF VUG/FRAC/TITE SM RESID OIL STN

100 30-N/C
WOB-35/40K
RPM-68
PP---1350

DOLO-LT BRN/TN/LT GRY/BF VF/FXLN SH DNS FRM TRC VUG POROSITY CALC IP TRC FREE CAL

DOLO-LT BRN/TN DK BRN MOTT TN/BRN VF/FXLN SM DNS CHUKY LS

DOLO-LT BRN/BRN/DK BRN/TN MOTT F/CXLN SH DNS SLTY ARG

SS-GRY/GRN VFPG/SLTY LSLY CONS/FRIA CALC IP

SS-GRY/BF/GRN/CONS FRIA VFG/SLTY TRC OIL STN

SS-BF/GRY/MLKY/VFG/SLTY LSLY CONS

101 32 16 F 80 166
WOB-35/40K
RPM-68
PP---1300

DOLO-LT BRN/TN/DK BRN MOTT/F/CXLN FRM SH OOL CALC/ARG

STRNG WHT CUT VUG POROSITY

SS-LT TN/LT GRY SLTY/VFG F/G CONS FRM CALC CHT WL SRTD SUBRDD

DOLO-LT GRY/LT TN/VFXLN/DNS/SH ARG

SS-WHT/VFG/CONS/WLSRTD SUBRDD/SUBANG

DOLO-PRED TN/BRN/FXLN/MICXLN/SM TN DNS TRC VUGS & FRAC

DOLO-LT GRY/LT TN FXLN SM GRY/BRN ARG DNS/SH ARG

SS-GRY/WHT/VFG/SLTY CONS FRIA/CALC/WL SRTD/SUBANG/SUBRDD

101 32 14 F 80 162M
WOB-35/40K
RPM-65
PP---1400

SS-BRN/TN SLTY VFG LSLY CONS FRIA CALC CHT WL SRTD SUBRDD

DOLO-LT GRY/LT TN/VFXLN SM DNS

SS-LT GRY/LT BRN/TN SLTY VFG FRM CALC CHT WL SRTD SUBRDD

DOLO-LT BRN/TN/BRN/XLN SM DNSFRM SLTY IP BECOMING ARGL

SS-GRY VFG CONS FRIA WLSRTD SUBRDD

DOLO-WHT/BF VFXLN SM TN DNS ARG IP

BLU WHT CUT

100 34 12 F 75 162M
WOB-35/40K
RPM-68
PP---1450

DOLO-WHT/BF VFXLN SM TN MICXLN/DNS W/LT GRY LITHO

DOLO-LT GRY MICXLN/TN VFX SM BRN FXLN TRC PYR VUGGY POROSITY

DOLO-PRED LT TN VFXLN SLTY/ARG IP

DOLO-BF/LT TN MICXLN/VFXLN SM WHT DNS SLTY ARG TRC SH GRY/GRN

DOLO-BF/WHT MICXLN/SM BF DNS ABNDT PYR TRC LT TN LITHO

10.2 34 14 FLM 8 166M
WOB-35/40K
RPM-68
PP---1400
LAG--43 MIN

DOLO-WHT/BF MICXLN/DNS SM BF VFXLN GRDING ARG

DOLO-A/A TRC FRAC ABT PYR

SH-FRM GRY/GRN

DOLO-WHT DNS/BF VFXLN DNS SM TN LITHO

SS-TN/LT BRN CONS F/VFG CLY CHT SM CALC

DOLO-WHT/BF/VF/MICXLN SM BF DNS RES OIL STN

DOLO-BF/LT TN/WHT/MICXLN ARG/SLTY/SNDY

DOLO-LT TN/PNK/VFXLN/DNS

101 32 12 F 8 166M
WOB-35/40K
RPM-65
PP---1350

DOLO-LT TN/WHT DNS SILIC SNDY/SLTY

BLU WHT CUT

SH-FRM DK BRN SLTY CALC

DOLO-WHT/BF F/VFLXN W/SM GRY MIC/DNS SNDY

BLU WHT CUT

SH-FRM DK BRN/BRN SLTY CALC

DOLO-WHT/BF VFXLN

SH-A/A

DOLO-WHT/BF VFXLN SM TN/LT TN MICXLN/DNS SM LT GRY LITHO

SH-FRM/BRN/BLKY/CALC

DOLO-WHT/BF/VFXLN SM DNS

100 32 12 I 85 166M
WOB-35/40
RPM-68
PP---1400

SH-FRM BRN/DK BRN/CALC

DOLO-WHT/TN VFXLN/ARG IP

BLU WHT CUT

DOLO-WHT/TN/BF/VF/FXLN

BLU WHT CUT

SH-FRM BRN/CALC

DOLO-A/A SM LT TN MICXLN/DNS

FAIR YEL/GLD CUT

DOLO-WHT/BF/LT TN VFXLN/MICXLN SNDY/SLTY

SH-FRM DK BRN/CALC SLTY SNDY

DOLO-A/A

100 34 12 I 80 166M
WOB-35/45K
RPM-68
PP---1400
LAG--44 MIN

SH-GRY/BRN SLTY

DOLO-TN/WHT VFXLN

PRED TN GRAN

DOLO-WHT/LT GRY VFX

SS-VFG LT GRY UNCONS RDD SUBRDD ARG SM SLT

DOLO-WHT/BF VFXLN/GRAN

SH-GRY/BRN CALC SLSTN

DOLO-BRN VFXLN EXTNY ARG

DOLO-WHT/VFX W/TN DNS/LITH ARG

SH-FRM GRY SLSTN

DOLO-WHT VFX/TN DNS LITHO

FAIR LT BLU/WHT CUT

SH-FRM BRN SLTY W/GRY GRN SLTST

SS-GRN/GRY VFG/SLTY W/SH

FG CLR CONS V/FRIA

DOLO-A/A W/SM WHT/BUF SUC

T.D-C.O. 3700' DRLR.