

WELL MERLE #1

COMPANY LEAVITT EXPLORATION Co.

AREA JUNCTION CITY

LOCATION 825'N & 1620'W OF THE SE 1/4 CORNER, SEC 26 T16S R5W

COUNTY, STATE LANE COUNTY, OREGON

- W E G E -  
WESTERN GEO-ENGINEERS

"A SERVICE TO THE OIL AND GAS INDUSTRY"

RECEIVED - PTLD

SEP 11 1985

DEPT. OF GEOLOGY  
A MINERAL INDUSTRY

LITHOLOGY SYMBOLS



REMARKS

WELL ELEV. GL. 390'  
KB. 396.5'  
SALINITY IN PPM CL-  
FILTRATE IN CC/30 MIN.  
GAS TRAP AGITATOR TYPE  
MUD LIGNOSULFONATE  
BAROID  
JANNSEN DRILLING Co.

MUD DATA

W WEIGHT  
V VISCOSITY  
F FILTRATE  
FC FILTER CAKE  
SD SAND IN %

LEGEND

S SALINITY  
R RESISTIVITY  
RF FILTRATE RESISTIVITY

BIT DATA

NB NEW BIT  
RRB RERUN BIT

CB CORE BIT  
WLCB WIRE LINE CB

OTHER DATA

TG TRIP GAS  
CG CONNECTION GAS  
C CARBIDE GAS

CR CIRCULATE RETURNS  
NR NO RETURN  
DST DRILL STEM TEST

[ DST INTERVAL  
] CORE INTERVAL

CASING

12" TO 280'

8-5/8" TO 360'

TO

DATE 8/23/85 TO 9/2/85

DEPTH 380' TO 2871'

ENGINEERS J. DUVALL  
B. PORTWOOD

- W E G E -  
WESTERN GEO-ENGINEERS

Drilling Rate In FT/HR

Bit Data

OIL IN MUD or CUTTINGS Tr x Fair xx Good xxx V/Gd xxxx

REMARKS

DEPTH

SAMPLE

LITHOLOGY

MUD ANALYSIS

TOTAL DITCH GAS \_\_\_\_\_

PET. VAP. \_\_\_\_\_

10 20 30 40 50

BLENDER GAS \_\_\_\_\_

75 100 125 150 175 200

CUTTING ANALYSIS

TOTAL GAS \_\_\_\_\_

PET. VAP. \_\_\_\_\_

25 50 75 100

Mud Data  
Formation Tests  
Core Analysis  
Surveys  
E Logs

NB#2 HUGHES J2

11/11/11

DRL SRFC W/11" BIT;  
SET 12" CSG @ 280'  
SET 8-5/8" CSG @



8/27/85

WOB 10/13,000  
RPM 100  
PP 400  
SPM 45

1200

1500

1600

1700

1800

WOB 15/21,000  
RPM 120  
PP 450/475  
SPM 52

LTSTN, MD GRY, SNDY, ARG, OCCAS HD;  
SNDY, ARG, CALC, FRM, HD;  
SS, DR, PRY, LTHC, MD, GR;  
SBAND, PRLY, SRTD, ARG;  
CALC, FRI, FRM, CLY, MD;  
GRY, V, SFT, V, SOL

CHROM=100%C1

LTSTN, MD GRY, SNDY, ARG,  
SIL, FRM, HD; CLY, MD, GRY,  
V, SFT, V, SOL; TR, SD, COM

LTSTN, MD GRY, BRN, GRN,  
GRY, FECS, CALC, FRM, BRITL;  
CLY, MD, GRY, V, SFT, V, SOL;  
TR, BYR

LTSTN, LT-DK GRY, ARG,  
SIL, FRM, BRTL; CLY, MD,  
GRY, V, SFT, V, SOL; COM, CT

CHROM=100%C1

VLCCLSTCS, LT, MD, DK GRY,  
V, SFT, V, SOL; CALC; RARE  
PYR

TU BRECCIA, MD GRN, GRY  
SPKLD W/BLK&BRN FRAGS  
CHLOR ALT; CLY, MD, GRN,  
GRY, V, SFT, V, SOL; SL  
CALC; RARE, PYR

TU BR, MD GRN, GRY, LT  
GRY, SPKLD, CHLOR ALT;  
CLY, MD, GRY, V, SFT, V, SOL;  
RARE VN, QTZ; RARE, PYR

CHROM=100%C1

TUF, MD-DK GRY, GRN, BRN,  
CTD, MTLD, FRI, FRM; TR  
CLAY, WH, MD, GRY, GRN, MOD  
FRGS; SL, TR, PYR; OCC, OZ  
CALC SEAMS

TUF, FECS, LTSTN, MD-DK  
GRY, GRN, OCC, LT, GRN, DK  
BRCCID, SUC, TEX, SPKLD,  
FRI, OCC, BST, FRGS, BLK,  
HD; TR, CALC; TR, PYR; TR,  
RD, SEC MIN

CHROM=100%C1

FECS, LTSTN, LT, MD, GRY,  
FRM; SND, CLR, WH, VFN, ANG,  
SBRDD, PRLY, SRTD, MD, VL  
CONS; CLY, LT, MD, GRY, SFT,  
V, SOL; CALC, OZ, SEAMS; TR,  
PYR; SL, TR, WH, MCA; LIG

LTSTN, FECS, LT, DK, GRY,  
MD-DK, BRN, OCC, CLR, OCC,  
BRCTD, OCC, LTHC, FRM, HD;  
TR, SND, CLR, WH, VFN, ANG;  
SBRDD, DRY, MD, WL, CONS; CLY,  
MD, GRN, SFT, MD, SOL, CALC;  
TR, PYR; TR, RD, SEC MIN;  
OCC, BLD, TUF, V, HD

CHROM=100%C1

VLC SEDS, WH, CLR, BLK,  
RD, BRN, VGT, FECS, SUC,  
TEX, ANG, RD, GRN, FRM,  
V, HD; CLY, MD, GRY, SFT,  
SOL; TR, CALC; RD, SEC MIN

VLC SEDS, VGT, ANG-SBRDD,  
OCC, BRCTD, SUC, TEX, ALT,  
FRM, FRI, TO, HD, CUY, MD,  
GRY-GRN, SFT, SOL, CALC;  
OZ, INTRST, IN, SEAMS; PYR;  
CALC; POSS ZEOLITES

CHROM=100%C1

TUF, MD-DK GRY, GRY, GRN,  
SUC, TEX, OCC, ALT, BRCTD,  
FRM, FRI, INTRST, CALC, OZ;  
PYR; CALC; VLC, FRES, DK

W 9.0  
V 51

LAG 17MN  
100CC  
JL VIS  
62 SPM  
DUR 14MN

W 9.3  
V 42  
F 8.4  
FC 2/32  
PH 9.0  
S 700  
SD 4%  
SOL 6%

300 200 150 100 50

8/29/85

WOB 15,000  
RPM 100  
PP 450/500  
SPM 50

WOB 15,000  
RPM 100  
PP 60  
SPM 50

767' / 28 1/2 HRS

T4B6  
NB#6 STC FDT  
13/13/13 (8/30-31/85)

WOB 15,000  
RPM 100  
PP 450  
SPM 52

300 200 150 100 50

9/1/85

WOB 15,000

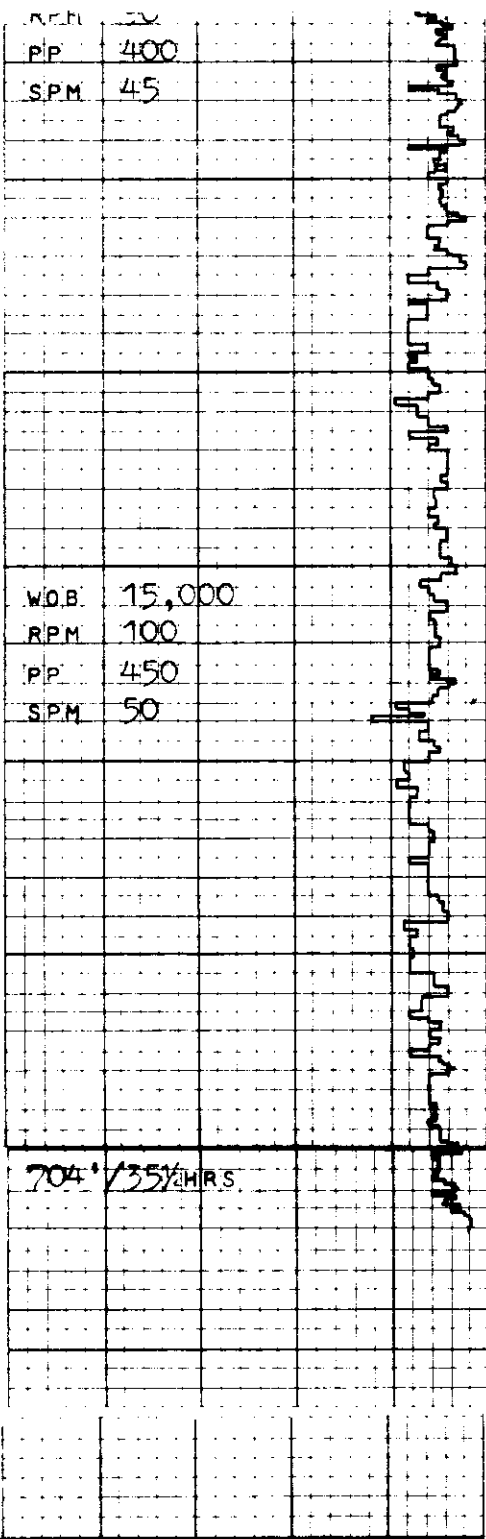
1900  
2000  
2100  
2200  
2300  
2400  
2500

GRY, SUC, RD  
CHROM=100% C1  
TU, MD, GRY, SPMLD, LTHC,  
CALC, W/BAS FRAGS, SOME  
BRK RD CINDER FRGS,  
CLY, MD-LT GRY, VSFT & SO,  
RARE PYR  
TU, MD-LT GRY, GRN-GRY,  
SPKLD, XL-LTHC, SL, CALC,  
FEW BRK RD CINDER FRGS  
TU, BRCCCTA, LT-DK GRY,  
GRN-GRY, RD-BRN, SPKLD,  
LTHC, FRM-HD, TR, CALC, V  
RARE PYR  
CHROM=100% C1  
TU, BRCCCTA, MD-DK GRY, D  
DK RD-BRN, GRN-GRY, LT  
GRY, TFCs, TR SEC CALC,  
V RARE CARBONIZED WOOD  
VOLCS, BAS, DK GRN-GRY,  
MOTTLD, HD, CHLOR ALT,  
TU, MD-LT GRY, SPKLD,  
LTHC, SFT-FRM, COM CALC,  
V RARE PYR  
CHROM=100% C1  
VOLCS, DK GRN-GRY, MD  
GRY, MOTTLD, SFT-HD,  
CHLOR ALT, COM BRK RD  
TU, COM CALC, V RARE PYR  
VOLCS, BAS, DK GRN-GRY,  
CHLOR ALT, FRM-HD, SFT,  
MD, GRN-GRY, LTHC, SFT,  
FRM, CALC, V RARE PYR  
CHROM=100% C1  
VLC SEDS, VGT, SUC APH,  
BRCTD, FRM-V HD  
LGG 15U; CHROM=100% C1  
VLCs/TFCs SEDS, SUC, BLK  
PRPL, GRN, VGT, SUC, BLK  
APH, W/CMD, OCC BRCTD,  
FRM, FRM-V HD, INTRST  
OZ, CALC, RD CNDRS, TR  
PYR  
TUF/VLC SEDS, MD-DK GRY,  
GRN, LT GRN, BRN, GRN,  
VGT, SUC, APH, CONS, FRM,  
HD, VLC FRGS, BLK, APH,  
V HD, CALC, OZ, SEAMS, TR  
PYR, OCC RD CNDRS  
CHROM=100% C1  
GRN, SUC, TFC, MD, MOD  
FRM-HD, CLY, WH, MD, GRY,  
GRN, SFT, MOD, SOL, TR, MG,  
NETITE XTS, TR, PYRICAL  
VLCs, GRN, ALT, MOD, FRM-FRM;  
SND, LT-MD GRN, VEN-FN,  
SBRD, MD, W/SBT, GRN,  
CLY, MEX, VGT, TUF, CALC  
CHROM=100% C1  
SND/SS, CLY, LT-MD GRN,  
OCC, W/CMD, LOOSE, VFN,  
FN, OCC, MD, W/SBT, TR,  
LT, DK GRN, DK RD, OK GRY,  
SUC, ALT, MD, FRM-FRM, CLY,  
WH, LT-MD GRN, MOD, SFT,  
SOL, TR, CALC, TR RD CNDRS,  
TR VLC GLAS  
CHROM=100% C1  
TUF, MD GRY-GRN, ALT, SUC,  
BLK INCLS, FRM, FRI, SND,  
CLR, VEN-MD CRs, OCC, IT,  
OCC, W/SBT, CLY, LT-MD  
GRY-GRN, MD, SFT, SOL, TR,  
WH MCA, TR PYR, TR CALC  
CHROM=100% C1  
TUF, MD GRY, SUC, AL, ALT,  
ANG INCLS, MD, SFT, FRM,  
CLY, MD, GRN, GRN, SFT, MD,  
SOL, TR, SND, CLR, ANG, UN,  
SRTD, TR, CALC, TR, PYR  
WHG 1U  
TUF/TFCs SLTSTN, LT-MD  
GRY, OCC, ANG INCLS, MD,  
FRM, OCC, ANG INCLS, MD,  
ANG, SRTD, TR, PYR,  
TFCs, MD, TR, CLY, LT-MD  
GRY, SFT, SOL, TR, CALC,  
SL, TR, WH MCA  
CHROM=100% C1  
TU/TFCs SLTSTN, MD-LT  
GRY, CALC, FRM, HD, TR,  
LT, GRY, V, SFT, V, SOL, TR,  
CLR, QTZ, SD, SBRND  
SLTSTN, MD-LT, DK GRY,  
TFCs, CALC, FRM, HD, V,  
RARE DISSEM PYR  
SLTSTN, MD GRY, TFCs,  
CALC, FRM-HD, TR, QTZ, SD,  
V RARE PYR  
CHROM=100% C1  
SLTSTN, DK GRY, TFCs, SL,  
FRM-HD, TR, CALC, V, R PYR  
SLTSTN, MD GRY, SOME

C=33u 44 VIS  
LAG 37MN 56 SPM  
100cc DUR 22MN  
W 9.6  
V 44  
W 9.6  
V 50  
LC-DRAIN PITS @  
2095'; PACK OFF;  
PUMP GEL PILL; PULL  
3 JTS; BLD VOL; ADD  
LCM; DRL AHEAD W/  
SL LOST CR.  
2'0' W 8.6  
V 42  
BIT TRIP; WORK ON  
SHEAVE BRGS; WOP;  
WAIT ON DP; TRIP TO  
3 JTS OFF BTM, PLG  
BIT; PULL 8 JTS, CLR  
BIT; RUN TO BTM  
C=27u 50 VIS  
LAG 35MN 52 SPM  
100cc DUR 14MN  
W 8.6  
V 52  
F 8.4  
FC 2/32  
PH 9.5  
S 600  
SD 3/4%  
SOL 3%

WIPE HOLE

W 9.1



SNUY, LT FCS, FRM-HD; GRN DK  
 RD-BRN CLY; TR CTZ ISD  
 TU/TFCS SLTSTN VLD  
 LT, MD, DK, GRY, SIL, SFT-  
 HD, RARE PYR  
 CHROM=100% C1 100 150 2  
 TU, LT GRN-GRY & DK GRY,  
 SFT-FRM; VOLCS, DK GRY,  
 APH, HD; RARE PYR, TR  
 CALC  
 TU, LT MD GRY, FRM-HD;  
 SLTSTN, MD, DK, GRY, GRN  
 ARG, SIL, FRM-HD, TR CALC  
 TUF, LT MD GRY-GRN OCC  
 BRCTD, OCC HOM, WL GMD  
 TR SLTSTN, MD, DK GRY,  
 FRM; TR CALC; PYR  
 CHROM=100% C1  
 TUF, MD GRY-GRN, DEV LT,  
 BLK INCLIS, OCC BRCTD,  
 MOD FRM; CLY, MD GRN  
 SFT/SIL; PYR; CALC; OCC  
 V HD VLC FRGS  
 WHG 2U  
 TUF, LT MD GRY-GRN, BRCT  
 ID, MD FRM-HD; SLTSTN, MD-  
 DK GRY-GRN, FRM-V HD/FRI;  
 TR CALC; TR PYR; SL TR  
 VLC BLAS  
 CHROM=100% C1  
 SND, TFCS, CLR, GRN, ALT,  
 VVEN-FN, SRDD, OCC IT  
 UNSRTD; TUF, MD, DK GRY  
 GRN, BRCTD, BLK ANG INC S,  
 FRM-HD; SLTSTN, TFCS, MD  
 DK GRY-GRN, FRM; ABNDNT  
 CALC; OCC BLK VLC FRGS;  
 TR PYR  
 TU, MD, DK GRY, SUCR, SFT-  
 HD; TR VEIN CALC; V RARE  
 PYR  
 TU, LT GRN-GRY & DK GRY,  
 SPKLD, SUCR, FRI; TR VEIN  
 CALC; RARE FN DISSEM PYR  
 CHROM=100% C1  
 TU, LT MD GRY, SPKLD, SFT-  
 FRM, SUCR, TR XIN  
 CALC  
 DRILLER'S TOTAL DEPTH: 2871'

WIPE HOLE

W 9.1  
 V 44  
 F 8.4  
 FC 2/32  
 PH 8.0  
 S 1000  
 SD 1/2%  
 SOL 6%

NO E-LOGS RUN