WELL OH #180-10

COMPANY OREGON NATURAL GAS DEVEL.

AREA WILT FIELD (NORTH)

LOCATION NW¼NW¼ AND 1,900'S OF NORTH BOUNDARY OF SEC 10, T5N, R1W, W.M.

COUNTY, STATE COLUMBIA COUNTY, OREGON

- WEGE -

WESTERN GEO-ENGINEERS

"SERVICE TO THE OIL AND GAS INDUSTRY"

LITHOLOGY SYMBOLS

Lst Dol Sdy Sh Arg Lgn Bent Salt Anhy Chert Coal Tuff

REMARKS

WELL ELEV. GL 804.07' KB 816.07'

SALINITY IN PPM CL-

FILTRATE IN CC OR ML

GAS TRAP ACTUAL TYPE

MUD CHEMICAL/INITIAL DESILTER/CLEANING SY

DRILLED WITH KB 45

CASING

P 5/8" TO 185'

" TO

" TO

LEGEND

MUD DATA
W WEIGHT
V VISCOSITY
WL WATER LOSS
FC FILTER CAKE
SD SAND IN

S SALINITY
R RESISTIVITY
PF FILTRATE RESISTIVITY

BIT DATA
NB NEW BIT
RRB RERUN BIT

CR CORE BBL
KCLN KNOX LINE CR

OTHER DATA
TG TRIP GAS
CG CONNECTION GAS
C CARBIDE GAS

CR CIRCULATE RETURNS
DST DRILL STEM TEST
[ ] DST INTERVAL
[ ] CORE INTERVAL

DATE 11/21/86 to 11/28/86 DEPTH 107' to 2805' ENGINEERS LANDIS OR MCGRATH

- WEGE -
WESTERN GEO-ENGINEERS

Drilling Rate In Feet/Hour
Bit Data

SAMPLE LITHOLOGY

DEPTH

OIL IN MUD or CUTTINGS Tr= Fair xx= Good xxx= VGS xxxx

MUD ANALYSIS
TOTAL DITCH GAS
PET. VAP.
BLENDER
10 20 30 40 50 75 100 125 150 175 200

CUTTING ANALYSIS
TOTAL GAS
PET. VAP.
25 50 75

REMARKS
Mud Log
Formation Tests
Core Analysis
Comp.
E-Logs

SPUD W/ GEL-WATER MUD W 8.5 V 40 DRL AHD W/ 12 3/4" BIT

W 8.6 V 45 S 300 WL 7.2ML CHKD

SEE 8 1/8" DIG & DRL'D OUT SHOE W/ 7 7/8" HUT SHOE BIT.

W 8.7 V 45 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000

TRIP TO UNPLUG JET

W 8.7 V 45 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

WIPE HOLE

W 9.0 V 47 S 500 WL 7.0ML

@1930' C=950 CA=0 Lag 0min Sho 10min 1000cc 58 SPM

W 9.1 V 45 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

WIPE HOLE

W 9.2 V 46 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 45 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 47 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 47 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.3 V 46 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.3 V 46 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 47 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 47 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 47 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.4 V 47 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.8 V 46 FC 2/32 PH 10.5 SD 2% SOL 8 S 9000 CHKD

W 9.8 V 50 CHKD

WIPE HOLE! RUN DRESSER

TOTAL DRILLERS DEPTH 2805'

LAG TIME 45 MIN

LOG BY WEGE

SEC 10, WILT FIELD (NORTH), COLUMBIA COUNTY, OREGON