Schlumberger

GEOFRAME
PROCESSED
INTERPRETATION

BorDip
4x2x60 With HandPick

2 & 5 Inch Display

*A Mark of Schlumberger

Using the following logs: FMS/FMI

COMPANY: NORTHWEST NATURAL GAS
WELL: IW-24BH-23-65
FIELD: MIST
COUNTY: COLUMBIA
STATE: OREGON
COUNTRY:
Date Logged: 20-JUN-2000 Date Processed: 30-JUN-2000
Well Location: 976.5' NORTH, 1256.3' EAST
FROM THE SW SECTION CORNOR

Elevations: KB: DF: 923ft GL: 905ft

API Number: 36-009-00351 Job Number:

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

Field Recording:	Location:	SACRAMENTO	Software Version:	9C1-303	Engineer:	M.KHAN
Office Recording:	ICS Center:	Bakersfield ICS	Baseline:		Log Analyst:	T.Quinlan

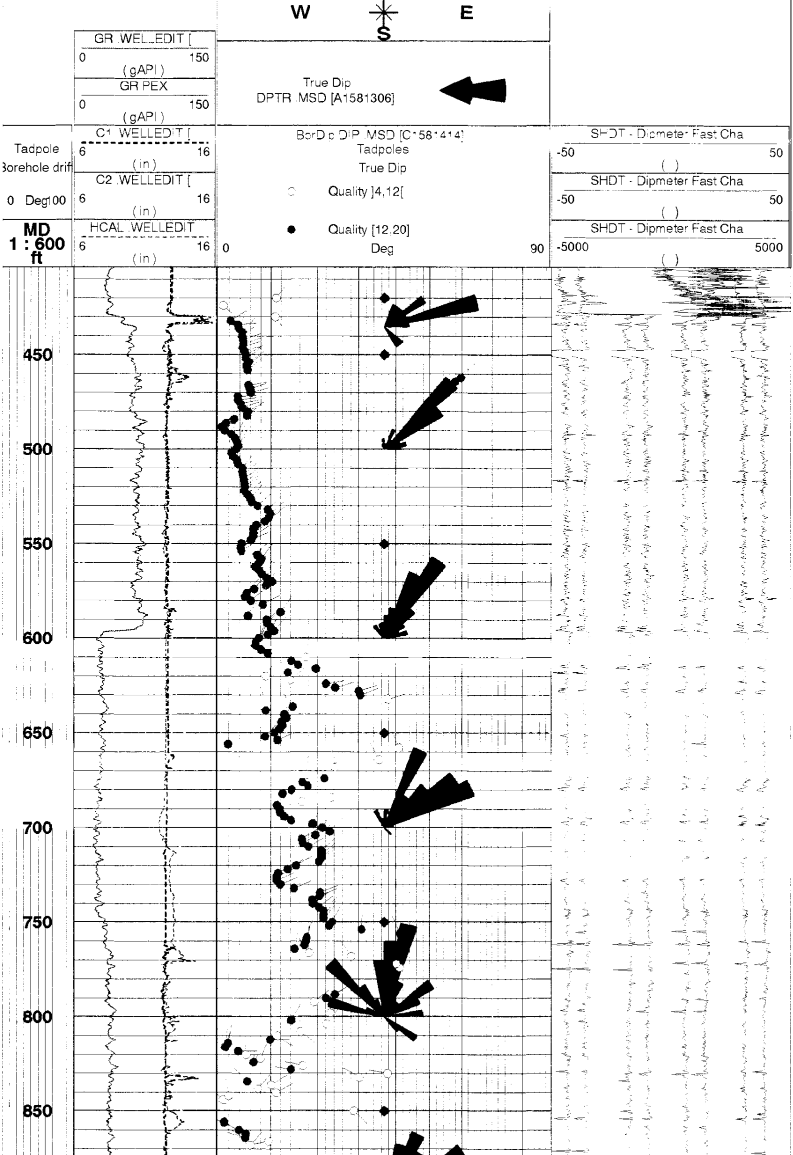
Mud and Borehole Measurements:

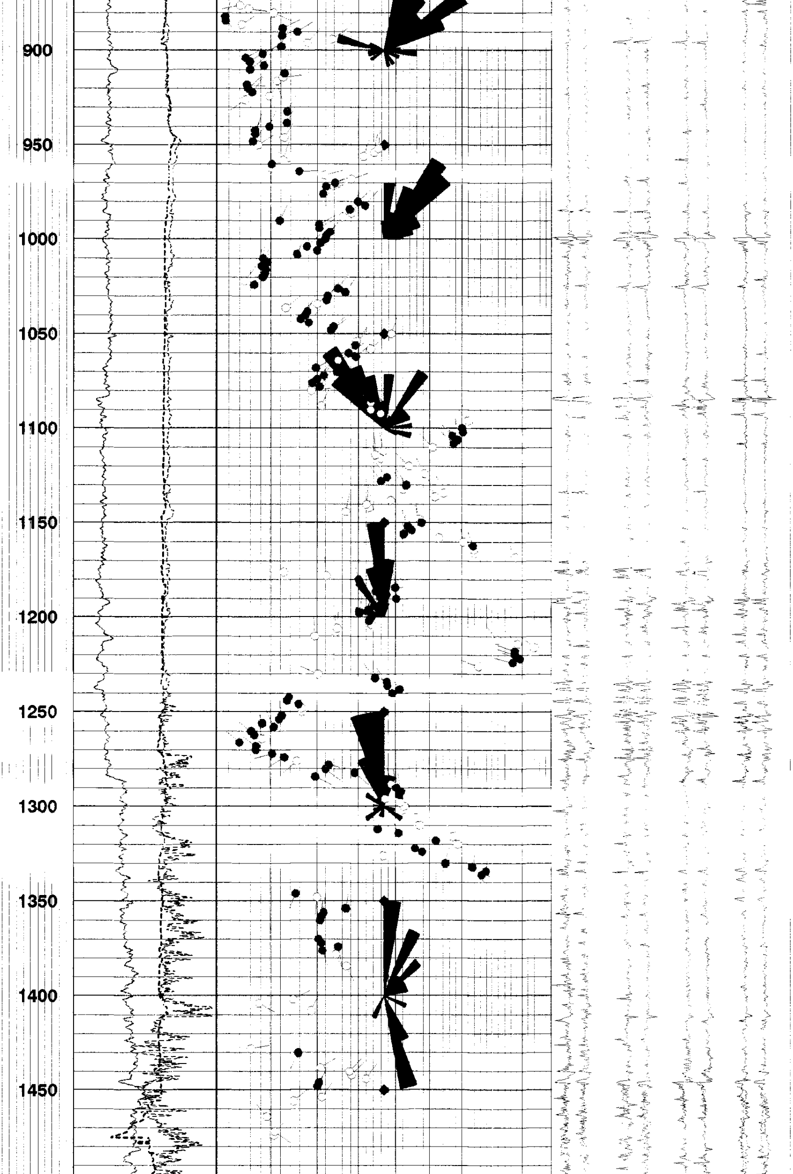
Rm @ Measured Temperature:	0.266ohm.m	@	58degF	BHT:	212degF	Bitsize:	7.875in
Rmf @ Measured Temperature:	0.281ohm.m	@	19degF	Type Fluid in Hole:		XCD/KCL	
Rmc @ Measured Temperature:	0.1454ohm.m	@	18degF	Mud Density:	8.6lbm/gal		

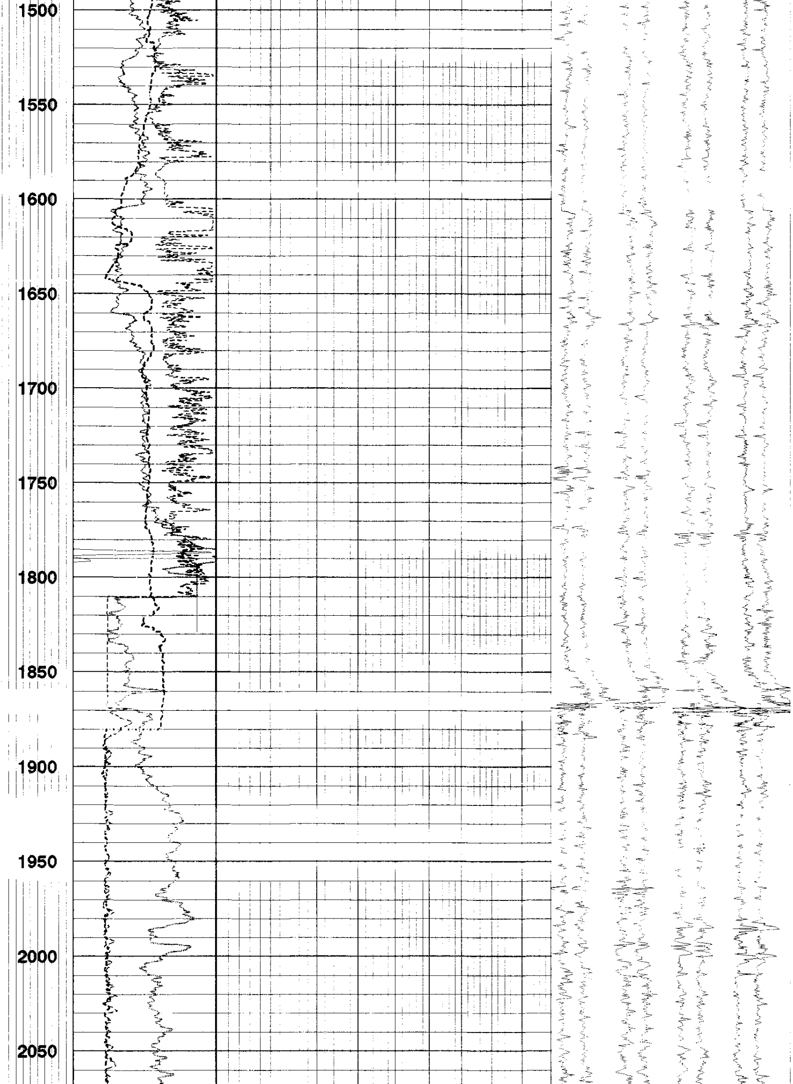
Remarks:

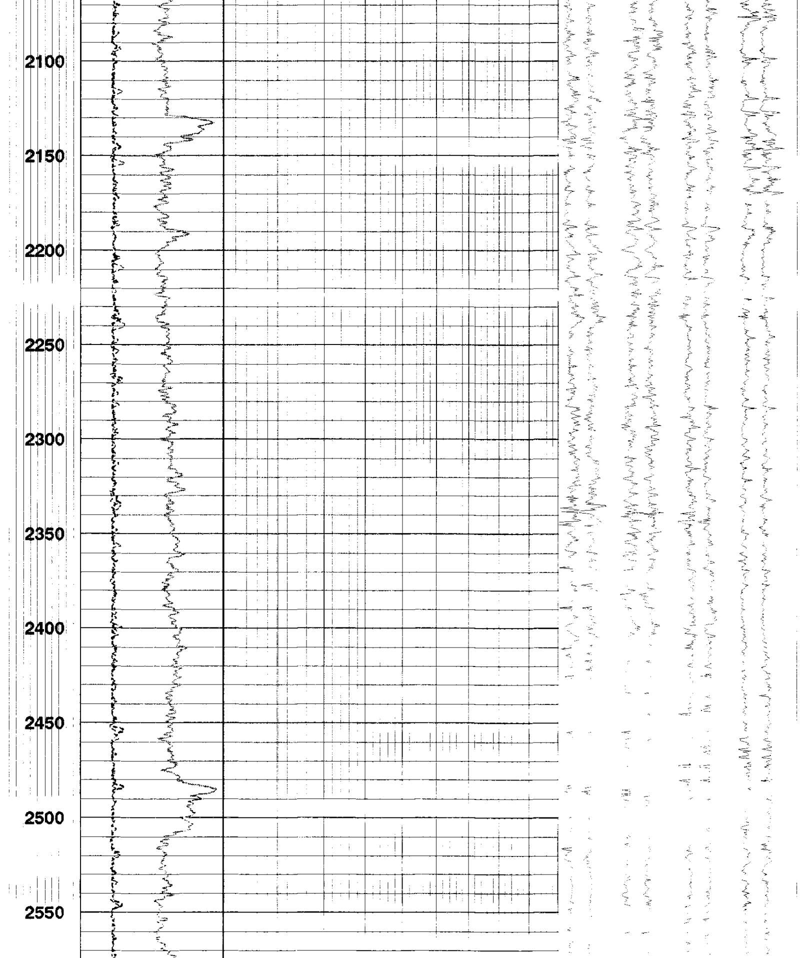
MAXIMUM HOLE DEVIATION: 92 DEG
LOGGED WITH TLC EQUIPMENT

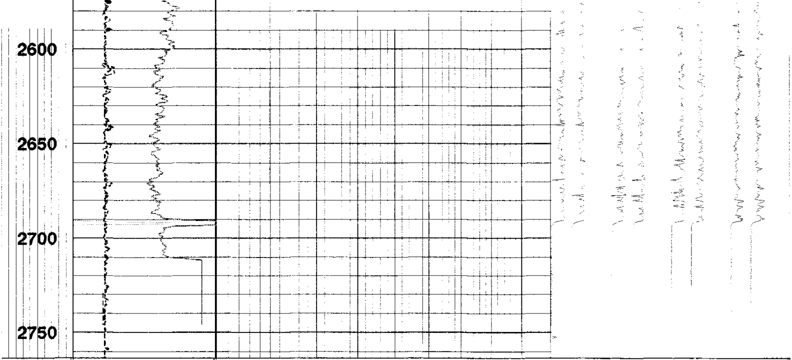
N











MD
1 : 600
ft

Tadpole
Borehole drif
0 Deg 100

HCAL .WELLEDIT
6 16
(in)

C2 .WELLEDIT [
6 16
(in)

C1 .WELLEDIT [
6 16
(in)

GR PEX
0 150
(gAPI)

GR .WELLEDIT [
0 150
(gAPI)

BorDip DIP .MSD [C1581414]
Tadpoles
True Dip
○ Quality]4,12[
● Quality [12,20]
0 Deg 90

N
W E
S

True Dip
DPTR .MSD [A1581306]

SHDT - Dipmeter Fast Cha
-5000 5000
( )

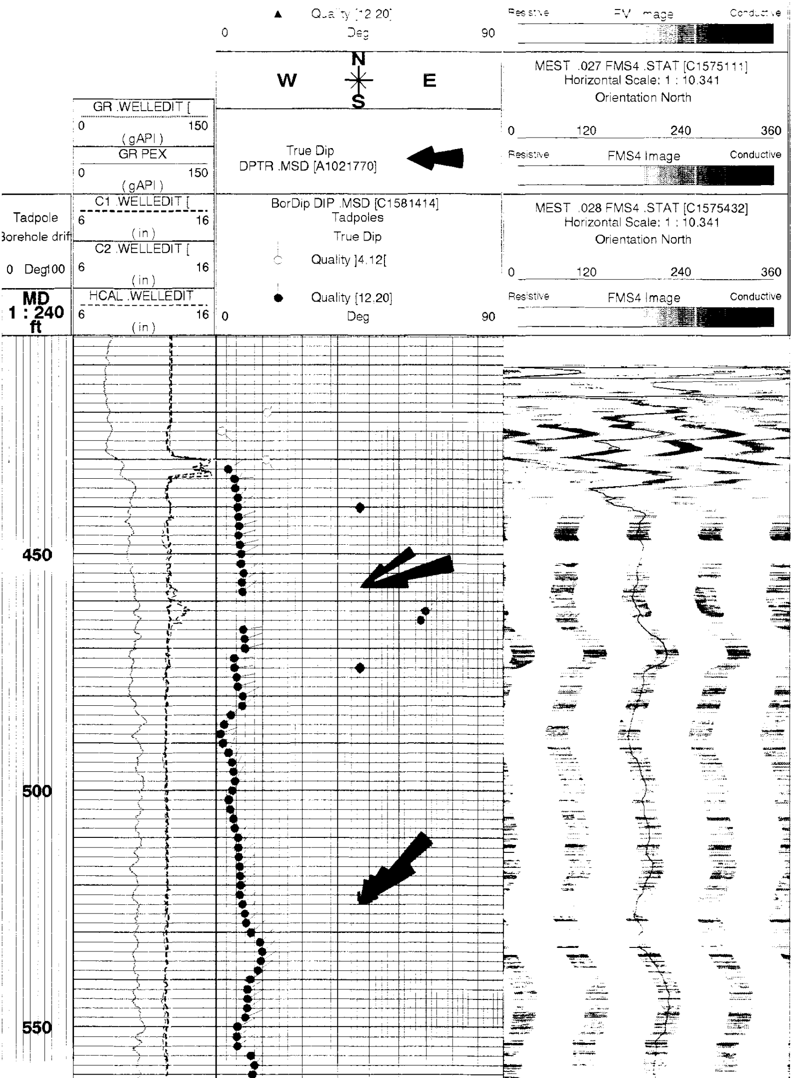
SHDT - Dipmeter Fast Cha
-50 50
( )

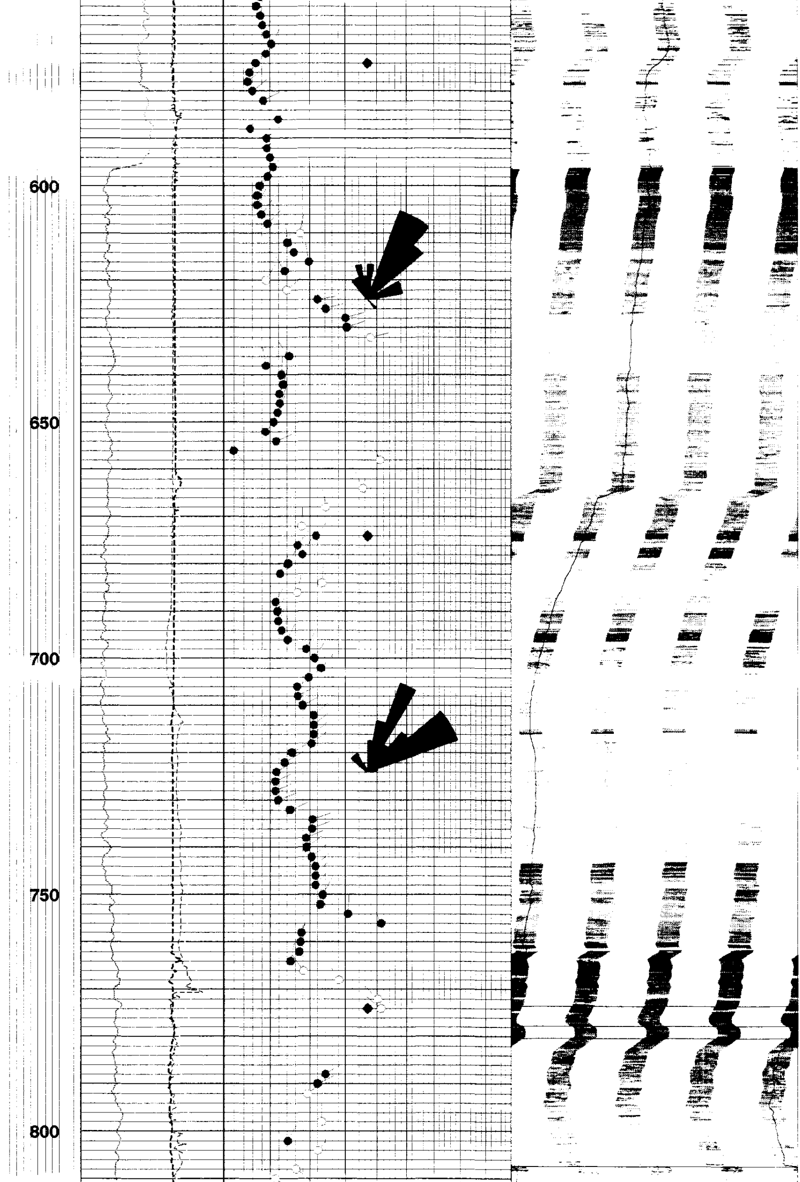
SHDT - Dipmeter Fast Cha
-50 50
( )

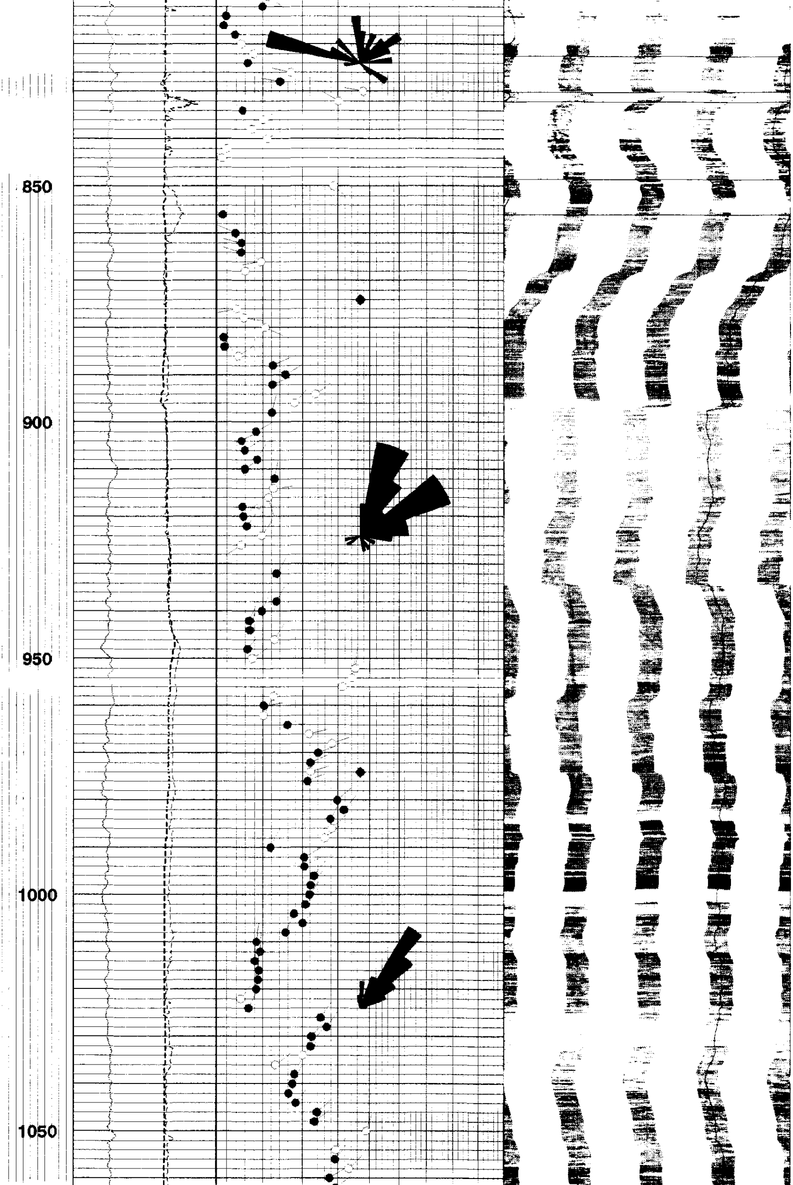
Bed Boundary DIP .VIEW [C16693[illegible]1]
Tadpoles
True Dip
△ Quality]4,12[
▲ Quality [12 20]
0 Deg 90

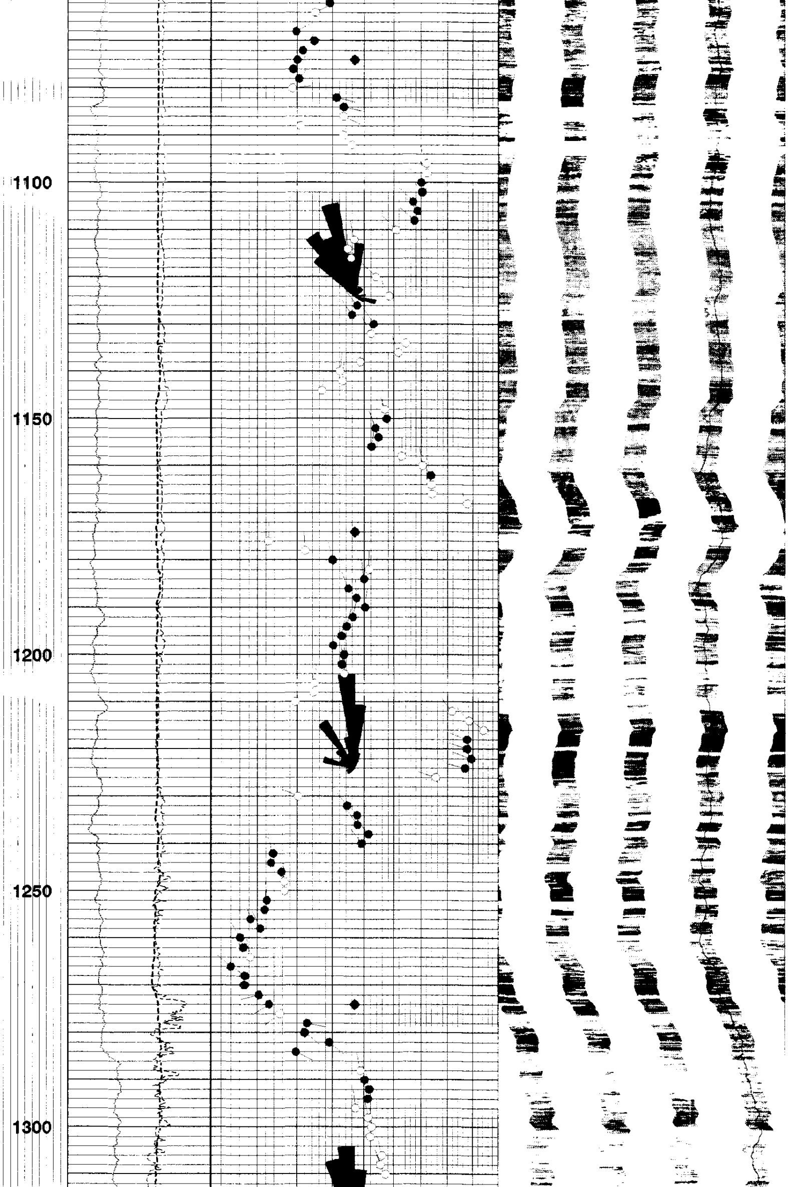
Bed Boundary DIP .VIEW [C1669103]
Tadpoles
True Dip
△ Quality]4.12[

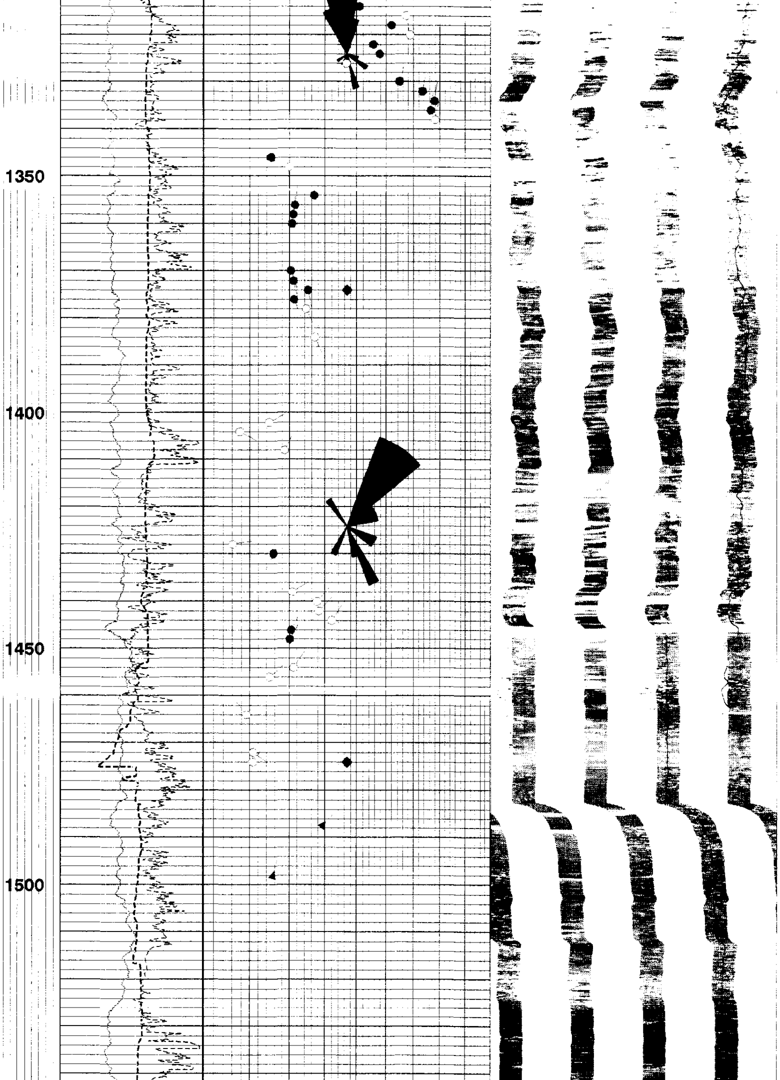
FBSTB .013 FMI .STAT [C1593895]
Horizontal Scale: 1 : 8.247
Orientation North
0 120 240 360

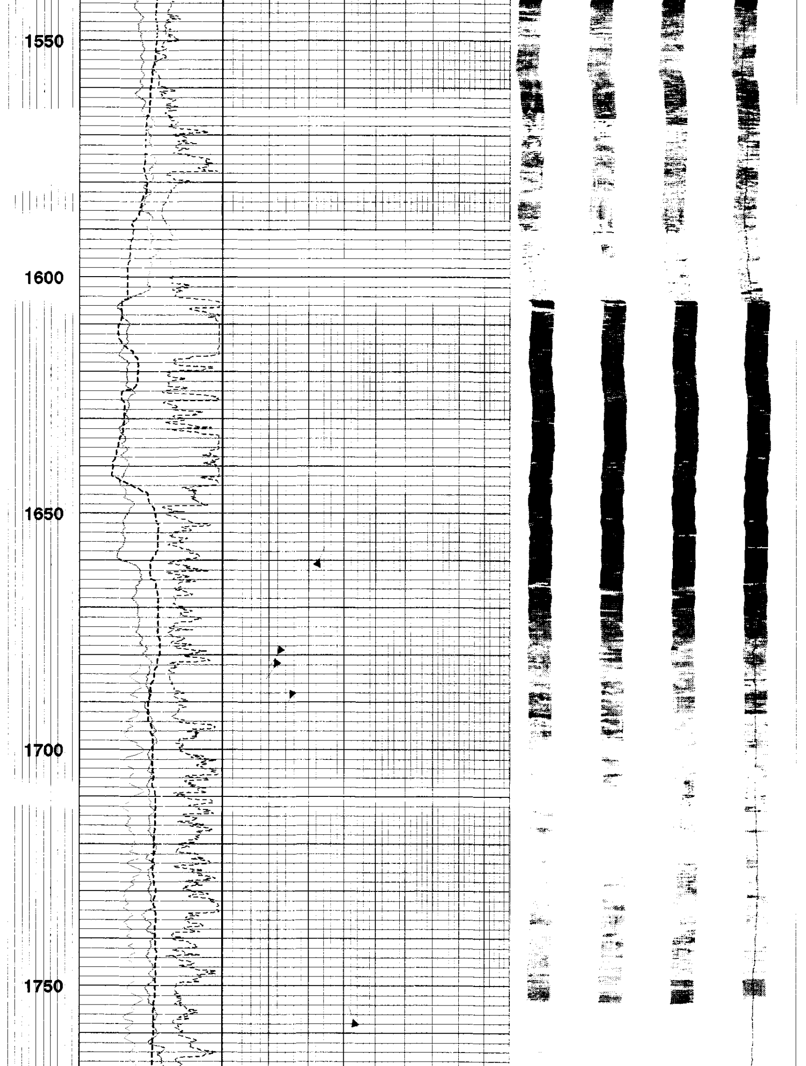


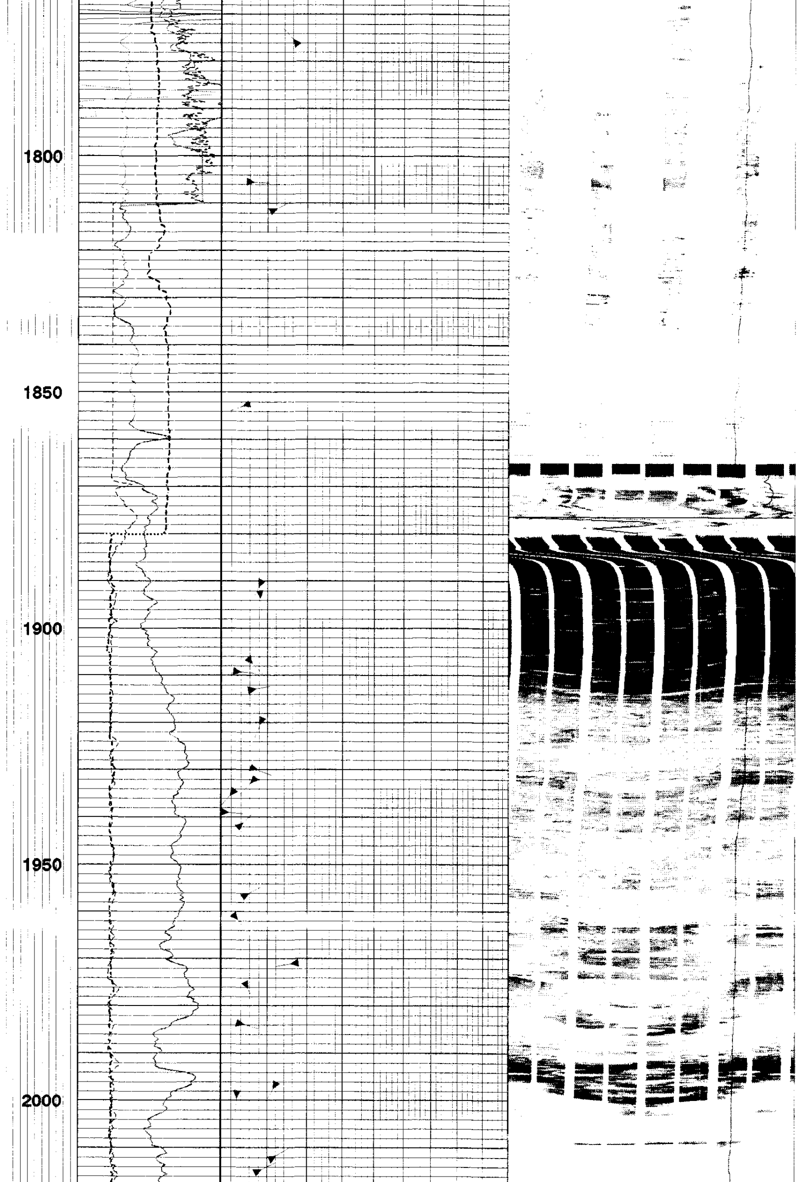


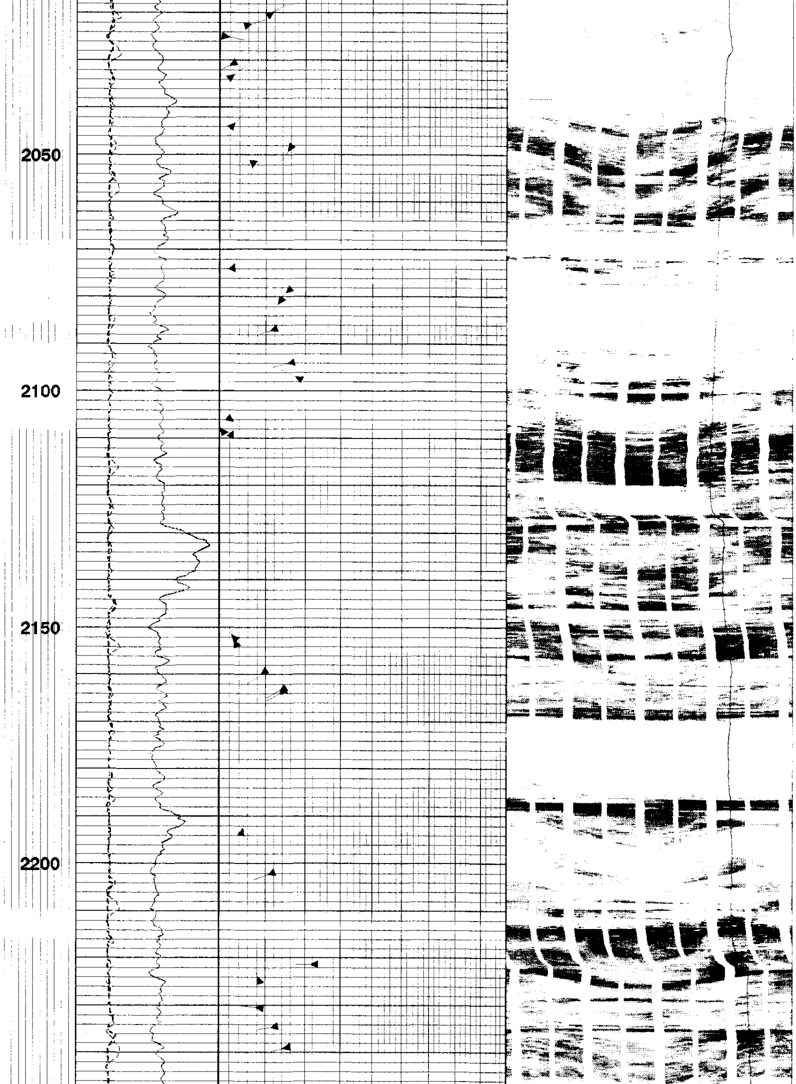


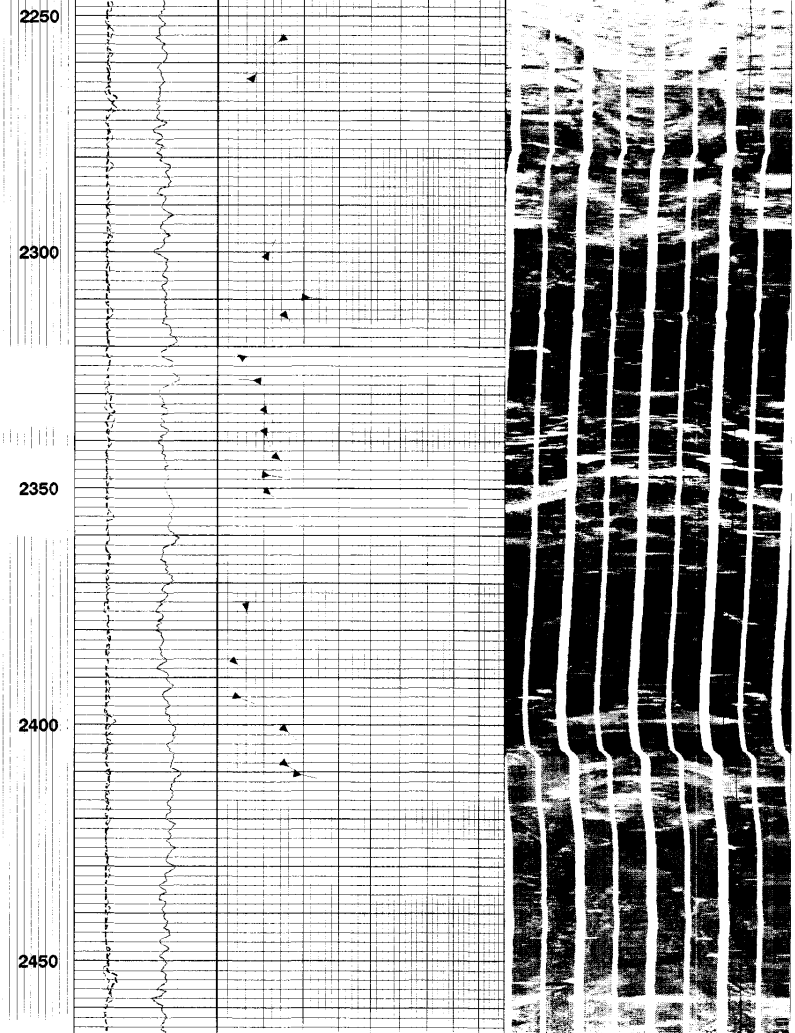


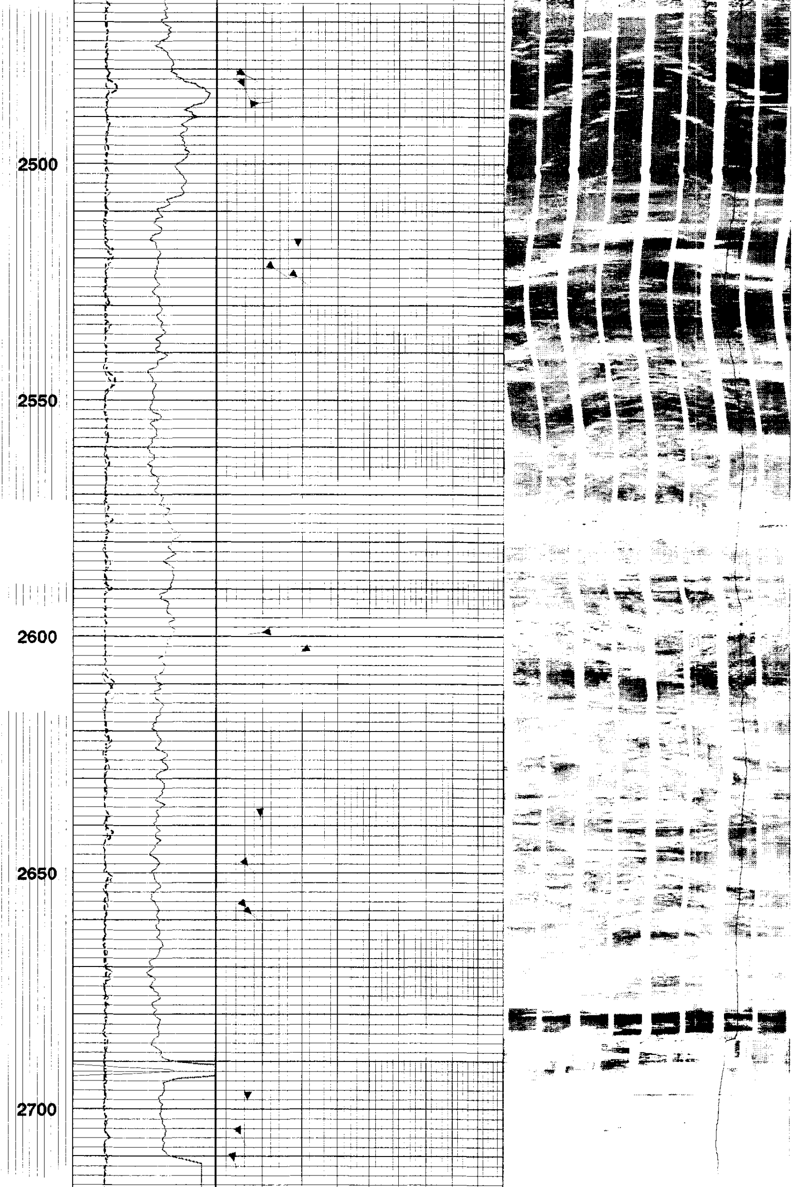


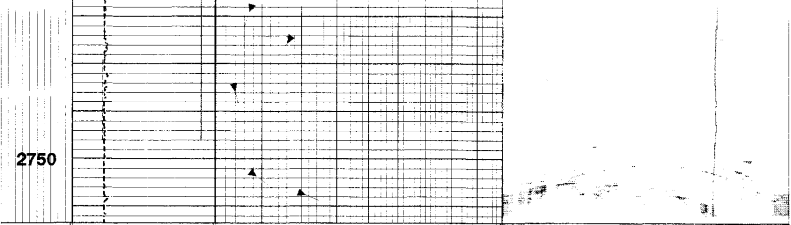












MD
1 : 240
ft

Tadpole
orehole drif
0 Deg100

HCAL .WELLEDIT
6 16
(in)

C2 .WELLEDIT [
6 16
(in)

C1 .WELLEDIT [
6 16
(in)

GR PEX
0 150
(gAPI)

GR .WELLEDIT [
0 150
(gAPI)

BorDip DIP .MSD [C1581414]
Tadpoles
True Dip
○ Quality]4,12[
● Quality [12,20]
0 Deg 90

N
W **E**
S

True Dip
DPTR .MSD [A1021770]

Bed Boundary DIP VIEW [C1669103]
Tadpoles
True Dip
△ Quality]4,12[
▲ Quality [12,20]
0 Deg 90

Bed Boundary DIP VIEW [C1669311]
Tadpoles
True Dip
△ Quality]4,12[
▲ Quality [12,20]
0 Deg 90

MEST .028 FMS4 .STAT [C1575432]
Horizontal Scale: 1 : 10.341
Orientation North
0 120 240 360
Resistive FMS4 Image Conductive

MEST .027 FMS4 .STAT [C1575111]
Horizontal Scale: 1 : 10.341
Orientation North
0 120 240 360
Resistive FMS4 Image Conductive

FBSTB .013 FMI .STAT [C1593895]
Horizontal Scale: 1 : 8.247
Orientation North
0 120 240 360
Resistive FMI Image Conductive

Schlumberger

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