

Schlumberger

GEOFRAME
PROCESSED
INTERPRETATION

Sonic Scanner

Anisotropy Advisor

Waveforms Processed in BestDT

1/4 Mark of Schlumberger

Using the following logs:

COMPANY: Yates Petroleum Corporation

WELL: Ojuate BQJ State Com #1H

FIELD: Wildcat

County: Lea

State: New Mexico

COUNTRY: United States

Date Logged: 12-May-2011

Date Processed: 17-May-2011

Well Location: 480 FSL & 1630 FVL

Elevations: KB: 3283.6 ft DF: 3282.6 ft GL: 3262 ft

API Number: 30-025-38497 Job Number:

Schlumberger

GEOFRAME
PROCESSED
INTERPRETATION

DSI

Anisotropy

5309 - 9266 ft

1/4 Mark of Schlumberger

Using the following logs:

COMPANY: Yates Petroleum Corporation

WELL: Dean APQ Federal #2H

FIELD: Wildcat

County: Lea

State: New Mexico

COUNTRY: United States

Date Logged: 10-Aug-2011

Date Processed: 16-Aug-2011

Well Location: 330 FSL & 1980 FVL

Elevations: KB: 3334.6 ft DF: 3333.6 ft GL: 3313 ft

API Number: 30-025-40089 Job Number: 61024-00118

Schlumberger

GEOFRAME
PROCESSED
INTERPRETATION

Dipole Sonic

Anisotropy Advisor

Waveforms processed in 4-Component Rotation

1/4 Mark of Schlumberger

Using the following logs:

COMPANY: Yates Petroleum Corporation

WELL: Renegade BPG Federal #1H

FIELD: Wildcat

County: Lea

State: New Mexico

COUNTRY: USA

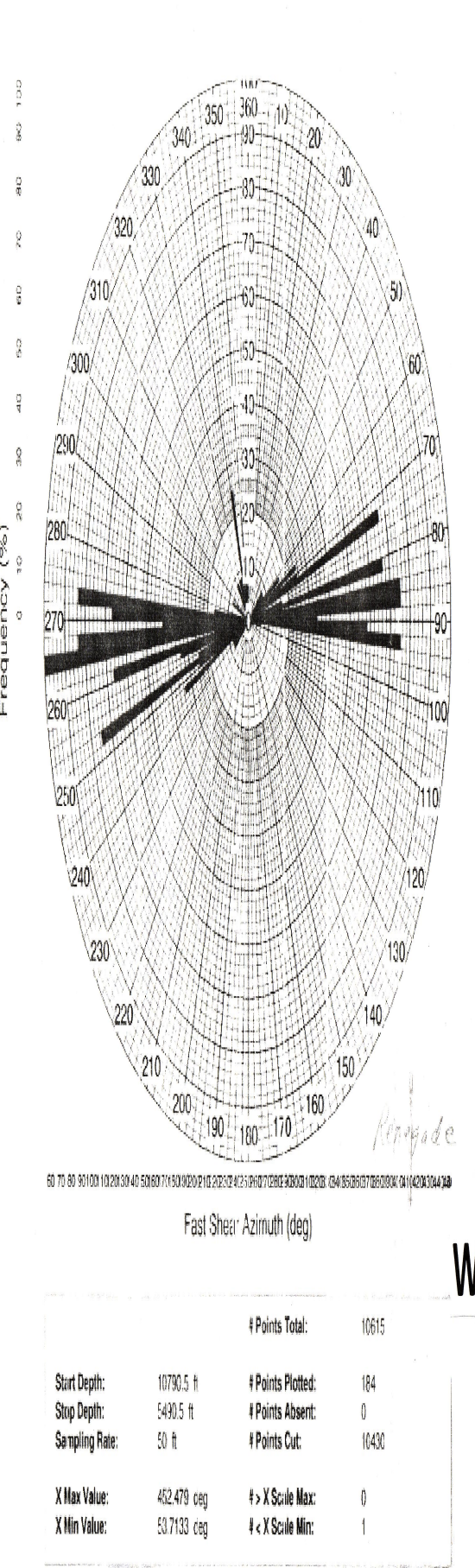
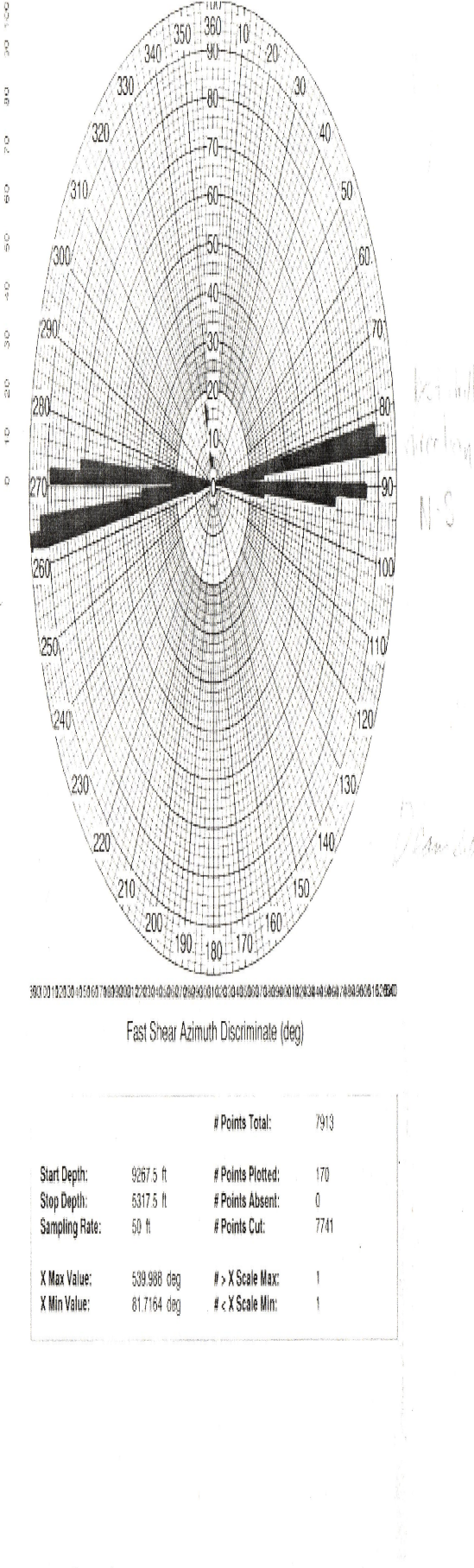
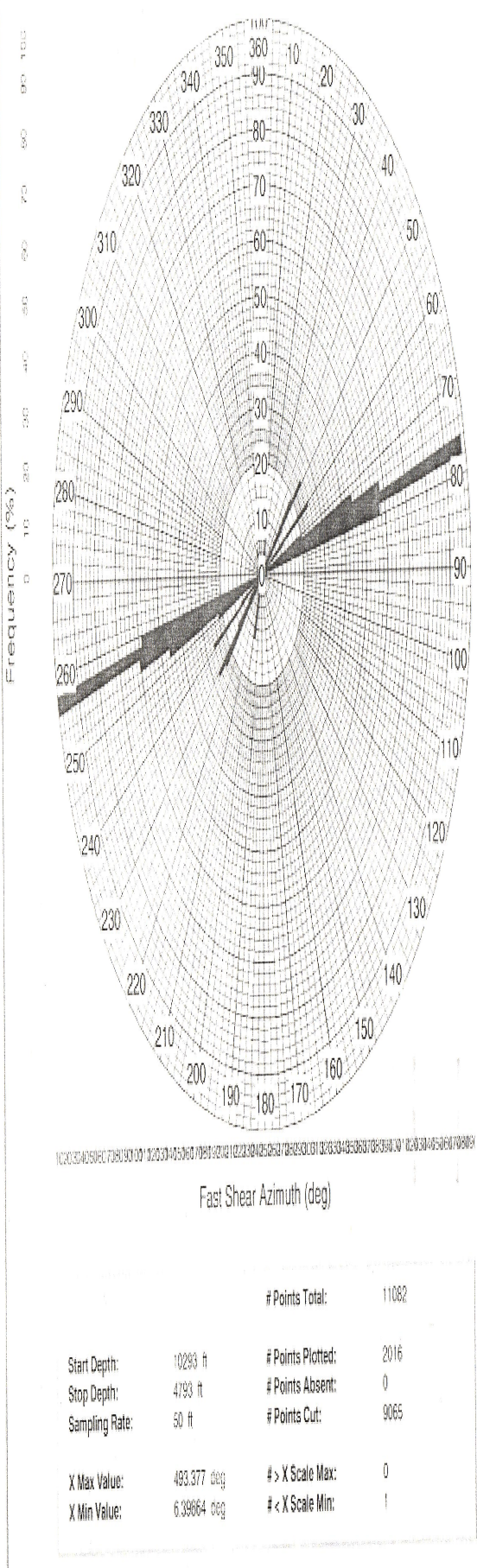
Date Logged: 6-Oct-2010

Date Processed: 11-Oct-2010

Well Location: 660 FVL & 330 FVL

Elevations: KB: 3287.5 ft DF: 3286.5 ft GL: 3261 ft

API Number: 30-025-38768 Job Number: 61003-00412



WEST to EAST CROSS-SECTION

Avalon Field- Bone Spring

Avalon Shale Reservoir;

Fracture Orientation Trends

Measured by Dipole Sonic Log Data

NMOC De Novo Hearing Exhibit# 8