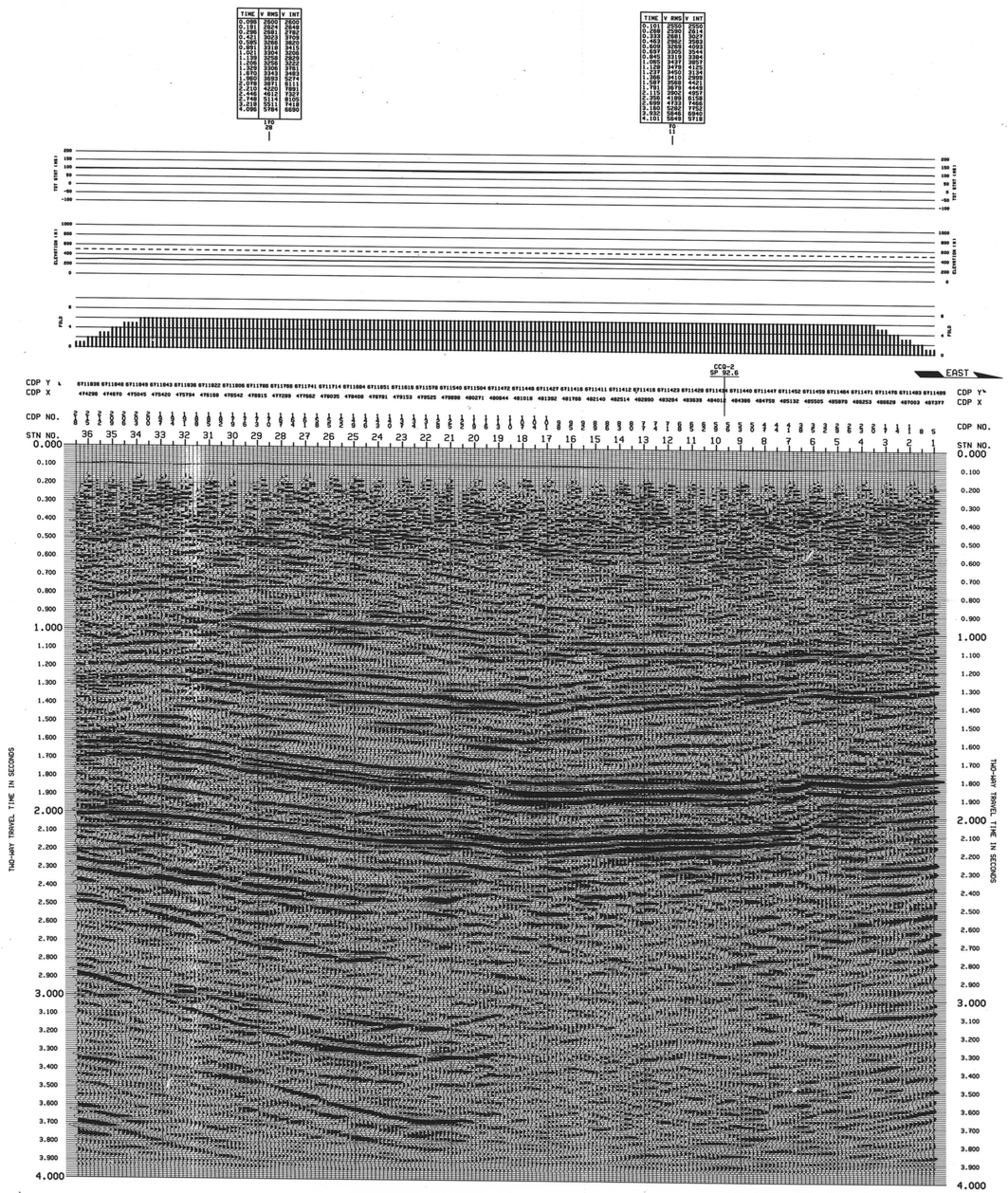



OCELOT ENERGY INC.

9227-022-1DA

AREA: FORT LIARD. NWT.

DMO MIGRATION STACK
FIELD POLARITY

LINE NAME: CCQ - 6
SHOT POINT: 1 - 37
LOCATION: SP 1 60.40 N 123.00 W
SP 37 60.40 N 123.15 W
DATUM: 500 meters
REPL. VEL.: 4000 meters\sec

EAST

PROCESSED BY:
Schlumberger
Geco-Prakla
GECO - PRAKLA
A DIVISION OF SCHLUMBERGER CANADA LTD

ACQUISITION

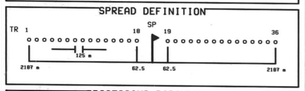
SHOT BY: n\a DATE: JAN 1988
SHOT FOR: PAN AMERICAN PETROLEUM CORP.

SOURCE DYNAMITE
CHARGE WEIGHT: Two Holes
CHARGE SIZE: 1.13 kg
AVG. HOLE DEPTH: 14.0 m
SOURCE INTERVAL: 37.5 m
SHOOTING DIRECTION: EAST TO WEST
COVERAGE: 600%

CABLE 36 CHANNELS
GEOPHONES PER GROUP: 12 SPLIT SPREAD
GEOPHONE SPACING: 10.67 m
GEOPHONE TYPE: L2-B - 14 Hz
STATION INTERVAL: 125 m

INSTRUMENTS
RECORDING INSTRUMENT: T-401
FORMAT: ANALOG
RECORD LENGTH: 5 sec
SAMPLE RATE: 2 ms
HIGH CUT FILTER: 270
LOW CUT FILTER: 3
NOTCH FILTER: n\a
GAIN SETTING: AVC

SPREAD DEFINITION




PROCESSING PARAMETERS

1 SEG-Y REFORMAT

2 TRUE AMPLITUDE RECOVERY

3 DECONVOLUTION - PREDICTIVE
OPERATOR LENGTH: 100 ms
LAG LENGTH.....: 12 ms
PREWHITENING...: 1.0 %
DESIGN WINDOW..: 500-3200 ms @ OFFSET 62 m
1000-3800 ms @ OFFSET 2200 m

4 TRACE EQUALIZATION - TIME WINDOW 2000 ms

5 STATICS - ELEVATION
STRUCTURAL DATUM....: 500 meters ASL
REPLACEMENT VELOCITY: 4000 m\s

6 CDP TRACE GATHER
- STRAIGHT LINE BINNING

7 VELOCITY ANALYSIS

8 NMO CORRECTION - FLOATING DATUM REFERENCED

9 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 850-2800 ms
CORRELATION LAG 24 ms

10 VELOCITY ANALYSIS

11 NMO CORRECTION - FLOATING DATUM REFERENCED

12 AUTOMATIC RESIDUAL STATICS - SURFACE CONSISTENT
WINDOW 500-2800 ms
CORRELATION LAG 12 ms

13 COMMON OFFSET F-K DMO

14 VELOCITY ANALYSIS

15 FRONT MUTE
AUTOMATIC STRETCH MUTE
MAXIMUM STRETCH ALLOWED - 35%

16 TRIM STATICS
WINDOW 500-2800 ms
CORRELATION LAG 5 ms

17 CDP STACK - 6 FOLD

18 STEEP DIP FINITE DIFFERENCE MIGRATION
85 % OF STACKING VELOCITIES
90 DEGREE ANGLE

19 FILTER - 10\15 - 75\85 Hz

20 TRACE EQUALIZATION - WINDOWS: 0 - 500 ms
300 - 800 ms
600 - 1200 ms
850 - 1500 ms
1600 - 4000 ms

COMMENTS

FILM DISPLAY - 3.75 inches\sec 12 Traces\inch

DATE: JUNE 1995

terra survey ltd.
2050 Walkley Rd. Ottawa Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Fax. (613) 731-0453

PROJ. NO. 9227-022-1DA

LINE NO. CCQ-6

PART NO. 1 OF 1

R.R. 8X