EASYLINK MBX 711067A001 20MAR84 06:33/18:39 EST VIA: 750203

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VIA WUI LNDMARK HOU UD 71491Z VAAFN N 12,29

R029

TLX NO 6419 MAR 20/84 EM/EN

ATT: VICE PRES. EBB PYE

THIS TO INFORM YOUR THAT THE FOLLOWING PEOPLE WILL ARRIVE HOUSTON MARCH 25TH TO TAKE PART INN YOUR TRAINING AS AGREED, ELDAR MATHISEN SALES TRAINING TERRY BRINKWORTH '' HOWARD ALEXANDER '' KJELL NONSTAD FIELD SERVICE

HOPE THIS IS OK, WE HAVE ARRANGED ACCOMODATION ETC. OURSELVES.

LOOKING FORWARD TO SEE YOU.

BEST REGARDS SYSSCAN A.S. ELDAR MATHISEN

LNDMARK HOU UD 71491Z VAAPN N++++ REFLY VIA MCI/WUI - 101

COURSE OUTLINE

OUTLINE LANDMARK SCHOOL ON SYSTEM TRAINING 26 - 30 March, 1984

DAY	SESSION	SUBJECT	TOPIC	OBJECTIVE
M	1	Overview	Introduction	Define what will be covered. Define what will be delivered.
		Overview	Hardware Software	Define hardware architecture. Define software architecture: -BCM -DM -3DI
				Distribute manuals and review.
		Handout:	Course Outline	
Μ	2	Operating System Handout:	MSDOS MSDOS Users Guide	Introduce key O.S. features: -Directory -Directory Structure -RMDIR -Files -Type -Print -Date -Time -Make Directory -Change Directory -Tree -Space -BAT Files -Copy -Delete -Check Disk
М	3	Operating System	MSDOS	Workshop to ensure comprehension.
		Handout:	Workshop # 1	
M	4	Text Edito	or VEDIT	Exercise to practice VEDIT and how to use the keyboard.
				Introduction to text editor.
				Workshop to ensure comprehension.
		Handout: Homework:	VEDIT Operation In Workshop # 2 Landmark Users Man Read Chapters 1 a	struction ual nd 2 of Users Manual



DAY	SESSIO	N SUBJECT	TOPIC	OBJECTIVE
т	1	Introduction	of Terms	Introduce the philosophy.
		System Use	Grid, X,Y	Defining the project grid.
			Hardware Operation	Confirm that everyone can power up the system.
				SEG Dump
				T Dump
			Tape dump lab	Ensure all participants can dump a tape.
			Project Creation	Lab for everyone to practice project creation.
Т	2	BCM	Primitives	Introduce the processing primitives.
т	3	всм	VEDIT exercises	Each participant to set up BCM jobs.
			Scaling data	Participants to process a sample line, and determine the correct gain.
		Handout: Wo:	rkshop # 3	
T	4	BCM	Load first line	Participants to load the first line in the sample survey and display it to check the gain.
		3DI	Set Parameters	Partipants to demonstrate setting up the Master Grid, a specific Working Set, and Display Scales.
			Display Seismic	Participants to display the section loaded and check the scale with the color marker.
		BCM	Load remainder of data	Participants to start the batch job to load remainder of the data.
		Homework: Re	ad INPUT, STATS,	, SCALE, DISKOUT, TIMSLC



DAY	SESSION	SUBJECT	TOPIC	OBJECTIVE
+ W	1	всм	Data Loading	Continuation of data loading, including using BCM to load specific time window, change direction of lines, etc.
W	2	Disk Space	Data Management	Motivate users to properly use the disk space, introduce the tools, and have a lab to save the data that has been loaded.
W	3	BCM	Time slice	Participants to set up and sort out a specific set of horizontal sections.
			Attributes Analysis	Description of the process of doing seismic trace attribute analysis on the workstation.
W	4	3D Interpretatio	Create on Animation	Participants to create a set of animation files and review them.



DAY	SESSION	SUBJECT	TOPIC	OBJECTIVE
T	1	3D Interpretatio	+ Seismic Display on	Detailed explanation of -Frame Control -Color Select -Zoom and Pan -Digitizing Options
т	2	3D Interpretatio	Digitizing on	Lab for participants to each demonstrate -Frame Control -Color Select -Zoom and Pan -Digitizing Options
T	3	3D Interpretatio	Digitizing on	Participants to digitize multiple horizons and faults.
т	4	3D Interpretatio	Horizon Display on	Demonstrate Display options working with the different horizon files picked to date.



DAY	SESSION	SUBJECT	TOPIC	OBJECTIVE
F	1	3D Interpretatio	Horizon on Computations	Explain the options available and give examples of how these can help extract geologic information.
F	2	3D Interpretatio	Horizon on Computations	Lab calculating and displaying different horizon computation options.
F	3	3D Interpretatio	Review on	Open discussion to discuss different interpretation procedures.
F	4	Summary		Review of what was covered, and the objectives of each session during the week. Review of shipping date, how participants should go about training fellow employees on using the system, etc. Question and answer period.
	e. 1	Evaluation		Filling out of the evaluation form by each participant.



MATERIALS TO PARTICIPANTS

Course Outline MS.DOS User's Guide VEDIT Operational Instruction Landmark Users Manual Workshop #1: MS.DOS Practice Session Workshop #2: Files to build with VEDIT Workshop #3: SALNOR data configuration





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MAIN MENU

Set parameters. Access BCM. Create animation. Seismic display. Digitizing. Horizon computations. Horizon display.



WORKSHOP 1: MSDOS COMMANDS

OBJECTIVE: Provide hands-on experience working the key MSDOS operating system commands.

Please do the following:

- Create a directory on logical drive A: using your surname for the directory. Change the default directory to this directory.
- 2. Create a subdirectory in this directory using your given name for the sub directory.
- Copy file SALNORL.PCF and SALNORL2.PCF from C:\Class to your directory.
- 4. Type the contents of the two files.
- 5. Rename SALNORL.PCF to SALNOR11.PCF.
- 6. Copy SALNOR11.PCF to SALNOR12A.PCF in your directory.
- Do a directory listing and then type the contents of the files that are in your directory.
- 8. Delete SALNOR12.PCF, and copy original SALNOR12.PCF from C:.
- 9. Print both files with one command using wild cards.
- Delete all files from your directory and remove the directory.

WORKSHOP 2: VEDIT

VEDIT is a full-screen editor especially suited for preparation of text files required as input by LANDMARK programs. For example the Batch Control Monitor (BCM) requires a text file as input which can be typed using VEDIT.

Running VEDIT

To edit a text file, type:

VEDIT file name <CR>.

If the named file exists, the first page will be displayed on the screen; if it does not you will be presented with a blank screen. In any case you may now enter text from the keyboard.

Function Keys

Entering text originally is largely a matter of typing it in. If, however, the file has errors that need correction, VEDIT has a lot of functions that can be used to shorten editing time. The most commonly used functions have been assigned to function keys so that very often one key push accomplishes a lot of work. Since the IBM PC and workstation keyboards are different, the two sheets attached may be used to enter text on one system or the other.

Leaving VEDIT and saving your file

To leave VEDIT, press the key labelled 'ESC' twice. You will see an asterisk in the lower left corner of the screen where the cursor is. To keep the file, type EX<CR>; the file will be saved and you will be back at the operating system prompt. To quit without saving the file type EQ<CR>. Visual Mode

Block Move - Register Fl Block Copy - Register Register - Cursor F2 F3 End of line F4 Previous Word F5 F6 Next Word DEL Char [you are on] DEL Word [forward] F7 F8 F9 DEL Line F10 Visual Escape

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<ESC> R - Replace <ESC> F - Find

Command Mode

H Ret - Help V Ret - Visual

PC

WS

1.	Top of Doc	-F1
2.	Bottom of Doc	-F2
3.	Page Up	-F3
4.	Page Down	-F4
5.	End of line	-F5
6.	Previous Word	-F6
7.	Next Word	-F7
8.	Copy block to Register	-F8
9.	Move block to Register	-F9
10.	Move/Copy Register to	-F10
11.	Switch Insert Mode	-F11
12.	Delete Next Word	-F12
13.	Delete Previous Word	-F13
14.	Delete Line	-F14
15.	Erase To End-Of-Line	-F15
16.	Visual Escape	-F16
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WORKSHOP 3: LOADING SEG-Y SEISMIC DATA

OBJECTIVE: Provide hands-on experience loading seismic data.

Please do the following:

- Review the attached map and recording information and determine the x,y grid.
- 2. Create a project on the workstation called CLASS.
- 3. Do a SEG dump of the first 10 blocks on the seismic tape.
- 4. Do a T Dump of the first 10 blocks on the seismic tape.
- 5. Scale the data and set up a BCM job to load line 30 from the data set.
- 6. Load the data tape and start the job.
- Get into the Interactive 3D Interpretation software package, enter the Set Parameters option, Master Grid suboption, and set up the master grid for the SALNOR data set.
- Move through the menu tree to Display Seismic, type in the file, pick the proper vertical section to display, and evaluate the scaling with the color marker.
- 9. Set up BCM files to load the next 3 lines of seismic data, submit, and check by displaying the seismic.
- 10. Check the scaling, set up a BCM files to load line 1 of the SALNOR data set, and check by displaying the seismic.



SALNOR-7

nodel Description:	
General	7 LAYER NORTH SEA MODEL
Structure	7 NORMAL, 2 STRIKESLIP FAULT BLKS
Stratigraphy	DIPPING LYRS PINCH UNCONFORMITY
Rock Components	SANDSTONE/SHALE SEQUENCE
Model Materials	3120,184 & ALTERNATING 3110-3120
Acquisition Parameters:	
Data Acquisition Scheme	CSR
Depth to Top of Model	5000
Depth to Base of Model	9250
Near or Constant Source/Receiver Offs	set 600
Date	82-04-15
Physical Set Up:	
Source Type	LC-10
Receiver Type	LC-5-2
Source Plotter	2
Receiver Plotter	2
Geometry:	
Distance Measurement Units	F
Line Spacing X,Y,Z	100,0,0
Source Spacing X,Y,Z	0,100,0
Receiver Spacing X,Y,Z	0,100,0
CMP Spacing X,Y,Z	0,100,0
Trace Spacing X,Y,Z	0,100,0
Acquisition:	
Number of Data Sets	. 1
Number of Lines/Data Set	240
Number of Source Positions/Data Set	57600
Number of Receiver Postions/Data Set	57600
Number of CMP/Data Set	57600
Number of Traces/Data Set	57600
Number of Source Positions/Line	240
Number of Receiver Positions/Line	240
Number of CMP/Line	240
Number of Traces/Line	240
Max Number of Source/Receiver Position	ns/CMP 1
Max Number of Traces/CMP [CMP-Fold]	1

Instrument Set Up:

Energy Level	4
Input Sensitivity	1
Biomation Delay (ms)	750
Instrument Delay (ms)	90
Sample Interval (ms)	1
Total Trace Length (ms)	3000
Low Cut Recording Filter (Hz)	4
High Cut Recording Filter (Hz)	56
Preamp Gain (db)	60
Wavelet	I-3-18-81
Tape Parameters:	
	23200

Data Type	RAW
Density	1600
Data Format	16
Number of Tapes	12
Tape Size	2400
Time of First Sample on Tape (ms)	660

Comments:

(XR, YR) CAN BE READ FROM HEADER; XS=XR+600, YS=YR.

Above listed data is a complete list of all data available on this model.



SALNOR-7 line 120