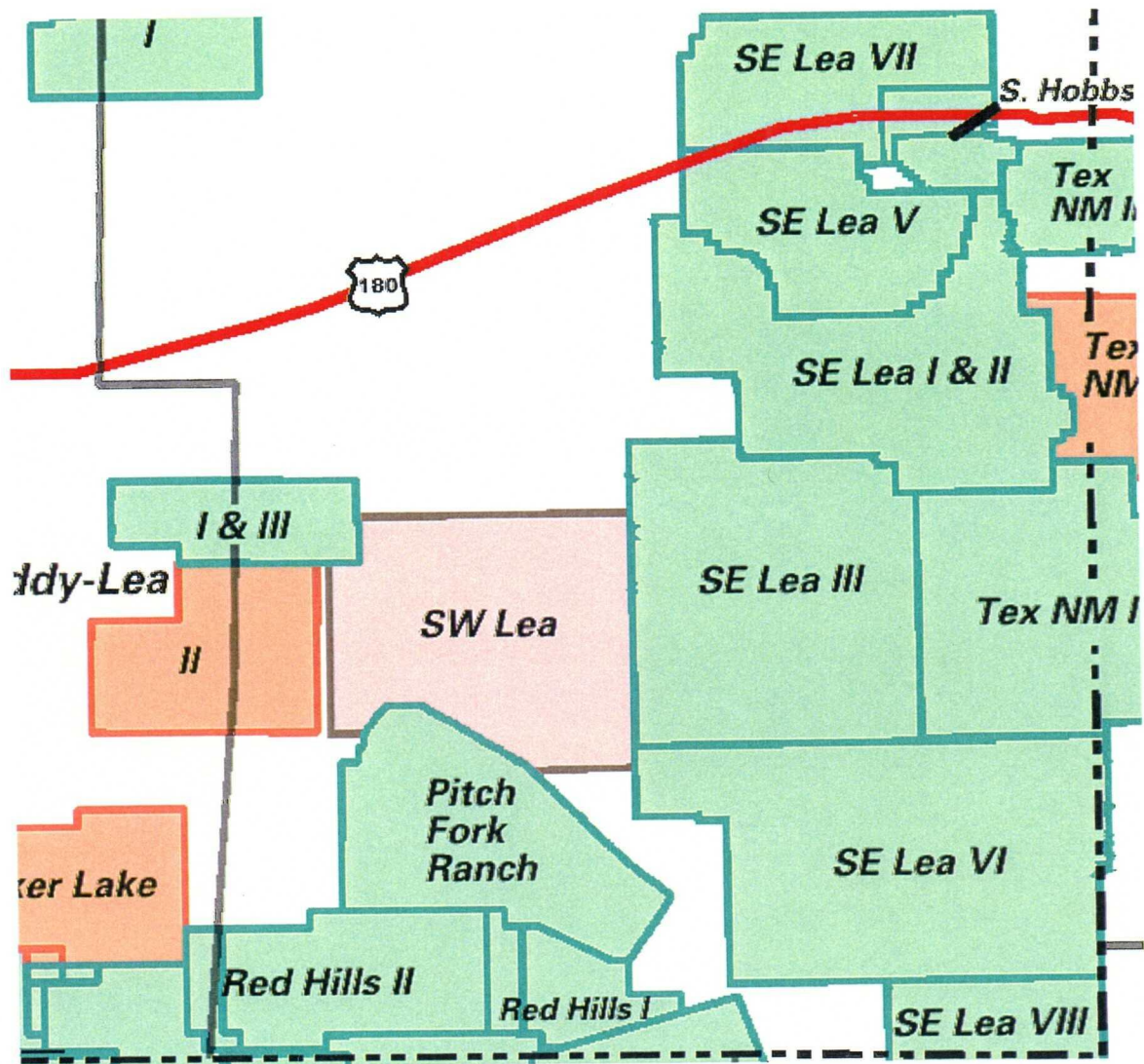




Prospect: SW Lea Phase I 3D Survey
 Design: A1
 Client: Western Geophysical Spec
 Area: Lea County, New Mexico

Detector Line Interval: 100 Feet
 Detector Group Interval: 220 Feet
 Detectors Per Square Mile: 120
 Source Line Interval: 1300 Feet
 Source Group Interval: 2500 Feet
 Sources Per Square Mile: 98
 Recording Geometry: 3 Line Roll
 12 Lines of 182 Channels
 (184 Total Channels)

Bin Size: 110 X 110 Feet
 Fold Attributes:
 81 Fold At All Offsets
 7 - 10 Fold Limited to 4000 Feet
 29 - 33 Fold Limited to 8000 Feet
 44 - 60 Fold Limited to 10000 Feet
 64 - 68 Fold Limited to 15000 Feet
 73 - 77 Fold Limited to 17000 Feet
 Surface Area of Survey - 172,381 Sq. MI.

Outline of Survey
 November 27, 2000

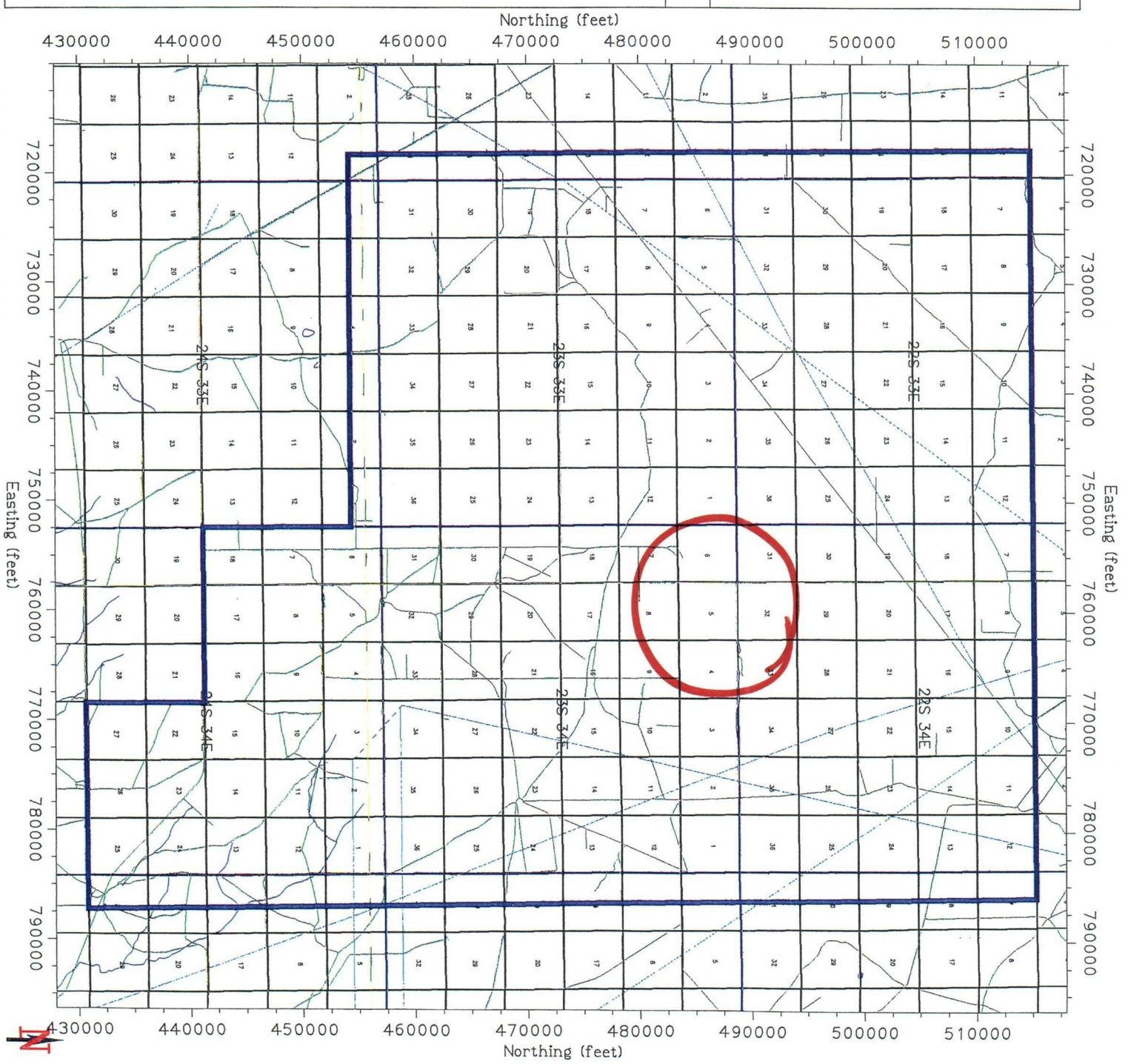
Cell Size:
 1100 X 1100 ft
 Blining Method: CMP

- Boundary
- Highways & Roads
- Misc. Transportation
- Railroads
- Rivers & Lakes
- Section Line
- Township Line

Design Compliments of



Western Geophysical



~~S.W. Lea-I~~

Weekly Update Summary

07/19/01

Production to date: 8.327 sq miles

Survey to date: 59% complete

Permits: We have a few outstanding, but the project is close to being 100% complete.

Comments: ~~Production began on Friday July 13th~~. After sweep tests we chose to use the following sweep effort: 8 – 100 Hz, 3db/octave, 10 seconds sweep with 4 seconds listen

Primary pattern is 5 vibrators with 6 sweeps

Secondary pattern is 4 vibrators with 10 sweeps

Lightning has shut us down early several days this first week.

Have a great weekend.

Regards, Martha

S.W. Lea I

Weekly Update Summary

~~Thru 07/05/02~~

Production Complete: 171.666 sq miles

Comments: Crew completed acquisition on Nov 17th.

The migration is running on the new volume and should complete this weekend. Pending QC, we hope to deliver by the end of next week.

Regards, Martha

Hager, Jim

From: Martha George [MGeorge@midland.westerngeco.slb.com]
Sent: Tuesday, July 23, 2002 11:19 PM
To: Barry M. Fitzsimmons; John G. Ralph; Daniel G. Lessar
Cc: Robert H. Johnson; Donald W. Keck; Sammy M. Dobbs; Brian Clayton; Jorge Rizo
Subject: SW Lea Update

We shipped tapes today for the final release of SW Lea. You will be receiving a migration and a migration with TauP. I am out of the office in Houston this week but if you need to get hold of me I will be checking my email or you may leave a message with Tina in Midland.

Regards, Martha
Martha George

Martha George
Martha George
WesternGeco
Multiclient Program Development and Sales
550 W. Texas Ste 500
Midland, TX 79701
ph: 915-686-1917
fax: 915-687-2727
email: MGeorge@midland.westerngeco.slb.com

OpenWorks 1998.5 Command Menu

 Project Data Applications Utilities System Help

OWSYSSID: owcyclone Project: PM_NEW_MEXICO Interpreter: DRA

Seismic Project Manager

 Project Seismic Horizons Faults Utilities Help

OWSYSSID: owcyclone Project: PM_NEW_MEXICO Interpreter: DRA

SeisWorks 1998.5.1: NoName

 Session Interpret Utilities Defaults Help

3D Seismic Project : swleaph1 Time Session

Openworks -----> **PM_NEW_Mexico**

Seisworks -----> swleaph1

Tape Loud Output Files:

Processor - Western Geco = "wg" Loaded 7/29/02 ----- S.W. Lea County Phase I --- inlines 123-723 & xlines(traces) 149-698 --- loaded @ 2ms sample rate

wgrwmg -----> Raw Migration
wgmgtg -----> Raw Migration wTau-P ---- Loaded 7/30/02 ---- loaded @ 2ms sr

Processor - Western Geco = "wg" Loaded 11/01/02 - To SeisWorks swleaph1 attached to new OpenWorks project New_Mexico_East (inlines 123-723 & xlines 149-698 ----- Loaded @ 2ms sr

wgmtpn -----> MigrTAU-P no filter, no gain
wgmntg -----> Migr. no filter, no gain