



Ute Dome Paradox Field Recommendations

1. Well Density in each Paradox 640-acre drill block should be increased from 1 to 4 wells (i.e. 640-acre to 160-acre density)
2. Proposed Infill Area: T32N R14W all of sections 24-26, 33-36. T31N R14W all of sections 1-3, & 8-12, T32N R13W all of section 19.

BEFORE EXAMINER
OIL CONSERVATION DIVISION
EXHIBIT NO. 5
DATE 12/1/00



Ute Dome Paradox Historical Field Development

1. Field Discovered in 1948
2. Initial drill block size 640 acres
3. XTO became field operator in 1998
4. 1999-2000 two replacement wells drilled, effectively reducing well spacing to 320-acres in sections 2 & 10. Production from these wells indicate that infill drilling will be successful.
5. Cumulative Production through 2004: 115 BCFG

Ute Dome – Barker Dome Area Geological Assessment



Barker Dome Field
Gas Cum 270 BCFG

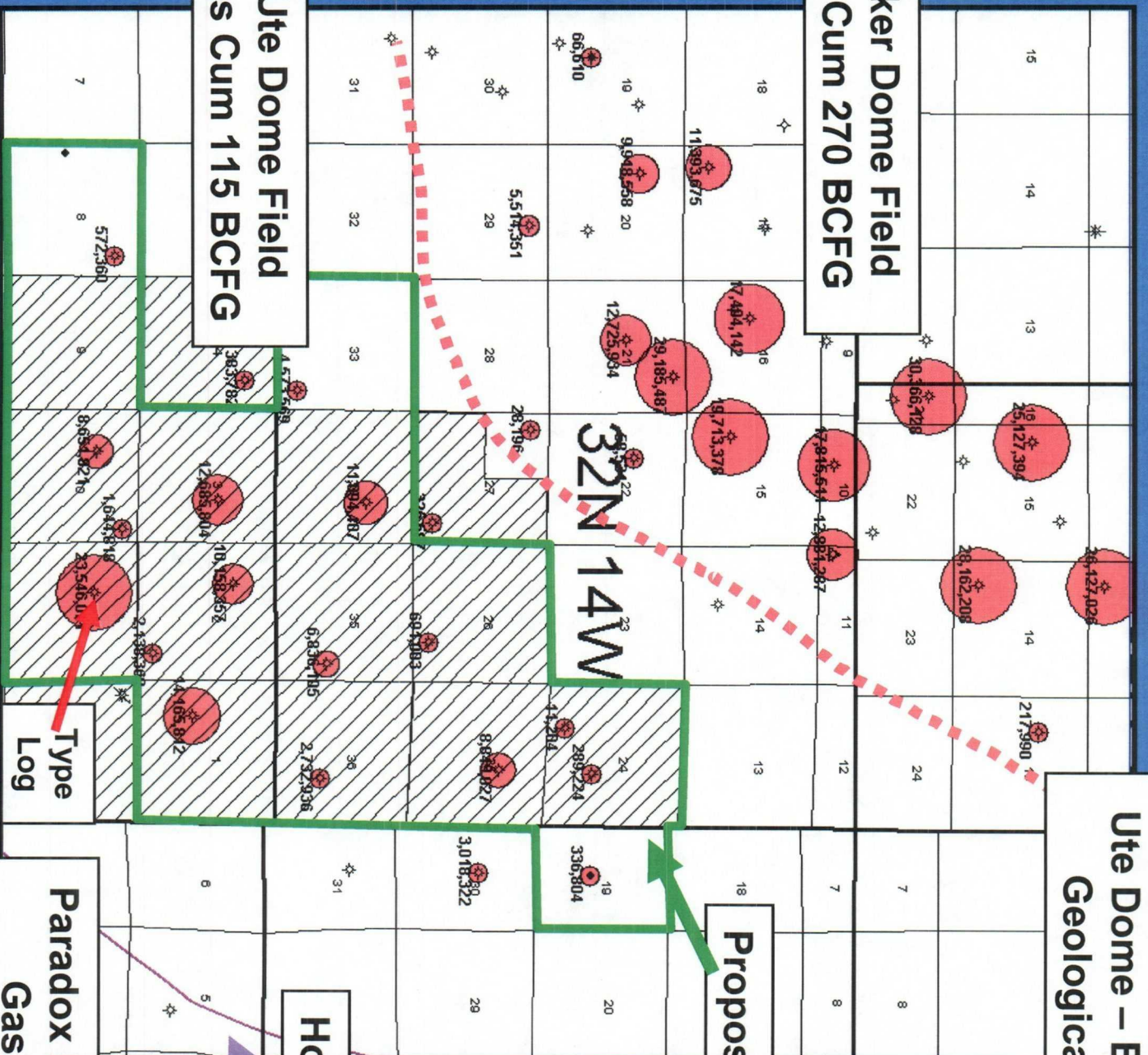
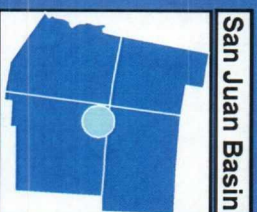
Ute Dome Field
Gas Cum 115 BCFG

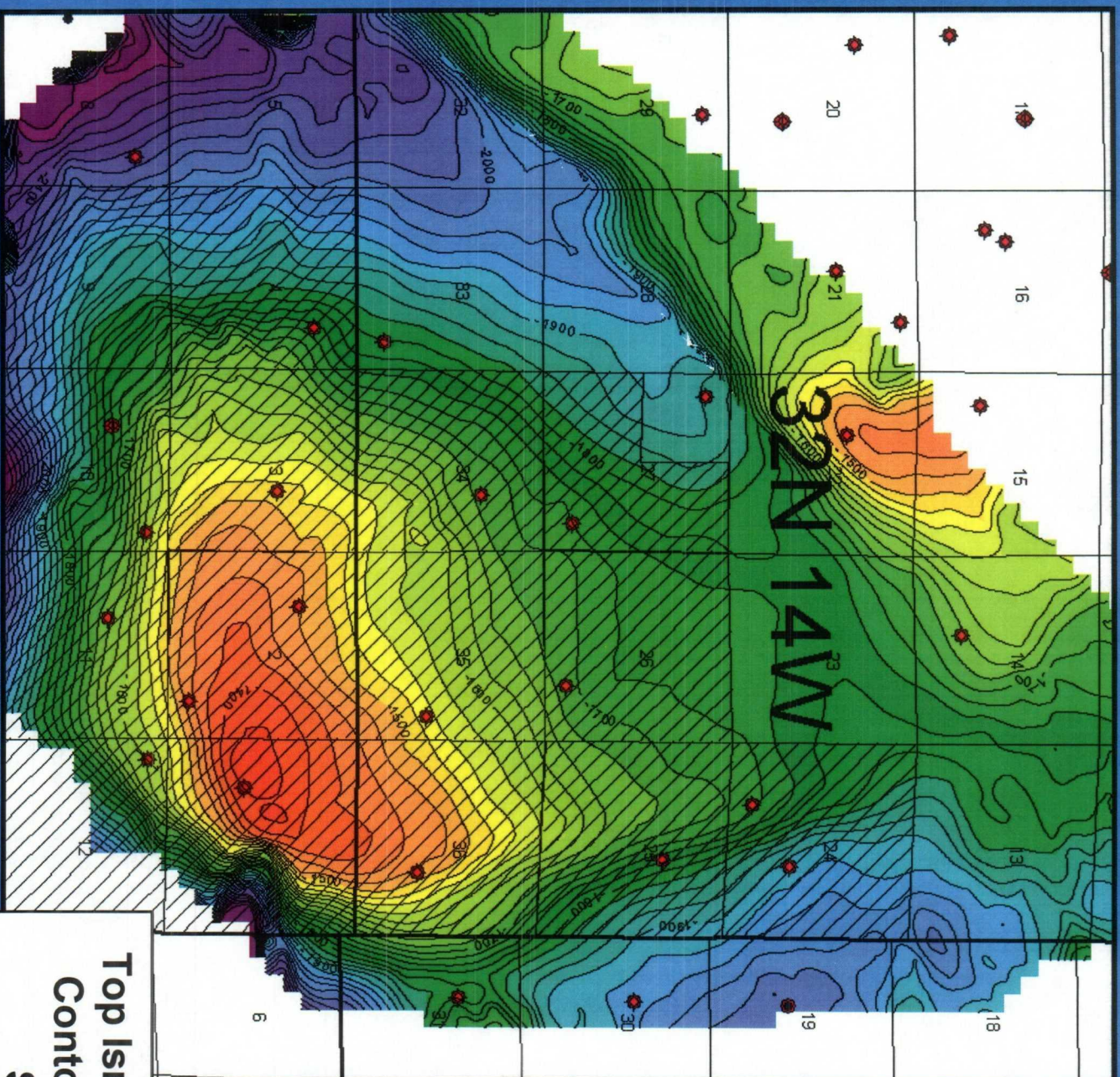
Proposed Infill Area

Hogback Monocline

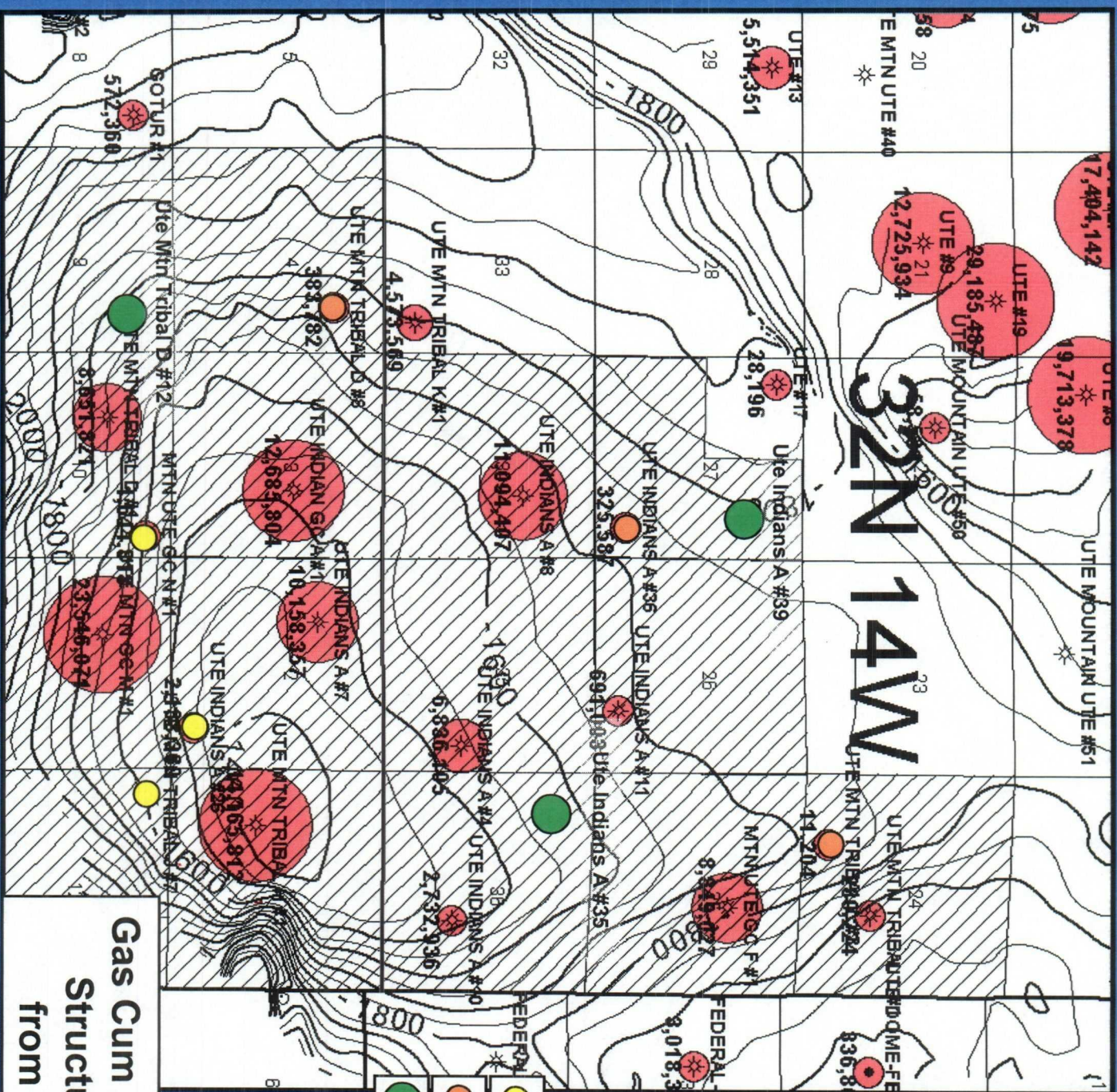
Type
Log

Paradox Formation
Gas Cum





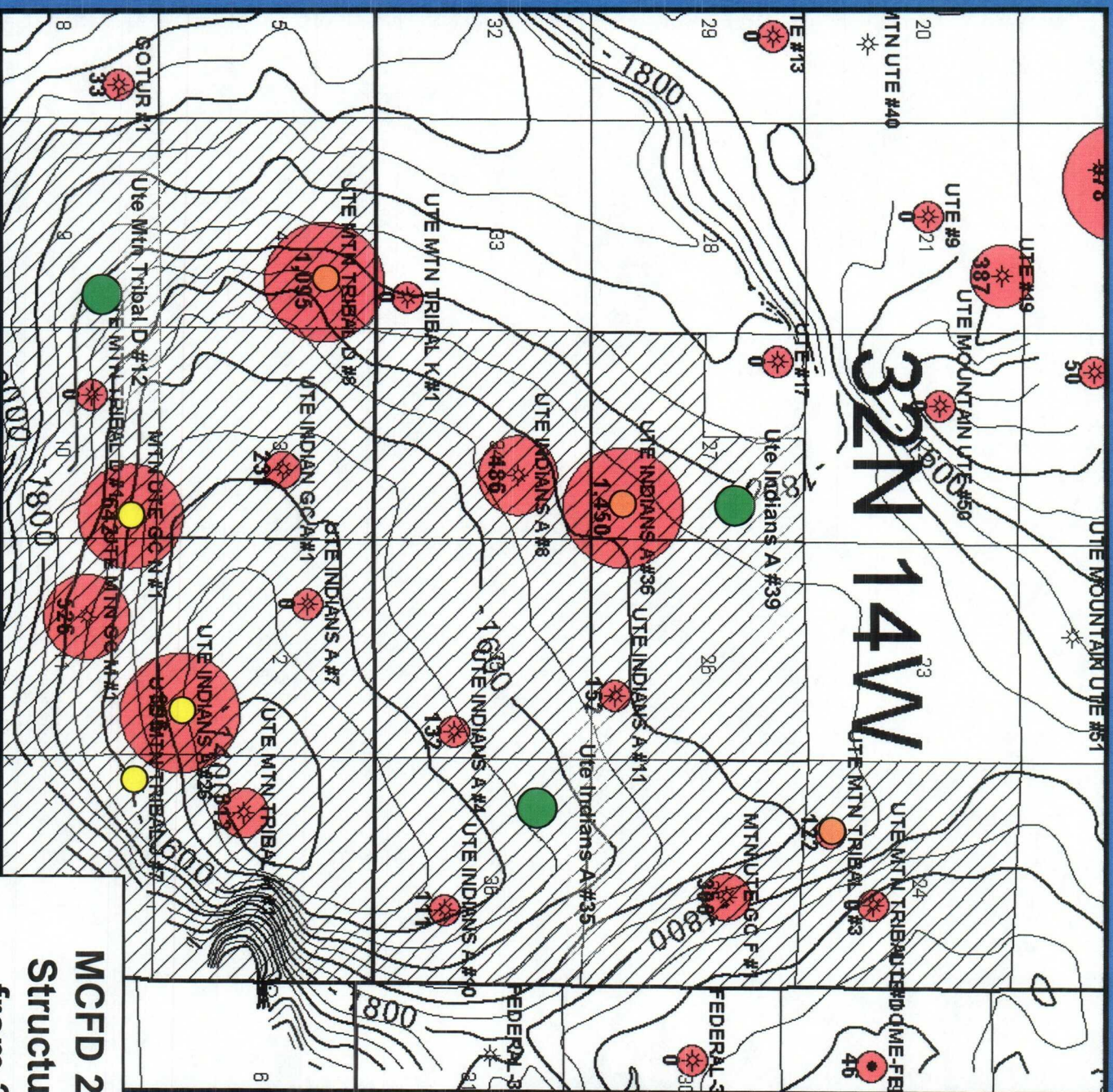
**Top Ismay Structure
Contours from 3D
Seismic**



Gas Cum Bubbles to 2004 Structure Contours from 3D Seismic

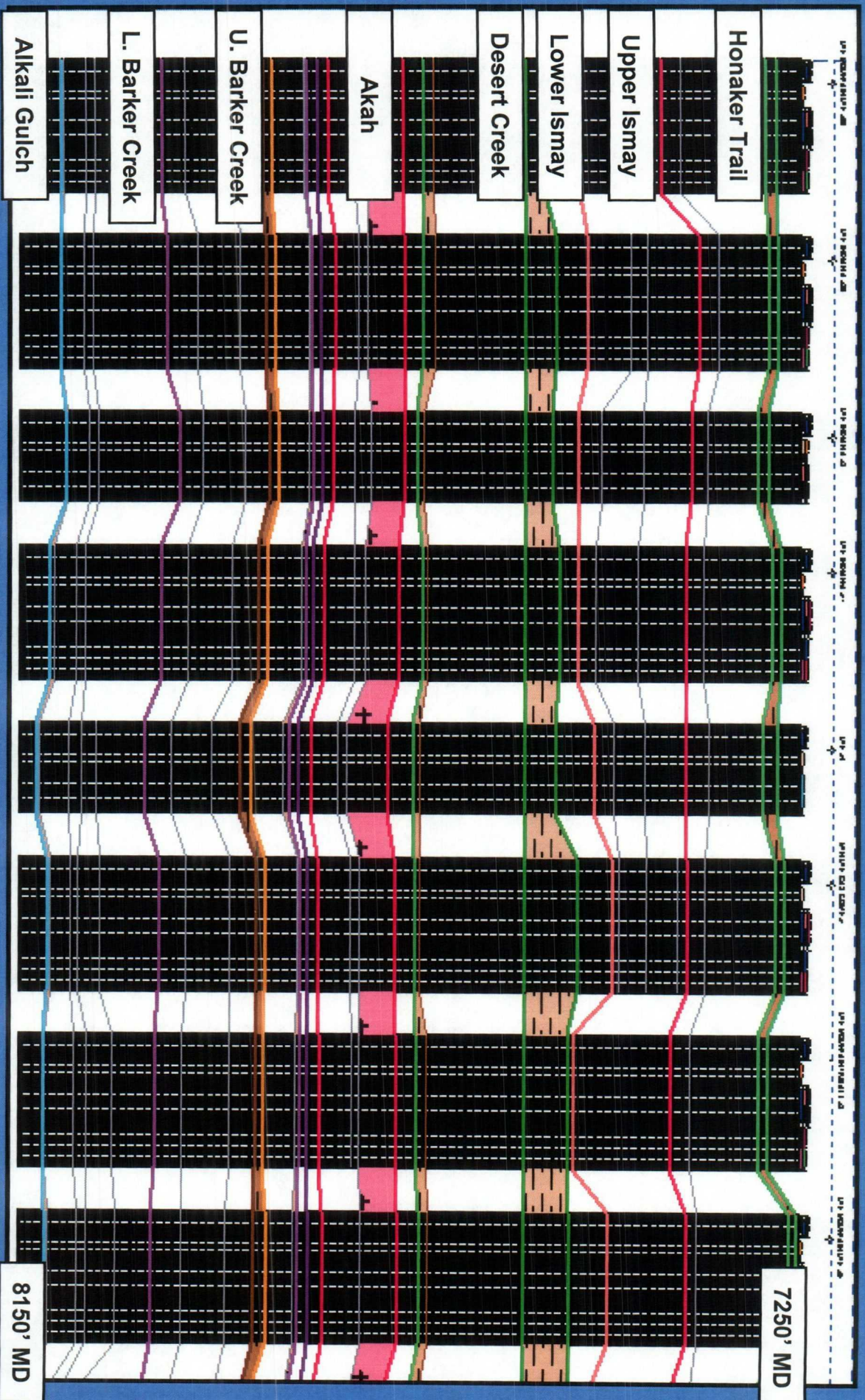


32N 14W



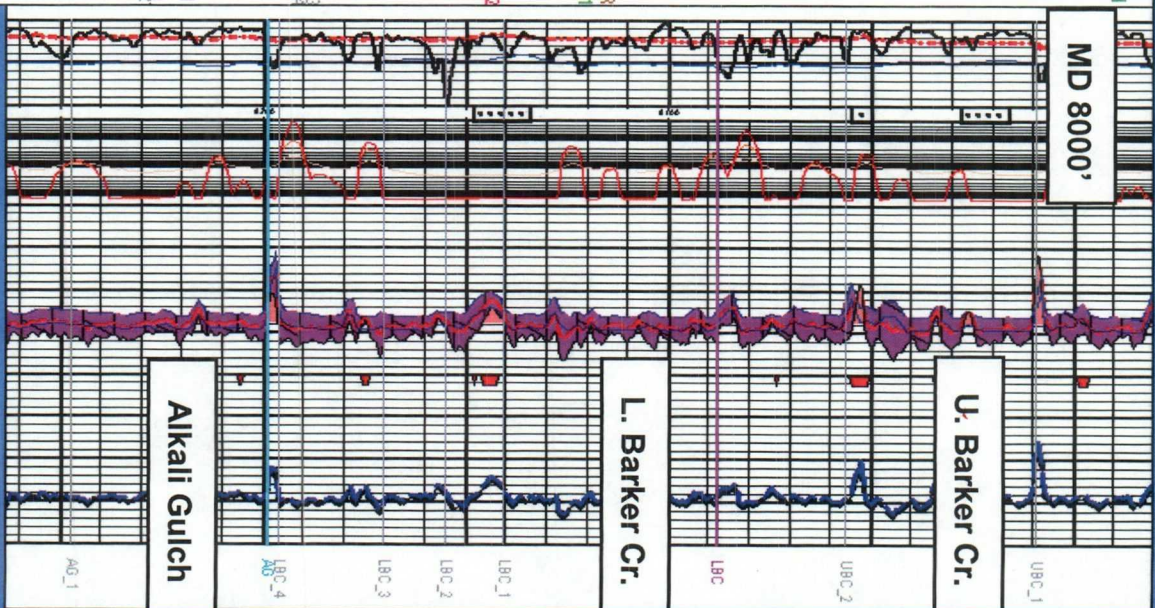
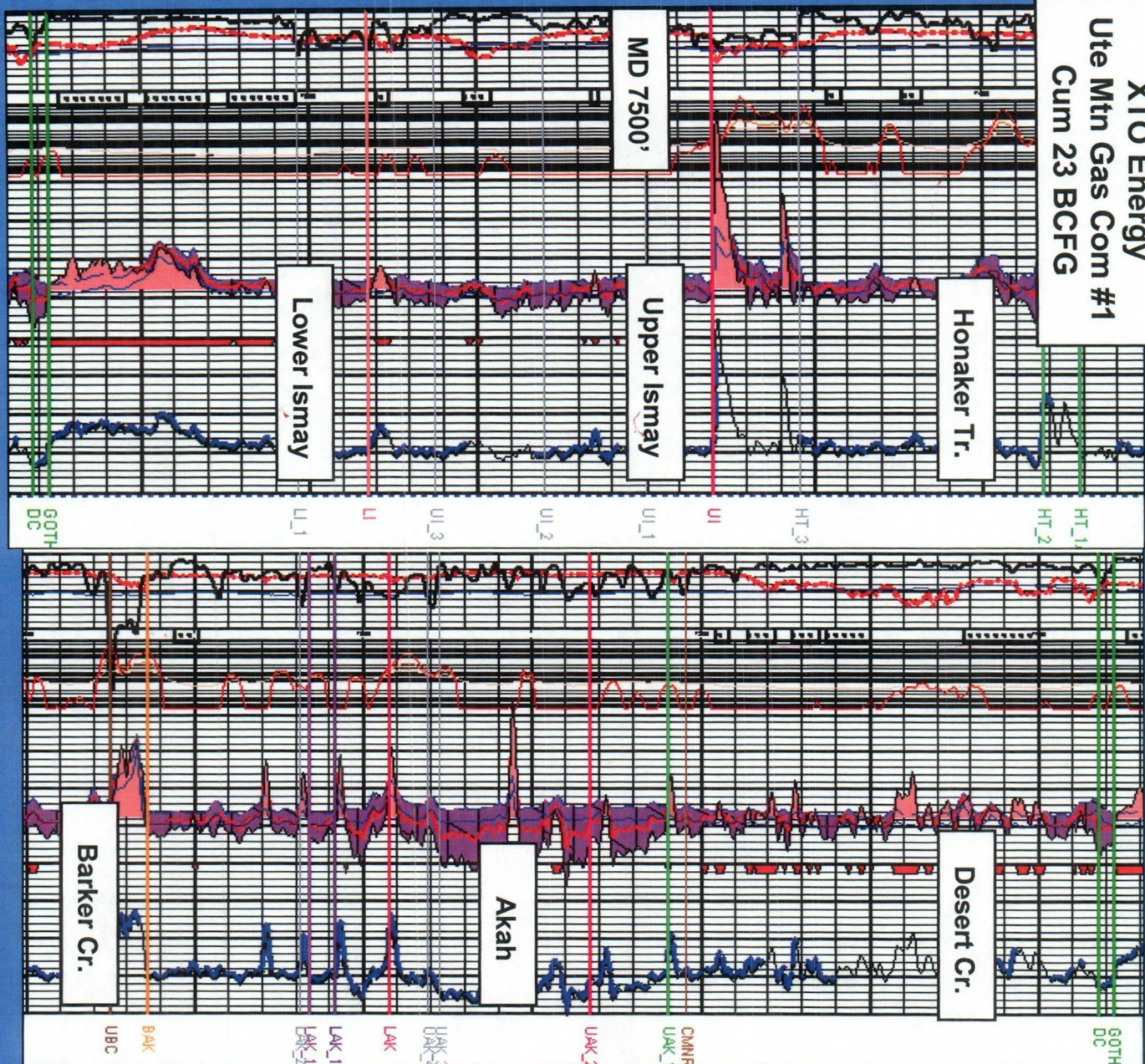
- Drilled 1999-2000
- Drilled 2003
- Proposed

**MCFD 2004 Bubbles
Structure Contours
from 3D Seismic**



XTO Ute Dome Area
Paradox Formation

XTO Energy
Ute Mtn Gas Com #1
Cum 23 BCFG

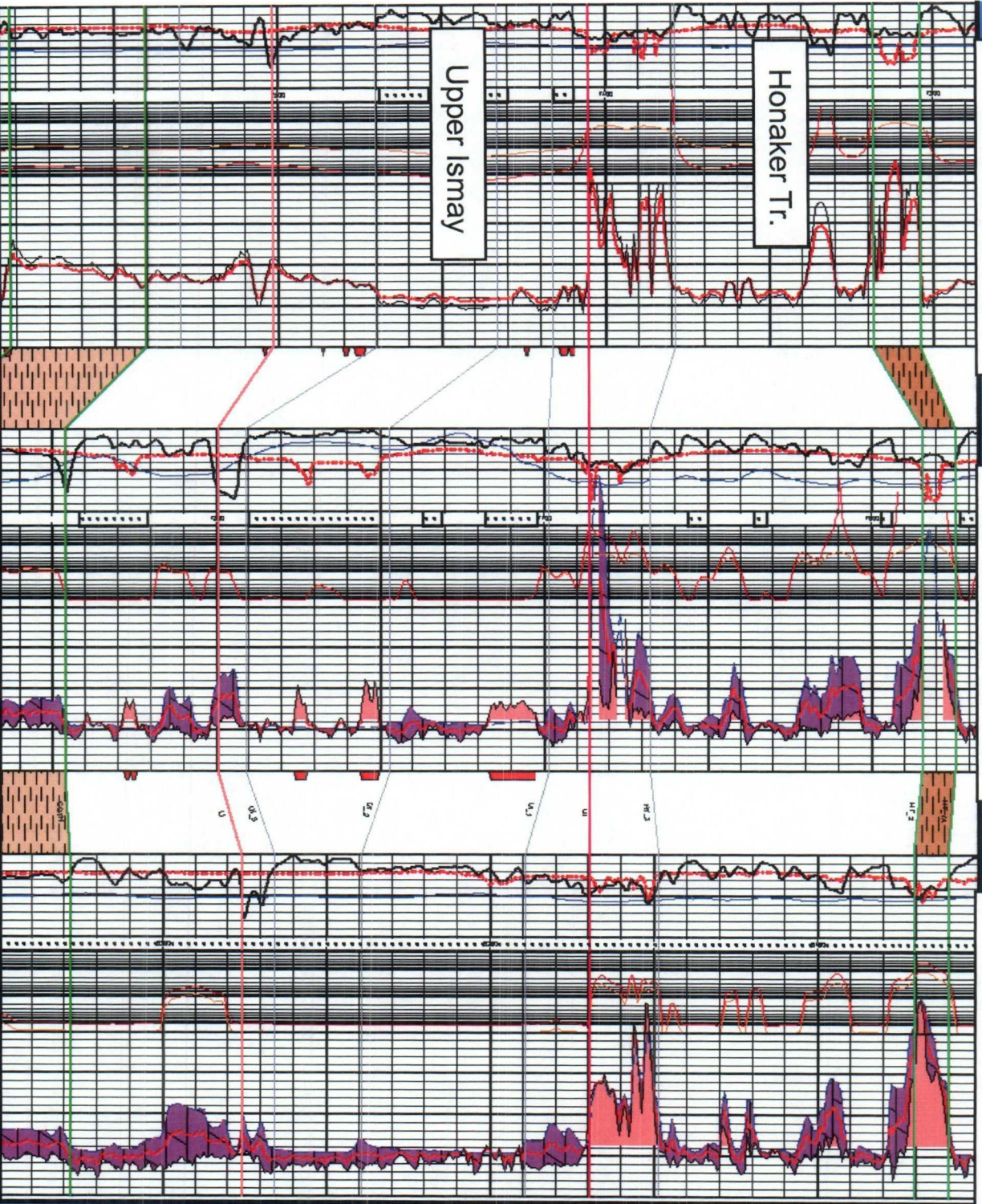


Ute Dome Area
Paradox Formation
Type Log

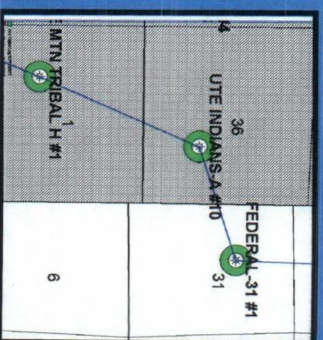
Ute Mtn Tribal H #1
T31N R14W Sec. 1

Ute Indians A #10
T32N R14W Sec. 36

Federal 31 #1
T32N R13W Sec. 31



XTO
ENERGY



Heterogeneous
Reservoir Strata in
Upper Ismay

Ute Indians A #10
T32N R14W Sec. 36

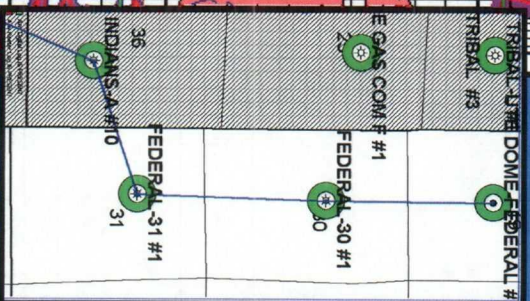
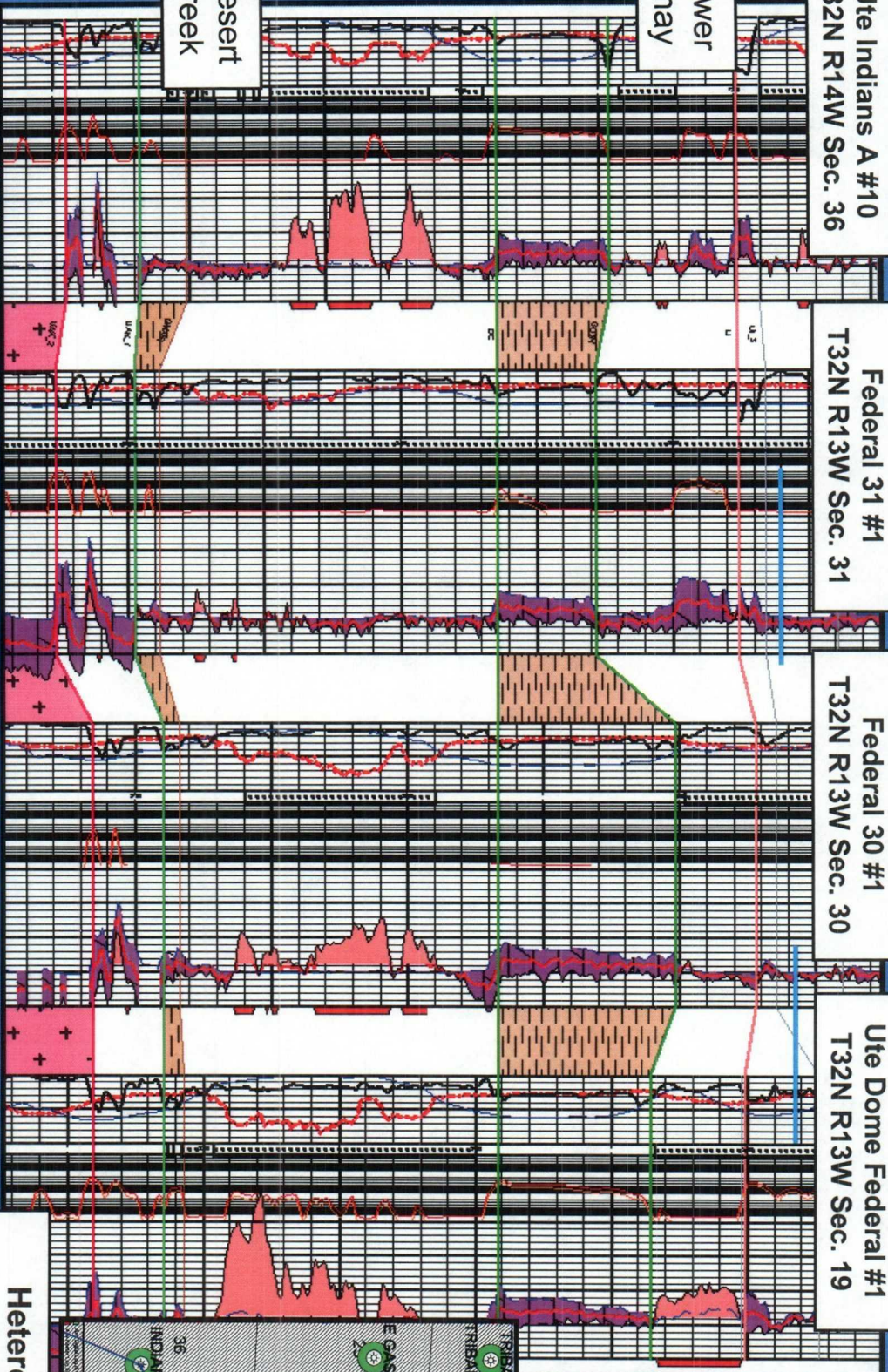
Federal 31 #1
T32N R13W Sec. 31

Federal 30 #1
T32N R13W Sec. 30

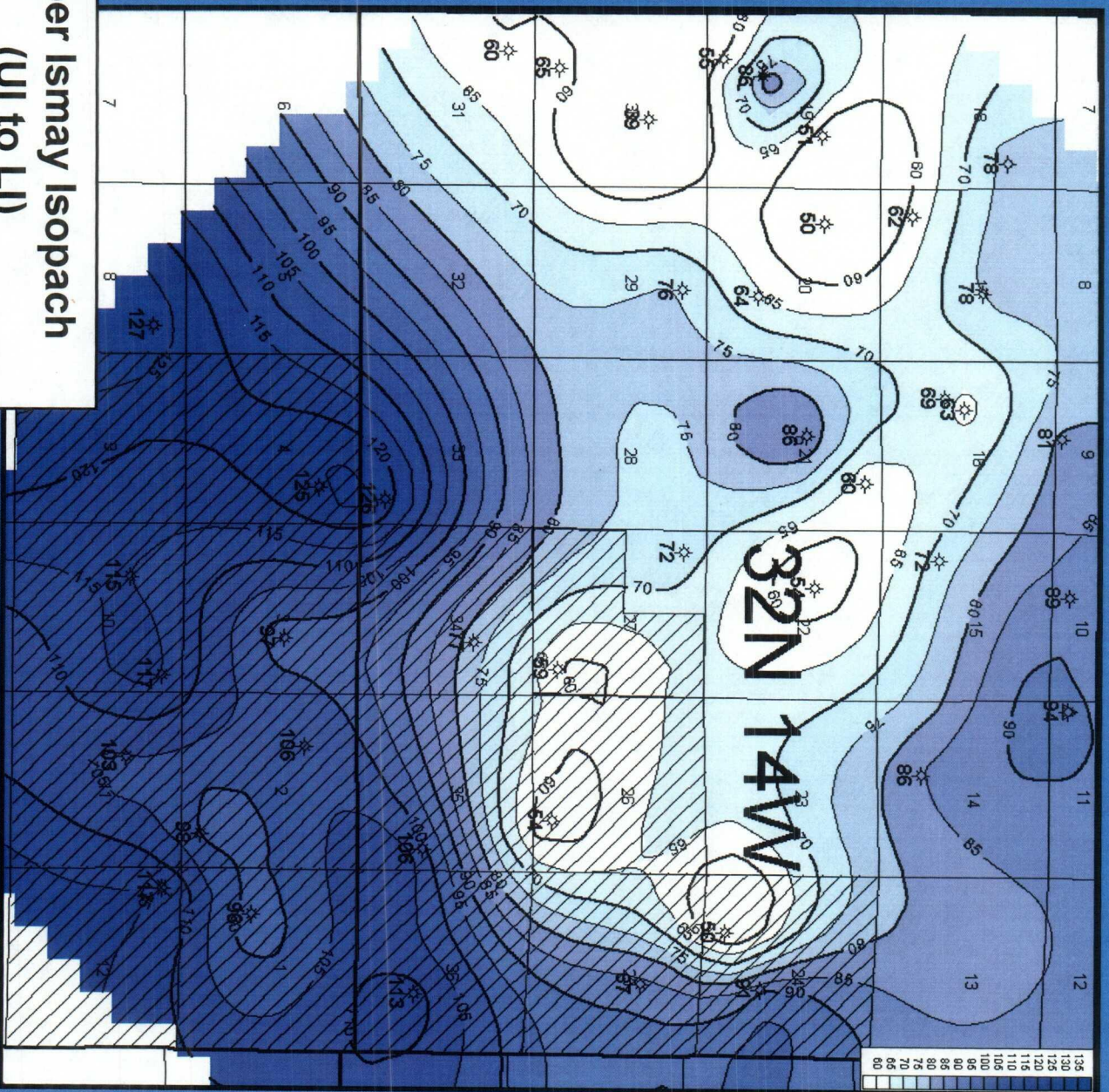
Ute Dome Federal #1
T32N R13W Sec. 19

Lower
Ismay

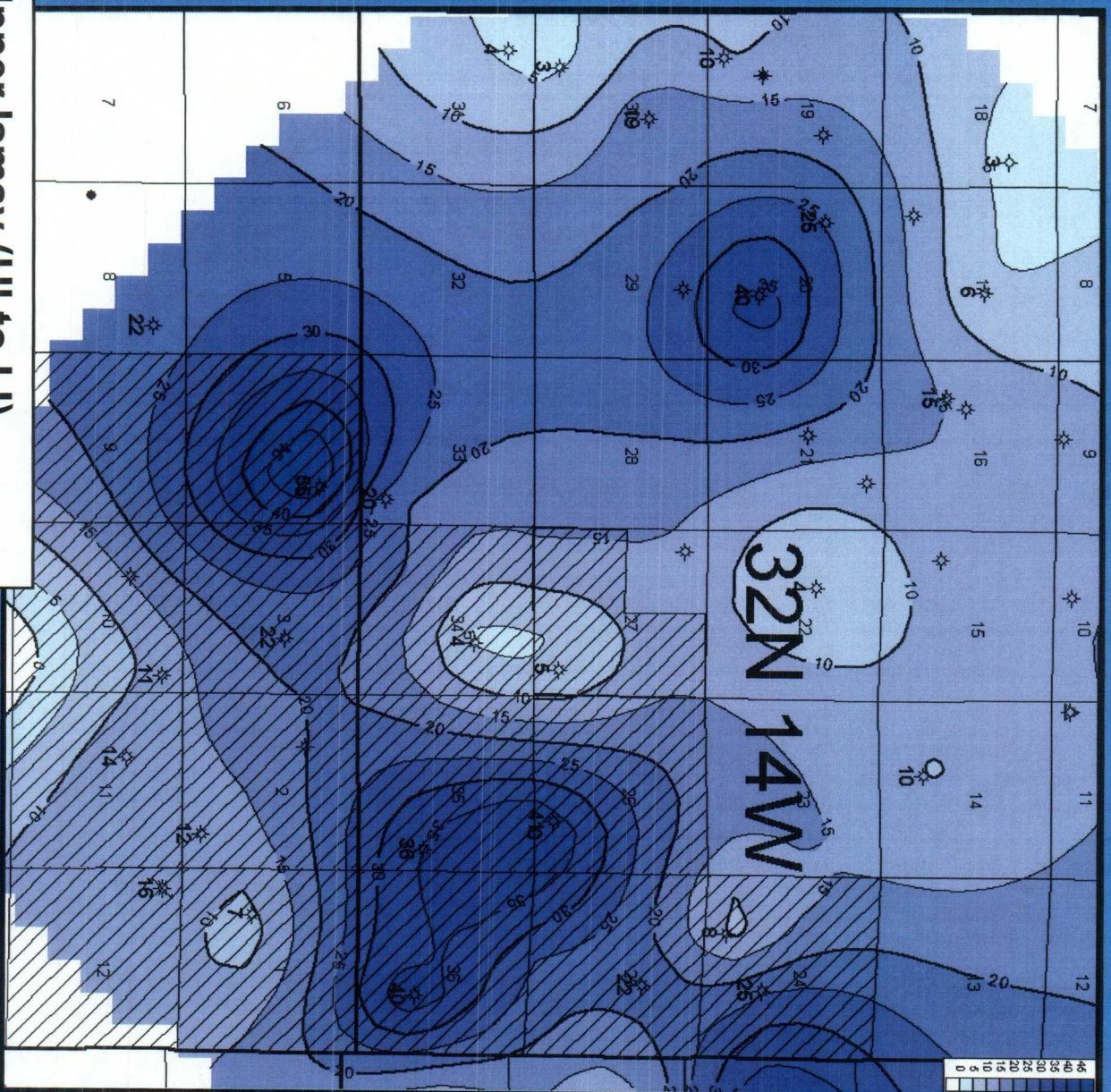
Desert
Creek



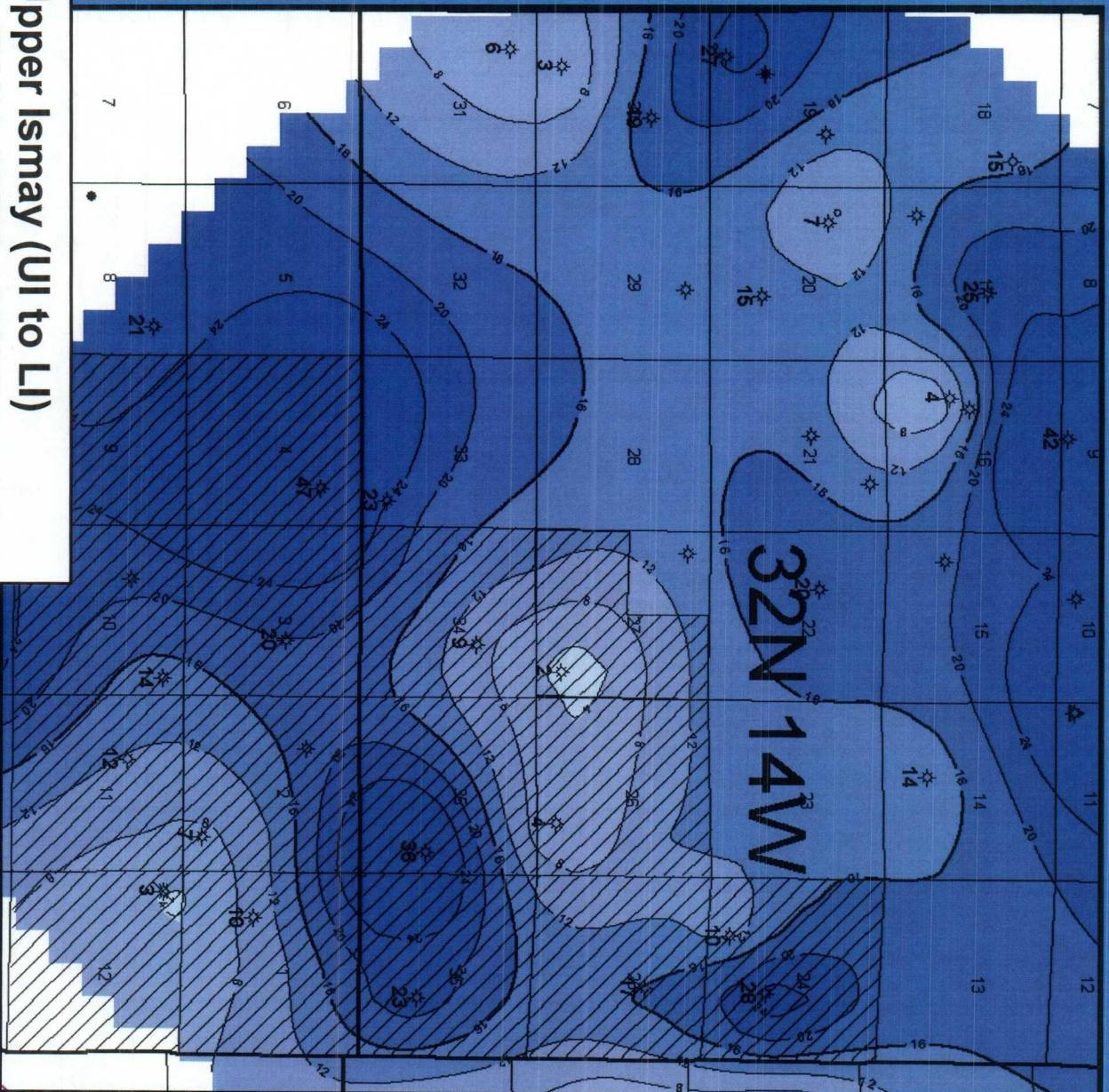
Heterogeneous
Reservoir Strata in
Lower Ismay &
Desert Creek



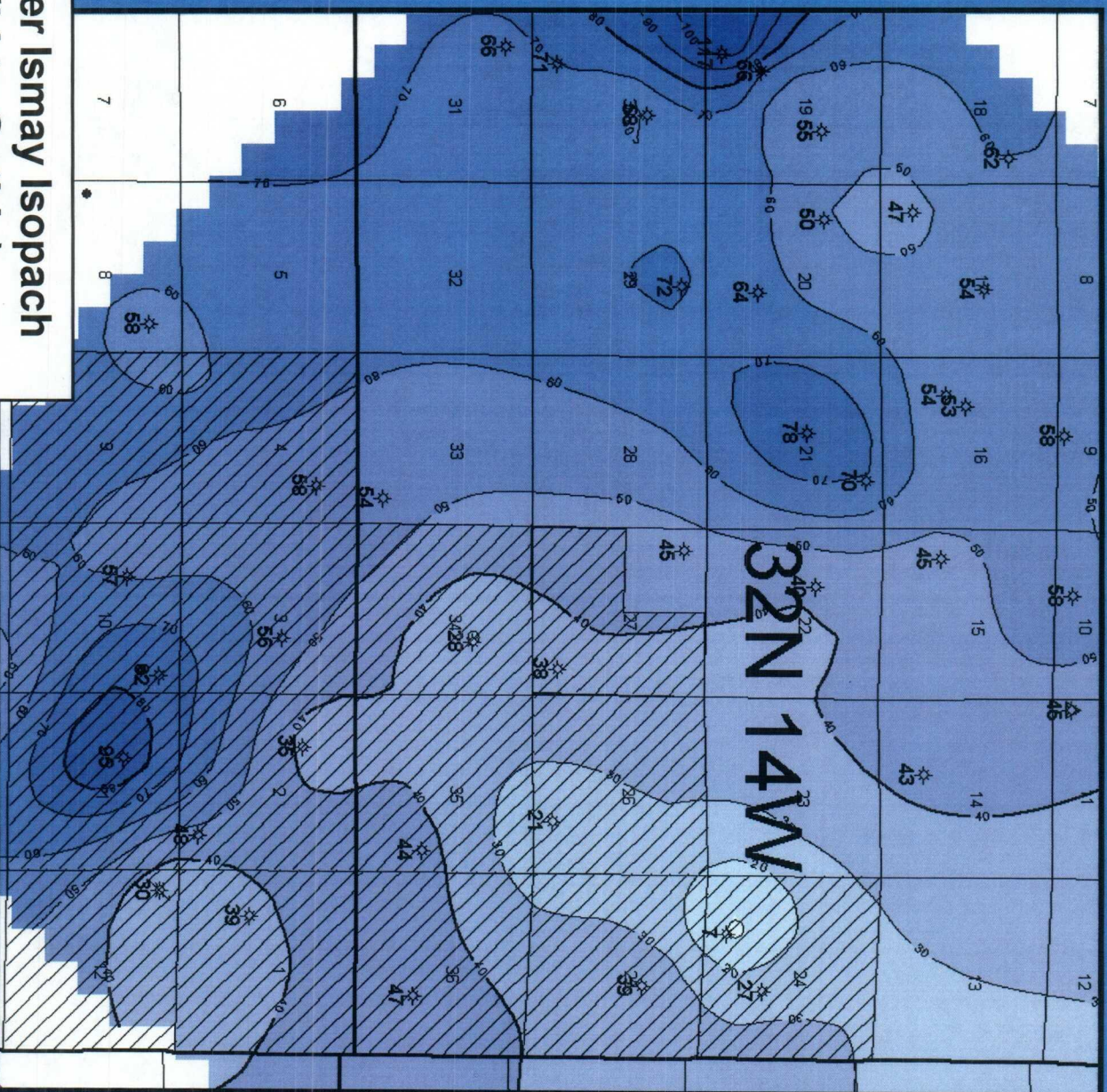
**Upper Ismay Isopach
(UI to LI)**



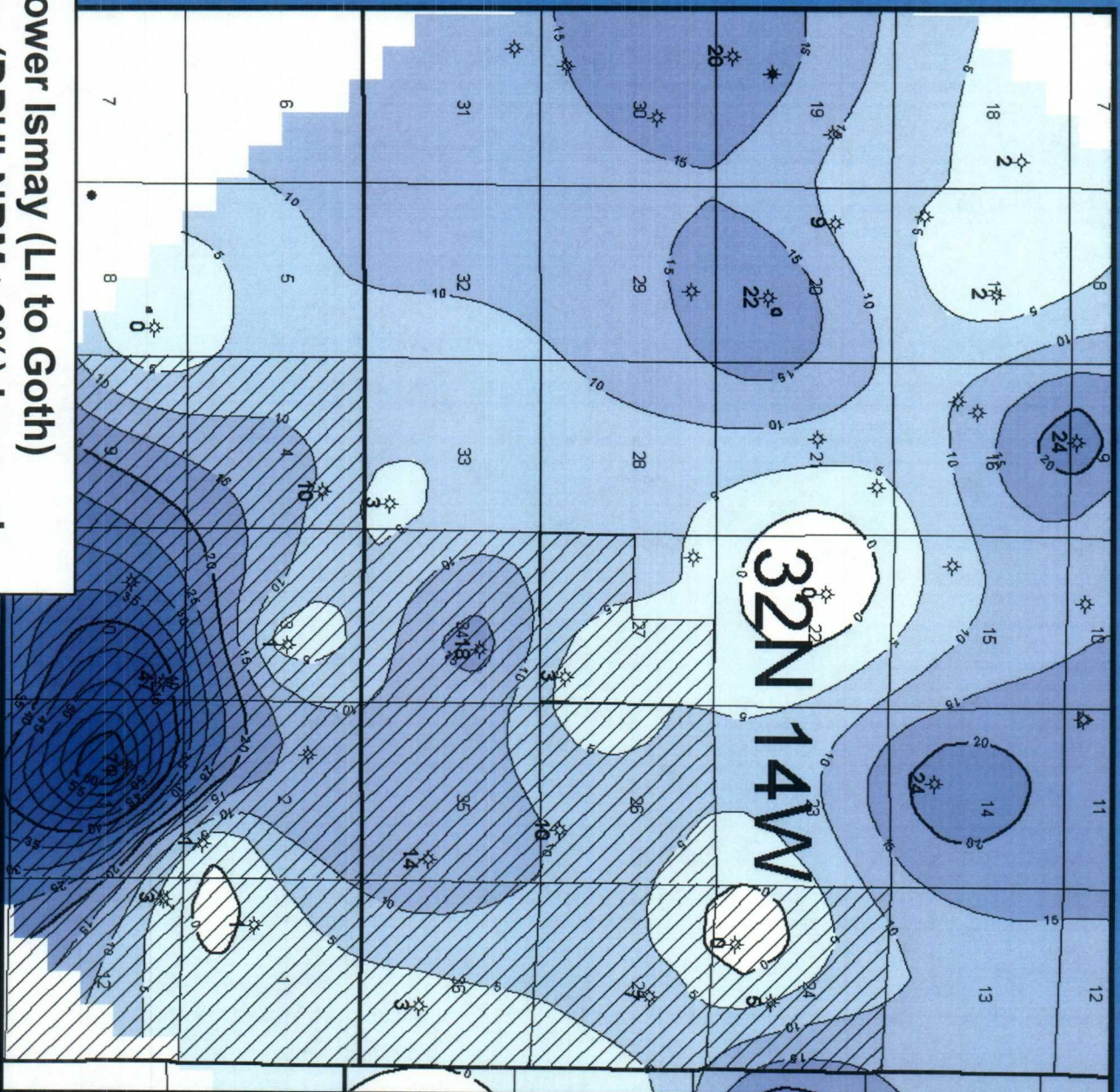
Upper Ismay (UI to LI)
Net Pay (DPHI-NRM > 3%) Isopach



Upper Ismay (UI to LI)
Net Pay (PHIA-NRM > 3%) Isopach

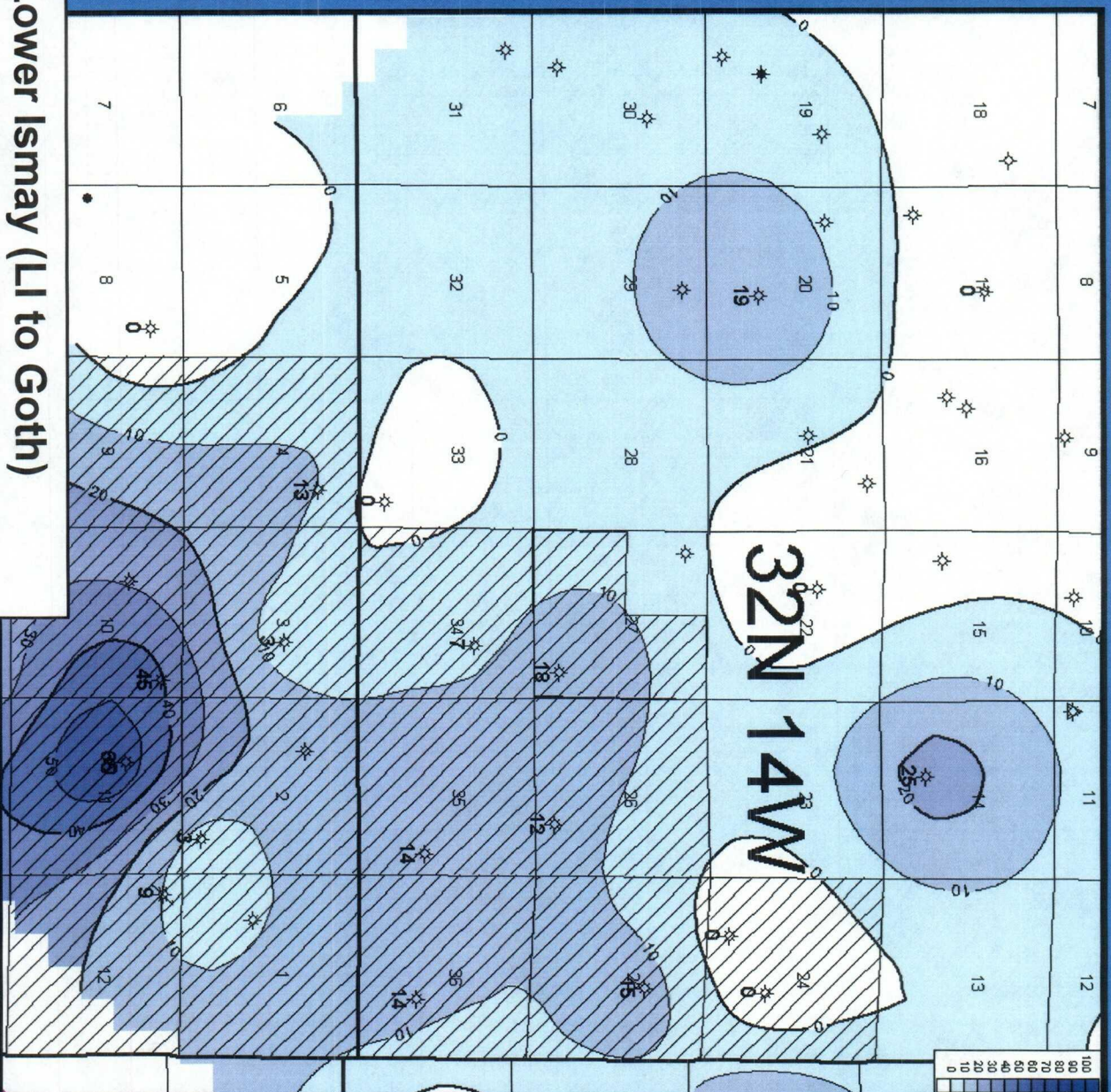


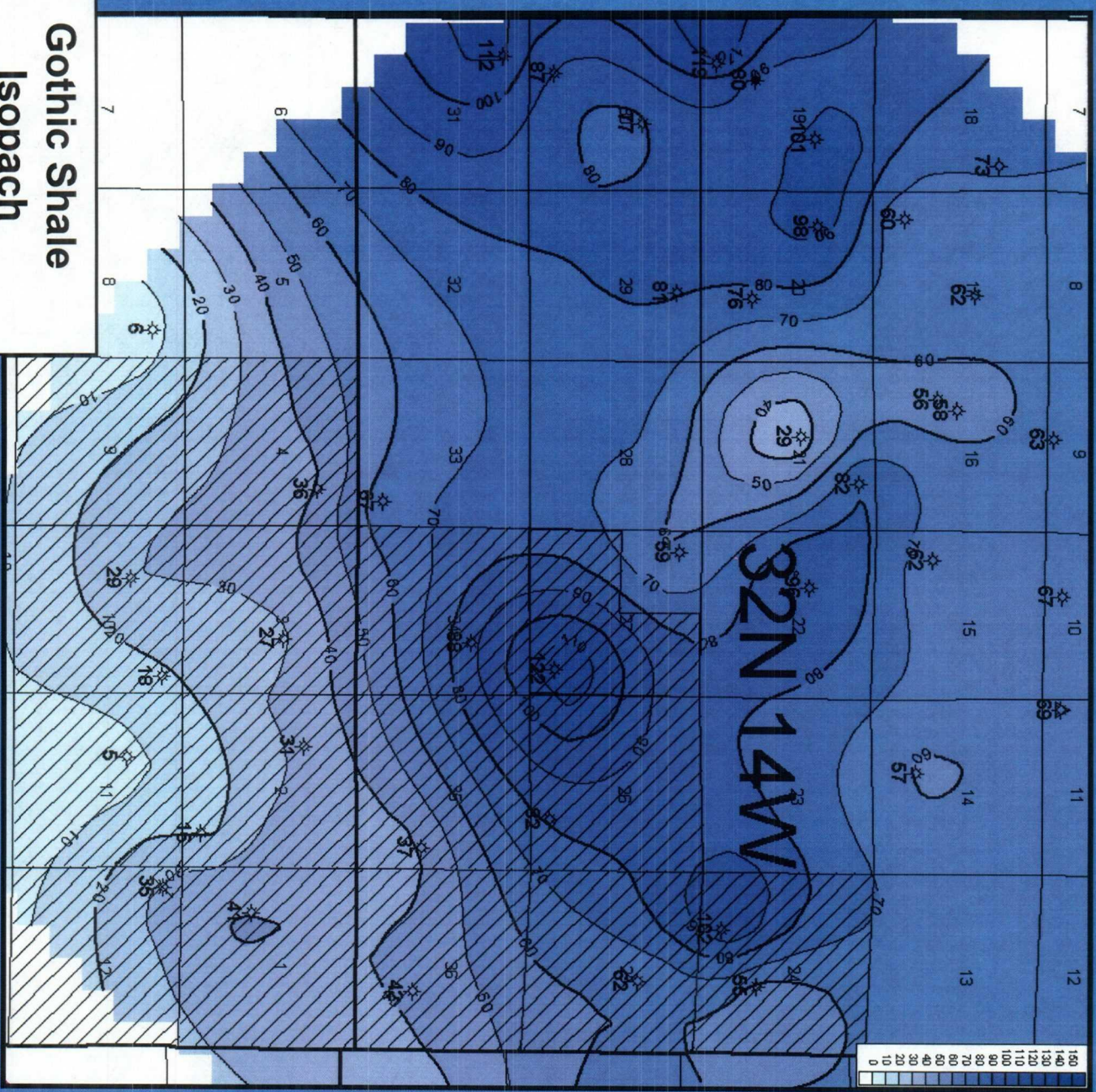
Lower Ismay Isopach
(LI to Gothic)



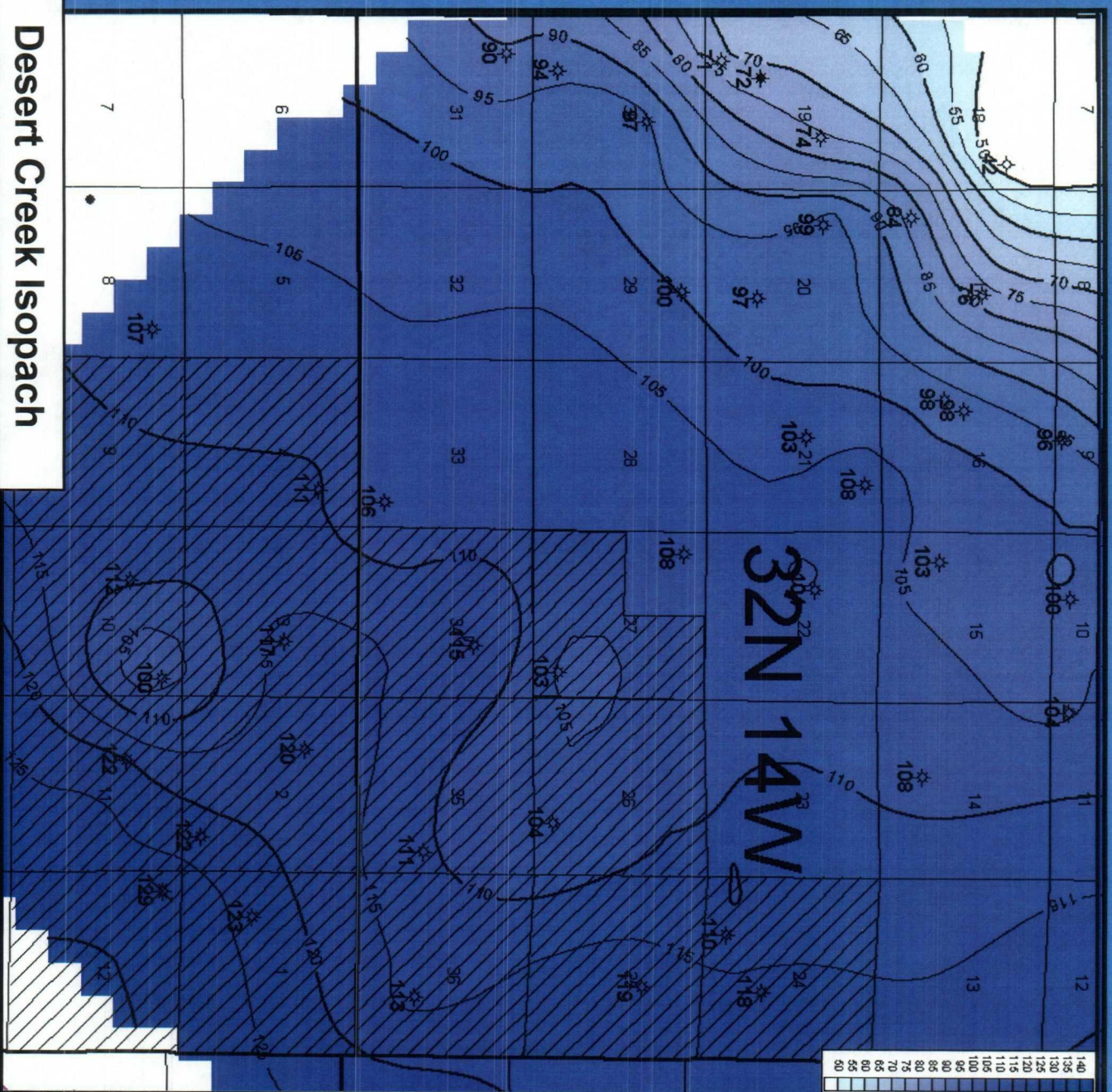
**Lower Ismay (LI to Goth)
Net Pay (DPHI-NRM > 3%) Isopach**

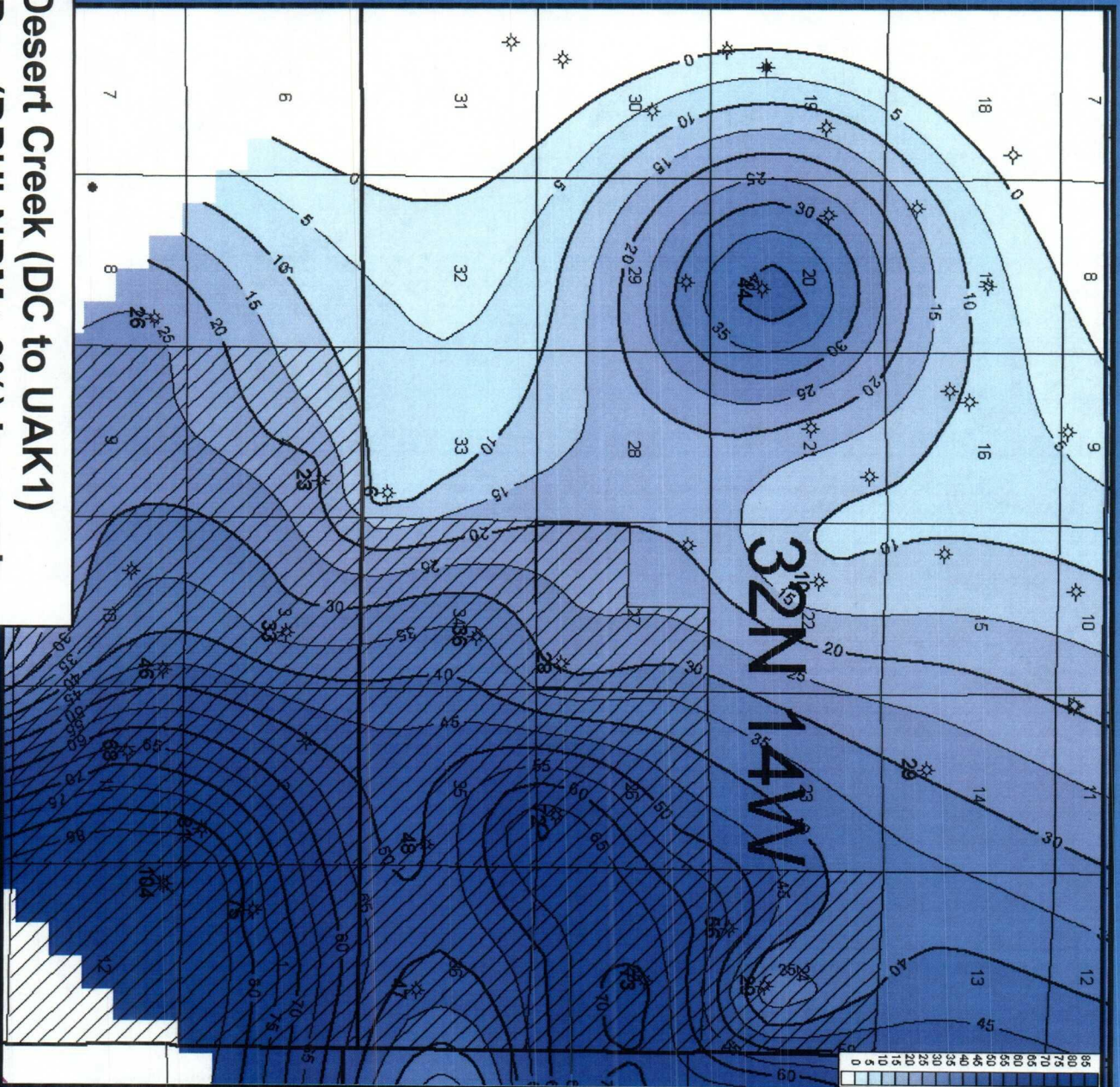
Lower Ismay (LI to Goth) Net Pay (PHIA-NRM >3%) Isopach



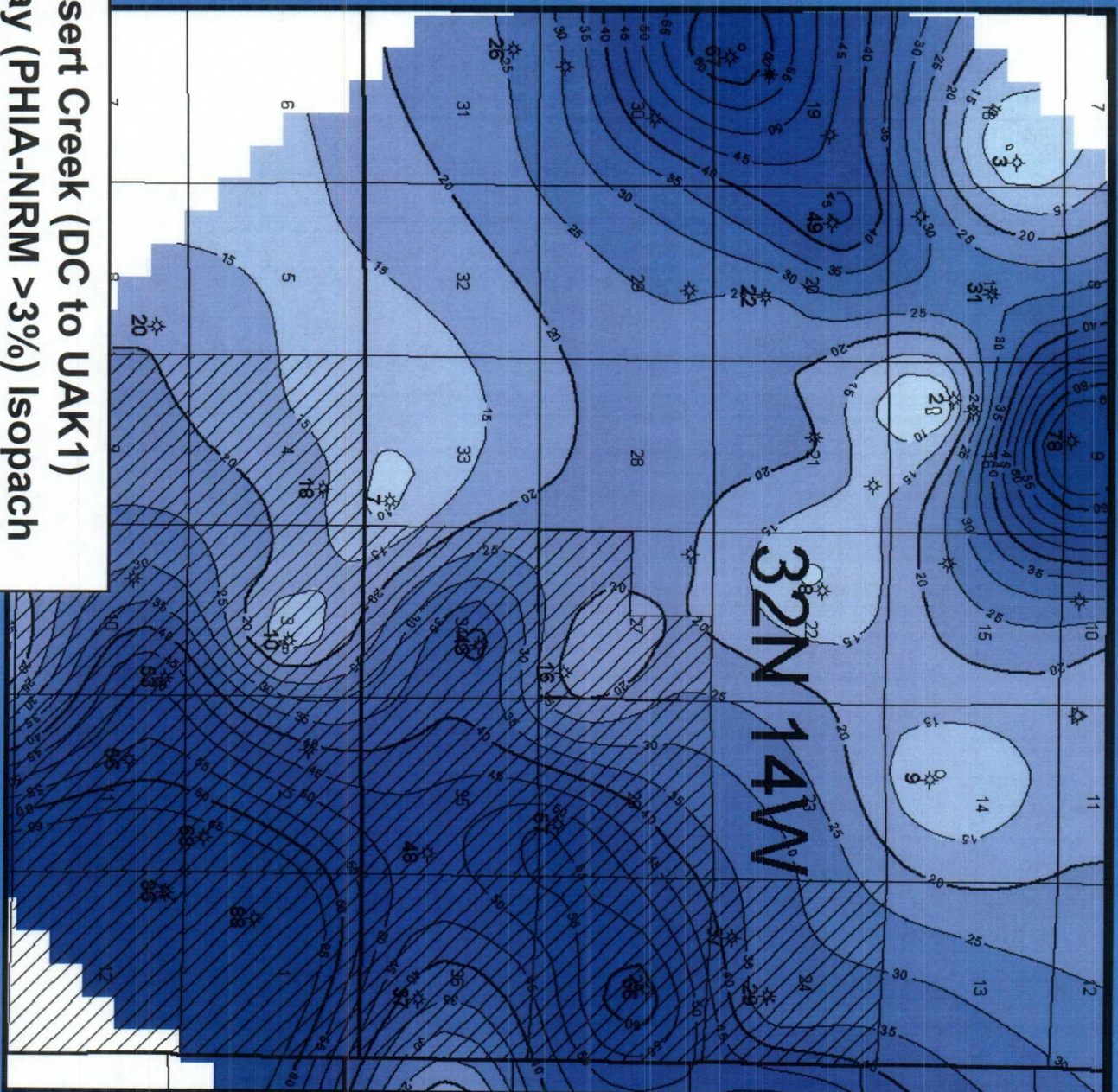
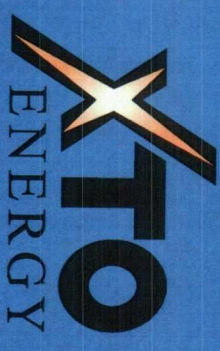


**Gothic Shale
Isopach**



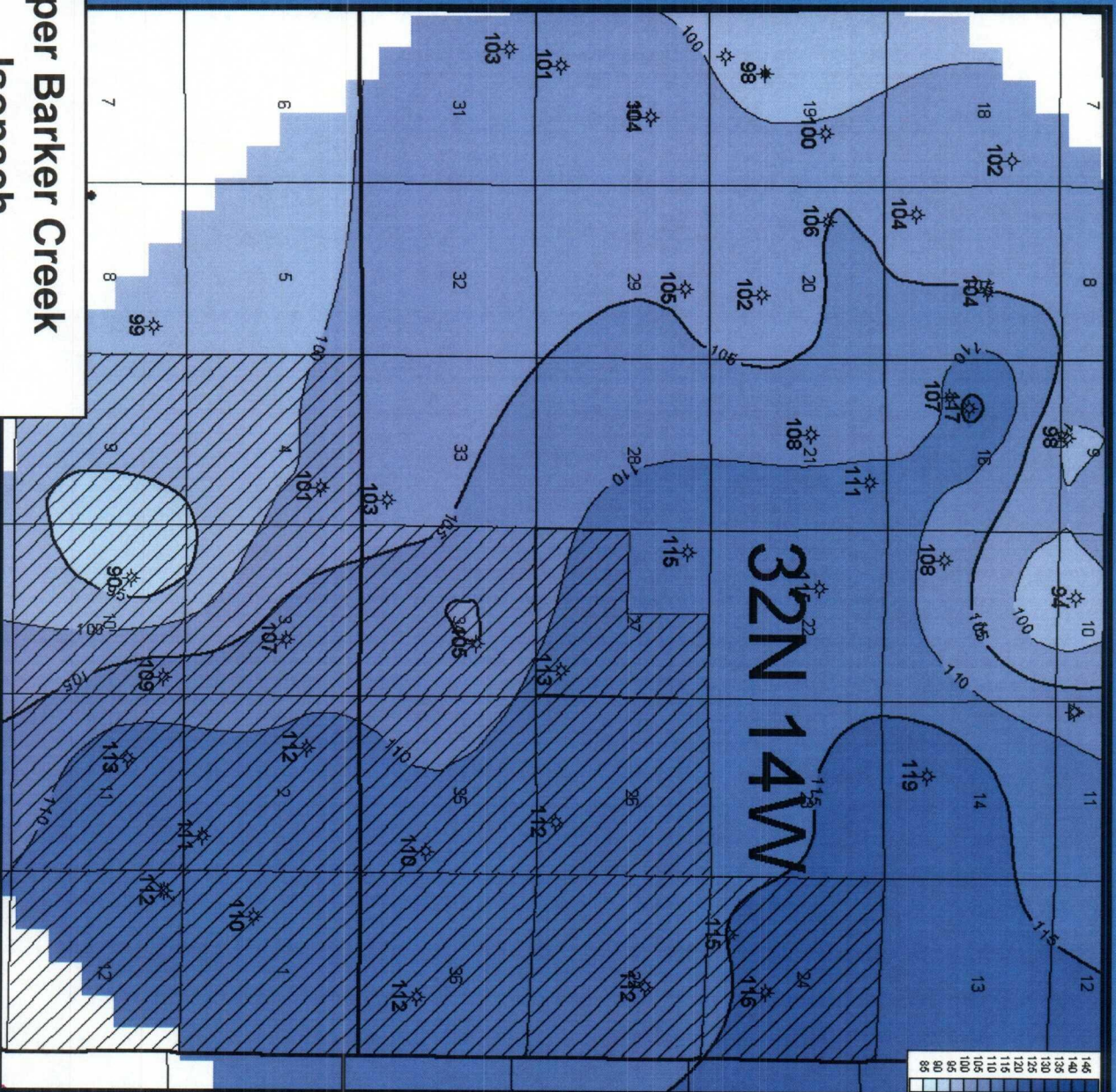


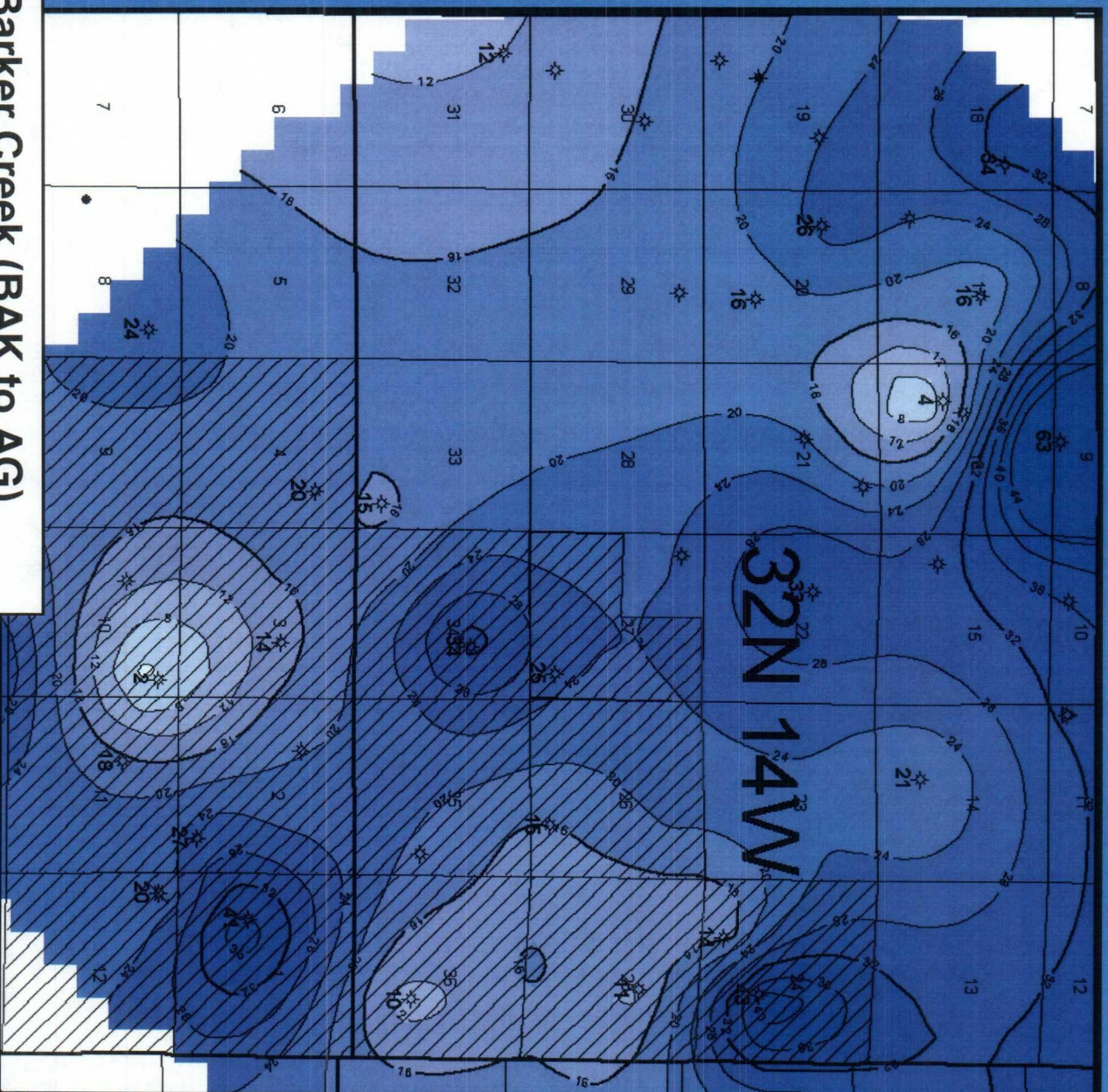
**Desert Creek (DC to UAK1)
Net Pay (DPHI-NRM > 3%) Isopach**



Desert Creek (DC to UAK1)
Net Pay (PHIA-NRM >3%) Isopach

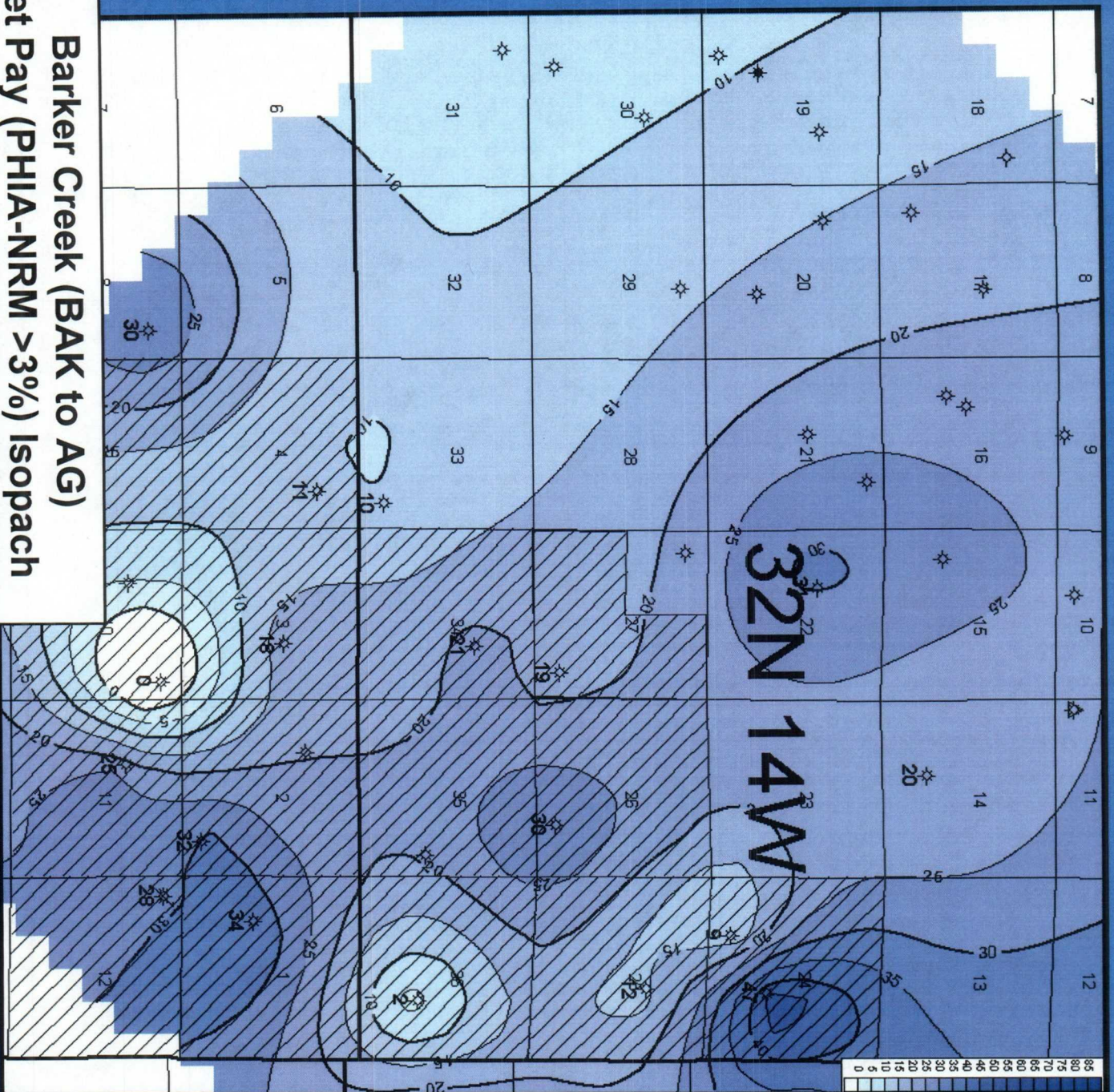
Upper Barker Creek Isopach

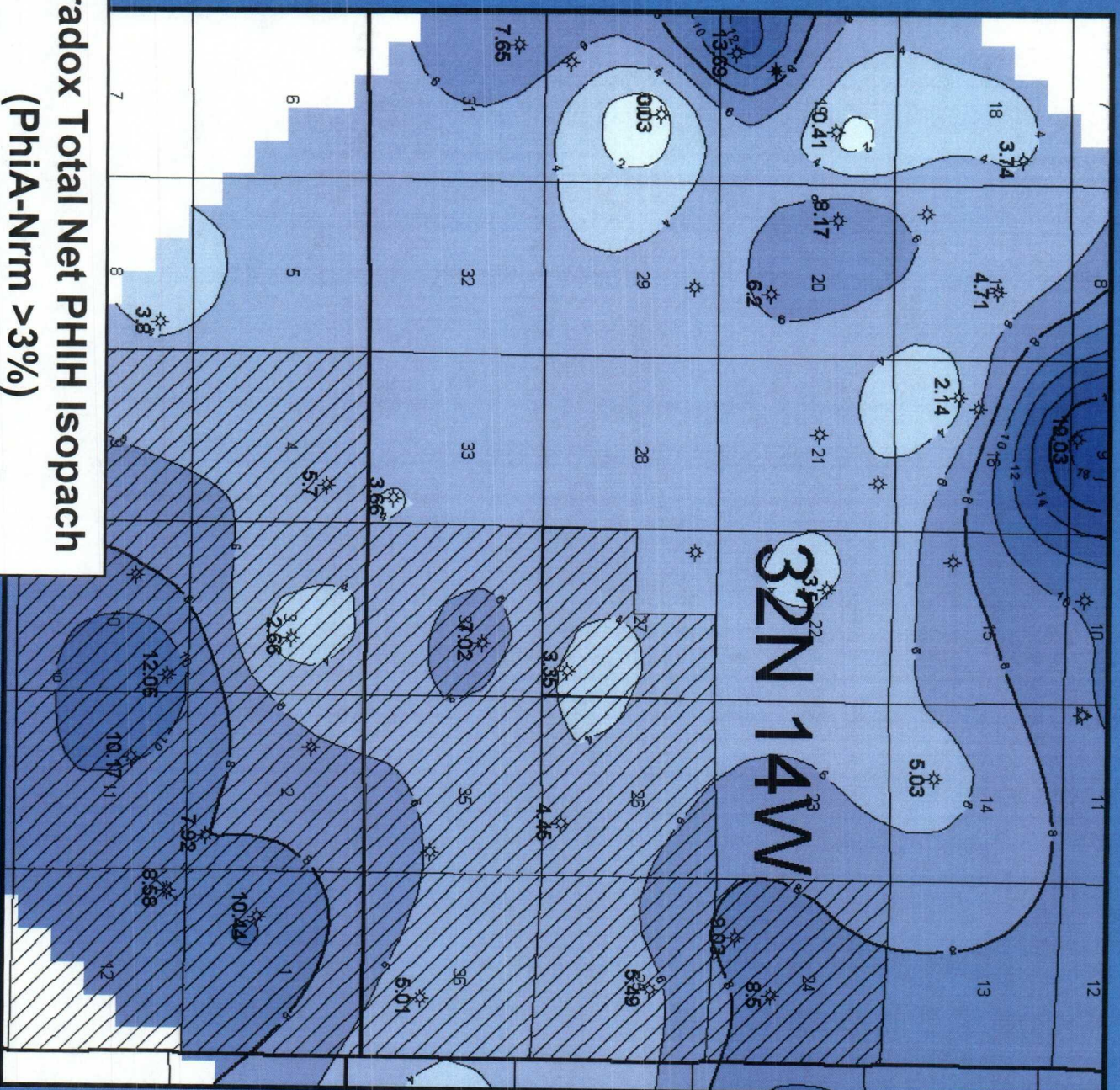




**Barker Creek (BAK to AG)
Net Pay (DPHI-NRM >3%) Isopach**

Barker Creek (BAK to AG) Net Pay (PHIA-NRM >3%) Isopach





Paradox Total Net PHIH Isopach
(PhiA-Nrm > 3%)