UTAH GEOLOGICAL SURVEY
a division of
Utah Department of Natural Resources

Plate 4
Utah Geological Survey Open-File Report 600
Well Database and Maps of Salt Cycles and Potash Zones of Paradox Basin, Utah

Master correlation section generally following R. Hite well selections

Intrepid Potash workings

Fold and Fault Belt

CARBON
EMERY
GRAND
UINTAH
WAYNE
GARFIELD
KANE
SAN JUAN

PLATE 4

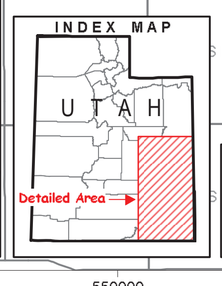
Well Database and Maps of Salt Cycles and Potash Zones of the Paradox Basin, Utah

S9 Salt Cycle Thickness Map

EXPLANATION

- Oil and Gas well (in database)
- Oil and Gas well from DOGM, unclassified
- Potash exploration hole (in database)
- Hite correlation well
- Well with no salt cycle present
  note: well might not be deep enough to fully intercept salt cycle
- Well with salt cycle present
- 110 — thickness of salt (ft)
- data point
- Salt thickness contour (CI=50ft)
- Approximate limit of salt facies of Paradox Fm.
- Master correlation and transverse sections generally following R. Hite well selections
- Well in "Fold and Fault Belt"
- Area encompassing regional "Fold and Fault Belt"

INDEX MAP



SCALE
1 : 250,000
0 1 2 3 4 5 6 7 8 9 10 miles
0 1 2 3 4 5 6 7 8 9 10 kilometers

Base: UTM Zone 12, NAD83. Boundary tics in meters.
Utah Automated Geographic Reference Center (AGRC) GIS data
Wells: DOGM data, 01August2011

Terry W. Massoth
Consulting Geologist
1425 E. South Temple
Salt Lake City, Utah 84102

UGS Grant/Contract Number #112609 June 2012