UTAH GEOLOGICAL SURVEY
a division of
Utah Department of Natural Resources

Plate 16
Utah Geological Survey Open-File Report 600
Well Database and Maps of Salt Cycles and Potash Zones of Paradox Basin, Utah

CARBON
EMERY
GRAND
UINTAH
WAYNE
GARFIELD
KANE
SAN JUAN

Master correlation section generally following R. Hite well selections

3ft (7238.5-7241.5) @11.8; 6.5ft (7300-7307) @6.8

12ft net (6828-6874) @7.4

5ft (6622-6627) @8.6

Intrepid Potash workings

Fold and Fault Belt

Fold and Fault Belt

16.5

PLATE 16

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

S13 Potash Zone Thickness Map

EXPLANATION

- Oil and Gas well (well in database)
- Oil and Gas well from DOGM, unclassified
- Potash exploration hole (hole in database)
- Hite correlation well
- Well with no potash in mapped zone
- Well with potash but no API value determined
- Well with potash zone at <100 API maximum
- Well with potash zone at 100-200 API maximum
- Well with potash zone at >200 API maximum
- 15ft (5316.5-5331)@30.6 — analytical value (K20%)
- 17 — potash zone thickness (ft)
- data point
- Potash thickness contour (CI=10ft)
- 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"

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

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INDEX MAP

UTAH

Detailed Area

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