UTAH GEOLOGICAL SURVEY
a division of
Utah Department of Natural Resources

Plate 13
Utah Geological Survey Open-File Report 600
Well Database and Maps of Salt Cycles and Potash Zones of Paradox Basin, Utah

PLATE 13

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

S5 Potash Zone Thickness Map

EXPLANATION

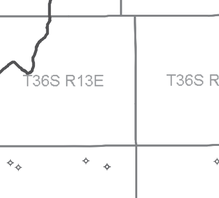
- Oil and Gas well (well in database)
- Oil and Gas well from DOGM, unclassified
- Potash exploration hole (hole in database)
- Hite correlation well
- Well with no potash in mapped zone
- Well with potash but no API value determined
- Well with potash zone at <100 API maximum
- Well with potash zone 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)
- Potash thickness contour (CI=5ft)
- 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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UGS Grant/Contract Number #112609 June 2012

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

Fold and Fault Belt

Master correlation section generally following R. Hite well selections

Intrepid Potash workings

15ft (5316.5-5331) @ 30.6
11ft (4842-4853) @ 25.0
14.5ft (5513.5-5528) @ 15.2
12.5ft (5476-5488) @ 21.5
8ft (5342.5-5350.5) @ 11.9
9.83
11.64
10.73
8.91
12.60
13.24
15.80
15.88
17.90
21.00
1.00
23.50
15.90
14.10

CARBON
EMERY
GRAND
UINTAH
WAYNE
GARFIELD
SAN JUAN
KANE