UTAH GEOLOGICAL SURVEY
a division of
Utah Department of Natural Resources

Plate 18
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

4ft (6416-6420) @ 18.0
7.5ft (6413-6420.5) @ 10.8
9.5ft (7076-7085.5) @ 8.8
14ft (7333-7347) @ 11.6
Intrepid Potash workings
22.1
>302

Fold and Fault Belt
Fold and Fault Belt

CARBON
EMERY
GRAND
UINTAH
GRAND
SAN JUAN
WAYNE
GARFIELD
SAN JUAN
KANE

PLATE 18

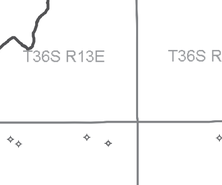
Well Database and Maps of Salt Cycles and Potash Zones of the Paradox Basin, Utah

S18 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"

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

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