

319 - 3210 ft Paradox fm
 176 - 2600' Mancos

mostly sands
 shales + siltstones

DOGMI needed to identify
 Figure 10 and
 Location - Figure 11

Geologic setting

Utah Basin + Paradox Basin - Unconformity
 Conductivity contrasts



typical well
 (515) B 40 mi north ^{west} Casia Utah
 (176) C 8 mi north Casia
 (319) A 45 mi SW Casia Paradox

Depth	overlying conductivity	conductivity	resistivity
9600	208	5.8	29.8V
2694	112	4.1	41.3
8126	125	8.1	16.6'

513 10019 180 24

176	176	
2625 Km	4.0 = 10500	$\frac{3.75}{5} \times 3500 = K_m$
325 K	5.3 = 1722	
2960	12222	
	K = 4.1	

call HFO 1.5	HFO = $\frac{k}{1.5} P$	HFO
$P = \frac{1.5}{k}$	515 = 25862	1.7
	176 = 36500	29.3
	319 = 16000	41.46
		21.0

A constant heat flow could explain more

4 6 7 8

10
20
30
40
50

PARADOX
BASIN

Went to [unclear] [unclear]

(319)

40% PARADOX FM
OTHER. MANC. LS. + SS.

UINTA
BASIN

(515)

TandK
Sands Shales + Siltstone

(176)

OVER 85% Mancos Shale - REST
CRETACEOUS AND JURASSIC SANDS AND SHALES

UNCOMP. UPLIFT