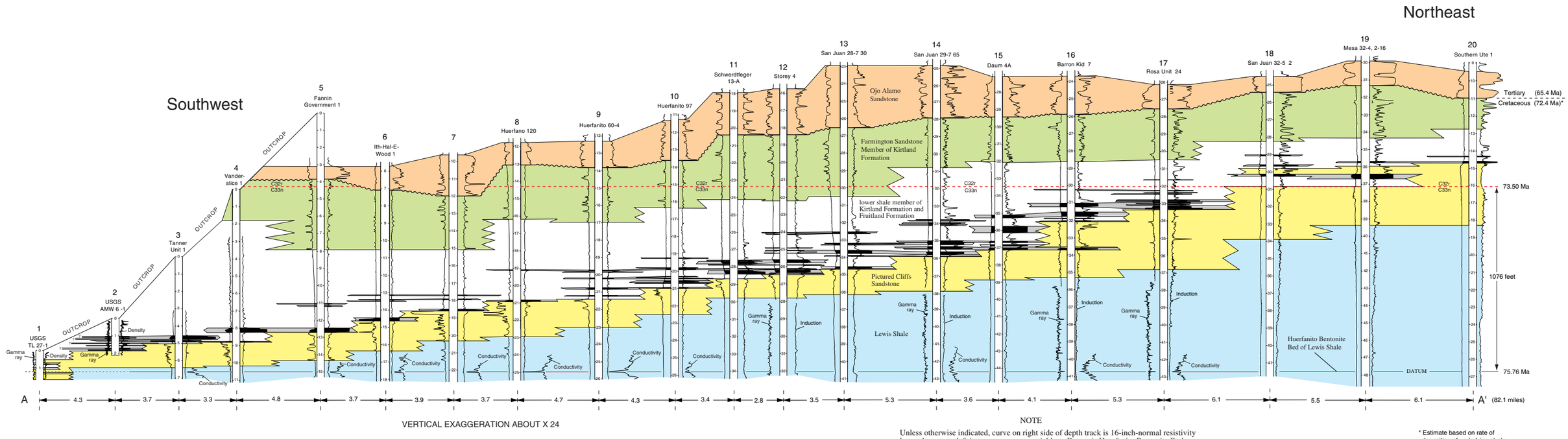


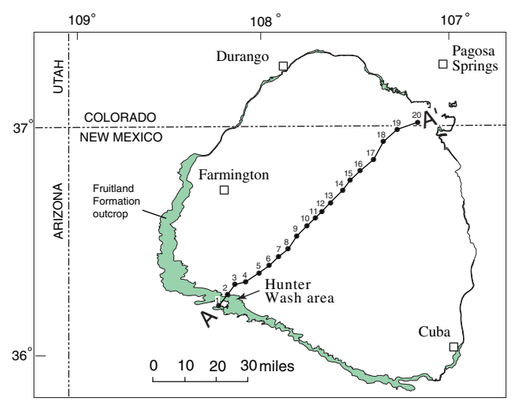
NOTE

Unless otherwise indicated, curve on right side of depth track is 16-inch-normal resistivity log and curve on left is spontaneous potential log. Datum is Huerfanito Bentonite Bed. Depths are in 100s of feet.

* Estimate based on rate of deposition of underlying strata

EXPLANATION

- Unconformity at Cretaceous-Tertiary boundary; 7-8 m.y. hiatus
- C32r / C33n — Position of magnetic-polarity reversal: chron C33n is normal polarity, chron C32r is reversed polarity
- Black areas within resistivity log curve are coal beds; gray areas show correlations of coal beds between holes
- Datum: Huerfanito Bentonite Bed; dotted where projected
- Conglomeratic sandstone (High-energy, braided streams; northerly source area)
- Fine- to medium-grained sandstones (Low-gradient intermittent small streams; southwest source area)
- Fine- to medium-grained sandstones, siltstones, mudstones, carbonaceous shales and mudstones and coals (Back shore to lower alluvial plain)
- Fine to medium-grained sandstone (Shoreface)
- Mudstone, limestone concretions, rare thin fine-grained sandstone or siltstone layers (Offshore marine)



MAP SHOWING LINE OF SECTION

List of drill holes on cross section A-A'

Hole number	Company	Drill hole name	Location T.N.	Location R.W.	Location Sec.	Location Quarter	Longitude	Latitude
1	U.S.Geological Survey	Tanner Lake 27-1	23	13	27	NE	-108.20863	36.20174
2	U.S.Geological Survey	Alamo Mesa West 6-1	23	12	6	SW	-108.16351	36.25208
3	Humble Oil & Refining	Tanner Unit 1	24	12	21	SW	-108.12527	36.29552
4	H. L. Fanning	Vanderslice 1	24	12	13	SW	-108.0684	36.30875
5	Davis Oil	Fannin Government 1	24	11	3	NW	-107.99737	36.34906
6	Sun Oil	Heirs Ith-Hal-E-Wood 1	25	10	19	SW	-107.94365	36.38110
7	El Paso Natural Gas	Lundean 1	25	10	9	NE	-107.90435	36.42016
8	El Paso Natural Gas	Huerfano 120	26	10	25	NW	-107.84311	36.45483
9	Turner & Webb	Huerfanito 60-4	26	9	4	SW	-107.79830	36.51276
10	El Paso Natural Gas	Huerfanito 97	27	9	24	SW	-107.74418	36.55835
11	El Paso Natural Gas	Schwerdtefeger 13	27	8	8	NE	-107.70009	36.59342
12	El Paso Natural Gas	Storey 4	28	8	34	NE	-107.66434	36.62203
13	El Paso Natural Gas	San Juan 28-7 30	28	7	18	SW	-107.61931	36.65882
14	El Paso Natural Gas	San Juan 29-7 65	29	7	22	NE	-107.55481	36.71582
15	El Paso Natural Gas	Daum 4-A	29	7	1	NE	-107.51615	36.75915
16	El Paso Natural Gas	Barron Kid 7	30	6	21	NE	-107.46263	36.80087
17	El Paso Natural Gas	Rosa Unit 24	31	5	32	SW	-107.39026	36.85170
18	Stanolind Oil and Gas	San Juan 32-5 Unit	32	5	35	SW	-107.33902	36.93009
19	Phillips Petroleum	Mesa Unit 32-4 2-16	32	4	16	SW	-107.26464	36.98390
20	Stanolind Oil and Gas	Southern Ute 1	32	6	22	NE	-107.15853	37.00997

List of Wells and Stratigraphic Cross Section Showing the Interval from the Huerfanito Bentonite Bed of the Lewis Shale to the Top of the Ojo Alamo Sandstone, San Juan Basin, New Mexico and Colorado

By
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Return to low-resolution version of plate