

North Spring Mountains (NS)  
N 36°27'27.75" W 116°05'12.5" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.00	-3.18	-7.04	Dol. oolite
0.10	-3.83	-8.72	Dol. oolite
0.21	-3.71	-8.28	Dol. oolite
0.30	-3.96	-8.15	Dol. oolite
0.45	-3.94	-8.21	Dol. oolite
0.50	-4.52	-10.00	Dol. oolite
0.60	-4.33	-9.27	Dol. oolite
0.70	-4.51	-8.27	Dol. oolite
0.78	-4.44	-8.99	Dol. oolite
0.92	-4.68	-8.32	Dol. oolite
1.00	-4.81	-7.79	Dol. oolite
1.20	-3.96	-9.10	Dol. oolite
1.30	-3.99	-9.16	Dol. oolite
1.40	-4.33	-8.06	Dol. oolite
1.60	-4.93	-9.08	Dol. oolite

North Spring Mountains (NSa)  
N 36°27'29.1 W 116°05'11.7" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.00	-2.83	-6.88	Dol. oolite
0.10	-3.21	-6.82	Dol. oolite
0.30	-3.40	-8.10	Dol. oolite
0.45	-3.96	-9.13	Dol. oolite
0.60	-4.41	-8.77	Dol. oolite
0.70	-4.50	-8.57	Dol. oolite
0.80	-4.19	-9.95	Dol. oolite
0.90	-4.52	-9.00	Dol. oolite
1.00	-4.70	-9.03	Dol. oolite
1.10	-4.54	-9.59	Dol. oolite
1.20	-4.83	-10.83	Dol. oolite

Resting Spring Range (RS)  
N 36°09'17.8" W 116°14'11.4" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.00	-2.86	-7.58	Dol. oolite
0.10	-3.68	-9.25	Dol. oolite
0.20	-3.62	-8.73	Dol. oolite
0.30	-3.98	-8.03	Dol. oolite
0.40	-4.08	-8.54	Dol. oolite
0.50	-4.11	-9.41	Dol. oolite
0.60	-4.29	-10.87	Dol. oolite

Resting Spring Range (RS) cont'd			
N 36°09'17.8" W 116°14'11.4" NAD27 CONUS			
stratigraphic height (m)	d13C	d18O	lithology
0.70	-4.48	-9.81	Dol. oolite
0.80	-4.45	-9.31	Dol. oolite
0.90	-4.59	-9.01	Dol. oolite
1.00	-4.73	-9.60	Dol. oolite
1.10	-5.05	-8.71	Dol. oolite
1.20	-5.19	-8.64	Dol. oolite
1.30	-5.28	-9.03	Dol. oolite
Resting Spring Range (RSa)			
N 36°09'19.4" W 116°14'08.9" NAD27 CONUS			
stratigraphic height (m)	d13C	d18O	lithology
0.00	-2.93	-7.60	Dol. oolite
0.10	-3.63	-8.85	Dol. oolite
0.20	-3.24	-8.35	Dol. oolite
0.30	-3.79	-8.71	Dol. oolite
0.40	-3.74	-8.06	Dol. oolite
0.50	-4.11	-8.05	Dol. oolite
0.60	-4.25	-9.05	Dol. oolite
0.70	-4.48	-9.68	Dol. oolite
0.80	-4.19	-9.44	Dol. oolite
0.90	-4.19	-9.24	Dol. oolite
1.00	-4.29	-8.76	Dol. oolite
1.10	-4.11	-9.99	Dol. oolite
1.20	-4.14	-8.89	Dol. oolite
1.30	-4.26	-8.54	Dol. oolite
Resting Spring Range (RSMc)			
N 36°09'17.7" W 116°14'04.2"			
stratigraphic height (m)	d13C	d18O	lithology
0.30	-4.68	-8.74	Dol. oolite
1.10	-4.83	-8.57	Dol. oolite
1.70	-5.01	-10.78	Dol. oolite
2.30	-4.97	-10.67	Dol. oolite
3.00	-5.44	-12.64	Dol. oolite
3.50	-5.86	-11.77	Dol. oolite
6.50	-7.96	-16.54	pink micritic limestone

## Southern Nopahs (SN)

N 36°49'34.2" W 116°4'48.0" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.20	-3.95	-7.97	Dol. oolite
0.44	-3.87	-7.72	Dol. oolite
0.69	-4.10	-7.78	Dol. oolite
0.94	-4.70	-10.02	Dol. oolite
1.29	-3.93	-7.67	Dol. oolite
1.68	-4.19	-7.49	Dol. oolite
1.98	-4.30	-7.19	Dol. oolite
2.27	-4.93	-8.23	Dol. oolite
2.62	-5.61	-12.91	Dol. oolite
3.02	-4.84	-8.98	Dol. oolite
3.36	-4.89	-7.81	Dol. oolite
3.71	-5.03	-7.44	Dol. oolite
4.05	-4.85	-6.88	Dol. oolite
4.35	-3.34	-5.94	Dol. oolite
14.43	-11.22	-15.73	pink micritic limestone
14.63	-11.10	-15.00	pink micritic limestone
14.76	-11.13	-15.53	pink micritic limestone
14.97	-10.53	-15.58	pink micritic limestone
15.17	-11.12	-15.85	pink micritic limestone
15.32	-11.29	-15.66	pink micritic limestone
15.52	-11.16	-14.91	pink micritic limestone
15.76	-10.19	-13.97	pink micritic limestone
16.06	-10.54	-15.20	pink micritic limestone
16.26	-11.39	-15.78	pink micritic limestone
17.44	-11.28	-15.39	pink micritic limestone
17.83	-11.47	-15.33	pink micritic limestone
18.03	-11.75	-15.70	pink micritic limestone
18.42	-11.42	-15.98	pink micritic limestone
20.04	-11.18	-15.58	pink micritic limestone
20.58	-10.90	-15.52	pink micritic limestone
21.15	-10.42	-15.95	pink micritic limestone
21.38	-10.50	-15.20	pink micritic limestone
21.58	-11.36	-15.64	pink micritic limestone
22.08	-11.35	-15.80	pink micritic limestone
23.08	-9.77	-15.44	pink micritic limestone
23.28	-11.19	-15.58	pink micritic limestone
24.78	-11.21	-15.58	intrclast congl.
25.78	-10.95	-15.68	pink micritic limestone
26.08	-11.06	-15.37	pink micritic limestone
26.93	-11.26	-15.632224	pink micritic limestone
27.42	-10.55	-15.051862	pink micritic limestone
27.67	-10.69	-15.079304	pink micritic limestone
28.07	-10.91	-15.479842	pink micritic limestone

Southern Nopahs (SN) cont'd

stratigraphic height (m)	d13C	d18O	lithology
28.41	-10.47	-14.835372	grey crystal fans
28.87	-10.73	-15.2155	pink micritic limestone
29.32	-9.87	-14.885174	intraclast congl.
31.22	-9.72	-14.798133	grey crystal fans
32.02	-10.49	-15.637236	pink micritic limestone
32.47	-9.69	-15.005108	pink micritic limestone
33.76	-10.21	-16.106914	pink micritic limestone

Johnson Canyon (JC)

36°4'55" N, 116°58'14" W NAD27 CONUS

\* this is from C. Verdel -- did you take a waypoint?

stratigraphic height (m)	d13C	d18O	Lithology
0.10	-3.81	-7.56	Dol. oolite
0.25	-4.01	-8.69	Dol. oolite
0.35	-4.39	-8.50	Dol. oolite
0.50	-4.22	-6.53	Dol. oolite
0.60	-4.54	-8.69	Dol. oolite
0.75	-4.49	-8.30	Dol. oolite
0.90	-4.91	-7.46	Dol. oolite
1.10	-4.72	-8.21	Dol. oolite
1.30	-5.03	-8.98	Dol. oolite
1.35	-4.94	-7.88	Dol. oolite
1.45	-5.39	-10.06	Dol. oolite
1.55	-5.24	-8.61	Dol. oolite
1.65	-5.57	-8.23	Dol. oolite
8.00	-8.55	-12.36	pink limestone
9.00	-8.61	-15.45	pink limestone
10.00	-9.00	-12.80	pink limestone
11.00	-10.40	-11.36	pink limestone
13.00	-10.50	-14.73	pink limestone
15.00	-11.01	-15.91	pink limestone

North Mesquite Mountains (NM)			
N 35°46'09.6" W 115°44'38.5" NAD27 CONUS			
stratigraphic height (m)	d13C	d18O	lithology
0.00	-4.83	-7.00	Dol. oolite
0.10	-4.71	-7.11	Dol. oolite
0.19	-4.76	-7.60	Dol. oolite
0.29	-4.69	-7.67	Dol. oolite
0.40	-4.08	-7.32	Dol. oolite
0.50	-4.97	-8.83	Dol. oolite
0.60	-4.76	-6.96	Dol. oolite
0.70	-4.68	-7.41	Dol. oolite
0.80	-5.04	-8.76	Dol. oolite
0.90	-4.57	-7.60	Dol. oolite
1.00	-5.07	-8.45	Dol. oolite
1.20	-5.13	-8.41	Dol. oolite
1.30	-5.02	-8.01	Dol. oolite
1.40	-5.24	-7.88	Dol. oolite
1.50	-5.34	-7.92	Dol. oolite
1.60	-5.31	-7.58	Dol. oolite
1.70	-5.47	-7.46	Dol. oolite
1.80	-5.52	-8.30	Dol. oolite
1.90	-5.79	-10.69	Dol. oolite
2.00	-5.38	-7.67	Dol. oolite
2.10	-5.57	-8.42	Dol. oolite
2.20	-5.36	-7.07	Dol. oolite
2.30	-5.62	-6.61	Dol. oolite
2.40	-5.72	-6.66	Dol. oolite
2.50	-5.88	-6.79	Dol. oolite
2.60	-5.82	-6.24	Dol. oolite
2.70	-6.04	-6.31	Dol. oolite
2.80	-6.01	-6.34	Dol. oolite
30.00	-10.87	-8.23	pink oolitic limestone
48.00	-9.90	-8.95	pink oolitic limestone

North Mesquite Mountains (NMa)			
N 35°46'11.7" W 115°44'38.0" NAD27 CONUS			
stratigraphic height (m)	d13C	d18O	lithology
0.05	-4.45	-6.36	Dol. oolite
0.10	-3.92	-6.15	Dol. oolite
0.15	-4.63	-8.80	Dol. oolite
0.30	-4.50	-8.18	Dol. oolite
0.40	-4.84	-8.27	Dol. oolite
0.50	-4.82	-7.82	Dol. oolite
0.60	-4.51	-7.21	Dol. oolite
0.70	-5.18	-8.36	Dol. oolite

North Mesquite Mountains (NMa) cont'd  
 N 35°46'11.7" W 115°44'38.0" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.80	-5.04	-8.32	Dol. oolite
0.90	-5.11	-8.60	Dol. oolite
1.00	-5.24	-8.10	Dol. oolite
1.10	-5.33	-8.31	Dol. oolite
1.20	-5.44	-8.03	Dol. oolite
1.30	-5.44	-8.30	Dol. oolite
1.40	-5.48	-8.25	Dol. oolite
1.50	-5.36	-7.41	Dol. oolite
1.60	-5.33	-7.19	Dol. oolite
1.80	-5.25	-7.98	Dol. oolite
1.90	-5.48	-7.16	Dol. oolite

Salt Spring Hills (SS)  
 N 35°35'42.3" W 116°16'20.9" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.10	-5.52	-8.06	Dol. oolite
0.20	-5.79	-7.66	Dol. oolite
0.30	-5.89	-7.58	Dol. oolite
0.40	-5.93	-7.45	Dol. oolite
0.50	-5.97	-7.48	Dol. oolite
0.60	-5.73	-7.10	Dol. oolite
0.70	-5.73	-7.06	Dol. oolite
0.80	-5.64	-7.15	Dol. oolite
0.90	-5.93	-7.33	Dol. oolite
1.00	-5.97	-7.49	Dol. oolite
1.10	-5.88	-7.40	Dol. oolite
1.20	-5.97	-7.42	Dol. oolite
1.30	-6.04	-7.52	Dol. oolite
1.40	-6.13	-7.56	Dol. oolite
1.50	-6.01	-7.30	Dol. oolite

Salt Spring Hills (SSa)  
 N 35deg35'40.8" W 116deg16'20.6" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.00	-5.79	-10.84	Dol. oolite
0.10	-6.11	-7.90	Dol. oolite
0.20	-6.21	-7.55	Dol. oolite
0.30	-5.98	-7.26	Dol. oolite
0.40	-6.11	-7.20	Dol. oolite
0.50	-6.14	-7.33	Dol. oolite
0.60	-6.25	-7.40	Dol. oolite

Salt Spring Hills (SSa) cont'd			
N 35°35'40.8" W 116°16'20.6" NAD27 CONUS			
0.70	-6.13	-7.18	Dol. oolite
0.80	-6.13	-7.18	Dol. oolite
0.90	-6.57	-7.00	Dol. oolite
1.00	-7.13	-6.80	Dol. oolite
1.10	-6.95	-6.79	Dol. oolite
1.20	-7.19	-7.17	Dol. oolite
1.30	-6.67	-7.05	Dol. oolite
1.40	-6.81	-7.45	Dol. oolite
1.50	-6.62	-7.29	Dol. oolite
1.60	-6.38	-7.80	Dol. oolite
1.70	-7.45	-6.73	Dol. oolite
1.80	-6.32	-6.89	Dol. oolite
1.90	-6.33	-6.89	Dol. oolite
2.00	-6.93	-7.25	Dol. oolite

Old Dad Mountains (OD)			
N 35°10'47.1" W 115°52'57.9" NAD27 CONUS			
stratigraphic height (m)	d13C	d18O	lithology
-1.15	-1.27	-11.11	massive dolstne
-1.00	-1.57	-11.24	massive dolstne
0.00	-1.82	-9.32	laminated dolstne
0.10	-1.81	-9.22	Dol. oolite
0.20	-2.77	-8.68	Dol. oolite
0.30	-2.40	-6.92	Dol. oolite
0.40	-3.20	-8.56	Dol. oolite
0.50	-1.99	-6.32	Dol. oolite
0.60	-3.08	-6.81	Dol. oolite
0.70	-3.89	-8.22	massive dolstne
0.85	-4.26	-6.46	massive dolstne
0.90	-3.87	-7.02	massive dolstne
1.00	-3.86	-7.01	massive dolstne
1.10	-4.04	-7.64	massive dolstne
1.20	-4.25	-7.08	massive dolstne
1.30	-4.21	-6.67	massive dolstne
1.40	-4.25	-6.90	massive dolstne
1.50	-4.21	-8.58	massive dolstne
1.60	-4.85	-8.28	massive dolstne
1.70	-4.61	-6.11	massive dolstne
1.80	-4.38	-6.89	massive dolstne
2.00	-5.11	-7.73	massive dolstne
2.10	-5.00	-10.36	massive dolstne
2.20	-6.65	-7.06	massive dolstne
2.30	-5.06	-8.45	massive dolstne
67.75	-9.20	-6.76	x-bedded grainstone

Old Dad Mountains (OD) cont'd  
 N 35°10'47.1" W 115°52'57.9" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
69.75	-7.52	-2.40	x-bedded grainstone
70.50	-8.36	-5.46	x-bedded grainstone
71.50	-10.06	-6.12	x-bedded grainstone

Old Dad Mountains (ODa)  
 N 35°10'47.5" W 115°52'54.2" NAD27 CONUS

stratigraphic height (m)	d13C	d18O	lithology
0.00	-1.42	-10.25	laminated dolstne
0.20	-1.30	-10.48	laminated dolstne
0.60	-1.55	-10.21	laminated dolstne
0.80	-1.44	-9.49	laminated dolstne
1.00	-1.49	-10.52	laminated dolstne
1.20	-1.54	-10.06	laminated dolstne
1.40	-1.78	-9.19	laminated dolstne
1.60	-2.53	-9.21	laminated dolstne
1.70	-2.81	-10.01	laminated dolstne
1.80	-3.23	-7.33	Dol. oolite
1.90	-3.43	-9.03	Dol. oolite
2.00	-3.53	-8.32	Dol. oolite
2.15	-3.97	-6.96	Dol. oolite