DOWN
Construction
Preliminary Data
Adams Ranch

Aquifer System Monitor Wells:
Surficial OS-0227
Intermediate OS-0229
Floridan OS-0230

SJRWMD Program No. 31-58200

Division of Ground Water Programs,
Department of Resource Management
St. Johns River Water Management District
Palatka, Florida

October 5, 1999

All data, figures, tables and information are provisional and generated for the Division of Ground Water Program's use.

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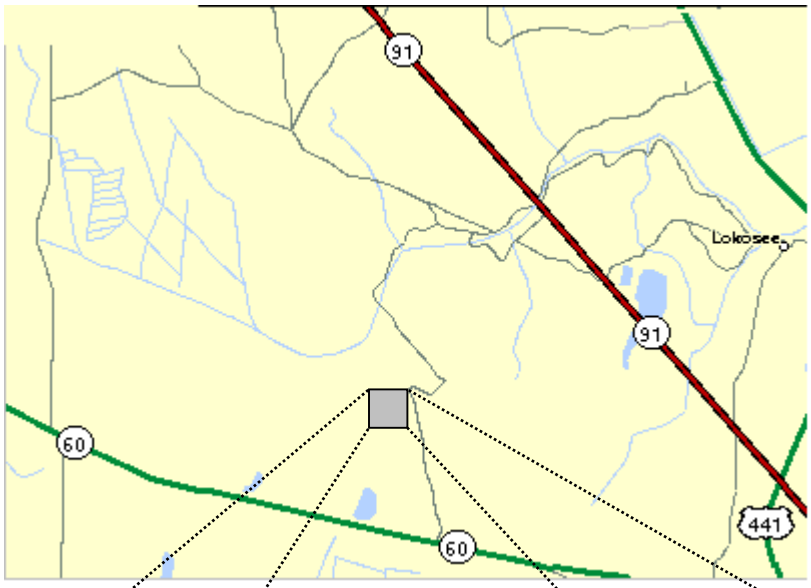

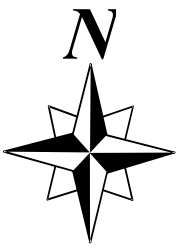

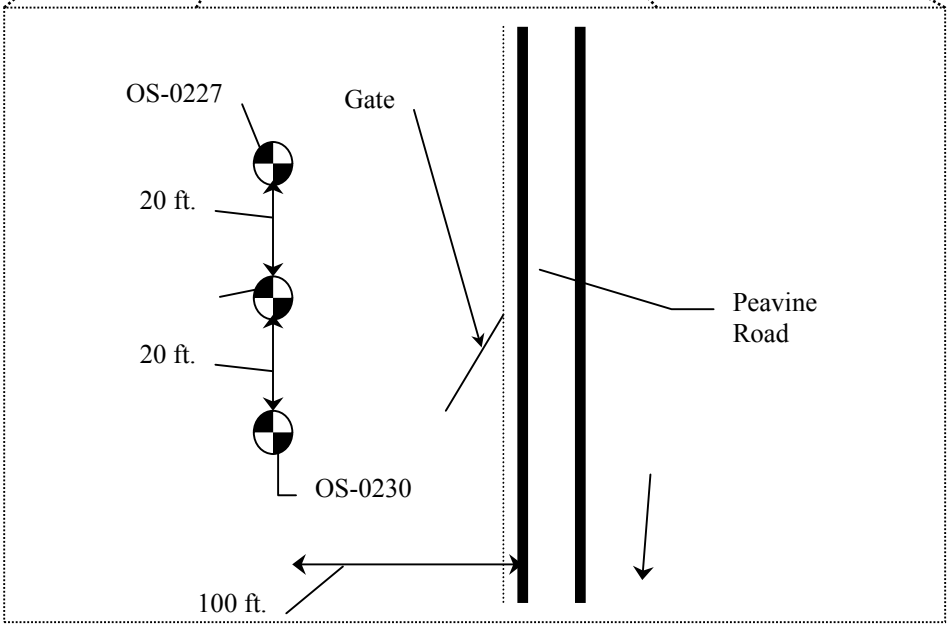

Site:	Adams Ranch
Lat/Long:	274828/810109
TRS:	31S 33E 31
Topo:	Lake Marian
Site Elevation:	~73 ft NGVD
Project No:	031-58200

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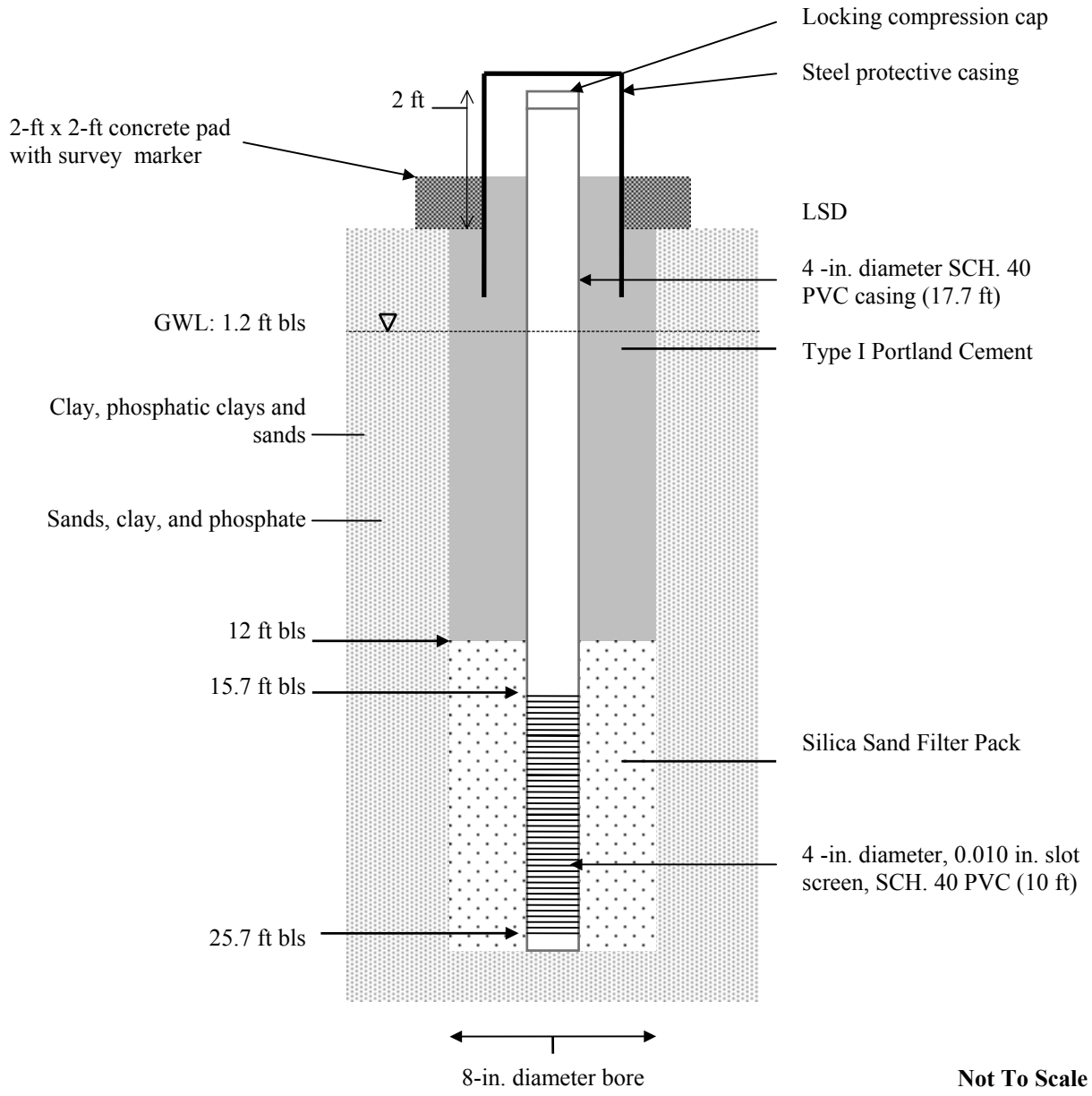
Figure 1. Site Map



Site:	Adams Ranch
Driller:	Florida Geological Survey
Well Completed:	July 27, 1997

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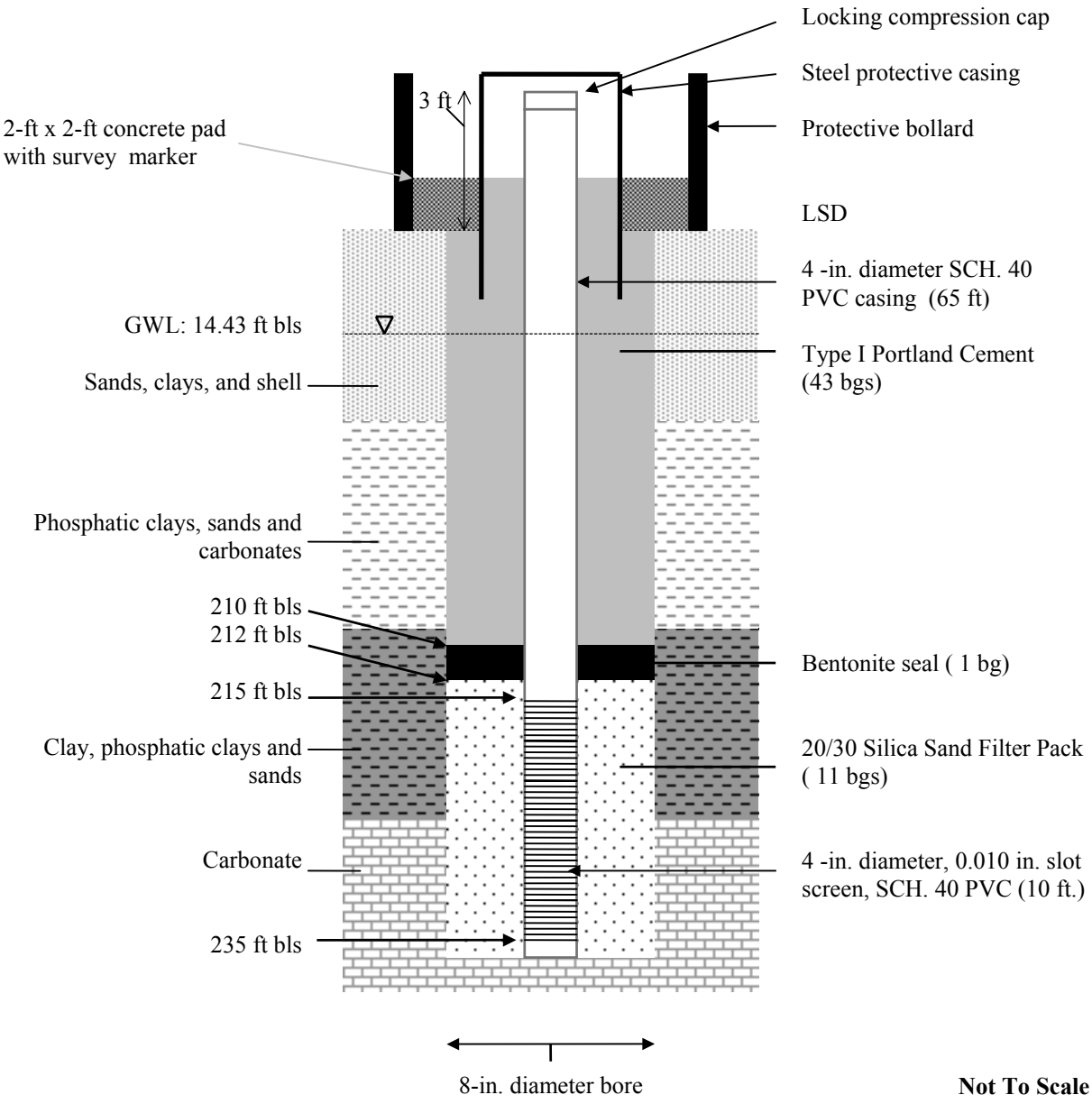
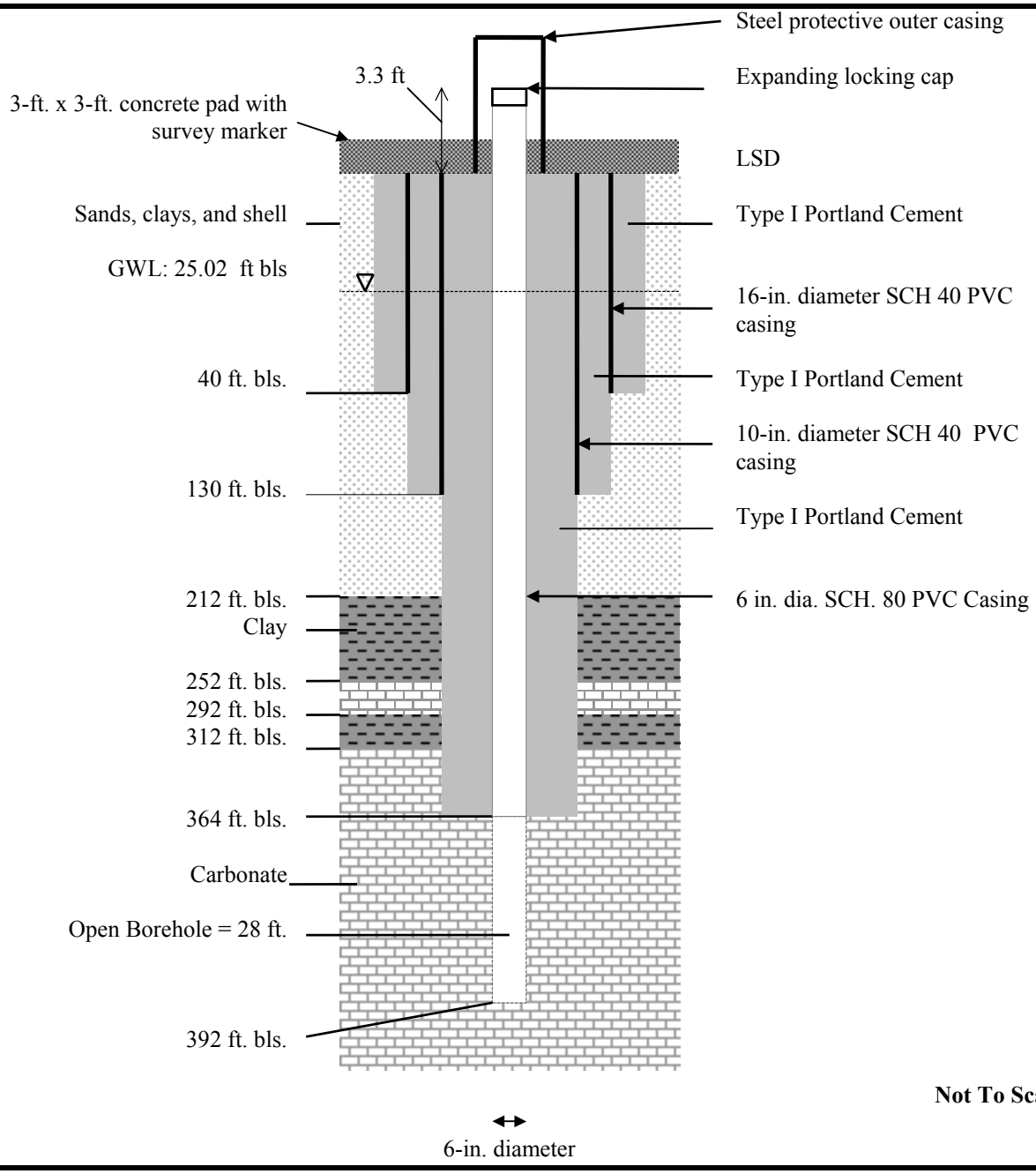
Figure 2. Surficial Monitor Well: OS-0227



Site: Adams Ranch	**SJRWMD**
Driller: Huss Drilling Co.	
Well Completed: March 31, 1998	**Figure 3. Intermediate Monitor Well: OS-0229**



Site:	Adams Ranch
Driller:	SJRWMD-DOWN
Well Completed:	October 29, 1998

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Figure 4. Floridan Monitor Well: OS-0230

Table 1. Groundwater Levels

Well No.	Date/Time (yy:mm:dd/hh:mm)	DTW (ft, TOC)	TOC Stick Up (ft.)
OS-0227	970418/NR	1.2	2.0
OS-0229	980331-1719	24.2	3.0
OS-0230	981029-1124	28.32	3.3

Table 2. Groundwater Quality

LAB ✓	Well No.	Date/Time (yy:mm:dd/hh:mm)	Sample Depth (ft, bls)	Open Hole (ft, bls)	Temp (Deg C)	Chlorides (mg/L)	Conductivity (us/cm)
√	OS-0229	980331-1719	235	NA	NR	NA	750
√	OS-0230	981029-1018	364	392	24	155	804

Note: OS-227 water quality data not available.

Table 3. Grout Data: Intermediate Monitor Well No. OS-0229

DATE	TAG DEPTH (ft bls)	ANNULUS/ BORE (in. dia.)	VOLUME (YARDS/BAGS)	GROUT/ MATERIAL	COMMENTS
03/27/98	235	8-A	11 bgs	20/30 Silica Sand	Set 20 ft. of 0.01 in slot 45 in. dia. SCH. 40 screen from 215 ft bls to 235 ft bls
03/27/98	212	8-A	1 bg.	Bentonite Holeplug	Bentonite seal poured from TOC
03/27/98	210	8-A	43 bgs.	Type I Grout	Grout annulus from 210 ft bls to LSD

Table 4 Grout Data: Floridan Monitor Well No. OS-0230

DATE	TAG DEPTH (ft bls)	ANNULUS/ BORE (in. dia.)	VOLUME (YARDS/BAGS)	GROUT/ MATERIAL	COMMENTS
10-07-98	40	20-A	20 bgs	Type I Portland	Grout 16 in. dia. SCH. 40 PVC casing in place from 40 ft. bls.
10-07-98	17	20-A	10 bgs	Type I Portland	Tremie grout 16 in. dia. SCH. 40 PVC casing to LSD
10-20-98	68	15-A	20 bgs	Type I Portland	Grout 10 in. dia. SCH. 40 PVC casing in place from 40 ft. bls. to LSD
10-27-98	352	10-A	19 bgs	Type I Portland	Grout 6 in. dia. SCH. 80 PVC casing in place from 352 ft. bls.
10-28-98	246	10-A	57 bgs	Type I Portland	Tremie grout 6 in. dia. SCH. 80 PVC casing to LSD

Lithologic Description

Site: Adams Ranch **Well ID:** OS-0227

Samples Described By: Florida Geological Survey

From (ft)	To (ft)	Lithology
0	3	Sand, gray-brown, medium-fine, with organic material
3	3.5	Sand, gray-brown-black, medium-fine, with organic material
3.5	5	Sand, brown, fine, with organic material
5	6	No sample
6	7	Sand, light gray-brown, medium-fine, with organic material and clay
7	24.5	Sand, gray-brown-white, medium-fine
24.5	41.4	Sand, gray-brown-white, medium-fine, with clay
41.4	45	Sand, gray-olive gray, medium-fine, with clay
45	47	Sand, gray-olive gray, medium-fine
47	47.5	Sand, light gray-light bluish gray, medium-fine

Lithologic Description

Site: Adams Ranch **Well ID:** OS-0229

Samples Described By: John Sego

From (ft)	To (ft)	Hammer Blow Counts	Lithology
0	0	NA	Sand, med-fine, with organic material
4	6	5/4/5/4	Sand, med-fine, tan, with some silt
9	11	6/5/5/5	Sand, med-fine, light-brown-pink, with silt, shell fragment layer at 9 ft bls to 9.5 ft bls
14	16	5/5/5/5	Sand, med-fine, tan, with silt
19	21	6/5/4/3	Sand, med-fine, tan, with silt and gray med sand lenses from 20.5 ft bls to 21 ft bls
24	26	6/6/6/6	Sand, med, tan, with fine sand and silt
29	31	4/5/4/5	Sand, med-fine Sand, med, tan, with fine sand, silt, and sand, med-fine, dark brown from 30.5 ft bls to 30.75 ft bls
34	36	Hmr Wt./Hmr Wt./1/1	Sand, med-fine, gray-dark gray, with silt
39	41	Hmr Wt./Hmr Wt./2/2	Sand, med-fine, gray-olive green-brown and clay, mottled with pinpoint of black sand, clay and heavy minerals
44	46	1/1/2/4	Sand, med-fine, gray, with some silt and trace heavy minerals
49	51	4/7/7/8	As above
54	56	Hmr Wt./Hmr Wt./ Hmr Wt./2	Sand, coarse-fine, gray, with lenses of indurated silt, brown, and gray clay to 55.5 ft bls, then clay, gray, with fine sand
59	61	3/4/4/5	Clay, gray, calcareous, stiff to malleable and sand, fine, with shell fragments 1 cm to 1 mm in size
64	66	2/3/3/4	As above
69	71	3/2/3/3	As above
74	76	5/4/4/4	Clay, gray, calcareous, with light gray-white-tan clay matrix, and more shell material, this interval is less indurated than above
79	81	3/1/2/3	Sand, fine, and clay, gray-tan, with shell fragments, and some heavy minerals, more indurated than 74-76 ft bls interval
84	86	3/3/3/3	As above
89	91	9/8/8/9	Sand, fine, and clay, gray-tan, with large shell fragments, sulfurous odor detected
99	101	7/5/6/6	As above

Lithologic Description

Site: Adams Ranch **Well ID:** OS-0229

Samples Described By: John Sego

From (ft)	To (ft)	Hammer Blow Counts	Lithology
104	106	5/7/8/8	Sand, fine, and clay, light gray-olive color, with large shell fragments
109	111	3/3/4/5/	Sand, fine, and clay, light gray-olive color, with shell fragments
114	116	3/3/5/7	Sand, med-fine, olive gray, with clay and shell fragments
119	121	2/3/5/7	Clay, dark green-olive, with fine sand and trace shell fragments
124	126	NR	As above
129	131	3/5/6/7	Clay, olive-dark green, with med-fine sand
134	136	3/3/6/7	Clay, olive-dark green, with med-fine sand, weathered shell beds, and trace phosphate
139	141	2/2/6/6	Clay, olive-dark green, with med-fine sand with shell material
144	146	4/6/8/7	Clay, olive-dark green, with med-fine sand and shell and phosphate
149	151	3/3/4/6	As above
154	156	4/5/7/11	Clay, olive-dark green, with med-fine sand, with gray sand lenses
159	161	3/3/9/4	As above
164	166	4/6/8/15	As above
169	171	3/5/14/7	As above
174	176	5/10/10/15	Clay, dark green and silt, with phosphate and dolomitized
179	181	5/7/12/15	As above , more clay than silt, stiff, dry
184	186	5/13/17/20	As above to 185 ft bls, then sand, med-fine, dark green, with some clay and silt, phosphatic
189	191	5/13/15/17	Clay, dark green and silt, with phosphate and dolomitized
194	196	6/10/18/26	Sand, coarse-medium, dark green and clay, phosphatic
204	206	8/3/20/25	As above
209	211	6/8/33/50-5 in.	Sand, med-fine, dark green and silt, with clay and shell fragments, less phosphatic
214	216	16/20/23/27	Sand, med-fine, gray, phosphatic, with some silt
218	235	NA	Limestone, phosphatic, sandy, moldic porosity, with some sand and clay

Lithologic Description

Site: Adams Ranch **Well ID:** OS-0230

Samples Described By: A. Story

From (ft)	To (ft)	Lithology
132	212	Clay, green, with some shell and phosphate
212	230	Sandstone, tan, poorly indurated, with phosphate and tan clay
230	252	Clay, green, with chert, black, and phosphate
252	292	Limestone, buff colored, poorly indurated, with clay, buff colored, and phosphate
292	303	Clay, dark green, with phosphate and chert
303	312	Clay, green, with phosphate and sandstone
312	328	Limestone, white, poorly indurated, phosphatic
328	335	Chert, gray-lite tan
335	380	Limestone, off-white, poorly indurated, fossiliferous (*Lepidocyclina*)
380	392	Limestone, light tan, moderately indurated