MCF 31B

STATE OF NEVADA
DIVISION OF WATER RESOURCES
WELL DRILLER'S REPORT

OFFICE USE ONLY
Log No. 109386
Permit No.
Basin

PRINT OR TYPE ONLY
DO NOT WRITE ON BACK

Please complete this form in its entirety in accordance with NRS 534.170 and NAC 534.340

34180

NOTICE OF INTENT NO.

1. OWNER City of Henderson
MAILING ADDRESS 240 Water St PO Box 95050 Henderson NV 89009
ADDRESS AT WELL LOCATION 1650 E Gallerian
Subdivision Name: County: Clark

2. LOCATION SE ¼ SE ¼ Sec 29 T 21 N/S R 63 E
PERMIT/WAIVER No. H-000688 | 16029801003
Issued by Water Resources Parcel No.
Latitude 36.05.170 UTM E ☐ NAD 27
Longitude 114 58.008 N ☒ NAD 83/WGS 84

3. WORKED PERFORMED
☒ New Well ☐ Replace ☐ Recondition
☐ Deepen ☐ Other

4. PROPOSED USE
☐ Domestic ☐ Irrigation ☐ Test
☐ Municipal/Industrial ☒ Monitor ☐ Stock

5. WELL TYPE
☐ Cable ☐ Rotary ☐ RVC
☐ Air ☒ Other Sonic Drill

6. LITHOLOGIC LOG

Material	Water Strata	From	To	Thickness
attached Log				

Date started: 6-4, 20 09
Date completed: 6-8, 20 09

7. Water Level
Static water level: 14.4" feet below land surface
Artesian Flow: G.P.M. P.S.I.
Water Temperature: °F
Quality:

8. WELL TEST DATA
TEST METHOD: ☐ Bailer ☐ Pump ☐ Air Lift

G.P.M.	Draw Down (Feet Below Static)	Time (Hours)

9. WELL CONSTRUCTION
Depth Drilled 230 Feet Depth Cased 230 Feet

HOLE DIAMETER (BIT SIZE)

		From		To	
8"	Inches	0	Feet	230	Feet
	Inches		Feet		Feet
	Inches		Feet		Feet

CASING SCHEDULE

Size O.D. (Inches)	Weight/Ft. (Pounds)	Wall Thickness (Inches)	From (Feet)	To (Feet)
4"	PVC	Sch 80	0	230

Perforations:
Type of perforation Slotted Sl Riech
Size of perforation 0.010
From 210 feet to 230 feet
From feet to feet
From feet to feet
From feet to feet
From feet to feet

Annular Seal: ☐ Yes ☐ No
☐ Neat Cement to ☐ Pumped ☐ Poured
☐ Cement Grout to ☐ Pumped ☐ Poured
☒ Concrete Grout 0 to 2005 ☒ Pumped ☐ Poured
☐ =30% Bentonite Grout to ☐ Pumped ☐ Poured

Gravel Pack: ☒ Yes ☐ No 205 to 230 ☐ Pumped ☒ Poured
Type: Cemex Sand 2/16
Bentonite Chips: ☒ Yes ☐ No 2005 to 205 ☐ Pumped ☒ Poured
Type: Time Release Hole Plug

10. DRILLER'S CERTIFICATION
This well was drilled under my supervision and the report is true to the best of my knowledge.
Name Eage Drilling
Contractor
Address 7150 Placid Street
Contractor
Las Vegas NV 89119
Nevada contractor's license number issued by the *State Contractor's Board* 51266
Nevada driller's license number issued by the Division of Water Resources, the ~~on-site driller~~ 2097
Signed [signature]
By driller performing actual drilling on site or contractor
Date 9-6-09

USE ADDITIONAL SHEETS IF NECESSARY

DCNR/DWR RECEIVED
SEP 01 2009
LAS VEGAS OFFICE

(Rev. 05-06)

GES	Job Name: BRC MONITOR WELLS	Boring No. MCF-31

Job No. 20092509V1	Start:	Location: See fig. 2
	End:	
Total Depth:	Groundwater	Comments: 6.5': TMEF encountered. Well Construction Information: 0'-347.5': "Neat" Cement Grout 347.5'-353.5': 3/8" Bentonite Pellets 353.5'-381': #2-/16 Sand 0'-361': 4" Schedule 80 PVC Riser Pipe 361'-381': 4" Schedule 80 PVC 0.010-slot Screen
Elevation: 1529'	Depth: Date: Time:	
Equipment: "Sonic" Drill Rig	Type of Bit: 6" O.D. Sonic Core Barrel	
Hammer (lbs/inches): 140 #/30"	Driller: Shaun Sears	Surface Dry Density (pcf): / Surface Moisture Content (%):
Surface Condition: Leveled Native	Logger: Monty Mehlhorn	

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				SM	Qal: Light yellowish brown (10YR 7/4) silty SAND (~20% silt, ~~60%~~ 70% sand (subrounded, well-graded, (~25% cs, 30% ms, 45% fs)), 10% gravel (subangular, poorly graded, ~20% cg, 80% fg)), moist, v. dense, homogeneous, strong reaction to HCl, sand: ~80% felsics, 20% mafics; gravel: ~90% dacite, 10% andesite.		
1							1
2							2
		MCF-31A-3, pH=9.08					
3							3
3.5'				~~CAL~~ CALI	3.5': CALI: White (10YR 8/1) CALICHE (~100% med. crystalline/granular carbonate), moist, moderately-strongly cemented, stratified (1.0"-2.0" thick layers), strong reaction to HCl, abrupt contact w: 6.5': SM: Pale yellow (2.5Y 7/3) silty SAND (~30% silt, 70% sand (subrounded, poorly graded, ~20% ms, 80% fs)), moist, v. dense, weakly-		
4							4
5							5
6							6
6.5'							
7	Run #1			SM			7
8							8
9							9
10							10
11	Run #2						11
12							12

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509U1	Start: / End:	Location: See fig. 2

Depth (feet)	REC	Sample Type	Blows/ 6 Inches	USCS	Description	Pene-trometer	Depth (feet)
				SM	moderately cemented, laminated		
13					(0.25"-0.5" thick layers),		13
					strong reaction to HCl.		
14					...at 13': light greenish gray		14
					(Gley 1, 7/10Y), ~30% granular		
15					gypsum, 0.5"-1.0" thick		15
	Run #2				silt (ML) laminae.		
16							16
17		MCF-31A-17,			...sample #MCF-31A-17		17
		pH=8.64			(10' below Qal/TMCF).		
18							18
19	Run #3						19
20					... light brown (7.5YR 6/4)		20
21							21
22							22
23							23
24		MCF-31A-24,			...wet (23.5'-24.5'), sample		24
		pH=8.40			#MCF-31A-24		
25				ML	Light brown (7.5YR 6/4)		25
					SILT (~80% silt, trace		
26					sand, ~20% gypsum as		26
	Run #4				fs-sized grains/matrix		
27					cement), moist, weakly-		27
					moderately cemented, v. stiff,		
28					laminated, weak reaction		28

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509V1	Start: / End:	Location: See fig. 2

Depth (feet)	REC	Sample Type	Blows 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				ML	to HCl		
29	Run#4						29
30							30
31							31
32		MCF-31A-32,			...moderately - strongly		32
		MCF-31A-32-			cemented		
33	Run#5	FD, pH=8.67			...abrupt contact w/:		33
				CL	Mottled/layered reddish		
34					yellow (5YR 6/6) and lt.		34
					greenish gray (GLey 1, 7/5G)		
35					lean CLAY (~80% lean clay,		35
					trace sand, ~20% cs-ms		
36					sized gypsum), moist, v. stiff,		36
				ML	laminated, weak reaction		
37					to HCl, abrupt contact with:		37
					36': ML: Light yellowish brown		
38					(10YR 6/4) SILT (~75% silt,		38
		MCF-31A-40,		SP-SM wet	trace sand, 25% gypsum		
39		pH=8.63			as cs-sized grains, matrix		39
					cement), moist, mod-strongly		
40					cemented, laminated (1"-2"		40
				CL	layers), weak reaction to		
41					HCl, contact abrupt w/:		41
					38': SP-SM: Light gray (GLey1		
42	Run#6				7/N) poorly graded SAND w/		42
					silt (~10% silt, 90% sand(		
43					subrounded, ~10% ms, 90% fs),		43
					wet, v. dense, stratified		
44					(2"-6" thick beds), strong		44

GES	Job Name: BRC monitor Wells	Boring No. MCF-31
Job No. 20092509W	Start: / End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				CL	reaction to HCl, abrupt		
45	Run #6				contact with:		45
					40': CL: Light greenish		
46					gray (GLey 1, 8/5GY) lean		46
				ML	CLAY (~70% lean clay, trace		
47					sand, ~30% gypsum as matrix		47
					cement, cs-sized grains,		
48					and clear, randomly-oriented		48
					crystals), moist, weakly		
49					cemented, v. stiff, stratified		49
					(1"-2" beds), weak reaction		
50					to HCl, gradational contact w/:		50
					46': ML: Pale brown (10YR6/3)		
51					SILT (~80% silt, trace sand,		51
					~20% gypsum)), moist, weakly		
52	Run #7				cemented, v. stiff, laminated		52
				CALI	(0.25"-1.0" thick beds),		
53					weak reaction w/HCL.		53
					...51': light greenish gray		
54					(Gley 1, 7/5GY), ~40% granular		54
	Run #8			ML	gypsum, abrupt contact w/:		
55					52': CALI: Light greenish		55
					gray (Gley 1, 7/5GY) CALICHE		
56	mm				(~20% silt, 60% granular		56
					gypsum, 20% carbonate		
57		MCF-31A-57,			(calcite)), moist, ~~to~~ mm moderately		57
		pH=8.06			-strongly cemented, stratified,		
58					(2"-4" thick beds), strong		58
					reaction to HCl, abrupt		
59	Run #8				~~reaction~~ contact w/:		59
					54': ML: Light greenish		
60					gray (GLey 1, 7/5GY) SILT		60

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509U1	Start: End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				CL	(~80% silt, trace sand,		
61					~20% granular gypsum),		61
					moist, weakly cemented,		
62					v. stiff, stratified, strong		62
					reaction to HCl.		
63					...56': yellowish brown		63
					(10YR 5/4).		
64					...59': light greenish gray		64
					(Gley 1, 8/10GY).		
65					60': CL: Light greenish		65
					gray (Gley 1 8/10GY) lean		
66					CLAY (~80% lean clay, trace		66
	Run #9				sand, ~20% gypsum as		
67					cloudy, randomly oriented		67
					crystals, trace organic		
68					matter), moist, v. stiff,		68
				ML	homogenous, strong reaction		
69					to HCl, abrupt contact w/:		69
					68': ML: Light yellowish brown		
70					(10YR 6/4) SILT (~75% silt,		70
				CL	trace sand, ~25% gypsum		
71					as matrix cement/fs-sized		71
					grains), moist, weakly-		
72					moderately cemented, v. stiff,		72
					laminated (0.25" thick beds),		
73					weak reaction to HCl.		73
					70': CL: Light greenish		
74	Run #10				gray (Gley 1, 7/10GY) lean		74
					CLAY (~80% lean clay, trace		
75					~~gyp~~ sand, 20% gypsum as		75
					matrix cement and cs-		
76					sized grains), moist, strongly		76

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509V1	Start: - / End: -	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
	Run #10			CL	cemented, v. stiff, laminated (0.25"-0.5" thick laminae), weak reaction to HCl, past 72': brown (10YR 4/3).		
77							77
78							78
79	Run #11						79
80					...same as above; cementation gradually weakens.		80
81							81
82							82
83					...abrupt contact with:		83
84				CH	Light greenish gray (Gley 1, 7/10GY) fat CLAY (~75% fat clay, trace sand, ~25% gypsum as cs-sized grains), moist, weakly-moderately cemented, v. stiff, lamininated (0.5" thick laminae), weak reaction to HCl.		84
85							85
86							86
87							87
88	Run #12			CL	...at 85': grayish brown (10YR 5/2), abrupt contact w:/ 87.5': CL: Dark yellowish brown (10YR 4/4) lean CLAY (~90% lean clay, trace sand, ~10% gypsum as fs-sized grains, veinlets, matrix cement), moist, weakly cemented, v. stiff, stratified (0.5"-1.0" beds), no reaction		88
89							89
90							90
91							91
92							92

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509V1	Start: / End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				CL	to HCl.		
93							93
94					...abrupt contact w/:		94
95	Run #12			ML	Yellowish brown (10YR 5/4) SILT (~90% silt, trace sand, ~10% gypsum as fs-sized grains), moist, weakly cemented, v. stiff, stratified (0.5"-1.0" thick beds), weak reaction to HCl.		95
96							96
97							97
98							98
99					...same as above, contact abrupt with:		99
100		MCF-31A-100, pH=7.72		ML wet	Light brownish gray (10YR 6/2) sandy SILT (~65% silt, 30% sand (subrounded, poorly graded, ~10% ms, 90% fs), ~5% gypsum as matrix cement), wet, weakly cemented in nodules and layers, v. stiff, laminated (0.125"-0.25" beds), weak reaction to HCl, abrupt contact w/: 100.5': ML: Yellowish brown (10YR 5/4) SILT (~80% silt, trace sand, ~20% gypsum as fs-sized grains/matrix cement), moist, weakly cemented, v. stiff, laminated (0.125"-0.5" thick beds, weak reaction to HCl.		100
101				ML			101
102							102
103	Run #13: 98'-107'						103
104							104
105							105
106							106
107							107
108	Run #14						108

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509U1	Start: / End	Location:

Depth (feet)	REC	Sample Type	Blows 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				ML	...same as above, mottled light greenish gray (Gley1, 5mm 7/5GY).		
109							109
110		MCF-31A-110			...~50% granular gypsum and matrix cement, contact abrupt with:		110
111	Run #14	~100' below Qal/TMCF contact, pH= 7.34		CL	Yellowish brown (10YR 5/4) lean CLAY (~90% lean clay, trace sand, ~10% gypsum as fs-sized grains/matrix cement), moist, weakly cemented, v. stiff, laminated (0.25"-0.5" beds) with silt interbeds, weak reaction to HCl.		111
112							112
113							113
114							114
115							115
116					...same as above; ~20% gypsum as clear, randomly-oriented 0.25" long euhedral crystals, silt beds become absent.		116
117							117
118							118
119							119
120	Run #15: 113'-127'						120
121							121
122					...same as above.		122
123							123
124							124

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509V1	Start: End:	Location:

Depth (feet)	REC	Sample Type	6 Inches	USCS	Description	Pene-trometer	Depth (feet)
				CL	...1.0' thick bed of clear,		
125					randomly-oriented euhedral		125
					gypsum crystals ~1.0" long,		
126	Run #15				~40% total gypsum		126
127							127
					...strong brown (7.5YR 4/6),		
128					~15% gypsum as cs-sized		128
					grains and matrix cement.		
129							129
130					...mottled light greenish		130
					gray (Gley1, 7/5GY) in		
131	Run #16: 127'-137'				irregular nodules and		131
					randomly-spaced beds.		
132							132
					...stratified (10 mm thick		
133					beds).		133
134							134
135							135
136					...pale brown (10YR 6/3)		136
					...brown (7.5YR 5/4)		
137							137
					...mottled pale brown (10YR 6/3)		
138					and light greenish gray		138
					(7/10Y, Gley1), ~40% gypsum		
139	Run #17				as 0.25"-1.5" long euhedral crystals.		139
139.5					...wet along gypsum crystal		
140				wet	faces to ~140.5'.		140

GES	Job Name: BRC Monitor Wells	Boring No. MCF-31
Job No. 20092509U1	Start: / End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 Inches	USCS	Description	Pene-trometer	Depth (feet)
140.5'		MCF-31A-		CL wet	...no reaction to HCl.		
141	Run #17: 137'-147'	140, pH=8.04			...moist.		141
		T=33.1°C					
142					...brown (10YR 5/3), gypsum		142
					occurs as clear, randomly-		
143					oriented euhedral crystals to		143
					~0.5" long.		
144							144
145							145
146					...brown (7.5YR 5/4), lensed		146
					and laminated (2mm-5mm		
147					laminae), gypsum as matrix		147
	Run #18: 147'-156'				cement and cs-sized		
148					grains.		148
149							149
150					...abrupt contact w/:		150
				CH	Greenish gray (Gley 1 5/10G)		
151					fat CLAY (~80% fat clay,		151
					trace sand, 20% gypsum		
152					as clouded-clear crystals,		152
					cs-sized grains and matrix		
153					cement, trace organics,		153
					trace pyrite), moist, weakly		
154					cemented, v. stiff, stratified		154
					(1.0"-2.0" beds), no reaction		
155					to HCl, organic odor.		155
156							156

GES	Job Name: ~~MCM~~ BRC Monitoring Wells	Boring No. MCF-31
Job No. 20092509VI	Start: / End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				CH	...same as above, gypsum content approaches 50%, occuring as cs-sized grains.		
157							157
158							158
159					...~5% organic matter as irregularly dissemenated pale green material.		159
160							160
161	Run #19: 156'-165'						161
162							162
163					...organics occur as seed pods (along bedding).		163
164		pH=7.70			...layers of black, carbonaceous organic matter, appears to have been burned.		164
165							165
166					...same as above. ...mottled/layered dark bluish gray (Gley 2 4/5PB), light bluish gray (Gley 2, 7/5B) and light greenish gray (Gley 1, 7/5GY), laminated to stratified (5mm-30mm thick beds). ~20% gypsum as clouded crystals that parallel beds, are randomly oriented, and ~2" clear layers @ 166'-170'		166
167							167
168	Run #20: 165'-174'						168
169							169
170							170
171							171
172					...from 170' on: warm trails as irregular marks		172

GES	Job Name: BRC Monitoring Wells	Boring No. MCF-31
Job No. 20092509W1	Start: End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 Inches	USCS	Description	Pene-trometer	Depth (feet)
	Run #20	PID's	17.2	CH	that randomly cross beds.		
173		10.6eV=	17.2ppm		...~20% organic matter as		173
		11.7eV=	10.5ppm		plant (leafs, seed pods, stems)		
174					matter and carbonized		174
	Run #21: 174'-190' (Last 5' from 174'-184')				layers.		
175							175
176					...Core lost from 174'-184',		176
					same as above.		
177							177
178							178
179							179
180							180
				CH/MH	Mottled/laminated dark		
181					bluish gray (Gley 2, 7/5PB),		181
182					light bluish gray (Gley 1, 7/5G),		182
					and light greenish gray		
183					(Gley 1, 7/5GY) interbedded		183
					fat CLAY and elastic SILT		
184					(~65-70% fat clay/elastic		184
					silt, trace sand, ~15-20%		
185					gypsum as subhedral, clouded		185
					crystals parallell to bedding,		
186					cs-sized grains, matrix		186
					cement, 20-25% organic		
187					mater (as leaf fragments,		187
					seed pods, carbonaceous		
188					material), moist, weakly		188
					cemented, v. stiff,		

GES	Job Name: BRC Monitoring Wells	Boring No. MCF-31
Job No. 20092509V1	Start: / End:	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
				CH/MH	laminated (1mm-3mm thick		
189	Run#21	pH=7.84,			beds), weak reaction to HCl,		189
		t=42.6°C			@189': PIDs: 10.6eV=93.6 ppmV,		
190					11.7eV=29.2 ppmV.		190
	Run#22: 190'-200'				...same as above, becomes		
191					stratified (2" to 0.5' thick beds).		191
192					...'soft' material encountered		192
					to 198'; was lost on 1st		
193					retrieval attempt.		193
194							194
195					...contact abrupt with:		195
				CL	Dark bluish gray (Gley 2,		
196					4/10B) lean CLAY (~40% lean		196
					clay, trace sand, 60% gypsum		
197					as matrix cement and cs-		197
					sized grains; mm trace organic		
198					matter), moist, moderately-		198
					strongly cemented, v. stiff,		
199					stratified (0.5"-6" thick		199
					beds), weak reaction to		
200					HCl, abrupt contact w/:		200
	Run#23: 200'-210'			CH	Light greenish gray (Gley1,		
201					7/10GY) fat CLAY (~85%		201
					fat clay, trace sand, ~10%		
202					gypsum as fs-sized grains/		202
					matrix cement, ~5% organic		
203					matter), moist, weakly		203
					cemented, v. stiff, stratified		
204					(5mm-10mm thick beds),		204

GES	Job Name: BRC Monitoring Wells	Boring No. MCF-31A
Job No. 20092509V1	Start: 5-21-09 End: 6-3-09	Location:

Depth (feet)	REC	Sample Type	Blows/ 6 inches	USCS	Description	Pene-trometer	Depth (feet)
		MCF-31A-205,		CH	weak reaction to HCl		
205		pH=8.12,			...sample #MCF-31A-		205
		PIDs:			205 (~200' below Qal/TMCF		
206		10.6eV=448			contact), strong sulfur		206
		ppmV, 11.7eV=			organic odor.		
207	Run #23	106 ppmV					207
208					...~50% gypsum as fs-sized		208
					grains and matrix cement.		
209					...2"-6" thick layers of		209
					black, carbonaceous		
210					organic matter, trace pyrite,		210
					abrupt contact w/:		
211		No sample;		CL wet	210.75': CL: Greenish		211
		low volume		CL	gray (Gley 1, 5/5GY) sandy		
212		pH=9.94			lean CLAY (~70% lean		212
					clay, ~30% sand (subrounded,		
213					poorly graded, ~20% ms,		213
					80% fs)), wet, v. stiff,		
214					homogenous, weak reaction		214
					to HCl, contact abrupt w/:		
215					211.25': CL: Greenish gray		215
					(Gley 1, 5/5GY) lean CLAY		
216	Run #24				(~85% lean clay, trace		216
					sand, ~15% gypsum as		
217					fs-sized grains/matrix		217
					cement), moist, weakly		
218					cemented, v. stiff, laminated		218
					(2-5mm beds, weak		
219					reaction to HCl.		219
					...past 213': ~50% granular		
220					gypsum, abrupt contact w/:		220

GES	Job Name: BRC Monitoring Wells	Boring No. MCF-31
Job No. 20092509U1	Start: — End: —	Location:

Depth (feet)	REC	Sample Type	Blows 6 inches	USCS	Description (10YR 6/4)	Pene-trometer	Depth (feet)
				CL	Light yellowish brown lean		
221					CLAY (~60% lean clay, trace		221
					sand, ~40% granular gypsum		
222					/matrix cement), moist, mod-		222
					erately cemented, v. stiff,		
223					laminated (3-5mm thick		223
					lenses), weak reaction to		
224					HCL, from 224'-226':		224
					greenish gray (Gley 1, 6/5G),		
225					abrupt contact w/ (at 226.5')		225
					226.5': ML: Wet:		
226	Run #25			ML Wet	Light brownish gray (10YR 6/2)		226
226.5'					Sandy SILT (~60% silt,		
227		MCF-31A-228 (composite)		ML Wet	25% sand (subrounded,		227
					poorly graded, ~100% fs), 15%		
228		from 226.5'-			gypsum as granules and		228
		229.5'),			matrix cement), wet (in		
229		pH=8.80			1"-0.5' wide layers between		229
		PIDs:			cemented beds), moderate-		
230		10.6eV=10.2ppmV		CL	strongly cemented, v. stiff,		230
		11.7eV=38.1ppmV			stratified (2"-0.5" thick		
231					beds), weak reaction to HCl,		231
					abrupt contact w/:		
232					229.5': CL: Pale brown		232
					(10YR 6/3) lean CLAY (~75%		
233	Run #26: 230'-237'				lean clay, trace sand, ~25%		233
					gypsum as fs-sized grains		
234					and matrix cement), moist,		234
					moderately cemented, v.		
235					stiff, stratified (3mm-10mm)		235
					thick beds, weak reaction		
236					to HCl		236