

Hole: No. 201

Description: Churn

Location: Crystal

Elevation: 142.1

Period: April, 1944

From	To	Report
0	15	Soil
15	35	Limestone
35	40	Sandy limestone
40	65	Sandstone
65	125	Limestone
125	130	Sandy limestone
130	140	Sandstone
140	145	Limestone

Hole: No. 202

Description: Churn

Location: Crystal

Elevation: 444.6

Period: April, 1944

From	To	Report
0	10	Soil
10	15	Boulders
15	40	Limestone
40	45	Sandy limestone
45	75	Rosiclare sandstone
75	95	Limestone
95	99 $\frac{1}{2}$	Lost sample
99 $\frac{1}{2}$	110	Opening
110	120	Mud
120	122	No sample
122	137 $\frac{1}{2}$	Shaley limestone
137 $\frac{1}{2}$	142 $\frac{1}{2}$	Limestone
142 $\frac{1}{2}$	145	Limestone with traces of spar
145	153	Limestone

Hole: No. 203

Description: Churn

Location: Crystal

Elevation: 431.2

Period: April, 1944

From	To	Report
0	8	Soil
8	40	Limestone
40	45	Sandy limestone
45	70	Rosiclare sandstone (revice at 68')
70	130	Limestone
130	135	Limestone and sandstone (contact at 133')
135	140	Sandstone
140	145	Sandstone and limestone (contact at 142')
145	150	Limestone

Hole: No. 204

Description: Churn

Location: Crystal

Elevation: 424.1

Period: May, 1944

From	To	Report
0	8	Soil and boulders
8	40	Limestone
40	65	Rosiclare sandstone
65	125	Limestone
125	130	Sandy limestone, lead and zinc
130	135	Sandstone Sub-Ros
135	140	Sandstone and limestone
140	145	Lost cuttings (opening at 143') (water)
145	148	Limestone

Hole: No. 205

Description: Churn

Location: Crystal

Elevation: 397.9

Period: May, 1944

From	To	Report
0	13	Soil and boulders
15	20	Limestone and sandstone
20	45	Rosiclare sandstone
45	110	Limestone
110	120	Sandstone
120	122½	Limestone

Hole: No. 206

Description: Churn

Location: Crystal

Elevation: 411.1

Period: May, 1944

From	To	Report
0	30	Soil, mud and boulders
30	60	Rosiclare sandstone (water at 45 to 50')
60	115	Limestone
115	120	Sandy limestone
120	135	Sandstone
135	138	Limestone

Hole: No. 207

Description: Churn

Location: Crystal

Elevation: 453.0

Period: May, 1944

From	To	Report
0	15	Soil and boulders
15	35	Brown sandstone
35	70	Sandstone
70	75	Sandstone and spar at 72'
75	80	Sandstone and spar (mud at 78')
80	85	Spar, crevice, water, limestone at 83'
85	90	Shaley limestone and spar (probably cavings)
90	115	Shaley and muddy
115	155	Limestone
155	160	Limestone and Rosiclare sandstone
160	180	Rosiclare sandstone (water at 170-175')
180	185	Rosiclare sandstone and limestone
185	200	Limestone
200	205	Limestone, spar, water (small crevice)
205	210	Limestone
210	220	Limestone and spar
220	225	Limestone and traces of spar
225	230	Limestone
230	240	Limestone, spar and calc
240	245	Limestone
245	250	Sandy limestone
250	255	Sandstone
255	260	Limestone

Hole: No. 208

Description: Churn

Location: Crystal

Elevation: 391.3

Period: May, 1944

From	To	Report
0	15	Soil and boulders
15	25	Soft sandstone and water
25	30	Sandy limestone
30	70	Limestone
70	75	Limestone and Rosiclare sandstone
75	100	Rosiclare sandstone
100	113 $\frac{1}{2}$	Limestone
113 $\frac{1}{2}$	122	Crevice - no sample

Hole: No. 211

Description: Churn

Location: Crystal

Period: June, 1944

Elevation: 430.7

From	To	Report
0	15	Soil and boulders
15	40	Sandstone
40	45	Sandstone (loose caving)
45	50	Sandstone and ore
50	55	Sandstone and spar
55	60	Shale and mud
60	95	Shale
95	125	Limestone
125	130	No sample (open at 127-132')
132	135	Broken limestone, sandstone and mud
135	140	

Hole: No. 213

Description: Churn

Location: Crystal

Period: June, 1944

Elevation: 435.5

From	To	Report
0	10	Soil, boulders and shaly sandstone
10	45	Sandstone
45	50	Sandstone and limestone (contact at 47')
50	54	Solid but lost cutting at 54'
54	60	Opening
60	75	Mud
75	130	Limestone
130	165	Rosiclare sandstone
165	170	Rosiclare sandstone and limestone (contact at 66½')
170	230	Limestone
230	240	Limestone (sandy)
240	248	Limestone

Hole: No. 214

Description: Churn

Location: Crystal

Period: July, 1944

Elevation: 576.8

From	To	Report
0	17	Soil
17	95	Sandstone
95	100	Sandstone and limestone (contact at 97') (Opening 96 to 97')
100	120	Limestone
120	125	Limestone and shale
125	140	Shale
140	145	Shale and limestone
145	190	Limestone
190	215	Rosiclare sandstone
215	220	Spar (clear CaF ₂)
220	225	Spar
225	230	Limestone, trace lead and zinc
230	235	Limestone and water
235	245	Lead, zinc and spar
245	255	Limestone, traces lead, zinc and spar
255	293	Limestone and good trace spar (crack at 280-285')

Hole: No. 217

Description: Churn

Location: Crystal

Period: July, 1944

Elevation: 421.0

From	To	Report
0	10	Soil and boulders
10	41	Sandstone
41	50	Break at 43' and lost sample
50	55	Opening, mud, solid at 54'
55	60	Limestone
60	70	Limestone and shale
70	85	Shale
85	120	Limestone
120	130	Limestone (sandy)
130	155	Rosiclare sandstone
155	160	Rosiclare sandstone and limestone
160	225	Limestone
225	235	Limestone (sandy)
235	237	Limestone

Hole: No. 218

Description: Churn

Location: Crystal

Period: July, 1944

Elevation: 577.5

From	To	Report
0	25	Sandy soil
25	99½	Sandstone
99½	125	Limestone
125	145	Shale
145	180	Limestone
180	211	Rosiclare sandstone
211	280	Limestone (sandy at 260-265)
"	"	"
"	"	"

Hole: No. 219

Description: Churn

Location: Crystal

Period: July, 1944

Elevation: 436.6

From	To	Report
0	18	Sil
18	20	Sandstone
20	25	Broken ground
25	375	Limestone (reduced hole to 6 5/8" at 105-110') (Light water at 160-165) (Calc and traces spar at 185-190') (Water at 315-320') (Water at 360-365')

542
153
389

436.6
25
411.6

436
185
351

Hole: No. 220

Description: Churn

Location: Crystal

Period: July, 1944

Elevation: 579.8

From	To	Report
25	30	Sandy soil
30	105	Sandstone
105	125	Limestone
125	130	Limestone and shale
130	145	Shale
145	185	Limestone
185	220	Rosiclare sandstone
220	225	Rosiclare sandstone, spar, cracks
225	235	Limestone, shines spar (possibly cavings)
235	240	Limestone, water and spar
240	265	Limestone and spar
265	275	Limestone
275	280	Limestone and sandstone
280	285	Sandstone
285	295	Limestone

Hole: No. 223

Description: Churn

Location: Crystal

Period: November, 1944

Elevation: 522.1

From	To	Report
0	12	Soil and boulders
12	37	Sandstone
37	50	Limestone
50	55	Solid to 54½' (crack at 54½' and lost cutting)
55	60	Limestone, mud and cavings
60	65	Limestone and shale
65	75	Shale
75	80	Shale and mud
80	120	Limestone
120	125	Limestone and Rosiclare sandstone
125	152	Rosiclare sandstone
155	190	Limestone

Hole: No. 224

Description: Churn

Location: Crystal

Period: December, 1944

Elevation: 519.3

From	To	Report
0	10	Soil and boulders
10	30	Sandstone
30	55	Limestone
55	60	Red Rock shale
60	65	Shale, opening and mud
65	70	Shale
70	75	Shale and limestone
75	105	Limestone (crevices 95 to 105)
105	115	Limestone (sandy)
115	145	Rosiclare sandstone
145	180	Limestone

Hole: No. 225

Description: Churn

Location: Crystal

Elevation: 543.3

Period: December 8 to January, 1945

From	To	Report
0	10	Soil and boulders
10	42	Sandstone
42	75	Limestone
75	80	Limestone and shale
80	90	Shale
90	120	Limestone
120	125	Limestone and sandstone
125	151	Rosiclare sandstone
151	495	Limestone (sandy 220 to 230') (light water 260-265') (light water 325-330') (12 bailers water overnight 395-400')
495	500	Calc and possible spar (crack 498 $\frac{1}{2}$ ' to 500')
500	510	Limestone (crevice 500 to 501')

500

Hole: No. 226

Description: Churn

Location: Crystal

Elevation: 541.8

Period: January 13 to January 19, 1945

From	To	Report
0	5	Soil
5	38	Sandstone
38	55	Limestone
55	60	Shale and mud
60	70	Shaley limestone
70	80	Shale
80	125	Limestone
125	153	Residual sandstone
153	210	Limestone
210	215	Limestone (sandy)
215	220	Limestone
220	225	Limestone (white)
225	230	Sandstone
230	240	Limestone

Hole: No. 227

Description: Churn

Location: Crystal

Elevation: 543.9

Period: January 22 to January 27, 1945

From	To	Report
0	10	Soil and boulders
10	30	Sandstone
30	35	Two ft. opening at 34' - no sample
35	40	Lime shells
40	45	Crevices - no sample
45	50	Crevices -no sample
50	55	Limestone
55	75	Shale (caving at 60-65)
75	80	Shale and limestone
80	125	Limestone
125	155	Rosiclare sandstone
155	240	Limestone (sandy 225-230)

Hole: No. 228

Description: Churn

Location: Crystal

Elevation: 548.7

Period: January 30 to February 5, 1945

From	To	Report
0	10	Soil and boulders
10	41	Sandstone
41	55	Limestone
55	60	Limestone and shale
60	80	Shale
80	85	Shale and limestone
85	130	Limestone (sandy 120 to 130)
130	157	Rosiclare sandstone
157	240	Limestone (small crack at 200-205) (Crevice and sandy at 225-230')

Hole: No. 229

Description: Churn

Location: Crystal

Elevation: 556.0

Period: February 6, 1945 to February 12, 1945

From	To	Report
0	10	Soil
10	51	Sandstone
51	55	Sandstone and limestone (open - lost water)
55	70	Limestone (crevice at 60-65)
70	75	Limestone and shale
75	95	Shale
95	140	Limestone (sandy 135 to 140')
140	168	Rosiclare sandstone
168	245	Limestone (sandy at 235-to 240) (white 240-245)

Hole: No. 230

Description: Churn

Location: Crystal

Elevation: 541.3

Period: February 14 to 20, 1945

From	To	Report
0	10	Soil and boulders
10	35	Sandstone
35	40	Crevice - No sample
40	45	Limestone and mud cavings
45	55	Limestone
55	60	Limestone and shale
60	75	Shale
75	80	Shale and limestone
80	120	Limestone
120	125	Limestone (pink)
125	130	Limestone (sandy)
130	153	Residual sandstone
153	240	Limestone

Hole: No. 231

Description: Churn

Location: Crystal

Elevation: 504.3

Period: February 23 to March 7, 1945

Y		
From	To	Report
0	10	Soil
10	110	Sandstone
110	115	Sandstone (shines of lead)
115	124	Sandstone
124	135	Limestone
135	140	Limestone and calc
140	145	Limestone
145	165	Limestone and shale
165	170	Shaley limestone
170	208 $\frac{1}{2}$	Limestone
208 $\frac{1}{2}$	242	Rosiclare sandstone
242	300	Limestone
300	310	Limestone and zinc
310	320	Limestone (white)

Hole: No. 232

Description: Churn

Location: Crystal

Elevation: 472.8

Period: March 9 to March 17, 1945

From	To	Report
0	10	Soil and boulders
10	15	Blue mud
15	97	Sandstone (water at 50')
97	125	Limestone
125	130	Limestone, pink shale
130	135	Limestone
135	140	Shale
140	145	Shale and limestone
145	175	Limestone
175	180	Limestone (sandy)
180	185	Limestone and Rosiclare sandstone
185	213	Rosiclare sandstone
213	300	Limestone

Hole: No. 235

Description: Churn

Location: Crystal

Elevation: 470.9

Period: April 6 to April 12, 1945

From	To	Report
0	10	Soil
10	15	Blue mud
15	93	Sandstone
93	115	Limestone
115	120	Limestone and shale
120	130	Shale
130	135	Shale and water
135	175	Limestone
175	180	Limestone (sandy)
180	215	Sandstone ^{Ros}
215	230	Limestone and spar
230	235	Spar
235	245	Limestone and spar
245	250	Limestone, spar and zinc
250	260	Limestone and spar
260	270	Limestone
270	275	Limestone (sandy)
275	290	Limestone

Hole: No. 236

Description: Churn

Location: Crystal

Period: April 26 to May 3, 1945

Elevation: 461.2

From	To	Report
0	10	Soil and boulders
10	15	Blue mud
15	83	Sandstone
83	110	Limestone
110	120	Limestone and shale
120	125	Shale and water
125	165	Limestone
165	170	Shale and Rosiclare sandstone
170	195	Rosiclare sandstone
195	200	Shale and limestone
200	205	Limestone
205	220	Limestone, zinc, shales spar, water, crevices
220	280	Limestone

Hole: No. 237

Description: Churn

Location: Crystal

Elevation: 470.6

Period: May 4, to May 11, 1945

From	To	Report
0	10	Soil and boulders
10	15	Blue mud
15	90	Sandstone
90	95	Limestone
95	100	Limestone, small crevice, water
100	115	Limestone
115	120	Limestone and shale
120	135	Shale
135	175	Limestone
175	205	Rosiclare sandstone
205	280	Limestone

Hole: No. 238

Description: Churn

Location: Crystal

Period: May 14 to May 21, 1945

Elevation: 481.0

From	To	Report
0	10	Soil and boulders
10	20	Blue mud
20	96	Sandstone
96	120	Limestone
120	125	Limestone and shale
125	130	Shale
130	135	Shale and water
135	175	Limestone
175	190	Rosiclare sandstone
190	195	Rosiclare sandstone (Red)
195	210	Rosiclare sandstone
210	280	Limestone
280	285	Limestone (sandy)
285	290	Limestone

Hole: No. 239

Description: Churn

Location: Crystal

Period: May 23 to 30, 1945

Elevation: 466.3

From	To	Report
0	10	Soil and boulders
10	15	Blue mud
15	88 $\frac{1}{2}$	Sandstone
90	115	Limestone (crevices and water at 95-100')
115	120	Limestone and red shale
120	130	Shale
130	175	Limestone (sandy 170 to 175')
175	204	Rosiclare sandstone
204	280	Limestone (sandy 265 to 270')

Hole: No. 240

Description: Churn

Location: Crystal

Elevation: 478.2

Period: June 1, 1945 to June 7, 1945

From	To	Report
0	10	Soil and boulders
10	20	Blue mud
20	50	Sandstone
50	60	Sandstone (shaley)
60	97	Sandstone
97	115	Limestone
115	125	Limestone (shaley)
125	130	Limestone (shaley) pink
130	135	Shale
135	140	Shale and water
140	185	Limestone (sandy 180-185')
185	215	Rosiclare sandstone
215	220	Rosiclare sandstone, spar, water
220	225	Limestone (small amount spar)
225	230	Limestone
230	235	Limestone and shales of spar
235	240	Limestone
240	250	Limestone (mostly spar)
250	300	Limestone

Hole: No. 250

Description: Churn

Location: Crystal

Elevation: 509.0

Period: July 16, 1945 to July 24, 1945

From	To	Report
0	45	Soil
45	118½	Sandstone
118½	145	Limestone
145	150	Limestone and shale
150	160	Shale
160	200	Limestone
200	205	Limestone (sandy)
205	235	Rosiclare sandstone
235	300	Limestone
300	305	Limestone and sandstone
305	310	Limestone

Hole: No. 251

Description: Churn

Location: Crystal

Elevation: 508.7

Period: July 26 to August 2, 1945

From	To	Report
0	10	Soil and boulders
10	119	Sandstone
119	135	Limestone
135	140	Limestone and shale
140	160	Shale
160	195	Limestone
195	200	Limestone (sandy)
200	238 $\frac{1}{2}$	Hosiclare sandstone (water at 238 $\frac{1}{2}$)
238 $\frac{1}{2}$	245	Limestone
245	250	Limestone, mostly spar and zinc, some calc
250	260	Limestone, mostly spar
260	265	Limestone, spar and calc
265	270	Limestone, spar, calc and zinc
270	280	Limestone, some spar, probably cavings
280	285	Limestone
285	295	Limestone, some lead, zinc and spar
295	300	Limestone (sandy)
300	305	Sandstone and white limestone
305	310	Limestone, shows zinc
310	315	Limestone

Hole: No. 255

Description: Churn

Location: Crystal

Elevation: 509.6

Period: September 20 to 27, 1945

From	To	Report
0	10	Soil and boulders
10	35	Brown sandstone
35	50	Grey sandstone
50	85	Blue sandstone
85	100	Grey sandstone (water at 95')
100	125	White sandstone
125	145	Limestone
145	150	Limestone and shale
150	155	Shale and limestone
155	170	Shale
170	175	Shale and limestone
175	205	Limestone
205	210	Limestone and Rosiclare sandstone
210	245	Rosiclare sandstone (water and shines of spar at 240-245)
245	250	Limestone and good spar
250	255	Limestone, good spar and zinc
255	260	Limestone, fair spar and zinc
260	265	Limestone, lean spar and zinc
265	270	Limestone, good spar and zinc
270	275	Limestone and spar, good zinc
275	280	Limestone and spar, 4% zinc
280	285	Limestone and spar, good zinc
285	290	Limestone and spar, 4% zinc
290	300	Mostly limestone, shines of spar
300	305	Mostly limestone and shale
305	320	Limestone (white 310 to 320)

Hole: No. 258

Description: Churn

Location: Crystal

Elevation: 512.4

Period: October 20 to October 29, 1945

From	To	Report
0	10	Soil
10	25	Brown sandstone
25	30	Sandstone and blue mud
30	35	Blue mud
35	85	Grey sandstone
85	127	White sandstone
127	145	Limestone
145	150	Limestone, shale and water
150	175	Shale
175	205	Limestone
205	215	Sandy limestone
215	245	Rosiclare sandstone
245	320	Limestone

Hole: No. 259

Description: Churn

Location: Crystal

Elevation: 565.8

Period: January 19 to January 28, 1946

From	To	Report
0	10	Soil
10	17	Clay and sand streaks
17	25	Yellow sandstone
25	60	White sandstone
60	70	Yellow and white sandstone
70	75	No cuttings, open from 72 to 74'
75	77 $\frac{1}{2}$	Sandstone and limestone (contact at 77')
77 $\frac{1}{2}$	90	Grey limestone
90	100	Limestone and shale
100	120	Shale
120	130	Limestone and shale streaks
130	155	Limestone
155	160	Limestone (sandy)
160	165	Limestone and Rosiclare sandstone
165	195	Rosiclare sandstone (water at 184')
195	225	Limestone
20-40 225	230	Limestone, zinc and spar
230	232 $\frac{1}{2}$	Limestone and zinc shines
232 $\frac{1}{2}$	235	Grey limestone
235	240	Grey limestone and zinc
240	250	Sandy limestone and zinc
250	252 $\frac{1}{2}$	Grey and brown limestone, spar shines
252 $\frac{1}{2}$	255	Limestone and spar shines
255	265	Sandy limestone

Hole: No. 267

Description: Churn

Location: Austin

Period: June, 1948

Elevation: 522.8

From	To	Report
0	10	Surface
10	27	Sandstone
27	43	Paint Creek shale and sandstone
43	119	Sandstone
119	140	Limestone
140	150	Limestone and shale
150	165	Shale
165	175	Limestone and shale
175	180	Limestone
180	200	Colitic limestone
200	214	Sandy limestone
214	235	Moscovian sandstone
235	275	Limestone
		Hole drilled for pump to drain incline. 22' of 4" line set at bottom to protect pump pipe.

Hole: No. 271

Description: Churn

Location: Austin

Elevation: 597.8

Period: September, 1948

From	To	Report
0	20	Surface
20	85	Sandstone
85	95	Limestone
95	110	Limestone and shale
110	125	Shale
125	140	Shale and limestone
140	163	Limestone
163	197 $\frac{1}{2}$	Rosiclare sandstone
197 $\frac{1}{2}$	255	Limestone
255	260	Sub Rosiclare sandstone
260	279	Limestone
		Note: Opening at 70 ft., 90', 163', 170', 197', and 205'.
		Not a trace of ore.

Hole: No. 272

Description: Churn

Location: Austin

Period: November, 1948

Elevation: 585.47

From	To	Report
0	10	Surface
10	15	Brown sandstone
15	25	White sandstone
25	55	Grey sandstone
55	85	White sandstone
85	95	Limestone
95	125	Limestone and shale
125	130	Shale
130	150	Shale and limestone
150	175	Limestone
175	211	Rosiclare sandstone
211	271	Limestone
271	281	Sandy limestone (Sub)
281	290	Oolitic limestone

Hole: No. 274

Description: Churn

Location: Austin

Period: December, 1948

Elevation: 577.31

From	To	Report
0	10	Surface
10	30	Brown sandstone
30	55	Grey sandstone
55	105	White sandstone
105	130	Limestone
130	145	Shale
145	160	Shale and limestone
160	197	Limestone
197	227	Rosiclare sandstone
227	235	Limestone
235	240	Limestone and shale
240	275	Grey limestone
275	285	Brown limestone
285	295	Sub Rosiclare sandstone
295	310	White oolitic limestone

Hole: No. 275

Description: Churn

Location: Austin

Period: December, 1948

Elevation: 527.5

From	To	Report
0	5	Clay
5	15	Brown sandstone
15	35	Dark grey sandstone
35	65	Light grey sandstone
65	80	White sandstone
80	105	White sandstone and some shale seams
105	130	Limestone
130	135	Shale
135	145	Shale and limestone
145	150	Shale
150	205	Limestone
205	226	Roelclare sandstone
226	285	Limestone
285	295	Sandy limestone (Sub)
295	306	Limestone

Hole: No. 278

Description: Churn

Location: Austin

Period: February, 1949

Elevation: 529.83

From	To	Report
0	10	Surface
10	15	Brown sandstone
15	65	Grey sandstone
65	110	White sandstone
110	125	Limestone <i>Per</i>
125	130	Shaley limestone
130	155	Shale
155	205	Limestone
205	228	Rosiclare sandstone <i>Per</i>
228	285	Limestone
285	300	Brown sandy limestone <i>sub</i>
300	307	Limestone

Hole: No. 279

Description: Churn

Location: Austin

Period: March, 1949

Elevation:

From	To	Report
0	10	Surface
10	20	Brown sandstone
20	75	Grey sandstone
75	105	White sandstone
105	120	Limestone
120	125	Shale
125	135	Limestone
135	145	Shale
145	160	Shale and limestone
160	205	Limestone
205	225	Rosiclare sandstone
225	265	Limestone
265	290	Limestone
290	300	Sandy limestone (Sub?)
300	305	Limestone

