PREPARED IN COOPERATION WITH THE
MINISTRIES OF INDUSTRY AND NATIONAL ECONOMY
OF THE GOVERNMENT OF LIBYA
UNDER THE AUSPICES OF THE
AGENCY FOR INTERNATIONAL DEVELOPMENT
U.S. DEPARTMENT OF STATE

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 660
PLATE 11

(Continued from below)

From (m)	To (m)	Thickness (m)	$CaSO_4 \cdot 2H_2O$ (percent)	$CaSO_4$ (percent)	*Other (percent)
0.00	0.55	0.55	No analysis		
0.55	4.00	3.45	97.72	—	0.65
4.00	7.78	3.78	94.01	—	1.53
7.78	8.16	0.38	5.78	—	29.00
8.16	10.40	2.24	99.67	—	0.84
10.40	10.50	0.10	62.56	—	11.50
10.50	15.00	4.50	89.53	5.68	0.82
15.00	18.00	3.00	23.74	13.53	0.49
18.00	20.42	2.42	95.01	—	2.51
20.42	20.83	0.41	86.13	—	8.65
20.83	25.00	4.17	99.61	—	0.99
25.00	28.00	3.00	95.36	—	1.79
28.00	30.05	2.05	94.45	—	1.72
30.05	35.27	5.22	94.30	—	3.55
35.27	35.50	0.23	12.54	—	38.26
35.50	37.84	2.34	85.53	4.19	1.97
37.84	41.55	3.71	20.04	71.38	4.37
41.55	44.10	2.55	82.46	11.63	1.48
44.10	44.19	0.09	27.20	—	36.82
44.19	45.27	1.08	80.42	7.07	2.40
45.27	45.48	0.21	1.30	4.24	18.95
45.48	48.58	3.10	86.04	6.20	2.09
48.58	48.63	0.05	0.97	—	32.51
48.63	50.85	2.22	95.36	—	2.91
50.85	52.21	1.36	1.64	93.42	1.88
52.21	54.36	2.15	14.17	70.02	9.28
54.36	58.00	3.64	1.83	93.72	2.72
58.00	62.00	4.00	1.23	93.82	2.29
62.00	65.00	3.00	0.49	98.46	0.54
65.00	68.00	3.00	1.05	97.06	1.36
68.00	71.00	3.00	1.89	93.31	2.93
71.00	74.52	3.52	0.87	98.54	0.46
74.52	74.66	0.14	5.64	13.31	13.80
74.66	78.10	3.44	0.25	99.65	0.07
78.10	79.65	1.55	5.48	8.47	15.67
79.65	83.76	4.11	2.15	95.68	0.71
83.76	84.12	0.36	5.81	5.38	13.09
84.12	85.51	1.39	3.64	94.95	0.39
85.51	87.27	1.76	3.16	—	16.75
87.27	88.00	0.73	1.97	83.04	10.99
88.00	88.26	0.26	6.98	21.35	20.97
88.26	89.00	0.74	4.71	72.42	10.31
89.00	90.24	1.24	4.78	—	13.57
90.24	93.16	2.92	4.93	90.53	1.73
93.16	93.59	0.43	4.29	19.59	12.03
93.59	93.74	0.15	0.95	98.30	0.70
93.74	94.76	1.02	6.55	—	16.49
94.76	95.00	0.24	2.93	89.16	1.52

Adapted from Gualtieri (1962)

EXPLANATION

Gypsum

Shale and clay

Anhydrite

Dolomite

*Includes Al and Fe oxides, soluble silicates, insoluble residue, and Mg, but does not include CO_3 or excess Ca. Anhydrite may be present in very small quantities

LOG OF DIAMOND-DRILL HOLE 6 AND CHEMICAL ANALYSES OF SAMPLES FROM THE BI'R AL GHANAN-YAFRAN GYPSUM DEPOSIT, LIBYA

348-521 O - 70 (In pocket)