

Amerada Hess Corporation

Form C-105 Attachment – State “Q” Well No. 4, API No. 30-025-20358

ITEM 26 – PERFORATION RECORD

Perf. Tubb Zone using 4” csg. gun w/2 SPF fr. 6306’-6307’, 6313’-6315’, 6319’-6320’, 6331’-6332’, 6346’-6347’, 6353’-6354’, 6365’-6368’, 6375’-6377’, 6393’-6397’, 6401’-6402’, 6406’-6407’, 6416’-6418’, 6435’-6437’, & fr. 6442’-6444’.

Perf. Blinebry Zone using 3-1/8” csg. gun w/3 SPF fr. 5660’-5666’ & fr. 5724’-5733’.

ITEM 27 – ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

5043’-5248’	Cement squeeze w/50 Sks. Lead cement w/3% Halad 322 followed w/100 Sks. Class “C” neat cement. Drld. out.
6306’-6444’	Acidized Tubb Zone perms. w/6000 gal. 15% NEFE HCL acid.
6256’	Set 5-1/2” CIBP.
5036’-5263’	Cement Squeezed w/100 Sks. Class “C” cement mixed w/3/10% Halad 322 & 100 Sks. Class “C” neat cement. Drld. out.
5660’-5733’	Acidized Blinebry Zone perms. w/4000 gal. 15% HCL acid.
5660’-5733’	Frac’d Blinebry Zone perms. w/37,600 gal. 25# XL Borate Delta frac fluid & 97,000# 16/30 & 12,800# Super LC 16/30 sand.