



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Ave, SE
Washington, D.C. 20590

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0112/S-96, REVISION 9

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Schlumberger Model NSR-GB.
2. Source Description - Inert gas seal welded cylindrical double encapsulation made of Type 302 or 304 stainless steel. Approximate external dimensions are 33.2 mm (1.31 in.) in diameter and 35.05 mm (1.38 in.) in length. Construction shall be in accordance with attached Schlumberger Well Surveying Corp. Drawing No. H-222649.
3. Radioactive Contents - Not more than 0.022 TBq (0.6 Ci) of Americium-241 in an oxide form mixed with beryllium powder.
4. Special Conditions -
 - a. This certificate is only valid for Special Form sources manufactured prior to 2004.
5. Management System Activities - Records of Management System activities required by Paragraph 306 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.

¹ "Regulations for the Safe Transport of Radioactive Material, 2012 Edition, No. SSR-6" published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

CERTIFICATE USA/0112/S-96, REVISION 9

6. Expiration Date - This certificate expires on August 31, 2022. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the May 30, 2017 petition by Schlumberger, Sugar Land, TX, and in consideration of other information on file in this Office.

Certified By:



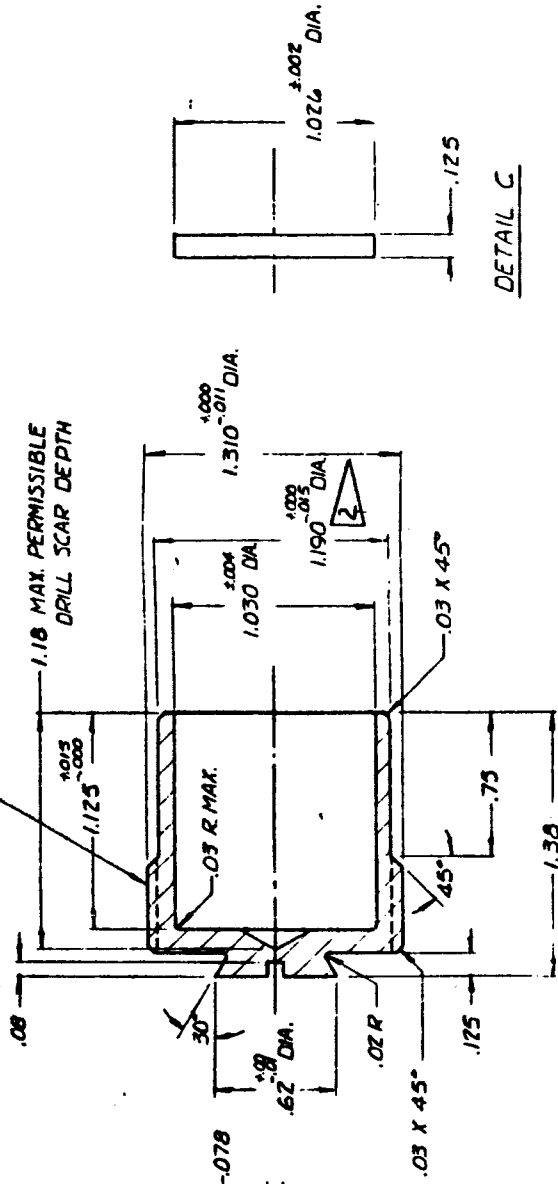
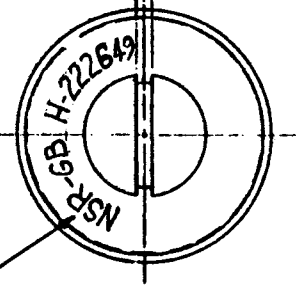
William Schoonover
Associate Administrator for Hazardous
Materials Safety

October 05, 2017
(DATE)

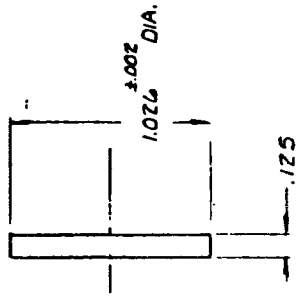
Revision 9 - Issued to extend the expiration date.

NOTE: 1 FOR SHIPMENT OR TRANSPORTING
 USE CARRYING CASE H-245440
 2 CONC WITHIN .004 TIR @ MMC
 3 SEE ENS H-251923.

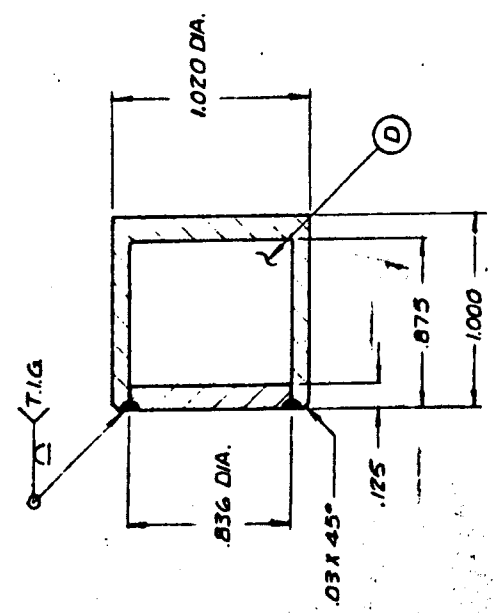
MARK 1/8 LETTERS



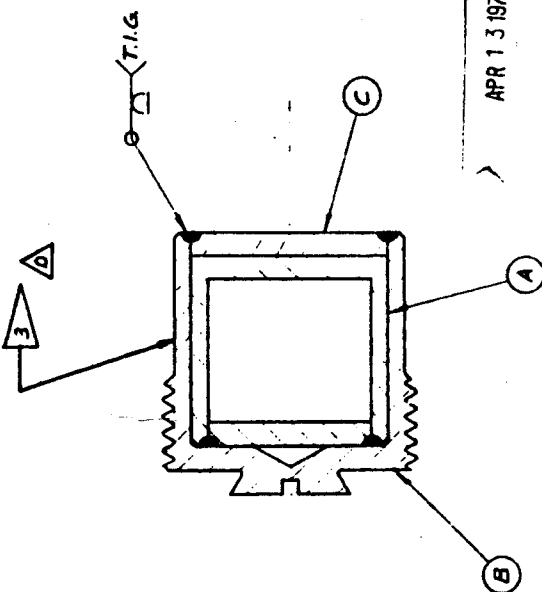
DETAIL B



DETAIL C



DETAIL A



APR 13 1978

CONSTRUCTION, TESTING, & ACCEPTANCE
 PER ENS H-126981.

SET	MATERIAL	QTY	REMARKS
A	33T, AISI TYPE 302 OR 304		
B			
C			
D	A-2, B-2 STRENGTH: 10X 10 ⁶ NEUT./SEC. ± 10% (0.50 CURIE MAX.)		

ENGINEERING APPROVED SUPPLIER
 MONSANTO RESEARCH CO.
 DAYTON, OHIO
 NUCLEAR SOURCES &
 SERVICES INC.
 P.O. BOX 14023
 HOUSTON, TX. 77021

NO	DATE	REVISIONS
1	ECN 49830	
2	ECN 48905	
3	ECN 45833	
4	ECN 45489	

PROJECT	NSR-G6	CNB-A
TOLERANCES UNLESS OTHERWISE SPECIFIED		
FRACTIONAL DECIMALS		
DECIMALS		
ANGLES		
UNLESS OTHERWISE SPECIFIED		
ON ALL MACHINED SURFACES		
FINISH SHALL BE 32 RMS OR BETTER		
DO NOT COPY DISPLAY OR USE DRAWING WITHOUT AUTHORIZATION - DO NOT SCALE DRAWING		
DATA J. Hall		
DESIGNED BY	h. Hilley	
PROD. ENG.	J. McCa	
DRAWN BY	J. Hill	
DATE	12-8-73	
SCALE	2:1	
SCHUMBERGER WELL SURVEYING CORP. HOUSTON, TEXAS		
NSR-G6 Am-Be NEUTRON SOURCE		

ASSEMBLY DWG H-222649
 10/20/78
 1/16" A



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1200 New Jersey Ave, SE
Washington, D.C. 20590

CERTIFICATE NUMBER: USA/0112/S-96

ORIGINAL REGISTRANT(S) :

:

Schlumberger
Princeton Technology Center
20 Wallace Road
Princeton Junction, NJ, 08550
USA