



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Division Order No. IPI-240

Amerada Hess Corporation
P.O. Box 840
Seminole, Texas 79360

Attention: Mr. Chad McGehee

**RE: *Injection Pressure Increase
North Monument Grayburg San Andres Unit
Lea County, New Mexico***

Dear Mr. McGehee:

Reference is made to your request received by the Division on July 8, 2004 to increase the surface injection pressure on thirty-four (34) wells located within the North Monument Grayburg San Andres Unit Waterflood Project. These wells are located within the south-central portion of the project area. This request is based upon a number of step-rate tests that have recently been conducted on the wells in this area. The results of the step rate tests show that an increase in the surface injection pressure for these wells is justified and will not result in the fracturing of the injection formation and confining strata.

You are therefore authorized to inject water at a surface injection pressure not to exceed 1,100 psi in the wells shown on Exhibit "A" attached hereto.

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected fluid is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark E. Fesmire".

Mark E. Fesmire, P.E.
Director

cc: Mr. James Bruce
Oil Conservation Division – Hobbs
Case File-10252

EXHIBIT "A"
AMERADA HESS CORPORATION
INJECTION PRESSURE INCREASE
NORTH MONUMENT GRAYBURG SAN ANDRES UNIT WF PROJECT

<u>API NUMBER</u>	<u>WELL NAME AND NUMBER</u>	<u>WELL LOCATION</u>
30-025-05713-00-00	NORTH MONUMENT G/SA UNIT	005 E 28 19S 37E 1980' FNL & 660' FWL
30-025-05721-00-00	NORTH MONUMENT G/SA UNIT	006 F 29 19S 37E 1980' FNL & 1980' FWL
30-025-05722-00-00	NORTH MONUMENT G/SA UNIT	003 C 29 19S 37E 660' FNL & 1980' FWL
30-025-05724-00-00	NORTH MONUMENT G/SA UNIT	013 M 29 19S 37E 660' FSL & 660' FWL
30-025-05725-00-00	NORTH MONUMENT G/SA UNIT	011 K 29 19S 37E 1980' FSL & 1980' FWL
30-025-05726-00-00	NORTH MONUMENT G/SA UNIT	014 N 29 19S 37E 660' FSL & 1980' FWL
30-025-05727-00-00	NORTH MONUMENT G/SA UNIT	005 E 29 19S 37E 1980' FNL & 660' FWL
30-025-05729-00-00	NORTH MONUMENT G/SA UNIT	010 J 29 19S 37E 1980' FSL & 1980' FEL
30-025-05730-00-00	NORTH MONUMENT G/SA UNIT	015 O 29 19S 37E 660' FSL & 1980' FEL
30-025-05732-00-00	NORTH MONUMENT G/SA UNIT	007 G 29 19S 37E 1980' FNL & 1980' FEL
30-025-05735-00-00	NORTH MONUMENT G/SA UNIT	009Y I 29 19S 37E 2280' FSL & 990' FEL
30-025-05737-00-00	NORTH MONUMENT G/SA UNIT	008 H 29 19S 37E 1980' FNL & 660' FEL
30-025-05738-00-00	NORTH MONUMENT G/SA UNIT	001 A 29 19S 37E 660' FNL & 660' FEL
30-025-05754-00-00	NORTH MONUMENT G/SA UNIT	009 I 30 19S 37E 1980' FSL & 660' FEL
30-025-05760-00-00	NORTH MONUMENT G/SA UNIT	008 H 31 19S 37E 1980' FNL & 660' FEL
30-025-05761-00-00	NORTH MONUMENT G/SA UNIT	007 G 31 19S 37E 1980' FNL & 1980' FEL
30-025-05763-00-00	NORTH MONUMENT G/SA UNIT	009 I 31 19S 37E 1980' FSL & 660' FEL
30-025-05764-00-00	NORTH MONUMENT G/SA UNIT	016 P 31 19S 37E 660' FSL & 660' FEL
30-025-05767-00-00	NORTH MONUMENT G/SA UNIT	001 A 31 19S 37E 660' FNL & 660' FEL
30-025-05781-00-00	NORTH MONUMENT G/SA UNIT	006 F 32 19S 37E 1980' FNL & 1980' FWL
30-025-05783-00-00	NORTH MONUMENT G/SA UNIT	002 B 32 19S 37E 660' FNL & 1980' FEL
30-025-05784-00-00	NORTH MONUMENT G/SA UNIT	007 G 32 19S 37E 1980' FNL & 1980' FEL
30-025-05785-00-00	NORTH MONUMENT G/SA UNIT	010 J 32 19S 37E 1980' FSL & 1980' FEL
30-025-05786-00-00	NORTH MONUMENT G/SA UNIT	005 E 32 19S 37E 1980' FNL & 660' FWL
30-025-05787-00-00	NORTH MONUMENT G/SA UNIT	004 D 32 19S 37E 660' FNL & 660' FWL
30-025-05789-00-00	NORTH MONUMENT G/SA UNIT	015 O 32 19S 37E 660' FSL & 1980' FEL
30-025-05793-00-00	NORTH MONUMENT G/SA UNIT	013 M 32 19S 37E 660' FSL & 660' FWL
30-025-05794-00-00	NORTH MONUMENT G/SA UNIT	014 N 32 19S 37E 660' FSL & 1980' FWL
30-025-05795-00-00	NORTH MONUMENT G/SA UNIT	001 A 32 19S 37E 570' FNL & 710' FEL
30-025-05796-00-00	NORTH MONUMENT G/SA UNIT	012 L 32 19S 37E 1980' FSL & 660' FWL
30-025-05797-00-00	NORTH MONUMENT G/SA UNIT	011 K 32 19S 37E 1980' FSL & 1980' FWL
30-025-05908-00-00	NORTH MONUMENT G/SA UNIT	003 C 5 20S 37E 660' FNL & 1980' FWL
30-025-05920-00-00	NORTH MONUMENT G/SA UNIT	001 A 5 20S 37E 660' FNL & 660' FEL
30-025-31503-00-00	NORTH MONUMENT G/SA UNIT	003 C 32 19S 37E 735' FNL & 1840' FWL