

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-05669
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1651-9
7. Lease Name or Unit Agreement Name NORTH MONUMENT G/SA UNIT BLK. 6
8. Well No. 3
9. Pool name or Wildcat EUNICE MONUMENT G/SA

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator AMERADA HESS CORPORATION	
3. Address of Operator DRAWER D, MONUMENT, NM 88265	
4. Well Location Unit Letter C : 660 Feet From The NORTH Line and 1980 Feet From The WEST Line Section 20 Township 19S Range 37E NMMPM LEA County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
	OTHER: UNDER-REAMED WELL <input checked="" type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1-14-93 THRU 2-9-93

MIRU RAM WELL SERVC. TOH W/RODS & PUMP. REMOVED WELLHEAD AND INSTALLED BOP. TOH W/TBG. TIH WITH 5-5/8" DRILL BIT & TAGGED AT 3948' FOR 79' OF FILL IN OPENHOLE. TOH W/BIT. TIH W/A 6-5/8" ELDER LOK-SET RETRIEVABLE BRIDGE PLUG, RETRIEVING TOOL & SN ON 128 JTS. 2-7/8" TBG. SET RBP AT 3860'. PRESSURE TESTED CASING FROM 0' TO 3860'. PRESS. DECREASED FROM 530 PSI TO 180 PSI IN 10 MIN. TIH W/A 6-5/8" ELDER FULLBORE PKR. SET AT 1822' & PRESSURE TESTED CASING FROM 0' TO 1822'. PRESSURE DECREASED FROM 590 PSI TO 560 PSI IN 10 MIN. RELEASED PKR. RE-SET PKR. AT 3806'. PRESS. TESTED RBP AT 3860'. PRESSURE REMAINED AT 515 PSI FOR 10 MIN. RESET PKR. REPEATEDLY TO DETERMINE EXTENT OF CASING LEAK. LOCATED MAIN CASING LEAK FROM 1669' TO 1699' & MINOR LEAKS FR. 1699' TO 1947'. TOH WITH PKR. LOADED 6-5/8" CSG. WITH FRESH WATER. DUMPED 10 SKS. SAND ON TOP OF RBP, HALLIBURTON ESTABLISHED CIRC. THROUGH CASING-TUBING ANNULUS. PUMPED 111 SKS. MICRO MATTRIX CEMENT SLURRY AT 2 BPM & 100 PSI DISPLACED WITH (CONT)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cindy Robertson TITLE SR. ADMIN. STAFF ASSIST. DATE 4-15-93  
TYPE OR PRINT NAME Cindy Robertson TELEPHONE NO. 393-2144

(This space for State Use)

Orig. Signed by  
Paul Kautz  
Geologist

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE APR 24 1993

CONDITIONS OF APPROVAL, IF ANY:

6 BBLs. FRESH WATER. CEMENT LUG FROM 1385' TO 1999'. TIH 6-5/8" ELDER FULLBORE PKR. SET AT 826' & PRESS. CASING-TUBING ANNULUS TO 560 PSI. PUMPED 0.25 BBLs. FRESH WATER DOWN TUBING & PRESS. INCREASED TO 550 PSI. SHUT DOWN PUMP & PRESS. DECREASED TO 500 PSI IN 5 MIN. PUMPED 0.1 BBLs. FRESH WATER DOWN TUBING & PRESS. INCREASED TO 775 PSI. SHUT DOWN PUMP & PRESS. DECREASED TO 750 PSI IN 5 MIN. RELEASED PKR. & TOH. TIH W/5-5/8" DRILL BIT, & TAGGED TOP OF CEMENT AT 1385'. INSTALLED POWER SWIVEL & ESTABLISHED REVERSE CIRC. AT 3.0 BPM & 150 PSI. DRILLED CEMENT FROM 1385' TO 1692'. CIRC. CLEAN & PULL BIT TO 1680'. ESTABLISHED REVERSE CIRC. AT 3.0 BPM & 150 PSI & DRILLED CMT. FR. 1692' TO 1813'. CIRC. CLEAN & PRESS. TESTED CASING FROM 0' TO 1813'. PRESS. DECREASED FR. 570 PSI TO 550 PSI IN 30 MIN. DRILLED CEMENT FR. 1813' TO 2000' & CEMENT STRINGERS FROM 2000' TO 2035'. CIRC. CLEAN & PRESS. TESTED CASING FROM 0' TO 3806'. PRESS. DECREASED FR. 555 PSI TO 525 PSI IN 31 MIN. ESTABLISHED REVERSE CIRC. AT 3.0 BPM & 100 PSI. TIH W/DRILL BIT TO TOP OF SAND AT 3806'. REVERSED CIRC. SAND OFF RBP FROM 3806' TO 3860'. TOH W/BIT. TIH W/A RETRIEVING TOOL. RELEASED RBP AT 3860' & TOH. TIH W/A 5-5/8" DRILL BIT, LOADED CASING TUBING ANNULUS W/105 BBLs. FRESH WATER & ESTABLISHED REVERSE CIRC. AT 4.0 BPM & 100 PSI. GAUGED RETURNS & FOUND LOSSES INTO OPENHOLE AT 1.5 BPM. DRILLED THROUGH LEDGES IN OPENHOLE FR. 3948' TO 3970'. DRILLED THROUGH SOLID FILL FROM 3970' TO 4026'. RECOVERED PIECES OF IRON SULFIDE, CAST IRON, RUBBER & THIN WALLED METAL. RECOVERED FORMATION PIECES CONSISTING OF SANDSTONE & DOLOMITE & A SMALL AMOUNT OF SCALE. CIRC. ON BOTTOM FOR 1.5 HOURS & FORMATION RECOVERY DECREASED. LAID DOWN POWER SWIVEL & TOH W/BIT. RIGGED UP SCHLUMBERGER & RIH W/CALIPER-GR-CCL TOOLS. SCHLUMBERGER FOUND 6-5/8" CASING SHOE AT 3910' & TD AT 4026'. RAN CALIPER TOOL FROM 4023' TO 3996' & GR-CCL TO 2984'. CALIPER LOG SHOWED AN AVERAGE HOLE DIAMETER OF APPROXIMATELY 5-3/4", W/A MAXIMUM DIAMETER OF 8" AT 4002'. POH & RIGGED DOWN SCHLUMBERGER. TIH W/A 6-5/8" ELDER MODEL R PKR. SET AT 3806'. RIGGED UP CARDINAL SURVEYS & RIH W/A 1-3/8" O.D. TOOL STRING CONSISTING OF COLLAR LOCATOR, INJECTOR & DETECTOR. PUMPED 18 BBLs. FRESH WATER TO LOAD TUBING. PUMPED 1.0 BPM AT 250 PSI INTO FORMATION DURING TRACER SURVEY. CARDINAL LOCATED FLUID LOSSES IN OPENHOLE INTERVAL FROM 3906' TO 4026'. LOG SHOWED 19% OF INJECTED FLUID LOST BETWEEN CASING SHOE AT 3906' & 3970', 61% OF INJECTED FLUID LOST INTO SHOT INTERVAL FROM 3970' TO 4020' & 20% OF INJECTED FLUID LOST BELOW SHOT INTERVAL. FINAL PUMP PRESS. 500 PSI AT 1.0 BPM. POH & RIGGED DOWN CARDINAL SURVEY. RELEASED PKR. & TOH. REMOVED 6" 900 MANUAL BOP & INSTALLED A 6" 900 SPOOL WITH A 3" OUTLET & 6" 900 MANUAL BOP. TIH W/A 4-1/2" O.D. RIO UNDER REAMER. RIGGED UP FOAM AIR EQUIPMENT. FOAM AIR ESTABLISHED CONVENTIONAL CIRCULATION W/1600 CFM AIR & 8.5 GPM WATER AT 1000 PSI. UNDERREAMED OPENHOLE FR. 3915' TO 3939' FOR AN AVERAGE PENETRATION RATE OF 3.0 FT/HR. TOTAL WATER INPUT OF 96 BBLs. W/TOTAL WATER OUTPUT OF 300 BBLs. CIRC. CLEAN. TIH W/UNDERREAMER TO 3930' & ESTABLISHED CONVENTIONAL CIRC. W/1600 CFM AIR & 8.5 GPM WATER AT 800 PSI. UNDERREAMED OPEN HOLE FR. 3939' TO 3960', AT AN AVERAGE PENETRATION RATE OF 2.6 FT/HR. UNDERREAMED OPENHOLE FR. 3960' TO 3975' AT AN AVERAGE PENETRATION RATE OF 7.5 FT/HR. CIRC. CLEAN TIH W/UNDERREAMER TO 3960' & ESTABLISHED CONVENTIONAL CIRC. W/1600 CFM AIR & 8.5 GPM WATER AT 800 PSI. FOUND UNDERREAMER WOULD MOVE FREELY TO 3985'. INDICATING THAT ARMS ON UNDERREAMER WERE NOT ACTUATING PROPERLY. TOH W/4-1/2" RIO UNDERREAMER. TIH W/A NEW 4-1/2" RIO UNDERREAMER., ESTABLISHED CONVENTIONAL CIRC. & FOUND UNDERREAMER CUTTING HOLE FR. 3960' TO 3975', INDICATED THAT UNDERREAMER HAD MALFUNCTIONED ON PREVIOUS DAY FROM 3960'-3962'. UNDERREAMED FROM 3960' TO 3985', AT AN AVERAGE PENETRATION RATE OF 6.25 F/HR. CIRC. CLEAN & PULLED 5 JTS. 2-7/8" TBG. W/BOTTOM OF TOOL STRING AT 3836'. TIH W/UNDERREAMER TO 3960' & ESTABLISHED CONVENTIONAL CIRC. W/1600 CFM AIR & 8.5 GPM WATER AT 800 PSI. UNDERREAMED FROM 3985' TO 4021' AT AN AVERAGE PENETRATION RATE OF 18.0 FT/HR. WORKED UNDERREAMER UPHOLE AT 3' INTERVALS TO CHECK FOR CAVINGS. AT 4021', LOST ROTATION. ATTEMPTED TO WORK TUBING UPHOLE W/NO SUCCESS. PULLED UP TO 30 PTS. OVER STRING WEIGHT, W/NO UPWARD MOVEMENT. SET OFF JARS TWICE & EST. ROTATION, PULLED TO 4015' & LOST ROTATION, INDICATED THAT HOLE WAS CAVING IN ABOVE UNDERREAMER. RAN A HEAVY SWEEP OF SURFACTANT & WATER TO CIRC. HOLE CLEAN. PULLED 10 PTS. OVER STRING WT. & TOOL STRING PULLED FREE. PULLED TO 4010' & CIRC. W/ROTATION FOR 30 MIN. TOH W/4-1/2" RIO UNDERREAMER. SCHLUMBERGER TIH W/TOOL STRING CONSISTING OF AN LDT, W/CALIPER, CNL, GR & CCL TOOLS. FOUND TD AT 4017' & LOGGED FR. 4017' TO 3886' W/LDT, CALIPER, CNL, GR & CCL TOOLS & FR. 4017' TO 2960' W/CNL, GR. & CCL TOOLS. FOUND HOLE SIZE FROM CASING SHOE AT 3910' TO 3940' AT 7-3/4", 3940' TO 3960' AT 7.25" & 3960' TO 3970' AT 8". FOUND HOLE SIZE IN SHOT

INTERVAL FROM 3970' TO 4017' AT AN AVERAGE DIAMETER OF 8.5", W/A MAXIMUM OF 13.5" FROM 4012' TO 4017' & A MINIMUM 8" AT 3998'. RIGGED DOWN SCHL BERGER. TIH W/A 6-5/8" MODEL R PKR. SET AT 3799'. RIGGED UP CARDINAL SURVEYS & RIH W/1-3/8" O.D. TOOL STRING CONSISTING OF A COLLAR LOCATOR, INJECTOR & DETECTOR. PUMPED 20 BBLS. FRESH WATER AT 3.0 BPM & 0 PSI TO LOAD TUBING. DECREASED INJECTION RATE TO 0.8 BPM, DURING TRACER SURVEY. CARDINAL DETERMINED FLUID LOSSES IN OPENHOLE INTERVAL FROM 3906' TO 4013'. FINAL PUMP PRESS. 250 PSI AT 0.8 BPM. TOTAL VOLUME INJECTED - 90 BBLS. RIGGED DOWN CARDINAL SURVEYS. RELEASED PKR. & TOH LAYING DOWN 126 JTS. 2-7/8" WORK STRING, SN & 6-5/8" MODEL R PKR. TIH W/6-5/8" X 2-3/8" TUBING ANCHOR CATCHER W/40,000# SHEAR PINS ON 2-3/8" 10V TBG. DROPPED SV, PRESS. TESTED TBG. TO 1000 PSI & RETRIEVED SV. REMOVED 6" 900 MANUAL BOP & 6" 900 FLANGED SPOOL & INSTALLED TUBINGHEAD PACKING & SLIPS. SET TAC AT 3850' W/12,000# TENSION & SET SN AT 3943'. TIH W/PUMP, RODS, & LOADED TBG. W/FRESH WATER & CHECKED PUMP ACTION. RDPU, CLEANED LOCATION & RESUMED PUMPING WELL. TEST OF 2-23-93: PROD. 5 B.O., 132 B.W, & 6 MCFGPD IN 24 HRS.

