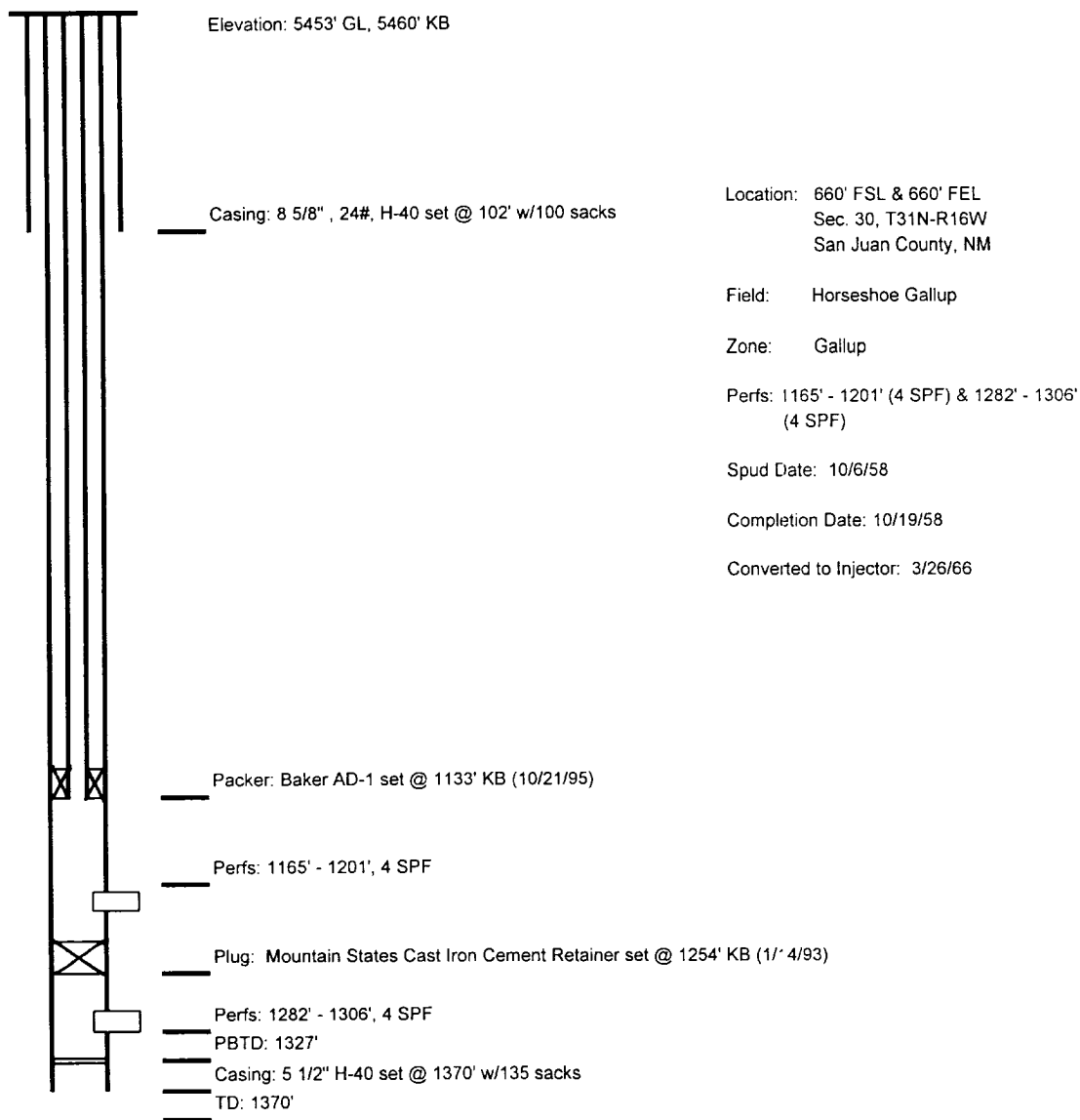


**CENTRAL RESOURCES, INC.**

## HORSESHOE GALLUP #5





# ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

AZTEC DISTRICT OFFICE

BRADENHEAD & PACKER TEST REPORT FOR INJECTION & SWD WELLS

1000 TWO CHAZINS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-8178

Date of Test 3/12/93 Tbg. Inj. Pres. 960 Water Injection Well ☒  
Operator VANTAGE Tbg. Shut In Pres. \_\_\_\_\_ Salt Water Disposal Well \_\_\_\_\_  
Csg. Pres. \_\_\_\_\_ Int. Csg. Pres. \_\_\_\_\_ Gas Injection Well \_\_\_\_\_  
Bradenhead Pres. \_\_\_\_\_ Max. Inj. Pres. 1992 C115's  
880 Producing Oil/Gas Well \_\_\_\_\_  
Well Name & No. HORSESHOE GALIUD INJ #5 Location Unit P Sec 30 T 31N R 16W

## BRADENHEAD TEST

If bradenhead has pressure, flow to atmosphere for 30 minutes and record casing pressure at 5 minute intervals.

### CASING PRESSURE

5 Minutes \_\_\_\_\_  
10 Minutes \_\_\_\_\_  
15 Minutes \_\_\_\_\_  
20 Minutes \_\_\_\_\_  
25 Minutes \_\_\_\_\_  
30 Minutes \_\_\_\_\_

### BRADENHEAD FLOWED

Steady Flow \_\_\_\_\_  
Surges \_\_\_\_\_  
Down to Nothing \_\_\_\_\_  
Nothing \_\_\_\_\_  
Gas \_\_\_\_\_  
Gas & Water \_\_\_\_\_

Remarks: \_\_\_\_\_

## PACKER TEST

If casing has pressure, flow to atmosphere for 30 minutes and record tubing pressure at 5 minute intervals.

5 Minutes \_\_\_\_\_  
10 Minutes \_\_\_\_\_  
15 Minutes \_\_\_\_\_  
20 Minutes \_\_\_\_\_  
25 Minutes \_\_\_\_\_  
30 Minutes \_\_\_\_\_

Remarks: \_\_\_\_\_

**RECEIVED**

MAR 16 1993

OIL CON. DIV  
DIST 3

## POSITIVE PRESSURE TEST

Pressured annulus up to 1050 psi. Casing held would not hold pressure for 30 min.

Remarks: 1) 1050 - NO LOSS IN PRESSURE - PASSED

KEN LINGO - EPA CONSULTANT PRESENT WITH NAVAJO EPA

BY: [Signature]

NHOC: Siama Jaurburt

POSITION: [Signature]