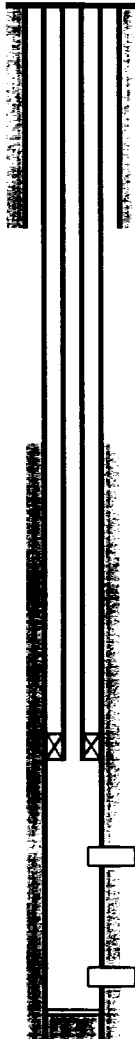


CENTRAL RESOURCES, INC.
HORSESHOE GALLUP #221

RECORDED
 MAR 20 1963
 OIL & GAS DIV.
 DIST. 3



Elevation: 5371' GL, 5380' KB

Location: 330' FNL & 2160' FEL
 Sec. 4 T30N-R16W
 San Juan County, NM

Field: Horseshoe Gallup

Zone: Gallup

Perfs: 1162' - 1168', 1174' - 1182', 1186' - 1192'
 1196' - 1206' & 1278' - 1306' (4 SPF)

Spud Date: 6/24/57

Completion Date: 7/29/57

Converted to Injector: 12/20/62

Casing: 8 5/8" 22# set @ 79' w/70 sacks

Packer: Baker Model A set @ 1140' KB (5/20/93)

Perfs: 1162' - 1168', 1174' - 1182', 1186' - 1192', & 1196' - 1206', 4 SPF

Perfs: 1278' - 1306', 4 SPF

PBDT: 1320'

Casing: 5 1/2" 14# J-55 set @ 1365' w/100 sacks

TD: 1365'



ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

AZTEC DISTRICT OFFICE

BRADENHEAD & PACKER TEST REPORT FOR INJECTION & SWD WELLS

1000 PNO 0112119 ROAD
AZTEC, NEW MEXICO 87410
(505) 334-8178

Date of Test 6/9/93 Tbg. Inj. Pres. _____ 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. 1993 CIIS SE
750 Producing Oil/Gas Well _____

Well Name & No. HORSESHOE GALLUP INJ #221 Location Unit B Sec 04 T 30N R 16W
FEDERAL

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
JUN 10 1993

OIL CON. DIV
\ DIST. 3

POSITIVE PRESSURE TEST

Pressured annulus up to 550 psi. Casing hold would not hold pressure for 30 min.

Remarks: P TO 550 DROPPED TO 325 < 10% PAGA

BY: [Signature]

NHOCD: [Signature]

POSITION: _____