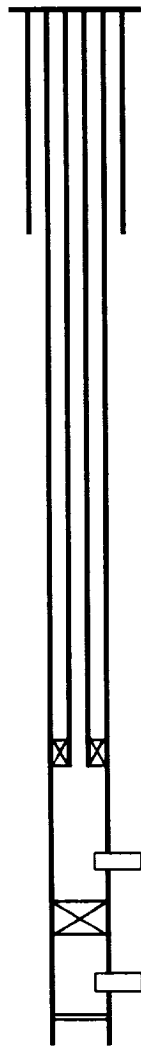


CENTRAL RESOURCES, INC.

HORSESHOE GALLUP #66



Elevation: 5339' GL, 5346' KB

Casing: 8 5/8", 24#, 8rd, J-55 set @ 100' w/115 sacks

Location: 660' FNL & 386' FWL
Sec. 33, T31N-R16W
San Juan County, NM

Field: Horseshoe Gallup

Zone: Gallup

Perfs: 1226' - 1254' & 1355' - 1363'

Spud Date: 11/10/59

Completion Date: 11/24/59

Converted to Injector: 2/21/63

Packer: Baker Model AD-1 set 1202' KB(2/22/93)

Perfs: 1226' - 1254'

Plug: Elder 4 1/2 Cement Retainer set @ 1295' KB(2/22/93)

Perfs: 1355' - 1363'

PBTD: 1376'

Casing: 4 1/2", 9.5#, 8rd, J-55 set @ 1408' w/160 sacks

TD: 1410'



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

BRADENHEAD & PACKER TEST REPORT FOR INJECTION & SWD WELLS

1000 PNO 014215 ROAD
AZTEC, NEW MEXICO 87410
505/334-8178

Date of Test 3/12/93 Tbg. Inj. Pres. 820 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 C1153 820 Producing Oil/Gas Well _____
Well Name & No. HORSESHOE GALLUP INJ #100 Location Unit D Sec 33 T 3N R 16W

BRADENHEAD TEST

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

CASING PRESSURE

BRADENHEAD FLOWED

5 Minutes _____
10 Minutes _____
15 Minutes _____
20 Minutes _____
25 Minutes _____
30 Minutes _____

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 925 psi. Casing held would not hold pressure for 30 min.

Remarks: 1) 925 - 850 IN 30 MINUTES - LESS THAN 10% - PASSED

KEN LINGO - EPA CONSULTANT PRESENT WITH NAVAJO EPA

BY: [Signature]

NHOC: Dianne Sauter

POSITION: Site Consultant