

REPORT NO.
115532 DST 1

PAGE NO. 1

TEST DATE:
24-FEB-1990

WELL PERFORMANCE
TESTING™ REPORT

RECEIVED

APR 11 '90

Schlumberger

A. C. D.
ARTESIA, OFFICE

COMPANY: BHP PETROLEUM INC.

WELL: SAMEDAN 35 STATE #2

TEST IDENTIFICATION

Test Type OHST
Test No. ONE
Formation MONTOYA
Test Interval (ft) 6120 to 6170
Depth Reference KB

WELL LOCATION

Field WILDCAT
County CHAVES
State N.M.
Sec/Twn/Rng 35,10S26E
Elevation (ft) 3685

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 6170
Hole Size (in) 7.875
Casing/Liner I.D. (in) 8.625
Perf'd Interval/Net Pay (ft) .. / 15
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type S/W/GEL DRISPA
Mud Weight (lb/gal) 9.7
Mud Resistivity (ohm.m)07 @ 60F
Filtrate Resistivity (ohm.m)..
Filtrate Chlorides (ppm) 130000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 3232
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 5440 / 3.83
Collar Length (ft)/I.D. (in) .. 638 / 2.25
Packer Depths (ft) 6110,6115
Bottomhole Choke Size (in) ... 15/16
Gauge Depth (ft)/Type 6165/J200-402

NET PIPE RECOVERY

Volume	Fluid Type	Properties
	GAS CUT DRLG	Rw.07@62F 130000ppm
90 ft	MUD	

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
.26 cuft	Gas	
1850 cc	Mud	Rw.07@62F 132000ppm
Pressure:55		GOR:0 GLR:22

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storativity Ratio, Omega
Interporos.Flow Coef..Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft)..
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%) 10
Reservoir Temperature (F) 125
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

This test was mechanically successful. This zone produced a small amount of gas and mud into the drill string.

The general character of the buildup plots suggest that the zone has poor effective permeability to the produced fluids at the time and conditions of this test. For questions about this report call Gil Hilsman at (915) 694-1986.