

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test
☒ Initial
☐ Annual
☐ Special

Test Date
12/30/85

Company
TENNECO OIL CO.

Connection

Well
BLANCO

Formation
MESA VERDE

Completion Date

Total Depth
4825

Plug Back TD
4665

Elevation

Farm or Lease Name
BOLACK B LS

Csg. Size 7" Wt.
4 1/2"

Set At
2725
4823

Perforations:
From 4056 To 4570

Well No.
1A

Trg. Size
2 3/8"

Set At
4555

Perforations:
From To

Unit Sec. Twp. Rje.
C 33 28 8

Type Well - Single - Bradenhead - G.C. or G.O. Multiple

Packer Set At

County
SAN JUAN

Producing Thru

Reservoir Temp. °F
8

Mean Annual Temp. °F

Baro. Press. - P_a

State
NEW MEXICO

L H Cq
.680

% CO₂

% N₂

% H₂S

Prover

Meter Run

Taps

FLOW DATA

TUBING DATA

CASING DATA

Duration of Flow

NO.

Prover Line Size

X

Orifice Size

Press. p.s.i.g.

Diff. h_w

Temp. °F

Press. p.s.i.g.

Temp. °F

Press. p.s.i.g.

Temp. °F

Duration of Flow

SI

2x6x.75

730

735

46

3 hours

1.

268

636

2.

3.

4.

5.

RATE OF FLOW CALCULATIONS

NO.

Coefficient (24 Hour)

$\sqrt{h_w P_m}$

Pressure P_m

Flow Temp. Factor Ft.

Gravity Factor F_g

Super Compress. Factor, F_{pv}

Rate of Flow Q, Mcfd

1

1.1

280

1.014

1.213

1.0364

3237

2.

3.

4.

5.

NO.

P_r

Temp. °R

T_r

Z

Gas Liquid Hydrocarbon Ratio Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons Deg.

Specific Gravity Separator Gas

Specific Gravity Flowing Fluid

Critical Pressure P.S.I.A.

Critical Temperature R

1

.42

506

1.31

.931

2.

3.

4.

5.

P_c 747 P_c² 558009

NO.

P_i

P_w

P_w²

P_c² - P_w²

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.0404$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2769$

1

648

419904

138105

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10607$

2

3

4

5

Absolute Open Flow 10607 Mcfd @ 15.025 Angle of Slope @ Slope, n .85

Remarks:

Approved by Division

Conducted by:

Calculated by:

Checked By: