



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 1226-6
Date Run 12/26/85
Date Sampled 12/22/85

Analysis For: **MESA PETROLEUM COMPANY**

Lease: **Williamson FCH1 St#509025**

Location: **Vandagriff**

Purpose: **Semi Annual**

Sampling Temp. **58** °F

Volume/day

Pressure on Bomb **290**

Producer: **Mesa Petroleum Company**

County: **Eddy** State: **New Mexico**

Sampled By: **H. Williamson**

Atmos Temp. °F

Formation: **Atoka**

PSIG; Line Pressure **302.2** PSIA PSIG

Gas Component

Analysis

Press. Base: **14.73**

Mol. %

Liq. %

GPM
Per MCF

Carbon Dioxide CO₂

.122

Oxygen O₂

Nitrogen N₂

.439

Hydrogen Sulfide H₂S

Methane C₁

89.122

Ethane C₂

6.516

Propane C₃

2.288

Iso-Butane IC₄

.305

Nor-Butane NC₄

.553

Iso-Pentane IC₅

.179

Nor-Pentane NC₅

.153

Hexanes plus

.322

Hexanes C₆

Heptanes

Heptanes Plus C₇+

Total

100.000

18.023

Pentane + G.P.M.

.270

Propane + GPM

1.175

5-lb Gasoline

.419

BTU Dry

1138

BTU Wet

1118

Calc. Specific Gravity

.640

@ Std. Press. **14.696**

BTU Dry

1135

BTU Wet

1115

Calc. Vap. Press. #/Sq. In.

Reid Vap. Press. #/Sq. In.

Z Factor

.9974

N Value

1.2927

Ave Mol Wt

18.5047

Ave Cu Ft/Gal

Run by **Jeffrey A. Propp**

Calculated By **Jeffrey A. Propp**

Ethane + GPM

2.917

Remarks:

Distribution:

RECEIVED BY

FEB 07 1986

O. C. D.

ARTESIA, OFFICE

5 Part.