

"Let your interest in Measurement be our Concern"



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 604-9
Date Run 06/04/85
Date Sampled 06/04/85

Analysis For: BENNETT & CATHEY WRLN.
Lease: Bright Fed #1 Producer: Sun Oil Company
Location: _____ County: Lea State: New Mexico
Purpose: Well Test Sampled By: _____
Sampling Temp. _____ °F Atmos Temp. 60 °F
Volume/day: 2947 Formation: _____
Pressure on Bomb: 405 PSIG: Line Pressure 418.2 PSIA PSIG

Gas Component

Analysis

Press. Base: 14.73

Mol. % Liq. % GPM
Per MCF

Carbon Dioxide CO ₂	<u>.330</u>		
Oxygen O ₂	<u>.010</u>		
Nitrogen N ₂	<u>.422</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>85.382</u>		
Ethane C ₂	<u>8.397</u>	<u>2.246</u>	
Propane C ₃	<u>3.546</u>	<u>.977</u>	
Iso-Butane IC ₄	<u>.494</u>	<u>.162</u>	
Nor-Butane NC ₄	<u>.846</u>	<u>.267</u>	
Iso-Pentane IC ₅	<u>.224</u>	<u>.082</u>	
Nor-Pentane NC ₅	<u>.179</u>	<u>.065</u>	
Hexanes plus	<u>.171</u>	<u>.079</u>	
Hexanes C ₆			
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>	<u>3.877</u>	
Pentane + G.P.M.		<u>.225</u>	
Propane + GPM		<u>1.631</u>	
26-lb Gasoline			

BTU Dry 1175
BTU Wet 1155
Calc. Specific Gravity .669

@ Std. Press. 14.696

BTU Dry 1173
BTU Wet 1152

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

Reid Vap. Press. #/Sq.In.

Z Factor .9971

N Value 1.2875

Ave Mol Wt 19.2935

Ave Cu Ft/Gal

Run by Ann Howe

Calculated By Jeffrey A. Propp

Remarks:

Distribution:

RECEIVED

JUN 10 1985

C. F. D.
HOBBS OFFICE