

"Let Our Interest in Measurement be our Concern"



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 904-12
Date Run 09/04/84
Date Sampled 09/02/84

Analysis For: BENNETT & CATHEY WRLN.
Lease: HPT-#3 WTP #3 Producer H.L. Brown
Location _____ County Lea State New Mexico
Purpose Well Test Sampled By R & C WRLN.
Sampling Temp. 80 °F Atmos Temp. 85 °F
Volume/day 1719 MCF Formation _____
Pressure on Bomb 250 PSIG; Line Pressure 263.2 PSIA PSIG

Gas Component

Analysis

Press. Base: 14.73

	Mol. %	Liq. %	GPM Per MCF	
Carbon Dioxide CO ₂	.480			BTU Dry <u>1262</u>
Oxygen O ₂	.040			BTU Wet <u>1243</u>
Nitrogen N ₂	1.438			Calc. Specific Gravity <u>.737</u>
Hydrogen Sulfide H ₂ S				
				@ Std. Press. 14.696
Methane C ₁	77.060		13.061	BTU Dry <u>1260</u>
Ethane C ₂	11.420		3.054	BTU Wet <u>1238</u>
Propane C ₃	6.345		1.748	
Iso-Butane IC ₄	.785		.257	Calc. Vap. Press. #/Sq. In. _____
Nor-Butane NC ₄	1.565		.493	Reid Vap. Press. #/Sq. In. _____
Iso-Pentane IC ₅	.321		.117	Z Factor <u>.9964</u>
Nor-Pentane NC ₅	.294		.106	N Value <u>1.2773</u>
Hexanes plus	.252		.116	Ave Mol Wt <u>21.2834</u>
Hexanes C ₆				Ave Cu Ft/Gal _____
Heptanes				
Heptanes Plus C ₇ +				Run by <u>Jeffrey A. Propp</u>
				Calculated By <u>Jeffrey A. Propp</u>
Total	100.000		18.954	
Pentane + G.P.M.			.340	
Propane + GPM			2.839	Ethane + GPM <u>5.893</u>
6-lb Gasoline			1.249	

Remarks:

Distribution:

RECEIVED

SEP 14 1984

OFFICE
HONORARY CHAIRMAN