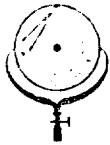


"It is our Interest in Measurement be our Concern."



PRECISION SERVICE INC.

Flow Measurement Engineers
Analysis Results Summary
Casper, WY 82601

Run No. 1007-1
Date Run 10/07/83
Date Sampled 10/05/83

OCT 13 1983

Analysis For: BENNETT & CATHEY WRLN.

Lease: Lightfoot Com. #1 Producer: Pogo Producing Co.
Location: Wildcat County: Eddy State: New Mexico
Purpose: Well Test Sampled By: B & C WRLN.
Sampling Temp.: 98 °F Atmos Temp.: 82 °F
Volume/day: 1800 MCF Formation:
Pressure on Bomb: 500 PSIG: Line Pressure 500 PSIG

Gas Component

Analysis

Press. Base: 14.73

Mol. %

Liq. %

GPM
Per MCF

Carbon Dioxide CO ₂	<u>.409</u>		
Oxygen O ₂	<u>.061</u>		
Nitrogen N ₂	<u>.993</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>88.165</u>		<u>14.909</u>
Ethane C ₂	<u>8.243</u>		<u>2.199</u>
Propane C ₃	<u>1.403</u>		<u>.385</u>
Iso-Butane IC ₄	<u>.209</u>		<u>.068</u>
Nor-Butane NC ₄	<u>.258</u>		<u>.081</u>
Iso-Pentane IC ₅	<u>.086</u>		<u>.031</u>
Nor-Pentane NC ₅	<u>.062</u>		<u>.022</u>
Hexanes plus	<u>.112</u>		<u>.048</u>
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>		<u>17.745</u>
Pentane + G.P.M.			<u>.102</u>
Propane + GPM			<u>.637</u>
6-lb Gasoline			<u>.585</u>

BTU Dry 1103
BTU Wet 1101
Calc. Specific Gravity .630

@ Std. Press. 14.696

BTU Dry 1101
BTU Wet 1099

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

Reid Vap. Press. #/Sq.In.

Z Factor .9975
N Value 1.2989
Ave Mol Wt 18.2011
Ave Cu Ft/Gal

Run by Jeffrey A. Propp

Calculated By Jeffrey A. Propp

Ethane + GPM 2.836

Remarks: BTU Wet adjusted to flowing conditions as established by FERC Order #93/93-A and calculated per GPA Reference Bulletin 181-B2.

Distribution: