

"I Our Interest in Measurement be our Concern"



PRECISION SERVICE INC.

Flow Measurement Engineers

Analysis Results Summary

Casper, WY 82601

Run No. 106-3
Date Run 01/02/86
Date Sampled 01/02/86

Analysis For: ARCO OIL & GAS COMPANY

Lease: State DE Producer: Arco Oil & Gas Co.
Location: _____ County: Eddy State: New Mexico
Purpose: _____ Sampled By: L. Bailey
Sampling Temp. 62 °F Atmos Temp. _____ °F
Volume/day: _____ Formation: Undesignated narrow
Pressure on Bomb 64.7 PSIG; Line Pressure 27.9 PSIA PSIG

Gas Component

Analysis

Press Base: 14.65

	Mol. %	Liq. %	GPM Per MCF
Carbon Dioxide CO ₂	<u>.509</u>		
Oxygen O ₂			
Nitrogen N ₂	<u>.365</u>		
Hydrogen Sulfide H ₂ S			
Methane C ₁	<u>73.593</u>		<u>13.932</u>
Ethane C ₂	<u>11.142</u>		<u>2.964</u>
Propane C ₃	<u>4.184</u>		<u>1.695</u>
Iso-Butane IC ₄	<u>.938</u>		<u>.305</u>
Nor-Butane NC ₄	<u>1.955</u>		<u>.613</u>
Iso-Pentane IC ₅	<u>.549</u>		<u>.260</u>
Nor-Pentane NC ₅	<u>.561</u>		<u>.195</u>
Hexanes plus	<u>1.144</u>		<u>.525</u>
Hexanes C ₆			
Heptanes			
Heptanes Plus C ₇ +			
Total	<u>100.000</u>		<u>19.308</u>
Pentane + G.P.M.			<u>.920</u>
Pentane + GPM			<u>3.332</u>
26-in. line			<u>1.437</u>

BTU Dry 1328
BTU Wet 1305
Calc. Specific Gravity 1.294

@ Std. Press. 14.696
BTU Dry 1328
BTU Wet 1309

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

Z Factor .9760
N Value 1.2723
Ave Mol Wt 30.3409
Ave Cu Ft/Gal _____

Run by Ann. House

Calculated By Jeffrey A. Fropp

Ethane + GPM 6.496

Remarks: Field 0.365 1.724

Distribution: _____

