

PHILLIPS PETROLEUM COMPANY

Analysis Results Summary

Location Odessa, Texas
 SS No. 1115
 Run No. 1115
 Date Run 7-31-69
 Date Secured 7-30-69
 Time _____
 Sampler's Ident. _____

 A Sample of: Casinghead Natural Gas, Double "L" Queen Field, Queen Formation,
Dalport Oil Corp.

 Secured from Wells 2-3-4, Spruck State Lease County Chaves State New Mexico
 Location S/2 NE & NE SE 36-14-29 Secured by R. H. Ritz

 Purpose Survey °F, Pressure on Bomb lbs./sq. in.; Bbls oil/day
 Sampling Conditions: Atmos. Temp. 100 ; Weather conditions at time of sampling _____
 Volume/day _____ PSIG; Line Pressure _____ PSIG.

Field Gas Pressure _____ PSIG.

Chromo Analysis 14.65 PSI at 60°F

	Mol. %	Liq. %		
Carbon Dioxide			Propane	Calc. G.P.M. <u>1.333</u>
Oxygen			Iso-Butane	Calc. G.P.M. <u>.257</u>
Nitrogen	<u>57.07</u>		Nor-Butane	Calc. G.P.M. <u>.597</u>
Hydrogen Sulfide			Pentane +	Calc. G.P.M. <u>1.347</u>
			Propane +	Calc. G.P.M. <u>3.334</u>
			Test Car (Date _____)	
			B.T.U./_____ cu. ft. W.B.	<u>723</u>
Methane	<u>24.33</u>		Calc. Specific Gravity	<u>.962</u>
Ethane	<u>8.15</u>		Calc. A.P.I. @ 60°F	
Propane	<u>4.86</u>		Observed A.P.I. Av.	<u>7.8</u>
Iso-Butane	<u>.79</u>		H ₂ S + CO ₂ by orsat	<u>Zero</u>
Nor-Butane	<u>1.90</u>		H ₂ S grains/100 cu. ft.	<u>Sweet to L.A.</u>
			Mercaptans gr/100 cu. ft.	
Iso-Pentane	<u>.67</u>		Calc. Vap. Press. #/sq. in.	
Nor-Pentane	<u>.75</u>		Reid Vap. Press. #/sq. in.	
Hexanes	<u>.74</u>		Cu. Ft. gas/Gal. Liq.	
Heptanes Plus	<u>.74</u>		Calc. Gasoline Factors	
Total	100.00	100.00	26-70 Gasoline	0.
Run by <u>Groomer</u>	Calculated by _____		Excess Butane	0.
Checked by <u>Groomer</u>	Approved by _____		Excess Propane	0.
			Excess Ethane & Lighter	1.0000

Additional Data and Remarks: Heater-Treater Pressure 30#Heater Temp. 147°Gas Temp. 116°Choke 12/64", 11/64", 19/64"Flowing Tubing Pressure 370#, 512#, 232#

Distribution:

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FEB 25 1970

C. S. B.
ARTESIA, OFFICE