PALS INC.

Fractional Analysis Results Summary

Petroleum Analytical Laboratory Service, Inc.

P. O. Box 4441 Phone 366-2866

ODESSA, TEXAS

NO.
RUN No. 18657
DATE OF RUN
DATE SECURED 10-6-70

RECEIVED
OCT 15 1970
O. C. C.
ARTESIA, OFFICE

A SAMPLE OF PAN AMERICAN STATE WELL #1
SECURED FROM Texas Oil & Gas
AT Midland, Texas
SECURED BY
TIME DATE
SAMPLING CONDITIONS PRESS. 583#
TEMP.

FRACTIONAL ANALYSIS
@ 14.696 and 60°

	MOL %	LIQ. %
CARBON DIOXIDE	1.08	
AIR		
NITROGEN	.29	
OXYGEN		
HYDROGEN SULF.	Sweet	
HYDROGEN		
METHANE	96.14	
ETHANE	2.06	
PROPANE	.27	
ISO-BUTANE	.04	
N-BUTANE	.04	
ISO-PENTANE	.02	
N-PENTANE	.01	
HEXANES	.03	
HEPTANES +	.02	
TOTAL	100.00	

CALC. SP. GR.	.600
CALC. A.P.I.	
Calc. Vapor Press.	
SP. GR. C +	
MOL. WT. C +	
VAP. PRESS. C. +	
GAL/ # MOL C +	
CF/GAL C +	
26.0 R.V.P. Gasoline	
EXCESS C4's	
EXCESS C3	
EXCESS C 2	
14.0 R.V.P. Gasoline	
EXCESS C4's	
EXCESS C 3	
EXCESS C 2	
12.0 R.V.P. Gasoline	
EXCESS C4's	
EXCESS C 3	
EXCESS C 2	

LIQUID CONTENT	
PROPANE CALC. G.P.M.	.074
BUTANES CALC. G.P.M.	.026
PENTANES PLUS. G.P.M.	.032
ETHANE CALC. G.P.M.	
B.T.U./CU. FT. @	
DRY BASIS	1021
WET BASIS	1003
Sulfur Analysis by Titration GR./100 CU. FT.	
HYDROGEN SULFIDE	
MERCAPTANS	
SULFIDES	
RESIDUAL SULFUR	
MOISTURE CONTENT, #/MM CU. FT.	

RUN BY Caswell CHECKED BY Wagner APPROVED BY [signature]

ADDITIONAL DATA AND REMARKS

Bomb checked out to be Sweet.