

102 23 1073

MULTI-POINT BACK-PRESSURE TEST REPORT										
Type Test: ☐ Initial ☐ Annual ☒ Special Test Date <u>4-18-78</u>										
Company <u>William Gruenerwald & Assoc., Inc.</u> Connection _____										
Field _____ Reservoir _____ Location _____										
Completion Date _____ Total Depth _____ Plug Back TD _____ Elevation _____										
Csg. Size _____ Wt. _____ d _____ Set At _____ Perforations: From _____ To _____										
Tbg. Size _____ Wt. _____ d _____ Set At _____ Perforations: From _____ To _____										
Type Completion (Describe) _____ Packer Set At _____										
Producing Thru _____ Reservoir Temp. F _____ Mean Ground Temp. F _____ Baro. Press. - P _a _____										
L _____ H _____ G _g <u>.716</u> % CO ₂ _____ % N ₂ _____ % H ₂ S _____										
Prover _____ Meter Run _____ Tops _____										
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow, Hr.
NO.	Prover Line Size	Choke Orifice Size	Press. psig	Diff. h _w	Temp. F	Press. psig	Temp. F	Press. psig	Temp. F	
1.								6.2		72+
2.								1.5		45 min.
3.								0		10 min.
4.										
5.										

NO.	Coefficient (24-Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor, F _t	Gravity Factor, F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1.	1/8		14.0	1.000	.9154	1.000	3
2.	1/4						
3.							
4.							
5.							

NO.	P _r	Temp. R	T _r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl
 API Gravity of Liquid Hydrocarbons _____ deg.
 Specific Gravity Separator Gas xxxxxxx
 Specific Gravity Flowing Fluid xxxxxxx
 Critical Pressure _____ psia Critical Temperature _____ R

NO.	P _t	P _t ²	P _c ² - P _t ²	P _w	P _w ²	P _c ² - P _w ²	P _s	P _s ²	P _i ² - P _s ²
1.									
2.									
3.									
4.									
5.									

AOF _____ Mcfd No test. Commission _____
 n _____ Well produced 94 Cu. Ft. Company William Gruenerwald & Assoc.
 before dead. Probable Others _____
 gas in pipe

THURMOND MCGLATHLIN, INC.
PO BOX 1698 PAMPA, TEXAS 665-5772

FRACTIONAL ANALYSIS *

DATE RUN:

APR 18, 1978

COMPONENTS	MOL %	GPM
N2	38.79	
CO2	0.01	
C1	61.01	10.308
C2	0.13	0.034
C3	0.05	0.013
IC4	0.00	0.000
NC4	0.01	0.003
IC5	0.00	0.000
NC5	0.00	0.000
C6+	0.00	0.000

COMPANY:

GRUENERWALD

LEASE:

GONZALES-PITMAN 5

SAMPLE OF:

PRESSURE:

TEMPERATURE:

CYL NO:

ANALYSIS BY:

SECURED BY:

DATE:

TIME:

1.5 PSIG

60 F

TH 465

J CHISUM

TH

4-18-78

GASOLINE CONTENT @ 14.65 PSIA & 60 F

	GPM
PENTANES & HEAVIER	0.000
BUTANE & HEAVIER	0.003
PROPANE & HEAVIER	0.016

BTU 14.73 PSIA & 60 F

DRY	621
WET	610

RESULTS TO
WH GRUENERWALD
COLO SPRINGS

SPECIFIC GRAVITY
0.716

* BASED ON GPA 2145 & 2172