

P. O. BOX 2988 * 24 HOUR PHONE 915/562-1328
MIDLAND, TEXAS 79701

AIR MONITORING
COMPLETE GAS SERVICE
CONSULTING CHEMISTS
POLLUTION CONTROL
WATER ANALYSIS

RUN NO. 12692

FEB 26 1980

DATE SECURED: 2/23/80

A SAMPLE OF: FELMONT FEDERAL #2 @ METER RUN SOUTH SALT LAKE FIELD

SECURED FROM: GRACE PETROLEUM CORP.

AT: MIDLAND, TEXAS

SECURED BY:

SAMPLING CONDITIONS: PRESS: TEMP: TIME: DATE:

***** FRACTIONAL ANALYSIS *****
@ 14.696 & 60 DEG. F.

	MOL. %	WT. %	LIO. %						
CARBON				CALC. SP. GR.	0.6511	PROPANE CALC	GPM	0.787	
DIOXIDE	0.25			CALC. MOL. WT.		BUTANES CALC	GPM	0.415	
NITROGEN	0.37			CALC. VAP PRES		PENTANES PLUS	GPM	0.211	
				SP. GR. C +		ETHANE CALC	GPM	1.917	
METHANE	87.47			GPM GAL/MOL C +		B. T. U. /CU. FT.			
ETHANE	7.19			1.917 CF/GAL C +		DRY BASIS		1149	
PROPANE	2.87			0.787 LB/GAL C +		WET BASIS		1129	
ISO-BUTANE	0.68			0.223 26.0 R. V. P.					
N-BUTANE	0.61			0.192 GASOLINE		26 # PRODUCT		0.387	
ISO-PENTANE	0.26			0.094 EXCESS C4'S		12 # PRODUCT		0.297	
N-PENTANE	0.13			0.046 EXCESS C3					
HEXANES	0.10			0.040 EXCESS C2		SULFUR ANALYSIS			
HEPTANES	0.07			0.031 14.0 R. V. P.		(GR. /100CU. FT.)			
				GASOLINE		HYDROGEN SULFIDE			
TOTAL	100.00			EXCESS C4'S		MERCAPTANS			
				EXCESS C3		SULFIDES			
				EXCESS C2		RESIDUAL SULFUR			
				12.0 R. V. P.		MOISTURE CONTENT			
				GASOLINE		(#/MMCU. FT.)			
				EXCESS C4'S					
				EXCESS C3					
				EXCESS C2					

RUN BY: BARNETT

CHECKED BY: DAWSON

APPROVED BY: *James L. Barnett*

***** ADDITIONAL DATA AND REMARKS *****

COPIES TO:

A DIVISION OF WPC, INC.

AIR MONITORING
COMPLETE GAS SERVICE
CONSULTING CHEMISTS
POLLUTION CONTROL
WATER ANALYSIS

RUN NO. 12693

DATE SECURED: 2/23/80

A SAMPLE OF: FELMONT FEDERAL #2 @ METER RUN SAMPLE#2 SOUTH SALT LAKE LD.
SECURED FROM: GRACE PETROLEUM CORP.

AT: MIDLAND, TEXAS

SECURED BY:

SAMPLING CONDITIONS: PRESS: 576 TEMP: 68 TIME: DATE:

FLOWING ON 2850 MCF AT 2410 LB.

***** FRACTIONAL ANALYSIS *****
@ 14.696 & 60 DEG. F.

	MOL. %	WT. %	LIQ. %			
CARBON				CALC. SP. GR.	0.6584	PROPANE CALC GPM 0.783
DIOXIDE	0.01			CALC. MOL. WT.		BUTANES CALC GPM 0.481
NITROGEN	0.35			CALC. VAP PRES		PENTANES PLUS GPM 0.207
				SP. GR. C +		ETHANE CALC GPM 1.905
METHANE	87.56			GPM GAL/MOL C +		B. T. U. /CU. FT
ETHANE	7.14			1.905 CF/GAL C +		DRY BASIS 1147
PROPANE	2.03			0.783 LB/GAL C +		WET BASIS 1127
ISO-BUTANE	0.67			0.219 26.0 R. V. P.		
N-BUTANE	0.58			0.182 GASOLINE		26 # PRODUCT 8.302
ISO-PENTANE	0.25			0.091 EXCESS C4'S		12 # PRODUCT 0.284
N-PENTANE	0.12			0.042 EXCESS C3		
HEXANES	0.10			0.041 EXCESS C2		SULFUR ANALYSIS
HEPTANES	0.07			0.033 14.0 R. V. P.		(GR. /100CU. FT.)
				GASOLINE		HYDROGEN SULFIDE
TOTAL	100.00			EXCESS C4'S		MERCAPTANS
				EXCESS C3		SULFIDES
				EXCESS C2		RESIDUAL SULFUR
				12.0 R. V. P.		MOISTURE CONTENT
				GASOLINE		(#/MMCU. FT.)
				EXCESS C4'S		
				EXCESS C3		
				EXCESS C2		

RUN BY: BARNETT

CHECKED BY: DAWSON

APPROVED BY: *James F. Barnett*

***** ADDITIONAL DATA AND REMARKS *****

COPIES TO: