

W. H. SOUTHWESTERN PIPELINE COMPANY
(A SUBSIDIARY OF HOUSTON NATURAL GAS)

PENNZOIL

AUG 09 1985

MIDLAND

GAS QUALITY TEST REPORT

PRODUCER PENNZOIL STATION NO. 1054-1
FIELD S. CARLSBAD EFFECTIVE DATE 07-03-85
RESERVOIR MORROW LAB NUMBER 6
STATION NAME MOBIL 12 FED. #1

COMPONENTS	SPECIFIC GRAVITY	MOLE FRACTION	LIQUEFIABLE HYDROCARBONS	COMPONENT GPM	GPM CONTENT
NITROGEN	.9672	.0041	PROPANE	27.514	.0633
CARBON DIOXIDE	1.5195	.0109	ISOBUTANE	32.698	.0131
HELIUM	.1382		N-BUTANE	31.510	.0095
OXYGEN	1.1048	.0000	LPG		.0858
HYDROGEN SULFIDE	1.1766	.0000	ISOPENTANE	36.582	.0073
WATER VAPOR	.6220	.0000	N-PENTANE	36.213	0.0000
			HEXANES	41.111	0.0000
			HEPTANES+	46.126	.0138
METHANE	.5539	.9643	NATURAL GASOLINE		.0212
ETHANE	1.0382	.0172			
PROPANE	1.5225	.0023	TOTAL LIQUEFIABLE GPM		.1070
ISOBUTANE	2.0060	.0004			
N-BUTANE	2.0060	.0003	WATER VAPOR CONTENT:		
ISOPENTANE	2.4911	.0002	GAS MIXTURE STATIC PSIG		300.0
N-PENTANE	2.4911	.0000	FLOWING GAS TEMP (F)		92.0
HEXANES	2.9753	.0000	WATER VAPOR DEW POINT (F)		-
HEPTANES+	3.5807	.0003	LBS WATER VAPOR / MMCF		59.0
			DEHY INSTALLED (TW)		YES
			DEHY IN SERVICE (TW)		NO
COMPOSITION-----		1.0000	INSTRUMENT TYPE		UGC
			MOL FRACTION		.0012
MIXTURE SPECIFIC GRAVITY			SULFUR CONTENT (GR. PER 100 CF)		
CALC. FROM ANAL. (REAL)		.580	HYDROGEN SULFIDE		
DETERMINED BY TEST INST.		.580	MERCAPTANS		
			SULFIDES		
MIXTURE HEATING VALUE			RESIDUALS		
(BTU/CF @ 14.73 PSIA, 60F, SAT.)			TOTAL SULFUR		
CALCULATED FROM ANALYSIS		1001	MOLE FRACT H2S		
BY CALORIMETRY		NONE	COMPRESSIBILITY (Z)		.9979

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ANALYST *Joe Hosen* [TW]

REMARKS:00