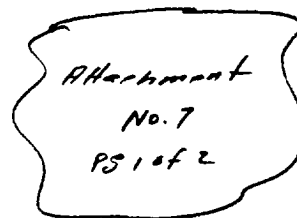


CO.CD 23 EL PASO NATURAL GAS
CUSTOMER ACCOUNTING SERVICES DEPARTMENT
VOLUME CALCULATION DIVISION
POST OFFICE BOX 1492
EL PASO, TEXAS 79978

CONTACTS:
EL PASO FIELD SERVICES
(713) 757-5953
EL PASO MAINLINE
(915) 496-2595

DATE 11/05/98

CHROMATOGRAPHIC GAS ANALYSIS REPORT



MAILEE
26730

DUGAN PRODUCTION CORPORATION
P O BOX 420
FARMINGTON, NM 87499-0420

METER NUMBER 99403 - LEAH MARIE #1 - *Basin Fruitland Coal*
OPERATOR 1862 - DUGAN PRODUCTION CORP

ANALYSIS DATE	10/28/98	TYPE CODE	2 - ACTUAL
SAMPLE DATE	10/03/98	H2S GRAINS	0
EFFECTIVE DATE	11/01/98	LOCATION	F - FARM BECK
EFFECTIVE FOR	6 MONTHS		

COMPONENTS	NORMALIZED MOL %	GPM
CO2	.72	.000
H2S	.00	.000
N2	2.00	.000
METHANE	96.63	.000
ETHANE	.64	.171
PROPANE	.01	.003
ISO-BUTANE	.00	.000
NORM-BUTANE	.00	.000
ISO-PENTANE	.00	.000
NORM-PENTANE	.00	.000
HEXANE PLUS	<u>.00</u>	<u>.000</u>
	100.00	0.174

SPECIFIC GRAVITY .573
MIXTURE HEATING VALUE
(BTU @ 14.73 DRY) 992
RATIO OF SPECIFIC HEATS .000
NO TEST SECURED FOR H2S CONTENT

Basin Fruitland Coal
C-23-76N-12 W