

NORTHERN NATURAL GAS COMPANY
CHROMATOGRAPHIC GAS ANALYSIS REPORT

RECEIVED

853496

STATION IDENTIFIER

01.....
509025*****
* MESA 10-16-87 NOV 20 1985 *****

DATA CARD TYPE

08.. (1)
60

* WILLIAMSON FED 1 EDDY *****

DATE SAMPLE TAKEN

10.....
102485* BTU/CF @14.73
* 60 DEGREES

OVERRIDE CODE

17.

* FIELD GRAVITY

LABORATORY CODE

18.
H

REMARKS:

	MOL FRAC	GPM	GRAV	BTU
HELIUM	21..... 0.0014	0.0000	0.0002	0.0000
OXYGEN	25..... 0.0000	0.0000	0.0000	0.0000
CO2	29..... 0.0028	0.0000	0.0043	0.0000
N2	33..... 0.0039	0.0000	0.0038	0.0000
HYDROGEN H2	37..... 0.0000	0.0000	0.0000	0.0000
HYDROGEN SULFIDE	41..... 0.0000	0.0000	0.0000	0.0000
METHANE C1	45..... 0.8901	0.0000	0.4930	901.0812
ETHANE C2	49..... 0.0638	0.0000	0.0662	113.1617
PROPANE C3	53..... 0.0221	0.6090	0.0336	55.7345
ISO-BUTANE I-C4	57..... 0.0029	0.0949	0.0058	9.4523
NORM-BUTANE N-C4	61..... 0.0053	0.1671	0.0106	17.3302
ISO-PENTANE I-C5	65..... 0.0017	0.0622	0.0042	6.8173
NORM-PENTANE N-C5	69..... 0.0014	0.0507	0.0035	5.6254
HEXANE C6+	73..... 0.0046	0.2000	0.0147	23.5503
IDEAL GAS (TOTALS)	1.0000	1.1839	0.6401	1132.7528
REAL GAS		1.1871	0.6418	1135.8724
Z FACTOR =	0.9973		DRY SATURATED	1116.1081

DISTRIBUTION LIST

(X) O'DONOVAN	() BIG LAKE	() F. TREVINO
(X) FOSNESS	() ANDREWS	() DUSTY WEAVER
(X) G. LENZ	() ZAVALA	() MARK BAILEY
() NOLAN	() J. L. DAVIS	() TRUMAN AULD
() HEADRICK	() R. M. ROSS	() HECTOR CASAS
() J. RICH	() RODNEY MURR	() ROBERT LEE

GAS MEASUREMENT

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NOV 18 1985

NOV 18 1985

COPY TO CTY, LMC, TLS, D&M

RES. ENGR.

NOV 21 1985

PRODUCTION RECORDS