CITIES SERVICE ØIL CØMPANY
NATURAL GAS LIQUIDS GRØUP

*****GAS SAMPLE---6228*****

CLINTØN ØIL CØMPANY (EFFECTIVE 11-27-73)
TJADEN "A" (STATIØN #66116) (DIFF. = 4.5")
DATE TAKEN ØCTØBER 16, 1973
DATE ANALYZED ØCTØBER 26, 1973
SAMPLE TEMPERATURE WHEN TAKEN, DEG. F 63
SAMPLE PRESSURE WHEN TAKEN, PSIG 14
SAMPLE TEMPERATURE WHEN ANALYZED, DEG. F 100
SAMPLE PRESSURE WHEN ANALYZED, PSIG 15.5

CØMPØNENT	MØL PCT	GPM (60 F,14.650 PSIA)
NITRØGEN	3.69	0.403
CARB-DIØXIDE	0.	0.
METHANE	72.17	12.162
ETHANE	11.87	3.155
PRØPANE	7.14	1.953
ISØ-BUTANE	0.95	0.308
N-BUTANE	2.43	0.762
ISØ-PENTANE	0.51	0.186
N-PENTANE	0.65	0.234
HEXANES +	0.59	0.253
TØTALS	100.00	3.696 (C3+ ØNLY)
		6.851 (C2+ ØNLY)

TØTAL BTU/CU.FT.	1300.6422 (GRØSS,DRY,60 F,14.650 PSIA)
TØTAL BTU/CU.FT.	1277.8810 (GRØSS,WET,60 F,14.650 PSIA)
AVERAGE MOLECULAR WEIGHT	22.6716
SPECIFIC GRAVITY	0.7828
N VALUE	1.2737
26/70 GASØLINE GPM	1.0125

CITIES SERVICE OIL AND GAS CORP.

NATURAL GAS LIQUIDS DIVISION

***** GAS SAMPLE---6696 *****

STATION# A15661160 TYPE A RUN 2
EFFECTIVE DATE, 5/27/85
ENERGY RESERVES GROUP (ACT) (CORRECTED COPY)
TJADEN "A" (VOLUME - 140 MCFD)
DATE TAKEN APRIL 17, 1985
DATE ANALYZED MAY 02, 1985

SAMPLE TEMPERATURE WHEN TAKEN, DEG. F	80
SAMPLE PRESSURE WHEN TAKEN, PSIG	14.5
SAMPLE TEMPERATURE WHEN ANALYZED, DEG. F	120
SAMPLE PRESSURE WHEN ANALYZED, PSIG	11
FIELD DETERMINED GRAVITY	NONE

	COMPONENT	MOL PCT	GPM (60 F,14.650 PSIA)
		**********	
9)	NITROGEN	2.31	.251
10)	CARB-DIOXID	.22	.038
11)	H-SULFIDE	.00	.000
12)	METHANE	64.61	10.891
13)	ETHANE	16.10	4.283
14)	PROPANE	9.92	2.720
15)	ISO-BUTANE	1.27	.413
16)	N-BUTANE	3.14	.984
17)	ISO-PENTANE	.58	.210
18)	N-PENTANE	.74	.267
19)	HEXANES+	1.11	.477
		**********	
	TOTALS	100.00	5.071 (C3+ ONLY)
			9.354 (C2+ ONLY) .954 (IC5+ ONLY)

TOTAL BTU/CU.FT. * 1442.8340 (GROSS, REAL DRY,60 F,14.650 PSIA)
TOTAL BTU/CU.FT. * 1435.5760 (GROSS, IDEAL DRY,60 F,14.650 PSIA)
TOTAL BTU/CU.FT. * 1417.5850 (GROSS, REAL WET,60 F,14.650 PSIA)
OTAL BTU/CU.FT. * 1410.4530 (GROSS, IDEAL WET,60 F,14.650 PSIA)

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****

CENTRAL LAB

TULSA, OKLA

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ENTREX 206 ADVICES

MM CODE ___ (1) PB CODE ___ (3) TYPE (I) ___ (4)
STATION # _____ (5 - 7)
TYPE (A) _____ (4) EFFECTIVE __/__/__ (10)
EXPIRES __/__/__ (11) PERIOD OF DAYS _____ (12)
ANAL RETENT. _____ (13) VAP LIQ CODE _____ (14)
SPEC GRAV _____ (35) ADV DATE __/__/__ (38)
****

Z FACTOR(60 F, 14.696 PSIA) * .994969
* CALCULATED USING GPA 2172
AVERAGE MOLECULAR WEIGHT 24.8658
35) SPECIFIC GRAVITY, REAL * .8625
N VALUE 1.2583
26/70 GASOLINE GPM 1.4794

APPENDIX C2