

15-189-22308

31-31-38W

From: Robert Caraway Caraway Analytical, Inc. Fax: 316-626-7108
 To: Simpson, Paul - Backup Trilobite Tesing, L. L. C. Fax: 1-785-625-4504

16:19:02 6/29/99 Page 2 of 2 Log:878

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number: 993356
 Sample From: Cavner A-3 DST 2
 Producer: Oxy USA, Inc.
 Date:
 Time:
 Sampler: Mike Colontonio
 Source:

Analyzed: 06/29/99
 Pressure:
 Temperature:
 Location: 30-20-38
 County: Stevens
 State: Kansas
 Formation: L Morrow

	Mole %	GPM
Helium	He: 0.353	0.000
Hydrogen	H2: 0.011	0.000
Oxygen	O2: 0.827	0.000
Nitrogen	N2: 9.334	0.000
Carbon Dioxide	CO2: 0.053	0.000
Methane	C1: 80.950	0.000
Ethane	C2: 4.190	1.121
Propane	C3: 2.259	0.622
Iso Butane	iC4: 0.335	0.110
Normal Butane	nC4: 0.730	0.230
Iso Pentane	iC5: 0.213	0.078
Normal Pentane	nC5: 0.256	0.093
Hexanes Plus	C6+: 0.489	0.213
TOTAL:	100.000	2.467
Z Fact:	0.9977	
SP. GR.:	0.6777	
BTU (SAT):	1014.0 @ 14.73 psia	
BTU (DRY):	1032.0 @ 14.73 psia	
OCTANE RATING:	113.1	

COMMENTS:

0.000