Core Lab
RESERVOIR PETROLEUM

EXTENDED GAS ANALYSIS

V0000556 - 2		6868	52134-2010-2474
CONTAINER IDENTITY	METER ID	WELL LICENSE NUMBER	LABORATORY FILE NUMBER

Relative Resources	1
OPERATOR	PAGE

100/06-07-009-28W1/00	Relative Res Daly 6-7-9-28		
LOCATION (UWI)	WELL NAME	KB ELEV (m)	GR ELEV (m)

Daly		Core Lab - Estevan
FIELD OR AREA	POOL OR ZONE	SAMPLER

TEST TYPE AND NO.	YEGY RECOVERY

Wellhead Casing
POINT OF SAMPLE — SAMPLE POINT ID

PUMPING — FLOWING — GAS LIFT — SWAB

WATER m³/d — OIL m³/d — GAS m³/d

TEST INTERVAL or PERFS (metres)

SEPARATOR — RESERVOIR — OTHER — TSTM @ 25 °C CONTAINER WHEN SAMPLED — 20 @ 22 °C CONTAINER WHEN RECEIVED

Pressures, kPa (gauge)

SEPARATOR — OTHER

Temperatures, °C

09:15 Hrs

2010 07 02	2010 07 05	2010 07 12	TUN		@ °C
DATE SAMPLED (Y/M/D)	DATE RECEIVED (Y/M/D)	DATE ANALYZED (Y/M/D)	ANALYST	AMT. AND TYPE CUSHION	MUD RESISTIVITY

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m³ AIR FREE AS RECEIVED
H_2	0.0014	0.0014	
He	0.0003	0.0003	
N_2	0.2004	0.2030	
CO_2	0.0062	0.0000	
H_2S	0.0066	0.0000	
C_1	0.0398	0.0402	
C_2	0.1787	0.1810	635.0
C_3	0.3225	0.3266	1,185.1
iC_4	0.0488	0.0494	213.1
C_4	0.1119	0.1133	470.8
iC_5	0.0271	0.0275	132.3
C_5	0.0264	0.0268	127.7
C_6	0.0173	0.0175	90.7
C_{7+}	0.0128	0.0130	71.7
Total	1.0000	1.0000	2,926.4

CALCULATED GROSS HEATING VALUE MJ/m³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C
77.51	78.34	97.3
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS

CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa
MOISTURE FREE AS SAMPLED

1.766 kg/m³	1.458	42.2
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS

CALCULATED PSEUDOCRITICAL PROPERTIES

AS SAMPLED		ACID GAS FREE	
4091.4 kPa (abs)	319.2 K	4037.9 kPa (abs)	319.0 K
pPc	pTc	pPc	pTc

C_{7+} PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION	METHOD
731.4 kg/m³	96.2	0.0066000	Field	Tutweiler
DENSITY	MOLECULAR WEIGHT	HYDROGEN SULPHIDE		

REMARKS:

H2S determined in the field by tutweiler = 0.66 %

Client field conditions were not available.

NOTE: THE GROSS HEATING VALUE HAS BEEN CALCULATED IN ACCORDANCE TO AGA REPORT #5 AND ALL PROPERTIES HAVE BEEN CALCULATED UTILIZING PHYSICAL CONSTANTS AND BOILING POINT GROUPING.