AGAT® Laboratories

GAS ANALYSIS

Container Identification
5002821

Operator Name	Previous Number	Laboratory Number
EOG RESOURCES CANADA INC.	10GS429853A	10GS437794A

Unique Well Identifier	Well Name
15-09-002-25W1	WASKADA 15-9 BATTERY

Field or Area	Pool or Zone	Sampler's Company
WASKADA	NOT APPLICABLE	AGAT/ESTEVAN

Well License	Elevation	Test Type	Test No.	Name of Sampler
	KB m GRD m			

Test Interval or Perfs mKB		Sampling Point
		FREE WATER KNOCK OUT

	Separator	Reservoir	Source	Sampled	Received
Pressure (kPa)			150	150	120
Temperature			16	16	21

Date Sampled	Date Received	Date Analyzed	Date Reported	Entered By	Certified By
Sep 23, 2010	Sep 24, 2010	Sep 29, 2010	Sep 29, 2010	Gerry Ecker	Gerry Ecker

Other Information
FIELD H2S BY TUBE = 1200 ppm

** Results relate only to the items tested*

COMP	MOLE FRACTION		PETROLEUM LIQUID
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	mL / m³
H2	0.0001	0.0001	
He	0.0001	0.0001	
N2	0.0617	0.0623	
CO2	0.0077	0.0000	
H2S	0.0012	0.0000	
C1	0.4751	0.4794	
C2	0.2037	0.2055	
C3	0.1598	0.1612	587.2
IC4	0.0183	0.0185	79.9
NC4	0.0454	0.0458	191.0
IC5	0.0088	0.0089	43.0
NC5	0.0093	0.0094	45.0
C6	0.0053	0.0053	29.1
C7+	0.0035	0.0035	22.1
Total	1.0000	1.0000	997.3

Comparably different from most recent sample:
H2S,C1,C3
Exceeds normal limits:
N2

GROSS HEATING VALUE MJ/m³
15° C AND 101.325 kPa

Air Free As Received	Moisture & Acid Gas Free	C7+, Air Free As Received
58.91	59.40	0.74

RELATIVE DENSITY (CALCULATED) **DENSITY**

Moisture Free	Moisture & Acid Gas Free	C7+, Moisture Free	C7+, Portion Whole Density	C7+ Density (kg/m3)	Total Sample Density(kg/m3)
0.992	0.987	3.556	0.012	692.0	1.215

PSEUDO CRITICAL PROPERTIES (CALCULATED)

As Sampled		Acid Gas Free	
pPc (abs) kPa	pTc K	pPc (abs) kPa	pTc K
4459.3	262.2	4431.1	261.7

RELATIVE MOLECULAR MASS

Total Gas	C_7+
28.7	103.0

VAPOUR PRESSURE (Pentanes +)

91.25 kPa

H_2S g/m³

1.73

GAS ANALYSIS

Container Identification
4000234

Operator Name	Previous Number	Laboratory Number
EOG RESOURCES CANADA INC.	10GS429853B	10GS437794B

Unique Well Identifier	Well Name
15-21-001-25W1	WASKADA 15-21 BATTERY

Field or Area	Pool or Zone	Sampler's Company
WASKADA	NOT APPLICABLE	AGAT/ESTEVAN

Well License	Elevation	Test Type	Test No.	Name of Sampler
	KB m GRD m			

Test Interval or Perfs mKB		Sampling Point
		FREE WATER KNOCK OUT

	Separator	Reservoir	Source	Sampled	Received
Pressure (kPa)			200	200	160
Temperature			20	20	21

Date Sampled	Date Received	Date Analyzed	Date Reported	Entered By	Certified By
Sep 23, 2010	Sep 24, 2010	Sep 29, 2010	Sep 29, 2010	Gerry Ecker	Gerry Ecker

Other Information
FIELD H2S BY TUBE = 1200 ppm

** Results relate only to the items tested*

COMP	MOLE FRACTION		PETROLEUM LIQUID
	AIR FREE AS RECEIVED	AIR FREE ACID GAS FREE	mL / m³
H2	TRACE	TRACE	
He	0.0001	0.0001	
N2	0.0545	0.0548	
CO2	0.0051	0.0000	
H2S	0.0012	0.0000	
C1	0.4498	0.4527	
C2	0.2185	0.2199	
C3	0.1770	0.1781	650.4
IC4	0.0196	0.0197	85.6
NC4	0.0478	0.0481	201.1
IC5	0.0087	0.0088	42.5
NC5	0.0092	0.0093	44.5
C6	0.0048	0.0048	26.3
C7+	0.0037	0.0037	23.5
Total	1.0000	1.0000	1073.9

Comparably different from most recent sample:
C1,C2,C3
Exceeds normal limits:
N2

GROSS HEATING VALUE MJ/m³
15° C AND 101.325 kPa

Air Free As Received	Moisture & Acid Gas Free	C7+, Air Free As Received
60.96	61.31	0.79

RELATIVE DENSITY (CALCULATED) **DENSITY**

Moisture Free	Moisture & Acid Gas Free	C7+, Moisture Free	C7+, Portion Whole Density	C7+ Density (kg/m3)	Total Sample Density(kg/m3)
1.015	1.012	3.590	0.013	693.4	1.243

PSEUDO CRITICAL PROPERTIES (CALCULATED)

As Sampled		Acid Gas Free	
pPc (abs) kPa	pTc K	pPc (abs) kPa	pTc K
4456.5	267.9	4436.1	267.6

RELATIVE MOLECULAR MASS

Total Gas	C_7+
29.4	104.0

VAPOUR PRESSURE (Pentanes +)

91.39 kPa

H_2S g/m³

1.73