

07000395A 22GS940681C 24GS143002A
Container Identification *Sample Point Code* *Meter Code* *AGAT WDMS Number* *Previous Number* *Laboratory Number*

TUNDRA OIL & GAS LIMITED WELLHEAD CASING 102/04-18-010-27W1/00
Operator Name *Sampling Point* *Unique Well Identifier*

TUNDRA DALY SINCLAIR H₂N₂L 4-18-10-27 11374 04-19-010-27W4
Well Name *Well License* *Well Status* *Well Fluid Status* *LSD*

DALY LODGEPOLE AGAT/ESTEVAN KJ
Field or Area *Pool or Zone* *Sampler's Company* *Name of Sampler*

Test Interval (mKB)		Elevation (m)		Pressure (kPa)		Temperature (°C)	
From :	To:	497.70	493.00	200	210	14	23
		KB	GRD	Source	Received	Source	Received

May 02, 2024 May 03, 2024 May 03, 2024 May 03, 2024 Calgary - Amy Wu - Reporter
Date/Time Sampled *Date Received* *Date Analyzed* *Date Reported* *Location - Approved By - Title*

Other Information : FIELD H₂S BY TUT:0.4449%/ LAB H₂S BY GC = 0.0218%

COMPOSITION

Component	Mole Fraction		Liquid Volume mL / m ³	Mole Fraction of Previous Analysis
	Air Free As Received	Air & Acid Gas Free As Received		
H ₂	0.0007	0.0007		0.0001
He	0.0006	0.0006		0.0002
N ₂	0.5589	0.5809		0.2405
CO ₂	0.0331	0.0000		0.0139
H ₂ S	0.0044	0.0000		0.0043
C ₁	0.0705	0.0733		0.0654
C ₂	0.1385	0.1439	492.2	0.2215
C ₃	0.1287	0.1337	472.9	0.2835
iC ₄	0.0140	0.0145	61.1	0.0403
nC ₄	0.0320	0.0332	134.6	0.0902
iC ₅	0.0064	0.0066	31.2	0.0156
nC ₅	0.0063	0.0065	30.5	0.0136
C ₆	0.0038	0.0039	20.9	0.0064
C ₇₊	0.0021	0.0022	13.2	0.0045
TOTAL	1.0000	1.0000	1256.6	1.0000

PROPERTIES

Calculated Heating Value @15 °C & 101.325 kPa (MJ/m³)

Gross			Net	
32.75	33.88	0.44	29.94	30.98
<i>Air Free as Received</i>	<i>Moisture & Acid Gas Free</i>	<i>C₇₊ Moisture Free</i>	<i>Air Free as Received</i>	<i>Moisture & Acid Gas Free</i>

Calculated Density

Relative			Absolute	
1.118	1.103	3.552	691.9	1.369
<i>Moisture Free As Received</i>	<i>Moisture & Acid Gas Free</i>	<i>C₇₊ Moisture Free</i>	<i>C₇₊ Density (kg/m³)</i>	<i>Total Sample Density (kg/m³)</i>

Calculated Pseudo Critical Properties

As Sampled		Acid Gas Free	
3961.2	213.9	3820.9	210.0
<i>pPc (kPa)</i>	<i>pTc (K)</i>	<i>pPc (kPa)</i>	<i>pTc (K)</i>

Hydrogen Sulfide (H₂S) (ppm)

Field Value		Laboratory Value		g/m ³
4449				
<i>Stain Tube</i>	<i>Tutweiler</i>	<i>Other</i>	<i>GC-SCD</i>	6.33

Calculated Molecular Weight (Moisture Free as Received) (g/mol)

32.4	102.9
<i>Total Sample</i>	<i>C₇₊ Fraction</i>

Calculated Vapour Pressure

92.96
<i>C₇₊ (kPa)</i>

Gas Compressibility

0.9928
@ 15 °C & 101.325 kPa

WDMS Data Verification Check 

Exceeds normal limits: N2
Exceeded compare limits: H2, C1, CO2, C2, C3, IC4, NC4, C6, C7

Disclaimer: The result in this report has been confirmed by a duplicate run.

Results relate only to items tested. Analysis and associated calculations are based on GPA 2261, GPA 2286, GPA 2145, AGA #5, and TP-17.

View or download your data online at webfluids.agatlabs.com