

07001313D 22GS932797D
 Container Identification Sample Point Code Meter Code AGAT WDMS Number Previous Number Laboratory Number

TUNDRA OIL & GAS LIMITED WELLHEAD CASING 102/04-11-003-29W1/00
 Operator Name Sampling Point Unique Well Identifier

TUNDRA PIERSON PROV. HzNTL 4-11-3-29 10456
 Well Name Well License Well Status Well Fluid Status LSD

PIERSON MISSION CANYON AGAT/ESTEVAN CB
 Field or Area Pool or Zone Sampler's Company Name of Sampler

Test Interval (mKB)		Elevation (m)		Pressure (kPa)		Temperature (°C)	
From :	To:	476.20	472.10	600	550	30	21
		KB	GRD	Source	Received	Source	Received

Aug 12, 2022 Aug 16, 2022 Aug 23, 2022 Aug 23, 2022 Calgary - Gerry Ecker - Reporter
 Date/Time Sampled Date Received Date Analyzed Date Reported Location - Approved By - Title

Other Information : FIELD H2S BY TUT = 1.39%

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	0.0002	0.0002		
He	0.0003	0.0003		
N ₂	0.1204	0.1241		
CO ₂	0.0156	0.0000		
H ₂ S	0.0139	0.0000		
C ₁	0.4164	0.4291		
C ₂	0.2064	0.2127	733.5	
C ₃	0.1583	0.1631	581.7	
iC ₄	0.0167	0.0172	72.9	
nC ₄	0.0359	0.0370	151.0	
iC ₅	0.0051	0.0053	24.9	
nC ₅	0.0049	0.0050	23.7	
C ₆	0.0024	0.0025	13.2	
C ₇₊	0.0035	0.0035	23.4	
TOTAL	1.0000	1.0000	1624.3	

PROPERTIES

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

Gross			Net	
53.96	55.23	0.79	49.01	50.17
Air Free as Received	Moisture & Acid Gas Free	C ₇₊ Moisture Free	Air Free as Received	Moisture & Acid Gas Free

Calculated Density

Relative			Absolute	
0.993	0.982	3.819	702.2	1.217
Moisture Free As Received	Moisture & Acid Gas Free	C ₇₊ Moisture Free	C ₇₊ Density (kg/m ³)	Total Sample Density (kg/m ³)

Calculated Pseudo Critical Properties

As Sampled		Acid Gas Free	
4489.8	256.0	4379.0	253.5
pPc (kPa)	pTc (K)	pPc (kPa)	pTc (K)

Hydrogen Sulfide (H₂S) (ppm)

Field Value		Laboratory Value		g/m ³
13900				
Stain Tube	Tutweiler	Other	GC-SCD	20.00

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


28.8	110.6
Total Sample	C ₇₊ Fraction

Calculated Vapour Pressure

84.94
C ₇₊ (kPa)

Gas Compressibility

0.9904
@ 15 °C & 101.325 kPa

WDMS Data Verification Check 
 Exceeds normal limits: N2

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