



EXTENDED GAS ANALYSIS

V3886 - 1			52134-2022-4019
CONTAINER IDENTITY	METER ID	WELL LICENSE NUMBER	LABORATORY FILE NUMBER
	Blackspur Oil Corp.		1
	OPERATOR		PAGE
100/16-11-051-02W5/00	BLACKSPUR HZ LEDUC-WB 16-11-51-2	747.5	742.4
LOCATION (UWI)	WELL NAME	KB ELEV (m)	GR ELEV (m)
Leduc-Woodbend		Core Lab - Edmonton	
FIELD OR AREA	POOL OR ZONE	SAMPLER	

TEST TYPE AND NO.	TEST RECOVERY
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Meter Run

	POINT OF SAMPLE	SAMPLE POINT ID
	PUMPING FLOWING GAS LIFT SWAB	
	WATER m³/d OIL m³/d GAS m³/d	

TEST INTERVAL or PERFS (meters)		650 @ 38 °C		520 @ 22 °C		38	
SEPARATOR	RESERVOIR	OTHER	CONTAINER WHEN SAMPLED	CONTAINER WHEN RECEIVED	SEPARATOR	OTHER	
09:30:00 Pressures, kPa (gauge)				Temperatures, °C			

2022 07 28	2022 07 29	2022 08 02	PZ		@	°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	0.0001	Trace	
He	0.0004	0.0004	
N ₂	0.0281	0.0283	
CO ₂	0.0060	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.8350	0.8402	
C ₂	0.0607	0.0610	215.7
C ₃	0.0388	0.0390	142.6
iC ₄	0.0078	0.0078	34.1
C ₄	0.0115	0.0116	48.4
iC ₅	0.0033	0.0033	16.1
C ₅	0.0031	0.0031	15.0
C ₆	0.0025	0.0026	13.7
C ₇₊	0.0027	0.0027	15.2
Total	1.0000	1.0000	500.8

CALCULATED GROSS HEATING VALUE MJ/m³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C	
43.55	43.82	85.6	
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS	
CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa			
MOISTURE FREE AS SAMPLED			
0.848 kg/m³	0.692	20.0	
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS	
CALCULATED PSEUDOCRITICAL PROPERTIES			
AS SAMPLED ACID GAS FREE			
4550.5 kPa (abs)	211.2 K	4533.7 kPa (abs)	210.6 K
pPc	pTc	pPc	pTc
C ₇₊ PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION
739.4 kg/m³	97.6	0.0000000	Field
DENSITY	MOLECULAR WEIGHT	METHOD	
		Gastec	
HYDROGEN SULPHIDE			

REMARKS:

H2S was not detected in the field by Gastec.

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.