



# OIL ANALYSIS

300 CONTAINER IDENTITY      METER NUMBER      WELL LICENSE NUMBER      52136-2001-4130 LABORATORY NUMBER

Star Oil & Gas Ltd. OPERATOR      3 PAGE

100/11-20-079-14W6/00 Star Dawson 11-20-79-14      701.8 697.1

LOCATION      WELL OR SAMPLE LOCATION      KB ELEV (m)      GR ELEV (m)

Dawson Montney Core Laboratories

FIELD OR AREA      POOL OR ZONE      SAMPLER

TEST TYPE AND NO.      TEST RECOVERY

Separator Sight Glass

POINT OF SAMPLE      SAMPLE POINT ID

PUMPING      FLOWING      GAS LIFT      SWAB

WATER      m<sup>3</sup>/d      OIL      m<sup>3</sup>/d      GAS      m<sup>3</sup>/d

TEST INTERVAL (meters)

SEPARATOR      RESERVOIR      @      °C      @      °C      SEPARATOR

CONTAINER WHEN SAMPLED      CONTAINER WHEN RECEIVED

at 16:00 hrs Pressures, kPa (gauge)      Temperatures, °C

2001 01 25      2001 01 29      2001 02 02      BF      @      °C

DATE SAMPLED (Y/M/D)      DATE RECEIVED (Y/M/D)      DATE ANALYZED (Y/M/D)      ANALYST      AMT. AND TYPE CUSHION      MUD RESISTIVITY

## SAMPLE PROPERTIES

Colorless      0.000      0.000      0.000

COLOR OF CLEAN OIL      WATER      BS      TOTAL BS & W

ABSOLUTE DENSITY      API GRAVITY @15.6°C

kg/m<sup>3</sup> @15°C

746.8      57.9

AS RECEIVED      AFTER CLEANING      AS RECEIVED      AFTER CLEANING

SULPHUR      SALT      POUR POINT °C

2.02      kg/m<sup>3</sup>      -60.0

grams/kg      A.S.T.M.

REID VAPOUR PRESSURE      CARBON RESIDUE

kPa      CONRADSON      RAMSBOTTOM

FRACTION DISTILLED	TEMP °C
0.05	85
0.10	95
0.15	98
0.20	102
0.25	105
0.30	112
0.35	116
0.40	121
0.45	125
0.50	129
0.55	135
0.60	140
0.65	146
0.70	155
0.75	165
0.80	180
0.85	201
0.90	257
0.91	261
FBP	261
CRACKED	

ASTM D-86      93.1 kPa

METHOD      BAROM PRESS

21.5 °C      66.0 °C

ROOM TEMP      INITIAL BOIL PT

DISTILLATION SUMMARY

0.85      0.06

204 °C NAPHTHA      274 °C KEROSENE

0.00      0.91

343 °C LIGHT GAS/OIL      RECOVERED

0.08      0.01

RESIDUE      DISTILLATION LOSS

## VISCOSITY

TEMP °C	DYNAMIC mPa's	KINEMATIC mm <sup>2</sup> /s
20.0	0.5900	0.7940
30.0	0.5290	0.7200
40.0	0.4770	0.6560

### REMARKS:

Pour Point Detection Limit = -60°C.



# OIL ANALYSIS

P300 - 3  
CONTAINER IDENTITY

METER ID  
Star Oil & Gas Ltd.

13660  
WELL LICENSE NUMBER

52136-2001-4130  
LABORATORY FILE NUMBER

100/11-20-079-14W6/00  
LOCATION (UWI)

Star Dawson 11-20-79-14  
WELL NAME

3  
PAGE

Dawson  
FIELD OR AREA

Montney  
POOL OR ZONE

701.8 697.  
KB ELEV (m) GR ELEV

Core Laboratories  
SAMPLER

TEST TYPE AND NO.  
Separator Sight Glass

TEST RECOVERY

POINT OF SAMPLE		CORE LAB SAMPLE POINT ID	
PUMPING	FLOWING	GAS LIFT	SWAB
WATER	m <sup>3</sup> /d	OIL	m <sup>3</sup> /d
SEPARATOR	RESERVOIR	OTHER	MUD RESISTIVITY

TEST INTERVAL or PCRFs (meters)

Pressures, kPa (gauge)  
 CONTAINER WHEN SAMPLED @ °C  
 CONTAINER WHEN RECEIVED @ °C

Temperatures, °C  
 SEPARATOR OTHER

2001 01 25 DATE SAMPLED (Y/M/D)  
 2001 01 29 DATE RECEIVED (Y/M/D)  
 2001 02 02 DATE ANALYZED (Y/M/D)

BF  
ANALYST

## SAMPLE PROPERTIES

Colorless  
COLOR OF CLEAN OIL

0.000  
WATER

0.000  
BS

0.000  
TOTAL BS & W

ABSOLUTE DENSITY  
kg/m<sup>3</sup> @ 15°C

746.8  
AS RECEIVED AFTER CLEANING

API GRAVITY @ 15.6°C

57.9  
AS RECEIVED AFTER CLEANING

SULPHUR

SALT

2.02  
grams/kg

POUR POINT °C

-60  
A.S.T.M.

REID VAPOUR PRESSURE

kPa

CARBON RESIDUE

CONRADSON

RAMSBOTTOM

FRACTION DISTILLED	TEMP °C
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0.15	98
0.20	102
0.25	105
0.30	112
0.35	116
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0.50	129
0.55	135
0.60	140
0.65	146
0.70	155
0.75	165
0.80	180
0.85	201
0.90	257
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ASTM D-86 93.1  
METHOD BAROM PRESS

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ROOM TEMP INITIAL BOIL PT

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0.00 0.91  
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0.08 0.01  
RESIDUE DISTILLATION LOSS

## VISCOSITY

TEMP °C	DYNAMIC mPa·s	KINEMATIC mm <sup>2</sup> /s
20	0.590	0.794
30	0.529	0.720
40	0.477	0.656

REMARKS: Pour Point Detection Limit = -60°C.



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Company Name: Star Oil & Gas Ltd.  
Well Name: Star Dawson 11-20-79-14  
Location: 100/11-20-079-14W6/00  
Sampled From: Separator Sight Glass  
Sampling Date: 2001 01 25

### ASTM DISTILLATION SUMMARY

