



Husky Oil Operations Limited

707 8th Avenue S.W.
Box 6525, Station D
Calgary, Alberta, Canada
T2P 3G7

Bus: (403) 298-7273
Fax: (403) 750-1365

October 4, 2013

Records Department
National Energy Board
444 Seven Avenue SW
Calgary, Alberta
T2P 0X8

MAIL ROOM
SALE DE COURIER
2013 OCT -4 P 12:35
NEB/ONE

Attention: Records Department

Re: Testing, Sampling and Pressure Surveys Data Submission for
Husky Little Bear N-09 and Husky Little Bear H-64

Dear Sir / Madam:

As per Section 76 of Canada Oil and Gas Drilling and Production Regulations (COGDPR), please find the attached disc containing the results, data, and analyses from testing, sampling and pressure surveys carried out in Husky Little Bear N-09 and Husky Little Bear H-64.

I trust the information will meet the requirements of the NEB. If you require any additional information or have any questions, please contact the undersigned John Butala at (403) 298-6707 john.butala@huskyenergy.com

Sincerely,

John Butala
Manager - NWT
Husky Oil Operations Limited



EXTENDED GAS ANALYSIS

V0005565 - 1

CONTAINER IDENTITY

462

WELL LICENSE NUMBER

52136-2013-0478

LABORATORY FILE NUMBER

Husky Energy Inc.

1

OPERATOR

PAGE

300 H-64500126000

LOCATION (UWI)

Husky H-64

WELL NAME

KB ELEV (m)

GR ELEV (m)

Norman Wells

Lower Canol

MI Swaco/Silvertip

FIELD OR AREA

POOL OR ZONE

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Wellhead

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)

1069

@

°C

1122

@

22

°C

SEPARATOR

RESERVOIR

OTHER

CONTAINER
WHEN SAMPLEDCONTAINER
WHEN RECEIVED

SEPARATOR

OTHER

Temperatures, °C

at 00:55 hrs

Pressures, kPa (gauge)

2013 03 09

DATE SAMPLED (Y/M/D)

2013 03 12

DATE RECEIVED (Y/M/D)

2013 03 12

DATE ANALYZED (Y/M/D)

MF

ANALYST

AMT. AND TYPE CUSHION

@ °C

MUD RESISTIVITY

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m ³ AIR FREE AS RECEIVED
H ₂	Trace	Trace	
He	Trace	Trace	
N ₂	0.0044	0.0049	
CO ₂	0.0976	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.7939	0.8797	
C ₂	0.0764	0.0846	271.5
C ₃	0.0117	0.0130	43.0
iC ₄	0.0056	0.0062	24.5
C ₄	0.0043	0.0048	18.1
iC ₅	0.0029	0.0032	14.2
C ₅	0.0009	0.0010	4.4
C ₆	0.0014	0.0016	7.4
C ₇₊	0.0009	0.0010	5.1
Total	1.0000	1.0000	388.2

CALCULATED GROSS HEATING VALUE MJ/m ³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C	
38.38	42.54	101.4	
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS	
CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa MOISTURE FREE AS SAMPLED			
0.889	kg/m ³	0.726	21.0
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS	
CALCULATED PSEUDOCRITICAL PROPERTIES AS SAMPLED			
4864.9	kPa (abs.)	216.2	K
4593.0	kPa (abs.)	206.8	K
pPc	pTc	pPc	pTc
C ₇₊ PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION
724.7	kg/m ³	96.2	0.0000000
DENSITY	MOLECULAR WEIGHT	Field	Other
HYDROGEN SULPHIDE			

REMARKS:

H2S was not detected in the field.

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.



WATER ANALYSIS

278 - 1

CONTAINER IDENTITY

462

WELL LICENSE NUMBER

52136-2013-0514

LABORATORY FILE NUMBER

Husky Energy Inc.

METER ID

1

PAGE

OPERATOR

300 H-64500126000

LOCATION (UWI)

Husky Little Bear H-64

WELL NAME

KB ELEV (m)

GR ELEV (m)

Norman Wells

FIELD OR AREA

Canol

POOL OR ZONE

MI Swaco/Silvertip

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Wellhead

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)

SEPARATOR

RESERVOIR

OTHER

@ °C

CONTAINER
WHEN SAMPLED

@ °C

CONTAINER
WHEN RECEIVED

SEPARATOR

OTHER

Temperatures, °C

at 10:00 hrs

Pressures, kPa (gauge)

2013 02 27

DATE SAMPLED (Y/M/D)

2013 03 14

DATE RECEIVED (Y/M/D)

2013 03 27

DATE ANALYZED (Y/M/D)

CD

ANALYST

AMT. AND TYPE CUSHION

@ °C

MUD RESISTIVITY

CATIONS

ION	mg/L	mg Fraction	meq/L
Na	4,770	0.1412	207.5
K	62	0.0018	1.6
Ca	6,588	0.1950	328.7
Mg	378	0.0112	31.1
Ba			
Sr			
Fe	Pres.		
Mn			

ANIONS

ION	mg/L	mg Fraction	meq/L
Cl	21,156	0.6261	596.7
Br			
I			
HCO ₃			
SO ₄	835	0.0247	17.4
CO ₃			
OH			
H ₂ S	N.D.		

Total Dissolved Solids

(mg/L)

Not Requested

By Evaporation @ 110 °C

Not Requested

By Evaporation @ 180 °C

33789

Calculated

1.0267 @ 15.6 °C

Specific Gravity

1.3405 @ 22 °C

Refractive Index (n_D)

4.4 @ 25.0 °C

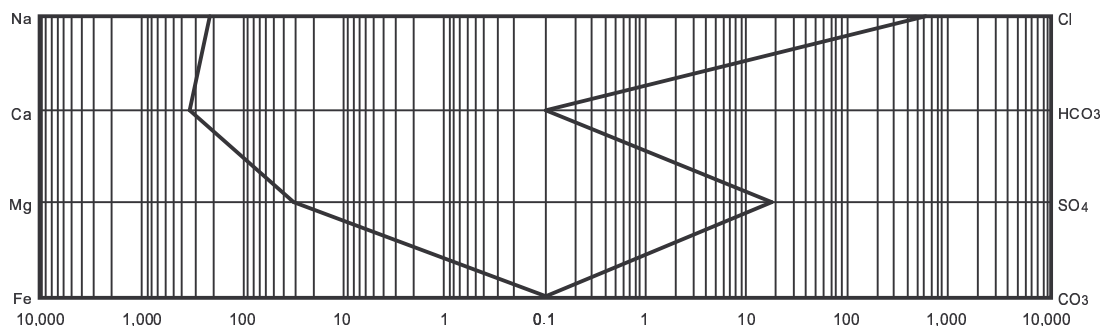
pH

0.204 @ 25 °C

Resistivity (Ohm-Meters)

LOGARITHMIC PATTERNS OF DISSOLVED IONS

meq/L



REMARKS: N.D.- Not Detected.
Pres.- Analyte Present.



WATER ANALYSIS

207 - 2

CONTAINER IDENTITY

462

WELL LICENSE NUMBER

52136-2013-0478

LABORATORY FILE NUMBER

Husky Energy Inc.

2

OPERATOR

PAGE

300 H-64500126000

LOCATION (UWI)

Husky H-64

WELL NAME

KB ELEV (m)

GR ELEV (m)

Norman Wells

FIELD OR AREA

Lower Canol

POOL OR ZONE

MI Swaco/Silvertip

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Wellhead

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)

SEPARATOR

RESERVOIR

OTHER

@ °C
CONTAINER
WHEN SAMPLED@ °C
CONTAINER
WHEN RECEIVED

SEPARATOR

OTHER

Temperatures, °C

at 01:25 hrs

Pressures, kPa (gauge)

2013 03 09

DATE SAMPLED (Y/M/D)

2013 03 12

DATE RECEIVED (Y/M/D)

2013 03 13

DATE ANALYZED (Y/M/D)

CD

ANALYST

AMT. AND TYPE CUSHION

@ °C
MUD RESISTIVITY

CATIONS

ION	mg/L	mg Fraction	meq/L
Na	20,491	0.3537	891.3
K	65	0.0011	1.7
Ca	858	0.0148	42.8
Mg	251	0.0043	20.7
Ba			
Sr			
Fe	Pres.		
Mn			

ANIONS

ION	mg/L	mg Fraction	meq/L
Cl	34,204	0.5903	964.8
Br			
I			
HCO ₃	2,059	0.0355	33.7
SO ₄	11	0.0002	0.2
CO ₃	0.00	0.0000	0.0
OH	0.00	0.0000	0.0
H ₂ S	N.D.		

Total Dissolved Solids

(mg/L)

Not Requested

By Evaporation @ 110 °C

Not Requested

By Evaporation @ 180 °C

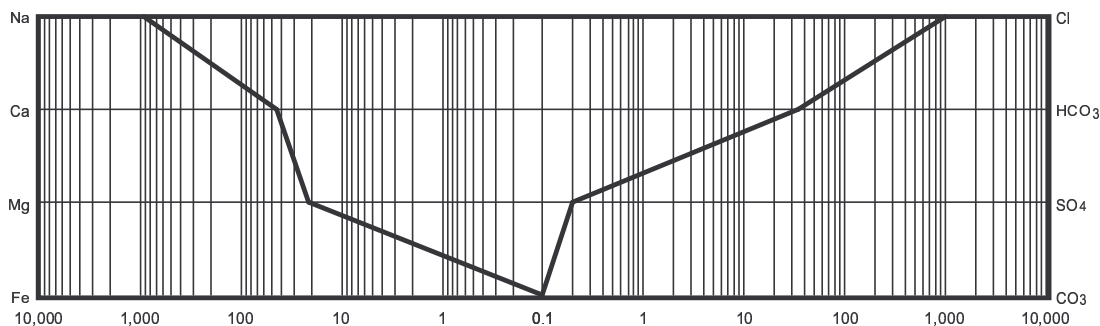
57939

Calculated

1.0445 @ 15.6 °C
Specific Gravity1.3437 @ 21 °C
Refractive Index (n_D)7.5 @ 25.0 °C
pH0.113 @ 25 °C
Resistivity (Ohm-Meters)

LOGARITHMIC PATTERNS OF DISSOLVED IONS

meq/L



REMARKS: N.D. - Not Detected. Pres. - Analyte Present.



WATER ANALYSIS

208 - 3

CONTAINER IDENTITY

METER ID

462

WELL LICENSE NUMBER

52136-2013-0478

LABORATORY FILE NUMBER

Husky Energy Inc.

3

OPERATOR

PAGE

300 H-64500126000

LOCATION (UWI)

Husky H-64

WELL NAME

KB ELEV (m)

GR ELEV (m)

Norman Wells

FIELD OR AREA

Lower Canol

POOL OR ZONE

MI Swaco/Silvertip

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Wellhead

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)

SEPARATOR

RESERVOIR

OTHER

@ °C
CONTAINER
WHEN SAMPLED@ °C
CONTAINER
WHEN RECEIVED

SEPARATOR

OTHER

Temperatures, °C

at 01:25 hrs

Pressures, kPa (gauge)

2013 03 10

DATE SAMPLED (Y/M/D)

2013 03 12

DATE RECEIVED (Y/M/D)

2013 03 13

DATE ANALYZED (Y/M/D)

CD

ANALYST

AMT. AND TYPE CUSHION

@ °C
MUD RESISTIVITY

CATIONS

ION	mg/L	mg Fraction	meq/L
Na	20,207	0.3510	879.0
K	67	0.0012	1.7
Ca	1,150	0.0200	57.4
Mg	263	0.0046	21.6
Ba			
Sr			
Fe	Pres.		
Mn			

ANIONS

ION	mg/L	mg Fraction	meq/L
Cl	34,625	0.6014	976.6
Br			
I			
HCO ₃	1,234	0.0214	20.2
SO ₄	26	0.0005	0.5
CO ₃	0.00	0.0000	0.0
OH	0.00	0.0000	0.0
H ₂ S	N.D.		

Total Dissolved Solids

(mg/L)

Not Requested

By Evaporation @ 110 °C

Not Requested

By Evaporation @ 180 °C

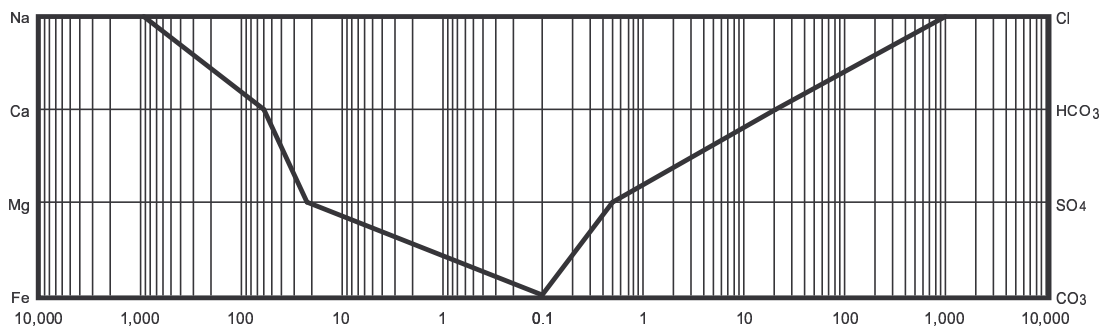
57572

Calculated

1.0436 @ 15.6 °C
Specific Gravity1.3437 @ 21 °C
Refractive Index (n_D)7.7 @ 25.0 °C
pH0.117 @ 25 °C
Resistivity (Ohm-Meters)

LOGARITHMIC PATTERNS OF DISSOLVED IONS

meq/L



REMARKS: N.D. - Not Detected. Pres. - Analyte Present.

Pressure Survey Report

Husky Oil Operations Ltd.

Husky Little Bear N-09

300N96500126300

License#: EL463

Formation: Carol

Perfs: 1788.00 - 1790.00 mKB

Injection

2013-02-03 To 2013-02-05



8080 Edgar Industrial Crescent
Red Deer, Alberta T4P 3R3

Red Deer (403) 347-9727
Calgary (403) 269-9477

Service Ticket # : 5202-01132 (Run #: 1)

Results To: John Butala
E: John.Butala@huskyenergy.com

Field Contact: Mike

Company: Husky Oil Operations Ltd.
Address: 3900, 707 - 8th Avenue SW, Calgary, AB T2P 1H5
Well Name: Husky Little Bear N-09
Well Location: 300N96500126300
Well License: EL463
Field: Frontier
Fluid Status: Oil
Orientation: Vertical **Drilling leg:** 01

Test Information

Test Type: Injection
Test Purpose: Initial
Date of Test: 2013-02-03 To 2013-02-05
Shut In Date: N/A
On Bottom: 2013-02-03 19:40:00
Off Bottom: 2013-02-05 11:19:00
Elevation: **KB:** 258.80 m **CF:** 253.33 m **KB-CF:** 5.47 m
Flow Path: Tubing **H2S:** No **Packer:** Yes **Tubing:** Yes
Tubing ID: 62.0 mm **Tubing OD:** 73.0 mm **Casing ID:** 161.7 mm
Tubing Pressure: **Before:** 100.00 kPaA **After:** 100.00 kPaA
Casing Pressure: **Before:** N/A **After:** N/A

Perforations 1789.00 mKB (mPP)

Perf Zone	Top Depth	Base Depth	Unit
Carol	1788.00	1790.00	mKB

Gauge Data**Bottom**

Gauge Type: DataCan
Serial Number: DC1221
Run Depth: 1780.00 mKB
Battery On Time: 2013/02/03 18:47
Battery Off Time: 2013/02/05 11:59
Calibration Date: 2013/01/02
Pressure Range: 103514.4 kPaA
Accuracy: 0.03 % FS
Resolution: 0.0003 % FS

Top

Gauge Type: DataCan
Serial Number: DC1220
Run Depth: 1779.72 mKB
Battery On Time: 2013/02/03 18:47
Battery Off Time: 2013/02/05 11:59
Calibration Date: 2013/01/02
Pressure Range: 103514.4 kPaA
Accuracy: 0.03 % FS
Resolution: 0.003 % FS

Remarks:

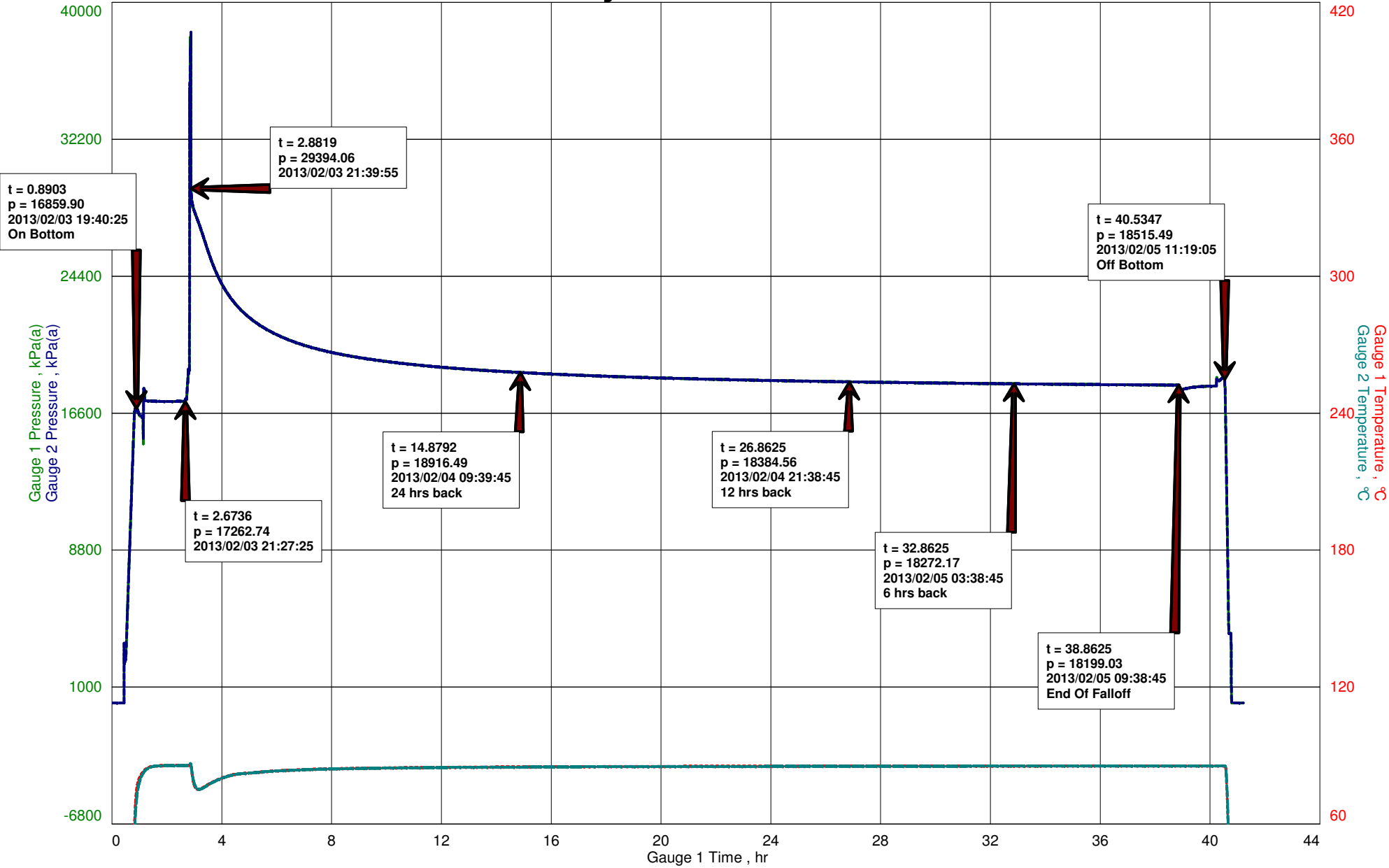
TIGHT HOLE

This report has been created for you by Rachel Stewart.
Please call (403) 347-9727 if you have any questions or comments. Thank You.

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

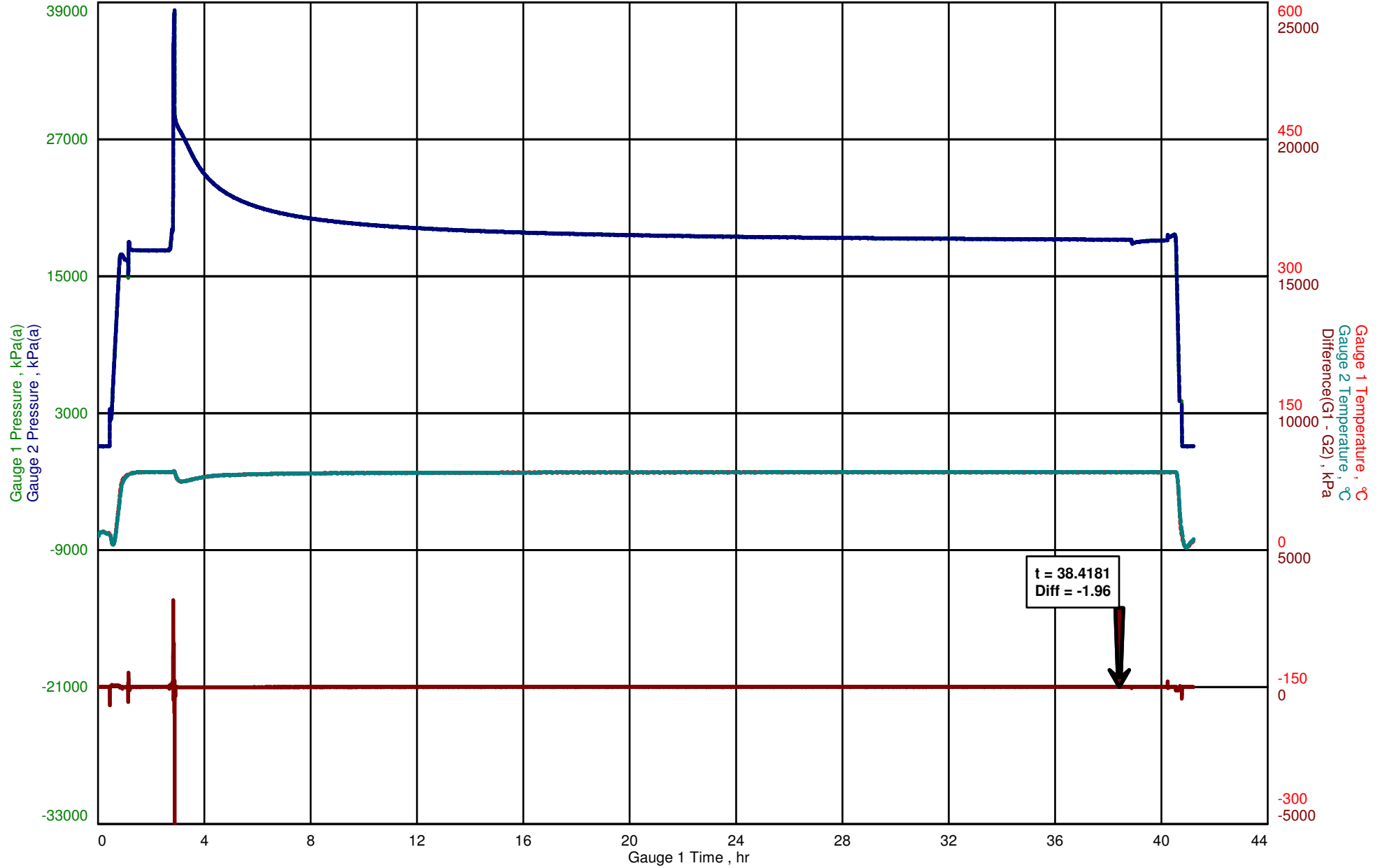
Husky Little Bear N-09



Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

Difference Plot



Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
1	2013/02/03	18:47:01	0.0003	99.98	15.55	18:47:11	0.0031	99.99	15.36	
2	2013/02/03	18:47:16	0.0044	100.01	15.75	18:47:26	0.0072	100.02	15.31	0.00
3	2013/02/03	18:47:31	0.0086	100.00	16.09	18:47:41	0.0114	100.03	15.37	-0.02
4	2013/02/03	18:47:46	0.0128	100.00	16.40	18:47:56	0.0156	99.99	15.42	-0.02
5	2013/02/03	18:48:01	0.0169	100.02	16.68	18:48:11	0.0197	100.02	15.49	0.03
6	2013/02/03	18:50:05	0.0514	100.00	19.11	18:50:15	0.0542	100.00	18.29	0.00
7	2013/02/03	18:52:35	0.0931	100.01	19.71	18:52:45	0.0958	100.01	19.31	-0.00
8	2013/02/03	18:55:05	0.1347	100.02	19.73	18:55:15	0.1375	100.00	19.35	-0.00
9	2013/02/03	18:57:35	0.1764	100.01	20.09	18:57:45	0.1792	100.01	19.49	0.00
10	2013/02/03	19:00:05	0.2181	100.01	20.26	19:00:15	0.2208	100.01	19.65	0.01
11	2013/02/03	19:02:35	0.2597	100.00	19.93	19:02:45	0.2625	100.02	19.22	-0.03
12	2013/02/03	19:05:05	0.3014	100.03	18.65	19:05:15	0.3042	100.02	18.29	0.01
13	2013/02/03	19:07:35	0.3431	100.02	18.31	19:07:45	0.3458	100.00	17.94	0.02
14	2013/02/03	19:10:05	0.3847	100.02	18.47	19:10:15	0.3875	100.01	18.04	0.02
15	2013/02/03	19:12:35	0.4264	100.02	18.40	19:12:45	0.4292	99.99	18.08	0.02
16	2013/02/03	19:15:05	0.4681	2428.47	16.08	19:15:15	0.4708	2424.06	16.29	4.11
17	2013/02/03	19:17:35	0.5097	2910.26	9.44	19:17:45	0.5125	2956.53	9.88	52.67
18	2013/02/03	19:20:05	0.5514	4802.16	6.08	19:20:15	0.5542	4860.02	6.21	69.50
19	2013/02/03	19:22:35	0.5931	6689.94	7.28	19:22:45	0.5958	6749.36	6.82	66.08
20	2013/02/03	19:25:05	0.6347	8555.70	12.70	19:25:15	0.6375	8619.09	11.95	59.58
21	2013/02/03	19:27:35	0.6764	10406.84	21.69	19:27:45	0.6792	10476.71	19.94	53.15
22	2013/02/03	19:30:05	0.7181	12281.02	32.92	19:30:15	0.7208	12354.40	30.89	54.35
23	2013/02/03	19:32:35	0.7597	14189.72	43.92	19:32:45	0.7625	14263.05	41.35	53.20
24	2013/02/03	19:35:05	0.8014	15998.51	54.73	19:35:15	0.8042	16061.07	51.38	38.43
25	2013/02/03	19:37:35	0.8431	16799.20	65.95	19:37:45	0.8458	16821.43	61.78	3.42
26	2013/02/03	19:40:05	0.8847	16901.67	73.52	19:40:15	0.8875	16900.76	69.83	-1.52
27	2013/02/03	19:42:35	0.9264	16825.89	77.16	19:42:45	0.9292	16803.54	74.26	-12.40
28	2013/02/03	19:45:05	0.9681	16619.06	79.09	19:45:15	0.9708	16617.14	76.98	-10.00
29	2013/02/03	19:47:35	1.0097	16451.07	80.38	19:47:45	1.0125	16450.37	78.89	-5.75
30	2013/02/03	19:50:05	1.0514	16443.58	81.36	19:50:15	1.0542	16447.68	80.33	-2.12
31	2013/02/03	19:52:35	1.0931	16361.30	82.15	19:52:45	1.0958	16349.18	81.44	-18.66
32	2013/02/03	19:55:05	1.1347	15800.47	82.77	19:55:15	1.1375	15391.42	82.25	-549.86
33	2013/02/03	19:57:35	1.1764	17935.43	83.43	19:57:45	1.1792	17936.44	83.07	-3.91
34	2013/02/03	20:00:05	1.2181	17312.27	83.89	20:00:15	1.2208	17314.74	83.61	-3.00
35	2013/02/03	20:02:35	1.2597	17304.89	84.26	20:02:45	1.2625	17307.58	84.05	-3.18
36	2013/02/03	20:05:05	1.3014	17299.06	84.56	20:05:15	1.3042	17301.16	84.39	-2.68
37	2013/02/03	20:07:35	1.3431	17294.04	84.79	20:07:45	1.3458	17296.32	84.65	-2.60
38	2013/02/03	20:10:05	1.3847	17290.22	84.98	20:10:15	1.3875	17292.13	84.86	-2.36
39	2013/02/03	20:12:35	1.4264	17286.61	85.13	20:12:45	1.4292	17288.96	85.02	-2.61
40	2013/02/03	20:15:05	1.4681	17283.84	85.25	20:15:15	1.4708	17286.11	85.15	-2.74
41	2013/02/03	20:17:35	1.5097	17280.95	85.34	20:17:45	1.5125	17283.65	85.25	-3.05
42	2013/02/03	20:20:05	1.5514	17278.92	85.42	20:20:15	1.5542	17281.50	85.33	-2.47
43	2013/02/03	20:22:35	1.5931	17277.08	85.47	20:22:45	1.5958	17279.69	85.39	-2.72
44	2013/02/03	20:25:05	1.6347	17275.67	85.52	20:25:15	1.6375	17278.15	85.44	-2.73
45	2013/02/03	20:27:35	1.6764	17274.53	85.56	20:27:45	1.6792	17276.95	85.48	-2.45
46	2013/02/03	20:30:05	1.7181	17273.24	85.58	20:30:15	1.7208	17275.70	85.51	-2.52
47	2013/02/03	20:32:35	1.7597	17272.83	85.61	20:32:45	1.7625	17274.63	85.53	-1.88
48	2013/02/03	20:35:05	1.8014	17271.19	85.63	20:35:15	1.8042	17273.71	85.55	-2.47
49	2013/02/03	20:37:35	1.8431	17270.24	85.64	20:37:45	1.8458	17272.51	85.57	-2.68
50	2013/02/03	20:40:05	1.8847	17269.31	85.65	20:40:15	1.8875	17271.48	85.58	-2.34
51	2013/02/03	20:42:35	1.9264	17269.18	85.66	20:42:45	1.9292	17271.43	85.59	-1.83
52	2013/02/03	20:45:05	1.9681	17268.44	85.67	20:45:15	1.9708	17270.78	85.60	-2.43
53	2013/02/03	20:47:35	2.0097	17268.55	85.68	20:47:45	2.0125	17270.53	85.61	-1.75

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
54	2013/02/03	20:50:05	2.0514	17267.84	85.68	20:50:15	2.0542	17270.06	85.61	-2.21
55	2013/02/03	20:52:35	2.0931	17268.49	85.69	20:52:45	2.0958	17270.69	85.61	-2.57
56	2013/02/03	20:55:05	2.1347	17268.25	85.69	20:55:15	2.1375	17270.93	85.62	-2.62
57	2013/02/03	20:57:35	2.1764	17268.16	85.69	20:57:45	2.1792	17270.64	85.62	-2.68
58	2013/02/03	21:00:05	2.2181	17268.29	85.69	21:00:15	2.2208	17270.15	85.62	-2.07
59	2013/02/03	21:02:35	2.2597	17267.73	85.70	21:02:45	2.2625	17270.10	85.62	-2.41
60	2013/02/03	21:05:05	2.3014	17267.52	85.70	21:05:15	2.3042	17270.02	85.63	-2.44
61	2013/02/03	21:07:35	2.3431	17270.30	85.70	21:07:45	2.3458	17272.77	85.63	0.61
62	2013/02/03	21:10:05	2.3847	17278.50	85.70	21:10:15	2.3875	17280.61	85.63	-2.00
63	2013/02/03	21:12:35	2.4264	17278.13	85.70	21:12:45	2.4292	17280.23	85.63	-2.18
64	2013/02/03	21:15:05	2.4681	17277.24	85.70	21:15:15	2.4708	17279.43	85.63	-2.22
65	2013/02/03	21:17:35	2.5097	17276.11	85.70	21:17:45	2.5125	17278.53	85.63	-2.43
66	2013/02/03	21:20:05	2.5514	17275.15	85.70	21:20:15	2.5542	17277.30	85.63	-2.14
67	2013/02/03	21:22:35	2.5931	17274.05	85.70	21:22:45	2.5958	17276.60	85.63	-2.43
68	2013/02/03	21:25:05	2.6347	17272.95	85.70	21:25:15	2.6375	17275.26	85.63	-2.57
69	2013/02/03	21:27:35	2.6764	17315.80	85.70	21:27:45	2.6792	17400.17	85.63	52.18
70	2013/02/03	21:30:05	2.7181	17414.70	85.70	21:30:15	2.7208	17415.31	85.63	32.04
71	2013/02/03	21:32:35	2.7597	18438.88	85.75	21:32:45	2.7625	18424.98	85.68	99.69
72	2013/02/03	21:35:05	2.8014	18962.10	85.78	21:35:15	2.8042	19017.36	85.71	-41.61
73	2013/02/03	21:37:35	2.8431	32811.46	86.31	21:37:45	2.8458	31836.73	86.26	-174.06
74	2013/02/03	21:40:05	2.8847	29192.23	85.18	21:40:15	2.8875	29110.08	85.19	-86.55
75	2013/02/03	21:42:35	2.9264	28538.30	81.17	21:42:45	2.9292	28519.87	81.45	-17.01
76	2013/02/03	21:45:05	2.9681	28259.58	78.34	21:45:15	2.9708	28237.90	78.85	-8.06
77	2013/02/03	21:47:35	3.0097	28060.37	76.72	21:47:45	3.0125	28055.09	77.15	-7.22
78	2013/02/03	21:50:05	3.0514	27880.37	75.83	21:50:15	3.0542	27875.94	76.08	-7.31
79	2013/02/03	21:52:35	3.0931	27705.76	75.38	21:52:45	3.0958	27701.44	75.48	-7.42
80	2013/02/03	21:55:05	3.1347	27530.52	75.21	21:55:15	3.1375	27526.74	75.21	-7.74
81	2013/02/03	21:57:35	3.1764	27351.23	75.22	21:57:45	3.1792	27347.33	75.15	-8.17
82	2013/02/03	22:00:05	3.2181	27165.84	75.36	22:00:15	3.2208	27162.35	75.25	-9.14
83	2013/02/03	22:02:35	3.2597	26974.78	75.57	22:02:45	3.2625	26970.37	75.44	-8.37
84	2013/02/03	22:05:05	3.3014	26777.51	75.84	22:05:15	3.3042	26773.54	75.69	-9.17
85	2013/02/03	22:07:35	3.3431	26577.10	76.14	22:07:45	3.3458	26572.66	75.98	-9.20
86	2013/02/03	22:10:05	3.3847	26375.50	76.45	22:10:15	3.3875	26371.01	76.29	-9.12
87	2013/02/03	22:12:35	3.4264	26174.22	76.76	22:12:45	3.4292	26169.78	76.61	-8.90
88	2013/02/03	22:15:05	3.4681	25975.32	77.07	22:15:15	3.4708	25971.60	76.92	-9.44
89	2013/02/03	22:17:35	3.5097	25781.26	77.36	22:17:45	3.5125	25776.82	77.22	-8.53
90	2013/02/03	22:20:05	3.5514	25591.17	77.64	22:20:15	3.5542	25587.34	77.51	-8.38
91	2013/02/03	22:22:35	3.5931	25407.29	77.91	22:22:45	3.5958	25403.32	77.79	-7.93
92	2013/02/03	22:25:05	3.6347	25229.08	78.17	22:25:15	3.6375	25225.59	78.05	-8.06
93	2013/02/03	22:27:35	3.6764	25059.58	78.41	22:27:45	3.6792	25056.24	78.30	-7.62
94	2013/02/03	22:30:05	3.7181	24897.20	78.67	22:30:15	3.7208	24894.07	78.56	-7.61
95	2013/02/03	22:32:35	3.7597	24740.85	78.94	22:32:45	3.7625	24737.69	78.83	-7.04
96	2013/02/03	22:35:05	3.8014	24591.29	79.16	22:35:15	3.8042	24588.36	79.06	-7.11
97	2013/02/03	22:37:35	3.8431	24447.85	79.38	22:37:45	3.8458	24445.15	79.28	-6.79
98	2013/02/03	22:40:05	3.8847	24310.53	79.59	22:40:15	3.8875	24308.34	79.50	-6.77
99	2013/02/03	22:42:35	3.9264	24178.92	79.80	22:42:45	3.9292	24176.68	79.71	-6.39
100	2013/02/03	22:45:05	3.9681	24052.80	79.99	22:45:15	3.9708	24050.92	79.90	-6.28
101	2013/02/03	22:47:35	4.0097	23932.22	80.18	22:47:45	4.0125	23930.42	80.08	-6.01
102	2013/02/03	22:50:05	4.0514	23816.57	80.35	22:50:15	4.0542	23815.09	80.26	-6.01
103	2013/02/03	22:52:35	4.0931	23705.49	80.51	22:52:45	4.0958	23704.07	80.43	-5.78
104	2013/02/03	22:55:05	4.1347	23598.06	80.67	22:55:15	4.1375	23596.74	80.59	-5.60
105	2013/02/03	22:57:35	4.1764	23496.21	80.83	22:57:45	4.1792	23494.61	80.75	-5.10
106	2013/02/03	23:00:05	4.2181	23397.29	80.99	23:00:15	4.2208	23396.02	80.90	-5.36

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
107	2013/02/03	23:02:35	4.2597	23302.08	81.14	23:02:45	4.2625	23300.73	81.06	-4.86
108	2013/02/03	23:05:05	4.3014	23210.22	81.29	23:05:15	4.3042	23209.13	81.20	-4.75
109	2013/02/03	23:07:35	4.3431	23121.60	81.43	23:07:45	4.3458	23120.55	81.34	-4.81
110	2013/02/03	23:10:05	4.3847	23035.21	81.55	23:10:15	4.3875	23034.75	81.47	-5.27
111	2013/02/03	23:12:35	4.4264	22952.78	81.66	23:12:45	4.4292	22951.92	81.58	-4.73
112	2013/02/03	23:15:05	4.4681	22872.74	81.75	23:15:15	4.4708	22872.38	81.68	-4.81
113	2013/02/03	23:17:35	4.5097	22795.85	81.84	23:17:45	4.5125	22795.46	81.77	-4.56
114	2013/02/03	23:20:05	4.5514	22721.14	81.91	23:20:15	4.5542	22720.31	81.84	-4.21
115	2013/02/03	23:22:35	4.5931	22648.41	81.97	23:22:45	4.5958	22648.09	81.91	-4.36
116	2013/02/03	23:25:05	4.6347	22578.80	82.03	23:25:15	4.6375	22578.10	81.97	-3.91
117	2013/02/03	23:27:35	4.6764	22510.53	82.07	23:27:45	4.6792	22510.27	82.01	-4.31
118	2013/02/03	23:30:05	4.7181	22445.50	82.11	23:30:15	4.7208	22445.33	82.06	-4.19
119	2013/02/03	23:32:35	4.7597	22381.49	82.14	23:32:45	4.7625	22381.83	82.10	-4.61
120	2013/02/03	23:35:05	4.8014	22319.96	82.18	23:35:15	4.8042	22320.22	82.13	-4.12
121	2013/02/03	23:37:35	4.8431	22259.50	82.22	23:37:45	4.8458	22259.60	82.17	-3.97
122	2013/02/03	23:40:05	4.8847	22201.44	82.25	23:40:15	4.8875	22201.55	82.21	-4.01
123	2013/02/03	23:42:35	4.9264	22144.77	82.29	23:42:45	4.9292	22145.27	82.24	-4.03
124	2013/02/03	23:45:05	4.9681	22089.72	82.32	23:45:15	4.9708	22089.91	82.28	-3.78
125	2013/02/03	23:47:35	5.0097	22035.74	82.36	23:47:45	5.0125	22036.31	82.32	-4.02
126	2013/02/03	23:50:05	5.0514	21983.72	82.40	23:50:15	5.0542	21983.82	82.36	-3.67
127	2013/02/03	23:52:35	5.0931	21932.81	82.44	23:52:45	5.0958	21933.24	82.40	-3.67
128	2013/02/03	23:55:05	5.1347	21882.82	82.48	23:55:15	5.1375	21883.65	82.44	-4.11
129	2013/02/03	23:57:35	5.1764	21834.62	82.53	23:57:45	5.1792	21834.61	82.48	-3.24
130	2013/02/04	00:00:05	5.2181	21786.99	82.57	00:00:15	5.2208	21787.88	82.53	-3.95
131	2013/02/04	00:02:35	5.2597	21741.32	82.62	00:02:45	5.2625	21741.58	82.57	-3.58
132	2013/02/04	00:05:05	5.3014	21696.08	82.66	00:05:15	5.3042	21696.62	82.61	-3.43
133	2013/02/04	00:07:35	5.3431	21651.79	82.71	00:07:45	5.3458	21652.82	82.66	-3.47
134	2013/02/04	00:10:05	5.3847	21608.65	82.75	00:10:15	5.3875	21609.81	82.71	-3.75
135	2013/02/04	00:12:35	5.4264	21566.75	82.80	00:12:45	5.4292	21567.85	82.75	-3.75
136	2013/02/04	00:15:05	5.4681	21525.96	82.86	00:15:15	5.4708	21526.50	82.81	-3.36
137	2013/02/04	00:17:35	5.5097	21486.02	82.91	00:17:45	5.5125	21486.37	82.86	-2.83
138	2013/02/04	00:20:05	5.5514	21446.72	82.96	00:20:15	5.5542	21447.08	82.91	-2.85
139	2013/02/04	00:22:35	5.5931	21408.40	83.00	00:22:45	5.5958	21408.96	82.95	-3.06
140	2013/02/04	00:25:05	5.6347	21370.76	83.04	00:25:15	5.6375	21371.02	82.99	-2.97
141	2013/02/04	00:27:35	5.6764	21333.80	83.07	00:27:45	5.6792	21334.80	83.02	-3.35
142	2013/02/04	00:30:05	5.7181	21297.67	83.10	00:30:15	5.7208	21299.00	83.05	-3.40
143	2013/02/04	00:32:35	5.7597	21262.61	83.13	00:32:45	5.7625	21263.88	83.08	-3.49
144	2013/02/04	00:35:05	5.8014	21228.44	83.16	00:35:15	5.8042	21229.20	83.11	-3.10
145	2013/02/04	00:37:35	5.8431	21194.38	83.19	00:37:45	5.8458	21195.43	83.14	-3.41
146	2013/02/04	00:40:05	5.8847	21161.49	83.21	00:40:15	5.8875	21162.21	83.16	-3.12
147	2013/02/04	00:42:35	5.9264	21129.59	83.24	00:42:45	5.9292	21130.43	83.19	-2.93
148	2013/02/04	00:45:05	5.9681	21097.50	83.26	00:45:15	5.9708	21098.06	83.22	-2.80
149	2013/02/04	00:47:35	6.0097	21065.87	83.29	00:47:45	6.0125	21067.24	83.24	-3.59
150	2013/02/04	00:50:05	6.0514	21035.41	83.32	00:50:15	6.0542	21036.21	83.27	-2.70
151	2013/02/04	00:52:35	6.0931	21005.04	83.34	00:52:45	6.0958	21005.91	83.29	-3.10
152	2013/02/04	00:55:05	6.1347	20975.33	83.37	00:55:15	6.1375	20976.44	83.32	-3.05
153	2013/02/04	00:57:35	6.1764	20946.16	83.39	00:57:45	6.1792	20947.36	83.34	-2.95
154	2013/02/04	01:00:05	6.2181	20917.70	83.42	01:00:15	6.2208	20918.73	83.37	-2.89
155	2013/02/04	01:02:35	6.2597	20889.46	83.44	01:02:45	6.2625	20890.51	83.39	-3.01
156	2013/02/04	01:05:05	6.3014	20862.58	83.46	01:05:15	6.3042	20863.19	83.41	-2.43
157	2013/02/04	01:07:35	6.3431	20835.00	83.49	01:07:45	6.3458	20836.23	83.44	-3.11
158	2013/02/04	01:10:05	6.3847	20808.45	83.51	01:10:15	6.3875	20809.48	83.46	-2.68
159	2013/02/04	01:12:35	6.4264	20782.48	83.53	01:12:45	6.4292	20783.59	83.48	-2.74

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
160	2013/02/04	01:15:05	6.4681	20756.81	83.56	01:15:15	6.4708	20758.04	83.50	-2.82
161	2013/02/04	01:17:35	6.5097	20731.73	83.58	01:17:45	6.5125	20732.76	83.53	-2.89
162	2013/02/04	01:20:05	6.5514	20706.96	83.60	01:20:15	6.5542	20708.26	83.55	-2.92
163	2013/02/04	01:22:35	6.5931	20682.93	83.62	01:22:45	6.5958	20684.02	83.57	-2.63
164	2013/02/04	01:25:05	6.6347	20658.93	83.65	01:25:15	6.6375	20660.12	83.59	-3.03
165	2013/02/04	01:27:35	6.6764	20635.94	83.67	01:27:45	6.6792	20636.97	83.61	-2.63
166	2013/02/04	01:30:05	6.7181	20612.72	83.69	01:30:15	6.7208	20614.32	83.63	-3.08
167	2013/02/04	01:32:35	6.7597	20590.19	83.71	01:32:45	6.7625	20591.83	83.66	-3.05
168	2013/02/04	01:35:05	6.8014	20568.12	83.73	01:35:15	6.8042	20569.55	83.68	-3.04
169	2013/02/04	01:37:35	6.8431	20546.49	83.75	01:37:45	6.8458	20548.01	83.70	-2.99
170	2013/02/04	01:40:05	6.8847	20525.35	83.78	01:40:15	6.8875	20526.73	83.72	-2.75
171	2013/02/04	01:42:35	6.9264	20504.10	83.80	01:42:45	6.9292	20505.73	83.74	-3.00
172	2013/02/04	01:45:05	6.9681	20483.50	83.82	01:45:15	6.9708	20485.13	83.76	-3.05
173	2013/02/04	01:47:35	7.0097	20463.21	83.84	01:47:45	7.0125	20464.54	83.78	-2.49
174	2013/02/04	01:50:05	7.0514	20443.35	83.86	01:50:15	7.0542	20444.64	83.80	-2.66
175	2013/02/04	01:52:35	7.0931	20423.42	83.88	01:52:45	7.0958	20424.86	83.82	-2.81
176	2013/02/04	01:55:05	7.1347	20403.76	83.90	01:55:15	7.1375	20405.42	83.84	-2.96
177	2013/02/04	01:57:35	7.1764	20384.96	83.92	01:57:45	7.1792	20386.19	83.85	-2.78
178	2013/02/04	02:00:05	7.2181	20365.98	83.93	02:00:15	7.2208	20367.71	83.87	-2.63
179	2013/02/04	02:02:35	7.2597	20347.62	83.95	02:02:45	7.2625	20349.17	83.89	-2.87
180	2013/02/04	02:05:05	7.3014	20329.28	83.97	02:05:15	7.3042	20331.04	83.91	-2.98
181	2013/02/04	02:07:35	7.3431	20311.30	83.99	02:07:45	7.3458	20312.95	83.92	-2.88
182	2013/02/04	02:10:05	7.3847	20293.57	84.00	02:10:15	7.3875	20295.41	83.94	-3.10
183	2013/02/04	02:12:35	7.4264	20276.34	84.02	02:12:45	7.4292	20277.94	83.95	-2.70
184	2013/02/04	02:15:05	7.4681	20258.82	84.03	02:15:15	7.4708	20260.67	83.97	-3.09
185	2013/02/04	02:17:35	7.5097	20242.34	84.05	02:17:45	7.5125	20243.96	83.98	-2.82
186	2013/02/04	02:20:05	7.5514	20225.65	84.06	02:20:15	7.5542	20227.39	84.00	-2.43
187	2013/02/04	02:22:35	7.5931	20209.12	84.08	02:22:45	7.5958	20210.85	84.01	-2.87
188	2013/02/04	02:25:05	7.6347	20193.07	84.09	02:25:15	7.6375	20194.38	84.02	-2.40
189	2013/02/04	02:27:35	7.6764	20177.04	84.10	02:27:45	7.6792	20178.77	84.04	-2.65
190	2013/02/04	02:30:05	7.7181	20161.30	84.12	02:30:15	7.7208	20162.96	84.05	-2.48
191	2013/02/04	02:32:35	7.7597	20145.77	84.13	02:32:45	7.7625	20147.52	84.06	-2.93
192	2013/02/04	02:35:05	7.8014	20130.67	84.14	02:35:15	7.8042	20131.90	84.07	-2.42
193	2013/02/04	02:37:35	7.8431	20115.49	84.15	02:37:45	7.8458	20116.78	84.08	-2.21
194	2013/02/04	02:40:05	7.8847	20100.58	84.16	02:40:15	7.8875	20102.12	84.10	-2.58
195	2013/02/04	02:42:35	7.9264	20085.73	84.17	02:42:45	7.9292	20087.36	84.11	-2.48
196	2013/02/04	02:45:05	7.9681	20071.57	84.18	02:45:15	7.9708	20072.95	84.12	-2.40
197	2013/02/04	02:47:35	8.0097	20056.76	84.19	02:47:45	8.0125	20058.68	84.13	-2.92
198	2013/02/04	02:50:05	8.0514	20043.22	84.20	02:50:15	8.0542	20045.04	84.14	-2.54
199	2013/02/04	02:52:35	8.0931	20029.27	84.21	02:52:45	8.0958	20030.84	84.15	-2.59
200	2013/02/04	02:55:05	8.1347	20015.54	84.23	02:55:15	8.1375	20017.39	84.16	-2.65
201	2013/02/04	02:57:35	8.1764	20001.95	84.23	02:57:45	8.1792	20004.14	84.17	-2.99
202	2013/02/04	03:00:05	8.2181	19988.81	84.24	03:00:15	8.2208	19990.52	84.18	-2.40
203	2013/02/04	03:02:35	8.2597	19975.39	84.25	03:02:45	8.2625	19977.34	84.19	-2.77
204	2013/02/04	03:05:05	8.3014	19962.97	84.26	03:05:15	8.3042	19964.34	84.20	-2.25
205	2013/02/04	03:07:35	8.3431	19950.00	84.27	03:07:45	8.3458	19951.72	84.21	-2.66
206	2013/02/04	03:10:05	8.3847	19937.45	84.28	03:10:15	8.3875	19939.25	84.22	-2.51
207	2013/02/04	03:12:35	8.4264	19924.98	84.29	03:12:45	8.4292	19926.87	84.23	-2.40
208	2013/02/04	03:15:05	8.4681	19912.68	84.30	03:15:15	8.4708	19914.54	84.23	-2.54
209	2013/02/04	03:17:35	8.5097	19900.56	84.31	03:17:45	8.5125	19902.43	84.24	-2.58
210	2013/02/04	03:20:05	8.5514	19888.83	84.32	03:20:15	8.5542	19890.58	84.25	-2.36
211	2013/02/04	03:22:35	8.5931	19876.89	84.33	03:22:45	8.5958	19878.43	84.26	-2.23
212	2013/02/04	03:25:05	8.6347	19865.20	84.34	03:25:15	8.6375	19866.69	84.27	-2.15

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
213	2013/02/04	03:27:35	8.6764	19853.75	84.35	03:27:45	8.6792	19855.01	84.28	-2.13
214	2013/02/04	03:30:05	8.7181	19842.24	84.35	03:30:15	8.7208	19843.74	84.29	-2.51
215	2013/02/04	03:32:35	8.7597	19830.97	84.36	03:32:45	8.7625	19832.59	84.30	-2.47
216	2013/02/04	03:35:05	8.8014	19819.68	84.37	03:35:15	8.8042	19821.38	84.31	-2.58
217	2013/02/04	03:37:35	8.8431	19808.88	84.38	03:37:45	8.8458	19810.19	84.31	-2.00
218	2013/02/04	03:40:05	8.8847	19797.71	84.39	03:40:15	8.8875	19799.46	84.32	-2.45
219	2013/02/04	03:42:35	8.9264	19787.02	84.40	03:42:45	8.9292	19788.52	84.33	-2.31
220	2013/02/04	03:45:05	8.9681	19776.29	84.40	03:45:15	8.9708	19778.14	84.34	-2.49
221	2013/02/04	03:47:35	9.0097	19765.31	84.41	03:47:45	9.0125	19767.20	84.35	-2.69
222	2013/02/04	03:50:05	9.0514	19755.08	84.42	03:50:15	9.0542	19756.75	84.35	-2.36
223	2013/02/04	03:52:35	9.0931	19744.74	84.43	03:52:45	9.0958	19746.46	84.36	-2.42
224	2013/02/04	03:55:05	9.1347	19734.52	84.44	03:55:15	9.1375	19736.18	84.37	-2.35
225	2013/02/04	03:57:35	9.1764	19724.21	84.44	03:57:45	9.1792	19726.02	84.38	-2.37
226	2013/02/04	04:00:05	9.2181	19714.18	84.45	04:00:15	9.2208	19715.80	84.38	-2.28
227	2013/02/04	04:02:35	9.2597	19704.11	84.46	04:02:45	9.2625	19706.06	84.39	-2.64
228	2013/02/04	04:05:05	9.3014	19694.42	84.47	04:05:15	9.3042	19696.13	84.40	-2.31
229	2013/02/04	04:07:35	9.3431	19684.40	84.47	04:07:45	9.3458	19686.50	84.40	-2.52
230	2013/02/04	04:10:05	9.3847	19674.84	84.48	04:10:15	9.3875	19676.96	84.41	-2.73
231	2013/02/04	04:12:35	9.4264	19664.98	84.49	04:12:45	9.4292	19667.22	84.42	-2.76
232	2013/02/04	04:15:05	9.4681	19655.72	84.50	04:15:15	9.4708	19657.69	84.43	-2.83
233	2013/02/04	04:17:35	9.5097	19646.49	84.50	04:17:45	9.5125	19648.69	84.43	-2.90
234	2013/02/04	04:20:05	9.5514	19637.08	84.51	04:20:15	9.5542	19639.17	84.44	-2.60
235	2013/02/04	04:22:35	9.5931	19627.96	84.51	04:22:45	9.5958	19630.21	84.45	-2.90
236	2013/02/04	04:25:05	9.6347	19619.08	84.52	04:25:15	9.6375	19620.92	84.45	-2.47
237	2013/02/04	04:27:35	9.6764	19609.90	84.53	04:27:45	9.6792	19611.92	84.46	-2.75
238	2013/02/04	04:30:05	9.7181	19600.78	84.54	04:30:15	9.7208	19602.88	84.47	-2.67
239	2013/02/04	04:32:35	9.7597	19592.13	84.54	04:32:45	9.7625	19594.34	84.47	-2.67
240	2013/02/04	04:35:05	9.8014	19583.68	84.55	04:35:15	9.8042	19585.39	84.48	-2.35
241	2013/02/04	04:37:35	9.8431	19574.95	84.55	04:37:45	9.8458	19576.75	84.49	-2.28
242	2013/02/04	04:40:05	9.8847	19566.39	84.56	04:40:15	9.8875	19568.03	84.49	-2.27
243	2013/02/04	04:42:35	9.9264	19557.85	84.57	04:42:45	9.9292	19559.56	84.50	-2.22
244	2013/02/04	04:45:05	9.9681	19549.26	84.57	04:45:15	9.9708	19551.02	84.51	-2.36
245	2013/02/04	04:47:35	10.0097	19540.78	84.58	04:47:45	10.0125	19542.86	84.51	-2.67
246	2013/02/04	04:50:05	10.0514	19532.91	84.58	04:50:15	10.0542	19534.67	84.52	-2.38
247	2013/02/04	04:52:35	10.0931	19524.40	84.59	04:52:45	10.0958	19526.31	84.52	-2.47
248	2013/02/04	04:55:05	10.1347	19516.60	84.60	04:55:15	10.1375	19518.26	84.53	-2.32
249	2013/02/04	04:57:35	10.1764	19508.47	84.60	04:57:45	10.1792	19510.43	84.54	-2.60
250	2013/02/04	05:00:05	10.2181	19500.52	84.61	05:00:15	10.2208	19502.51	84.54	-2.41
251	2013/02/04	05:02:35	10.2597	19492.50	84.61	05:02:45	10.2625	19494.51	84.55	-2.38
252	2013/02/04	05:05:05	10.3014	19484.91	84.62	05:05:15	10.3042	19486.65	84.55	-2.39
253	2013/02/04	05:07:35	10.3431	19477.24	84.63	05:07:45	10.3458	19478.98	84.56	-2.26
254	2013/02/04	05:10:05	10.3847	19469.40	84.63	05:10:15	10.3875	19471.65	84.56	-2.64
255	2013/02/04	05:12:35	10.4264	19461.92	84.64	05:12:45	10.4292	19463.79	84.57	-2.15
256	2013/02/04	05:15:05	10.4681	19454.30	84.64	05:15:15	10.4708	19456.04	84.57	-2.26
257	2013/02/04	05:17:35	10.5097	19447.06	84.65	05:17:45	10.5125	19448.83	84.58	-2.29
258	2013/02/04	05:20:05	10.5514	19439.41	84.65	05:20:15	10.5542	19441.47	84.58	-2.55
259	2013/02/04	05:22:35	10.5931	19432.04	84.66	05:22:45	10.5958	19433.83	84.59	-2.36
260	2013/02/04	05:25:05	10.6347	19425.03	84.66	05:25:15	10.6375	19426.87	84.60	-2.05
261	2013/02/04	05:27:35	10.6764	19418.05	84.67	05:27:45	10.6792	19419.92	84.60	-2.28
262	2013/02/04	05:30:05	10.7181	19410.65	84.67	05:30:15	10.7208	19412.50	84.61	-2.12
263	2013/02/04	05:32:35	10.7597	19403.29	84.68	05:32:45	10.7625	19405.53	84.61	-2.70
264	2013/02/04	05:35:05	10.8014	19396.41	84.68	05:35:15	10.8042	19398.35	84.62	-2.50
265	2013/02/04	05:37:35	10.8431	19389.38	84.69	05:37:45	10.8458	19391.57	84.62	-2.67

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
266	2013/02/04	05:40:05	10.8847	19382.81	84.69	05:40:15	10.8875	19384.64	84.62	-2.36
267	2013/02/04	05:42:35	10.9264	19376.13	84.70	05:42:45	10.9292	19378.07	84.63	-2.11
268	2013/02/04	05:45:05	10.9681	19369.57	84.70	05:45:15	10.9708	19371.34	84.63	-2.29
269	2013/02/04	05:47:35	11.0097	19362.68	84.71	05:47:45	11.0125	19364.21	84.64	-2.01
270	2013/02/04	05:50:05	11.0514	19355.95	84.71	05:50:15	11.0542	19358.10	84.64	-2.52
271	2013/02/04	05:52:35	11.0931	19349.21	84.72	05:52:45	11.0958	19351.50	84.65	-2.60
272	2013/02/04	05:55:05	11.1347	19342.49	84.72	05:55:15	11.1375	19344.63	84.65	-2.58
273	2013/02/04	05:57:35	11.1764	19336.07	84.73	05:57:45	11.1792	19338.04	84.66	-2.54
274	2013/02/04	06:00:05	11.2181	19329.68	84.73	06:00:15	11.2208	19331.88	84.66	-2.69
275	2013/02/04	06:02:35	11.2597	19323.31	84.73	06:02:45	11.2625	19325.43	84.67	-2.54
276	2013/02/04	06:05:05	11.3014	19317.20	84.74	06:05:15	11.3042	19318.81	84.67	-2.14
277	2013/02/04	06:07:35	11.3431	19310.91	84.74	06:07:45	11.3458	19312.90	84.68	-2.23
278	2013/02/04	06:10:05	11.3847	19304.62	84.75	06:10:15	11.3875	19306.69	84.68	-2.55
279	2013/02/04	06:12:35	11.4264	19298.56	84.75	06:12:45	11.4292	19300.58	84.68	-2.51
280	2013/02/04	06:15:05	11.4681	19292.23	84.75	06:15:15	11.4708	19294.34	84.69	-2.53
281	2013/02/04	06:17:35	11.5097	19286.28	84.76	06:17:45	11.5125	19288.37	84.69	-2.06
282	2013/02/04	06:20:05	11.5514	19280.37	84.76	06:20:15	11.5542	19282.29	84.70	-2.07
283	2013/02/04	06:22:35	11.5931	19270.45	84.77	06:22:45	11.5958	19272.36	84.70	-2.10
284	2013/02/04	06:25:05	11.6347	19265.33	84.77	06:25:15	11.6375	19267.30	84.70	-2.06
285	2013/02/04	06:27:35	11.6764	19259.74	84.78	06:27:45	11.6792	19262.10	84.71	-2.50
286	2013/02/04	06:30:05	11.7181	19254.15	84.78	06:30:15	11.7208	19256.38	84.71	-2.61
287	2013/02/04	06:32:35	11.7597	19248.79	84.79	06:32:45	11.7625	19250.68	84.72	-2.41
288	2013/02/04	06:35:05	11.8014	19243.20	84.79	06:35:15	11.8042	19245.09	84.72	-2.46
289	2013/02/04	06:37:35	11.8431	19237.73	84.79	06:37:45	11.8458	19240.11	84.73	-2.67
290	2013/02/04	06:40:05	11.8847	19232.16	84.80	06:40:15	11.8875	19234.32	84.73	-2.38
291	2013/02/04	06:42:35	11.9264	19226.48	84.80	06:42:45	11.9292	19228.62	84.73	-2.46
292	2013/02/04	06:45:05	11.9681	19221.03	84.81	06:45:15	11.9708	19222.94	84.74	-2.61
293	2013/02/04	06:47:35	12.0097	19215.77	84.81	06:47:45	12.0125	19217.49	84.74	-2.33
294	2013/02/04	06:50:05	12.0514	19209.95	84.81	06:50:15	12.0542	19212.33	84.75	-2.73
295	2013/02/04	06:52:35	12.0931	19204.84	84.82	06:52:45	12.0958	19206.96	84.75	-2.45
296	2013/02/04	06:55:05	12.1347	19199.31	84.82	06:55:15	12.1375	19201.36	84.75	-2.36
297	2013/02/04	06:57:35	12.1764	19194.11	84.82	06:57:45	12.1792	19196.25	84.76	-2.60
298	2013/02/04	07:00:05	12.2181	19188.80	84.83	07:00:15	12.2208	19190.86	84.76	-2.51
299	2013/02/04	07:02:35	12.2597	19183.76	84.83	07:02:45	12.2625	19185.77	84.76	-2.41
300	2013/02/04	07:05:05	12.3014	19178.55	84.83	07:05:15	12.3042	19180.65	84.77	-2.51
301	2013/02/04	07:07:35	12.3431	19173.49	84.84	07:07:45	12.3458	19175.06	84.77	-1.95
302	2013/02/04	07:10:05	12.3847	19168.15	84.84	07:10:15	12.3875	19170.34	84.78	-2.47
303	2013/02/04	07:12:35	12.4264	19163.06	84.85	07:12:45	12.4292	19165.43	84.78	-2.57
304	2013/02/04	07:15:05	12.4681	19158.27	84.85	07:15:15	12.4708	19160.17	84.78	-2.25
305	2013/02/04	07:17:35	12.5097	19153.10	84.85	07:17:45	12.5125	19154.96	84.78	-2.27
306	2013/02/04	07:20:05	12.5514	19148.12	84.86	07:20:15	12.5542	19150.00	84.79	-2.10
307	2013/02/04	07:22:35	12.5931	19142.99	84.86	07:22:45	12.5958	19144.96	84.79	-2.30
308	2013/02/04	07:25:05	12.6347	19138.01	84.87	07:25:15	12.6375	19140.37	84.80	-2.68
309	2013/02/04	07:27:35	12.6764	19133.26	84.87	07:27:45	12.6792	19135.47	84.80	-2.56
310	2013/02/04	07:30:05	12.7181	19128.45	84.87	07:30:15	12.7208	19130.79	84.80	-2.58
311	2013/02/04	07:32:35	12.7597	19123.53	84.88	07:32:45	12.7625	19125.30	84.81	-2.26
312	2013/02/04	07:35:05	12.8014	19118.79	84.88	07:35:15	12.8042	19120.83	84.81	-2.12
313	2013/02/04	07:37:35	12.8431	19114.03	84.88	07:37:45	12.8458	19115.83	84.81	-2.18
314	2013/02/04	07:40:05	12.8847	19109.18	84.88	07:40:15	12.8875	19111.30	84.82	-2.35
315	2013/02/04	07:42:35	12.9264	19104.58	84.89	07:42:45	12.9292	19106.42	84.82	-2.15
316	2013/02/04	07:45:05	12.9681	19099.58	84.89	07:45:15	12.9708	19101.72	84.82	-2.71
317	2013/02/04	07:47:35	13.0097	19095.05	84.89	07:47:45	13.0125	19097.38	84.82	-2.57
318	2013/02/04	07:50:05	13.0514	19090.69	84.90	07:50:15	13.0542	19092.69	84.83	-2.31

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
319	2013/02/04	07:52:35	13.0931	19085.63	84.90	07:52:45	13.0958	19088.14	84.83	-3.02
320	2013/02/04	07:55:05	13.1347	19081.69	84.90	07:55:15	13.1375	19083.73	84.83	-2.21
321	2013/02/04	07:57:35	13.1764	19077.06	84.91	07:57:45	13.1792	19079.19	84.84	-2.28
322	2013/02/04	08:00:05	13.2181	19072.28	84.91	08:00:15	13.2208	19074.48	84.84	-2.56
323	2013/02/04	08:02:35	13.2597	19068.25	84.91	08:02:45	13.2625	19070.19	84.84	-2.35
324	2013/02/04	08:05:05	13.3014	19063.82	84.92	08:05:15	13.3042	19065.79	84.85	-2.10
325	2013/02/04	08:07:35	13.3431	19059.63	84.92	08:07:45	13.3458	19061.35	84.85	-2.22
326	2013/02/04	08:10:05	13.3847	19055.12	84.92	08:10:15	13.3875	19056.93	84.85	-2.09
327	2013/02/04	08:12:35	13.4264	19050.50	84.92	08:12:45	13.4292	19052.82	84.86	-2.70
328	2013/02/04	08:15:05	13.4681	19046.47	84.93	08:15:15	13.4708	19048.72	84.86	-2.49
329	2013/02/04	08:17:35	13.5097	19042.04	84.93	08:17:45	13.5125	19044.14	84.86	-2.46
330	2013/02/04	08:20:05	13.5514	19038.15	84.94	08:20:15	13.5542	19039.83	84.86	-1.90
331	2013/02/04	08:22:35	13.5931	19033.76	84.94	08:22:45	13.5958	19036.00	84.87	-2.40
332	2013/02/04	08:25:05	13.6347	19029.50	84.94	08:25:15	13.6375	19031.33	84.87	-2.14
333	2013/02/04	08:27:35	13.6764	19025.24	84.94	08:27:45	13.6792	19027.38	84.87	-2.53
334	2013/02/04	08:30:05	13.7181	19021.17	84.94	08:30:15	13.7208	19023.33	84.88	-2.45
335	2013/02/04	08:32:35	13.7597	19017.08	84.95	08:32:45	13.7625	19019.22	84.88	-2.56
336	2013/02/04	08:35:05	13.8014	19013.18	84.95	08:35:15	13.8042	19015.24	84.88	-2.33
337	2013/02/04	08:37:35	13.8431	19009.04	84.95	08:37:45	13.8458	19011.41	84.88	-2.56
338	2013/02/04	08:40:05	13.8847	19005.26	84.96	08:40:15	13.8875	19007.47	84.89	-2.41
339	2013/02/04	08:42:35	13.9264	19001.51	84.96	08:42:45	13.9292	19002.93	84.89	-1.64
340	2013/02/04	08:45:05	13.9681	18997.29	84.96	08:45:15	13.9708	18999.59	84.89	-2.57
341	2013/02/04	08:47:35	14.0097	18993.53	84.97	08:47:45	14.0125	18995.77	84.90	-2.44
342	2013/02/04	08:50:05	14.0514	18989.45	84.97	08:50:15	14.0542	18991.36	84.90	-2.06
343	2013/02/04	08:52:35	14.0931	18985.48	84.97	08:52:45	14.0958	18987.49	84.90	-2.27
344	2013/02/04	08:55:05	14.1347	18981.67	84.97	08:55:15	14.1375	18983.76	84.90	-2.44
345	2013/02/04	08:57:35	14.1764	18977.92	84.98	08:57:45	14.1792	18980.12	84.91	-2.53
346	2013/02/04	09:00:05	14.2181	18974.08	84.98	09:00:15	14.2208	18976.09	84.91	-2.36
347	2013/02/04	09:02:35	14.2597	18970.25	84.98	09:02:45	14.2625	18972.23	84.91	-2.18
348	2013/02/04	09:05:05	14.3014	18966.58	84.98	09:05:15	14.3042	18968.68	84.91	-2.16
349	2013/02/04	09:07:35	14.3431	18962.83	84.99	09:07:45	14.3458	18964.93	84.92	-2.49
350	2013/02/04	09:10:05	14.3847	18958.88	84.99	09:10:15	14.3875	18961.38	84.92	-2.73
351	2013/02/04	09:12:35	14.4264	18955.09	84.99	09:12:45	14.4292	18957.28	84.92	-2.45
352	2013/02/04	09:15:05	14.4681	18951.57	84.99	09:15:15	14.4708	18953.79	84.92	-2.44
353	2013/02/04	09:17:35	14.5097	18947.77	85.00	09:17:45	14.5125	18950.03	84.93	-2.59
354	2013/02/04	09:20:05	14.5514	18944.27	85.00	09:20:15	14.5542	18946.81	84.93	-2.67
355	2013/02/04	09:22:35	14.5931	18940.70	85.00	09:22:45	14.5958	18943.03	84.93	-2.51
356	2013/02/04	09:25:05	14.6347	18937.27	85.00	09:25:15	14.6375	18938.91	84.94	-1.80
357	2013/02/04	09:27:35	14.6764	18933.56	85.01	09:27:45	14.6792	18935.75	84.94	-2.51
358	2013/02/04	09:30:05	14.7181	18929.60	85.01	09:30:15	14.7208	18931.83	84.94	-2.45
359	2013/02/04	09:32:35	14.7597	18926.39	85.01	09:32:45	14.7625	18928.74	84.94	-2.71
360	2013/02/04	09:35:05	14.8014	18922.87	85.02	09:35:15	14.8042	18925.01	84.94	-2.47
361	2013/02/04	09:37:35	14.8431	18919.53	85.02	09:37:45	14.8458	18921.78	84.95	-2.36
362	2013/02/04	09:40:05	14.8847	18915.97	85.02	09:40:15	14.8875	18917.90	84.95	-2.29
363	2013/02/04	09:42:35	14.9264	18912.60	85.02	09:42:45	14.9292	18914.83	84.95	-2.58
364	2013/02/04	09:45:05	14.9681	18909.34	85.02	09:45:15	14.9708	18911.39	84.95	-2.53
365	2013/02/04	09:47:35	15.0097	18906.26	85.02	09:47:45	15.0125	18908.01	84.96	-1.82
366	2013/02/04	09:50:05	15.0514	18902.56	85.03	09:50:15	15.0542	18904.75	84.96	-2.37
367	2013/02/04	09:52:35	15.0931	18899.01	85.03	09:52:45	15.0958	18901.35	84.96	-2.55
368	2013/02/04	09:55:05	15.1347	18895.93	85.03	09:55:15	15.1375	18897.77	84.96	-2.08
369	2013/02/04	09:57:35	15.1764	18892.42	85.03	09:57:45	15.1792	18894.73	84.97	-2.54
370	2013/02/04	10:00:05	15.2181	18889.31	85.04	10:00:15	15.2208	18891.25	84.97	-2.32
371	2013/02/04	10:02:35	15.2597	18886.22	85.04	10:02:45	15.2625	18888.04	84.97	-2.10

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
372	2013/02/04	10:05:05	15.3014	18882.65	85.04	10:05:15	15.3042	18884.73	84.97	-2.33
373	2013/02/04	10:07:35	15.3431	18879.33	85.04	10:07:45	15.3458	18881.72	84.97	-2.65
374	2013/02/04	10:10:05	15.3847	18876.16	85.05	10:10:15	15.3875	18878.01	84.98	-2.09
375	2013/02/04	10:12:35	15.4264	18873.06	85.05	10:12:45	15.4292	18874.80	84.98	-2.06
376	2013/02/04	10:15:05	15.4681	18869.56	85.05	10:15:15	15.4708	18871.77	84.98	-2.43
377	2013/02/04	10:17:35	15.5097	18866.40	85.05	10:17:45	15.5125	18868.51	84.98	-2.35
378	2013/02/04	10:20:05	15.5514	18863.18	85.05	10:20:15	15.5542	18865.28	84.99	-2.22
379	2013/02/04	10:22:35	15.5931	18860.16	85.06	10:22:45	15.5958	18862.47	84.99	-2.52
380	2013/02/04	10:25:05	15.6347	18857.17	85.06	10:25:15	15.6375	18859.21	84.99	-2.31
381	2013/02/04	10:27:35	15.6764	18854.09	85.06	10:27:45	15.6792	18855.74	84.99	-2.03
382	2013/02/04	10:30:05	15.7181	18851.18	85.06	10:30:15	15.7208	18852.85	84.99	-1.99
383	2013/02/04	10:32:35	15.7597	18847.87	85.06	10:32:45	15.7625	18849.98	84.99	-2.21
384	2013/02/04	10:35:05	15.8014	18844.70	85.07	10:35:15	15.8042	18846.65	85.00	-2.13
385	2013/02/04	10:37:35	15.8431	18841.36	85.07	10:37:45	15.8458	18843.56	85.00	-2.53
386	2013/02/04	10:40:05	15.8847	18838.72	85.07	10:40:15	15.8875	18840.88	85.00	-2.26
387	2013/02/04	10:42:35	15.9264	18835.65	85.07	10:42:45	15.9292	18837.71	85.00	-2.45
388	2013/02/04	10:45:05	15.9681	18831.99	85.07	10:45:15	15.9708	18834.80	85.01	-2.89
389	2013/02/04	10:47:35	16.0097	18829.65	85.08	10:47:45	16.0125	18831.72	85.01	-2.18
390	2013/02/04	10:50:05	16.0514	18826.51	85.08	10:50:15	16.0542	18828.58	85.01	-2.33
391	2013/02/04	10:52:35	16.0931	18823.74	85.08	10:52:45	16.0958	18825.51	85.01	-2.13
392	2013/02/04	10:55:05	16.1347	18820.44	85.08	10:55:15	16.1375	18822.62	85.01	-2.42
393	2013/02/04	10:57:35	16.1764	18817.64	85.08	10:57:45	16.1792	18819.57	85.02	-2.25
394	2013/02/04	11:00:05	16.2181	18814.63	85.09	11:00:15	16.2208	18816.61	85.02	-2.31
395	2013/02/04	11:02:35	16.2597	18811.66	85.09	11:02:45	16.2625	18813.70	85.02	-2.47
396	2013/02/04	11:05:05	16.3014	18808.77	85.09	11:05:15	16.3042	18810.56	85.02	-2.08
397	2013/02/04	11:07:35	16.3431	18805.99	85.09	11:07:45	16.3458	18808.08	85.02	-2.26
398	2013/02/04	11:10:05	16.3847	18803.13	85.10	11:10:15	16.3875	18805.46	85.02	-2.62
399	2013/02/04	11:12:35	16.4264	18800.24	85.10	11:12:45	16.4292	18802.19	85.03	-2.11
400	2013/02/04	11:15:05	16.4681	18797.11	85.10	11:15:15	16.4708	18799.40	85.03	-2.61
401	2013/02/04	11:17:35	16.5097	18794.58	85.10	11:17:45	16.5125	18796.78	85.03	-2.22
402	2013/02/04	11:20:05	16.5514	18791.87	85.10	11:20:15	16.5542	18793.82	85.03	-2.11
403	2013/02/04	11:22:35	16.5931	18789.16	85.10	11:22:45	16.5958	18790.99	85.03	-2.04
404	2013/02/04	11:25:05	16.6347	18786.14	85.11	11:25:15	16.6375	18787.91	85.04	-2.13
405	2013/02/04	11:27:35	16.6764	18783.44	85.11	11:27:45	16.6792	18785.27	85.04	-2.22
406	2013/02/04	11:30:05	16.7181	18780.82	85.11	11:30:15	16.7208	18782.83	85.04	-2.11
407	2013/02/04	11:32:35	16.7597	18777.79	85.11	11:32:45	16.7625	18780.30	85.04	-2.68
408	2013/02/04	11:35:05	16.8014	18775.26	85.11	11:35:15	16.8042	18777.21	85.04	-2.07
409	2013/02/04	11:37:35	16.8431	18772.45	85.12	11:37:45	16.8458	18774.56	85.04	-2.32
410	2013/02/04	11:40:05	16.8847	18769.99	85.12	11:40:15	16.8875	18771.74	85.05	-1.90
411	2013/02/04	11:42:35	16.9264	18767.18	85.12	11:42:45	16.9292	18769.30	85.05	-2.67
412	2013/02/04	11:45:05	16.9681	18764.56	85.12	11:45:15	16.9708	18766.72	85.05	-2.09
413	2013/02/04	11:47:35	17.0097	18761.66	85.12	11:47:45	17.0125	18763.91	85.05	-2.58
414	2013/02/04	11:50:05	17.0514	18759.28	85.12	11:50:15	17.0542	18761.51	85.05	-2.35
415	2013/02/04	11:52:35	17.0931	18756.56	85.13	11:52:45	17.0958	18758.77	85.06	-2.27
416	2013/02/04	11:55:05	17.1347	18753.84	85.13	11:55:15	17.1375	18756.23	85.06	-2.70
417	2013/02/04	11:57:35	17.1764	18751.35	85.13	11:57:45	17.1792	18753.38	85.06	-2.22
418	2013/02/04	12:00:05	17.2181	18748.70	85.13	12:00:15	17.2208	18750.84	85.06	-2.24
419	2013/02/04	12:02:35	17.2597	18746.31	85.13	12:02:45	17.2625	18748.39	85.06	-2.38
420	2013/02/04	12:05:05	17.3014	18743.78	85.13	12:05:15	17.3042	18745.87	85.06	-2.33
421	2013/02/04	12:07:35	17.3431	18741.13	85.14	12:07:45	17.3458	18743.38	85.07	-2.50
422	2013/02/04	12:10:05	17.3847	18738.52	85.14	12:10:15	17.3875	18740.60	85.07	-2.32
423	2013/02/04	12:12:35	17.4264	18736.25	85.14	12:12:45	17.4292	18738.37	85.07	-2.15
424	2013/02/04	12:15:05	17.4681	18733.70	85.14	12:15:15	17.4708	18735.92	85.07	-2.38

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
425	2013/02/04	12:17:35	17.5097	18731.26	85.14	12:17:45	17.5125	18733.34	85.07	-2.39
426	2013/02/04	12:20:05	17.5514	18728.70	85.14	12:20:15	17.5542	18730.85	85.07	-2.30
427	2013/02/04	12:22:35	17.5931	18726.20	85.15	12:22:45	17.5958	18728.24	85.08	-2.14
428	2013/02/04	12:25:05	17.6347	18723.82	85.15	12:25:15	17.6375	18726.29	85.08	-2.43
429	2013/02/04	12:27:35	17.6764	18721.06	85.15	12:27:45	17.6792	18723.53	85.08	-2.52
430	2013/02/04	12:30:05	17.7181	18718.96	85.15	12:30:15	17.7208	18720.96	85.08	-2.08
431	2013/02/04	12:32:35	17.7597	18716.46	85.15	12:32:45	17.7625	18718.78	85.08	-2.42
432	2013/02/04	12:35:05	17.8014	18714.29	85.15	12:35:15	17.8042	18716.17	85.08	-2.02
433	2013/02/04	12:37:35	17.8431	18711.63	85.15	12:37:45	17.8458	18713.69	85.09	-2.40
434	2013/02/04	12:40:05	17.8847	18709.49	85.16	12:40:15	17.8875	18711.30	85.09	-1.95
435	2013/02/04	12:42:35	17.9264	18706.87	85.16	12:42:45	17.9292	18709.28	85.09	-2.44
436	2013/02/04	12:45:05	17.9681	18704.73	85.16	12:45:15	17.9708	18706.75	85.09	-1.82
437	2013/02/04	12:47:35	18.0097	18702.29	85.16	12:47:45	18.0125	18704.46	85.09	-2.30
438	2013/02/04	12:50:05	18.0514	18699.48	85.16	12:50:15	18.0542	18702.08	85.09	-2.43
439	2013/02/04	12:52:35	18.0931	18697.51	85.16	12:52:45	18.0958	18699.77	85.10	-2.28
440	2013/02/04	12:55:05	18.1347	18695.39	85.17	12:55:15	18.1375	18697.22	85.10	-1.90
441	2013/02/04	12:57:35	18.1764	18693.02	85.17	12:57:45	18.1792	18694.86	85.10	-2.08
442	2013/02/04	13:00:05	18.2181	18690.58	85.17	13:00:15	18.2208	18692.60	85.10	-2.33
443	2013/02/04	13:02:35	18.2597	18688.56	85.17	13:02:45	18.2625	18690.47	85.10	-1.93
444	2013/02/04	13:05:05	18.3014	18686.01	85.17	13:05:15	18.3042	18688.53	85.10	-2.59
445	2013/02/04	13:07:35	18.3431	18683.88	85.17	13:07:45	18.3458	18686.03	85.10	-2.17
446	2013/02/04	13:10:05	18.3847	18682.04	85.18	13:10:15	18.3875	18683.69	85.11	-1.63
447	2013/02/04	13:12:35	18.4264	18679.54	85.18	13:12:45	18.4292	18681.70	85.11	-2.41
448	2013/02/04	13:15:05	18.4681	18677.32	85.18	13:15:15	18.4708	18679.51	85.11	-2.23
449	2013/02/04	13:17:35	18.5097	18675.04	85.18	13:17:45	18.5125	18677.30	85.11	-2.58
450	2013/02/04	13:20:05	18.5514	18672.97	85.18	13:20:15	18.5542	18675.21	85.11	-2.48
451	2013/02/04	13:22:35	18.5931	18671.09	85.18	13:22:45	18.5958	18672.86	85.11	-1.92
452	2013/02/04	13:25:05	18.6347	18668.79	85.18	13:25:15	18.6375	18670.91	85.11	-2.56
453	2013/02/04	13:27:35	18.6764	18666.60	85.19	13:27:45	18.6792	18668.51	85.12	-2.14
454	2013/02/04	13:30:05	18.7181	18664.38	85.19	13:30:15	18.7208	18666.57	85.12	-2.34
455	2013/02/04	13:32:35	18.7597	18662.75	85.19	13:32:45	18.7625	18664.40	85.12	-1.77
456	2013/02/04	13:35:05	18.8014	18660.35	85.19	13:35:15	18.8042	18662.25	85.12	-1.98
457	2013/02/04	13:37:35	18.8431	18658.18	85.19	13:37:45	18.8458	18660.43	85.12	-2.45
458	2013/02/04	13:40:05	18.8847	18656.20	85.19	13:40:15	18.8875	18658.21	85.12	-2.22
459	2013/02/04	13:42:35	18.9264	18654.12	85.19	13:42:45	18.9292	18656.10	85.12	-2.16
460	2013/02/04	13:45:05	18.9681	18651.81	85.20	13:45:15	18.9708	18654.31	85.13	-2.49
461	2013/02/04	13:47:35	19.0097	18650.10	85.20	13:47:45	19.0125	18651.96	85.13	-2.06
462	2013/02/04	13:50:05	19.0514	18647.85	85.20	13:50:15	19.0542	18650.28	85.13	-2.44
463	2013/02/04	13:52:35	19.0931	18645.56	85.20	13:52:45	19.0958	18648.01	85.13	-2.65
464	2013/02/04	13:55:05	19.1347	18643.58	85.20	13:55:15	19.1375	18646.11	85.13	-2.58
465	2013/02/04	13:57:35	19.1764	18641.77	85.20	13:57:45	19.1792	18643.87	85.13	-2.59
466	2013/02/04	14:00:05	19.2181	18639.62	85.20	14:00:15	19.2208	18642.13	85.13	-2.59
467	2013/02/04	14:02:35	19.2597	18637.74	85.20	14:02:45	19.2625	18639.96	85.14	-2.63
468	2013/02/04	14:05:05	19.3014	18635.87	85.21	14:05:15	19.3042	18638.04	85.14	-2.07
469	2013/02/04	14:07:35	19.3431	18633.75	85.21	14:07:45	19.3458	18635.93	85.14	-2.45
470	2013/02/04	14:10:05	19.3847	18632.08	85.21	14:10:15	19.3875	18634.09	85.14	-1.95
471	2013/02/04	14:12:35	19.4264	18630.01	85.21	14:12:45	19.4292	18632.24	85.14	-2.36
472	2013/02/04	14:15:05	19.4681	18628.17	85.21	14:15:15	19.4708	18630.07	85.14	-2.02
473	2013/02/04	14:17:35	19.5097	18625.83	85.21	14:17:45	19.5125	18627.95	85.14	-2.47
474	2013/02/04	14:20:05	19.5514	18623.72	85.21	14:20:15	19.5542	18625.92	85.14	-2.35
475	2013/02/04	14:22:35	19.5931	18622.24	85.22	14:22:45	19.5958	18624.45	85.15	-2.06
476	2013/02/04	14:25:05	19.6347	18620.55	85.22	14:25:15	19.6375	18622.56	85.15	-2.02
477	2013/02/04	14:27:35	19.6764	18618.50	85.22	14:27:45	19.6792	18620.76	85.15	-2.27

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
478	2013/02/04	14:30:05	19.7181	18616.44	85.22	14:30:15	19.7208	18618.53	85.15	-2.47
479	2013/02/04	14:32:35	19.7597	18614.53	85.22	14:32:45	19.7625	18616.65	85.15	-2.08
480	2013/02/04	14:35:05	19.8014	18612.79	85.22	14:35:15	19.8042	18614.71	85.15	-1.96
481	2013/02/04	14:37:35	19.8431	18610.61	85.23	14:37:45	19.8458	18612.84	85.15	-2.42
482	2013/02/04	14:40:05	19.8847	18608.85	85.23	14:40:15	19.8875	18611.01	85.15	-2.13
483	2013/02/04	14:42:35	19.9264	18606.92	85.23	14:42:45	19.9292	18608.86	85.16	-2.38
484	2013/02/04	14:45:05	19.9681	18605.34	85.23	14:45:15	19.9708	18607.74	85.16	-2.49
485	2013/02/04	14:47:35	20.0097	18603.37	85.23	14:47:45	20.0125	18605.83	85.16	-2.53
486	2013/02/04	14:50:05	20.0514	18601.95	85.23	14:50:15	20.0542	18604.21	85.16	-2.29
487	2013/02/04	14:52:35	20.0931	18600.31	85.23	14:52:45	20.0958	18602.18	85.16	-1.90
488	2013/02/04	14:55:05	20.1347	18598.13	85.23	14:55:15	20.1375	18600.45	85.16	-2.33
489	2013/02/04	14:57:35	20.1764	18596.63	85.23	14:57:45	20.1792	18598.72	85.16	-2.41
490	2013/02/04	15:00:05	20.2181	18595.09	85.24	15:00:15	20.2208	18597.01	85.17	-2.14
491	2013/02/04	15:02:35	20.2597	18593.27	85.24	15:02:45	20.2625	18595.19	85.17	-2.08
492	2013/02/04	15:05:05	20.3014	18591.70	85.24	15:05:15	20.3042	18593.41	85.17	-2.06
493	2013/02/04	15:07:35	20.3431	18589.80	85.24	15:07:45	20.3458	18592.02	85.17	-2.19
494	2013/02/04	15:10:05	20.3847	18588.06	85.24	15:10:15	20.3875	18590.17	85.17	-2.27
495	2013/02/04	15:12:35	20.4264	18586.32	85.24	15:12:45	20.4292	18588.47	85.17	-2.13
496	2013/02/04	15:15:05	20.4681	18584.82	85.24	15:15:15	20.4708	18586.92	85.17	-2.30
497	2013/02/04	15:17:35	20.5097	18582.90	85.24	15:17:45	20.5125	18585.26	85.17	-2.17
498	2013/02/04	15:20:05	20.5514	18581.30	85.25	15:20:15	20.5542	18583.64	85.18	-2.43
499	2013/02/04	15:22:35	20.5931	18579.80	85.25	15:22:45	20.5958	18582.03	85.18	-2.32
500	2013/02/04	15:25:05	20.6347	18578.14	85.25	15:25:15	20.6375	18580.32	85.18	-2.36
501	2013/02/04	15:27:35	20.6764	18576.43	85.25	15:27:45	20.6792	18578.47	85.18	-2.42
502	2013/02/04	15:30:05	20.7181	18574.76	85.25	15:30:15	20.7208	18576.95	85.18	-2.19
503	2013/02/04	15:32:35	20.7597	18573.15	85.25	15:32:45	20.7625	18575.78	85.18	-2.66
504	2013/02/04	15:35:05	20.8014	18571.86	85.25	15:35:15	20.8042	18573.37	85.18	-1.62
505	2013/02/04	15:37:35	20.8431	18569.92	85.25	15:37:45	20.8458	18572.28	85.18	-2.55
506	2013/02/04	15:40:05	20.8847	18568.17	85.26	15:40:15	20.8875	18570.90	85.19	-2.87
507	2013/02/04	15:42:35	20.9264	18566.70	85.26	15:42:45	20.9292	18568.94	85.19	-2.51
508	2013/02/04	15:45:05	20.9681	18565.30	85.26	15:45:15	20.9708	18567.51	85.19	-2.26
509	2013/02/04	15:47:35	21.0097	18563.72	85.26	15:47:45	21.0125	18565.84	85.19	-2.26
510	2013/02/04	15:50:05	21.0514	18562.02	85.26	15:50:15	21.0542	18564.39	85.19	-2.50
511	2013/02/04	15:52:35	21.0931	18560.53	85.26	15:52:45	21.0958	18562.78	85.19	-2.38
512	2013/02/04	15:55:05	21.1347	18558.83	85.26	15:55:15	21.1375	18561.01	85.19	-2.17
513	2013/02/04	15:57:35	21.1764	18557.17	85.26	15:57:45	21.1792	18559.45	85.19	-2.24
514	2013/02/04	16:00:05	21.2181	18555.61	85.26	16:00:15	21.2208	18557.88	85.19	-2.38
515	2013/02/04	16:02:35	21.2597	18554.06	85.26	16:02:45	21.2625	18556.08	85.19	-2.05
516	2013/02/04	16:05:05	21.3014	18552.24	85.26	16:05:15	21.3042	18554.45	85.19	-2.31
517	2013/02/04	16:07:35	21.3431	18550.75	85.27	16:07:45	21.3458	18552.77	85.19	-2.20
518	2013/02/04	16:10:05	21.3847	18549.09	85.27	16:10:15	21.3875	18551.56	85.20	-2.55
519	2013/02/04	16:12:35	21.4264	18547.70	85.27	16:12:45	21.4292	18549.79	85.20	-2.36
520	2013/02/04	16:15:05	21.4681	18545.66	85.27	16:15:15	21.4708	18548.42	85.20	-2.83
521	2013/02/04	16:17:35	21.5097	18544.51	85.27	16:17:45	21.5125	18546.85	85.20	-2.52
522	2013/02/04	16:20:05	21.5514	18543.10	85.27	16:20:15	21.5542	18545.48	85.20	-2.53
523	2013/02/04	16:22:35	21.5931	18541.88	85.27	16:22:45	21.5958	18543.67	85.20	-1.91
524	2013/02/04	16:25:05	21.6347	18539.58	85.27	16:25:15	21.6375	18542.26	85.20	-2.78
525	2013/02/04	16:27:35	21.6764	18538.51	85.27	16:27:45	21.6792	18540.71	85.20	-2.32
526	2013/02/04	16:30:05	21.7181	18536.89	85.28	16:30:15	21.7208	18539.22	85.21	-2.38
527	2013/02/04	16:32:35	21.7597	18535.39	85.28	16:32:45	21.7625	18537.74	85.21	-2.50
528	2013/02/04	16:35:05	21.8014	18533.87	85.28	16:35:15	21.8042	18536.30	85.21	-2.69
529	2013/02/04	16:37:35	21.8431	18532.48	85.28	16:37:45	21.8458	18534.67	85.21	-2.31
530	2013/02/04	16:40:05	21.8847	18530.96	85.28	16:40:15	21.8875	18533.12	85.21	-2.03

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
531	2013/02/04	16:42:35	21.9264	18529.70	85.28	16:42:45	21.9292	18531.52	85.21	-1.88
532	2013/02/04	16:45:05	21.9681	18528.11	85.28	16:45:15	21.9708	18530.39	85.21	-2.18
533	2013/02/04	16:47:35	22.0097	18526.78	85.28	16:47:45	22.0125	18528.57	85.21	-2.01
534	2013/02/04	16:50:05	22.0514	18525.11	85.28	16:50:15	22.0542	18527.38	85.21	-2.35
535	2013/02/04	16:52:35	22.0931	18523.57	85.28	16:52:45	22.0958	18525.63	85.22	-2.42
536	2013/02/04	16:55:05	22.1347	18522.06	85.29	16:55:15	22.1375	18524.38	85.22	-2.25
537	2013/02/04	16:57:35	22.1764	18520.72	85.29	16:57:45	22.1792	18522.90	85.22	-2.50
538	2013/02/04	17:00:05	22.2181	18519.18	85.29	17:00:15	22.2208	18521.38	85.22	-2.36
539	2013/02/04	17:02:35	22.2597	18517.82	85.29	17:02:45	22.2625	18519.94	85.22	-2.39
540	2013/02/04	17:05:05	22.3014	18516.34	85.29	17:05:15	22.3042	18518.58	85.22	-2.33
541	2013/02/04	17:07:35	22.3431	18514.93	85.29	17:07:45	22.3458	18517.20	85.22	-2.39
542	2013/02/04	17:10:05	22.3847	18513.46	85.29	17:10:15	22.3875	18515.53	85.22	-2.22
543	2013/02/04	17:12:35	22.4264	18512.38	85.29	17:12:45	22.4292	18514.02	85.22	-1.71
544	2013/02/04	17:15:05	22.4681	18510.67	85.29	17:15:15	22.4708	18513.00	85.22	-2.54
545	2013/02/04	17:17:35	22.5097	18509.09	85.30	17:17:45	22.5125	18511.42	85.22	-2.25
546	2013/02/04	17:20:05	22.5514	18507.97	85.30	17:20:15	22.5542	18509.56	85.23	-1.66
547	2013/02/04	17:22:35	22.5931	18506.32	85.30	17:22:45	22.5958	18508.42	85.23	-2.29
548	2013/02/04	17:25:05	22.6347	18504.99	85.30	17:25:15	22.6375	18507.15	85.23	-2.22
549	2013/02/04	17:27:35	22.6764	18503.68	85.30	17:27:45	22.6792	18505.95	85.23	-2.42
550	2013/02/04	17:30:05	22.7181	18502.35	85.30	17:30:15	22.7208	18504.43	85.23	-2.10
551	2013/02/04	17:32:35	22.7597	18500.99	85.30	17:32:45	22.7625	18503.24	85.23	-2.41
552	2013/02/04	17:35:05	22.8014	18499.58	85.30	17:35:15	22.8042	18501.93	85.23	-2.23
553	2013/02/04	17:37:35	22.8431	18498.21	85.30	17:37:45	22.8458	18500.27	85.23	-2.15
554	2013/02/04	17:40:05	22.8847	18496.66	85.30	17:40:15	22.8875	18499.30	85.23	-2.76
555	2013/02/04	17:42:35	22.9264	18495.38	85.30	17:42:45	22.9292	18497.67	85.23	-2.33
556	2013/02/04	17:45:05	22.9681	18493.85	85.31	17:45:15	22.9708	18496.36	85.23	-2.80
557	2013/02/04	17:47:35	23.0097	18492.81	85.31	17:47:45	23.0125	18495.28	85.23	-2.67
558	2013/02/04	17:50:05	23.0514	18491.40	85.31	17:50:15	23.0542	18493.35	85.24	-2.28
559	2013/02/04	17:52:35	23.0931	18490.24	85.31	17:52:45	23.0958	18492.33	85.24	-2.15
560	2013/02/04	17:55:05	23.1347	18488.76	85.31	17:55:15	23.1375	18490.91	85.24	-2.11
561	2013/02/04	17:57:35	23.1764	18487.58	85.31	17:57:45	23.1792	18489.90	85.24	-2.31
562	2013/02/04	18:00:05	23.2181	18486.26	85.31	18:00:15	23.2208	18488.37	85.24	-2.14
563	2013/02/04	18:02:35	23.2597	18485.06	85.31	18:02:45	23.2625	18487.02	85.24	-2.08
564	2013/02/04	18:05:05	23.3014	18483.58	85.31	18:05:15	23.3042	18485.21	85.24	-1.68
565	2013/02/04	18:07:35	23.3431	18482.17	85.31	18:07:45	23.3458	18484.20	85.24	-2.13
566	2013/02/04	18:10:05	23.3847	18480.76	85.31	18:10:15	23.3875	18482.89	85.24	-2.40
567	2013/02/04	18:12:35	23.4264	18479.54	85.31	18:12:45	23.4292	18481.74	85.24	-2.40
568	2013/02/04	18:15:05	23.4681	18478.28	85.31	18:15:15	23.4708	18480.15	85.24	-1.88
569	2013/02/04	18:17:35	23.5097	18471.21	85.31	18:17:45	23.5125	18474.11	85.25	-2.91
570	2013/02/04	18:20:05	23.5514	18471.45	85.31	18:20:15	23.5542	18473.77	85.25	-2.50
571	2013/02/04	18:22:35	23.5931	18471.15	85.32	18:22:45	23.5958	18473.12	85.25	-2.12
572	2013/02/04	18:25:05	23.6347	18470.31	85.32	18:25:15	23.6375	18472.38	85.25	-2.21
573	2013/02/04	18:27:35	23.6764	18469.54	85.32	18:27:45	23.6792	18471.71	85.25	-2.40
574	2013/02/04	18:30:05	23.7181	18468.35	85.32	18:30:15	23.7208	18470.42	85.25	-2.14
575	2013/02/04	18:32:35	23.7597	18467.28	85.32	18:32:45	23.7625	18469.54	85.25	-2.32
576	2013/02/04	18:35:05	23.8014	18465.92	85.32	18:35:15	23.8042	18468.20	85.25	-2.70
577	2013/02/04	18:37:35	23.8431	18464.76	85.32	18:37:45	23.8458	18467.18	85.25	-2.61
578	2013/02/04	18:40:05	23.8847	18463.48	85.32	18:40:15	23.8875	18465.99	85.25	-2.58
579	2013/02/04	18:42:35	23.9264	18462.38	85.32	18:42:45	23.9292	18464.94	85.25	-2.45
580	2013/02/04	18:45:05	23.9681	18461.43	85.32	18:45:15	23.9708	18463.60	85.25	-2.19
581	2013/02/04	18:47:35	24.0097	18460.35	85.33	18:47:45	24.0125	18462.43	85.26	-2.14
582	2013/02/04	18:50:05	24.0514	18458.78	85.33	18:50:15	24.0542	18460.95	85.26	-2.46
583	2013/02/04	18:52:35	24.0931	18457.98	85.33	18:52:45	24.0958	18459.95	85.26	-1.98

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
584	2013/02/04	18:55:05	24.1347	18456.53	85.33	18:55:15	24.1375	18458.71	85.26	-2.39
585	2013/02/04	18:57:35	24.1764	18455.54	85.33	18:57:45	24.1792	18457.70	85.26	-2.23
586	2013/02/04	19:00:05	24.2181	18454.43	85.33	19:00:15	24.2208	18456.52	85.26	-2.19
587	2013/02/04	19:02:35	24.2597	18452.90	85.33	19:02:45	24.2625	18455.20	85.26	-2.38
588	2013/02/04	19:05:05	24.3014	18451.67	85.33	19:05:15	24.3042	18454.09	85.26	-2.44
589	2013/02/04	19:07:35	24.3431	18450.44	85.33	19:07:45	24.3458	18452.99	85.26	-2.71
590	2013/02/04	19:10:05	24.3847	18449.57	85.33	19:10:15	24.3875	18451.54	85.26	-2.16
591	2013/02/04	19:12:35	24.4264	18448.21	85.33	19:12:45	24.4292	18450.85	85.26	-2.61
592	2013/02/04	19:15:05	24.4681	18447.02	85.33	19:15:15	24.4708	18449.32	85.26	-2.51
593	2013/02/04	19:17:35	24.5097	18445.77	85.34	19:17:45	24.5125	18447.62	85.26	-2.14
594	2013/02/04	19:20:05	24.5514	18444.52	85.33	19:20:15	24.5542	18446.78	85.26	-2.46
595	2013/02/04	19:22:35	24.5931	18444.00	85.34	19:22:45	24.5958	18445.68	85.27	-1.90
596	2013/02/04	19:25:05	24.6347	18442.23	85.34	19:25:15	24.6375	18444.64	85.27	-2.42
597	2013/02/04	19:27:35	24.6764	18441.09	85.34	19:27:45	24.6792	18443.41	85.27	-2.39
598	2013/02/04	19:30:05	24.7181	18439.83	85.34	19:30:15	24.7208	18442.16	85.27	-2.35
599	2013/02/04	19:32:35	24.7597	18438.91	85.34	19:32:45	24.7625	18441.17	85.27	-2.00
600	2013/02/04	19:35:05	24.8014	18437.59	85.34	19:35:15	24.8042	18439.83	85.27	-2.35
601	2013/02/04	19:37:35	24.8431	18436.23	85.34	19:37:45	24.8458	18438.72	85.27	-2.47
602	2013/02/04	19:40:05	24.8847	18435.53	85.34	19:40:15	24.8875	18437.49	85.27	-1.90
603	2013/02/04	19:42:35	24.9264	18434.05	85.34	19:42:45	24.9292	18436.58	85.27	-2.48
604	2013/02/04	19:45:05	24.9681	18432.98	85.34	19:45:15	24.9708	18434.96	85.27	-1.85
605	2013/02/04	19:47:35	25.0097	18431.90	85.34	19:47:45	25.0125	18433.92	85.27	-2.24
606	2013/02/04	19:50:05	25.0514	18430.80	85.35	19:50:15	25.0542	18432.58	85.27	-1.93
607	2013/02/04	19:52:35	25.0931	18429.27	85.34	19:52:45	25.0958	18431.70	85.27	-2.47
608	2013/02/04	19:55:05	25.1347	18428.32	85.35	19:55:15	25.1375	18430.26	85.27	-2.10
609	2013/02/04	19:57:35	25.1764	18426.99	85.35	19:57:45	25.1792	18429.36	85.27	-2.41
610	2013/02/04	20:00:05	25.2181	18425.89	85.35	20:00:15	25.2208	18428.30	85.28	-2.58
611	2013/02/04	20:02:35	25.2597	18424.90	85.35	20:02:45	25.2625	18426.94	85.28	-2.15
612	2013/02/04	20:05:05	25.3014	18423.90	85.35	20:05:15	25.3042	18425.48	85.28	-1.84
613	2013/02/04	20:07:35	25.3431	18422.42	85.35	20:07:45	25.3458	18424.74	85.28	-2.51
614	2013/02/04	20:10:05	25.3847	18421.09	85.35	20:10:15	25.3875	18423.58	85.28	-2.79
615	2013/02/04	20:12:35	25.4264	18420.06	85.35	20:12:45	25.4292	18422.39	85.28	-2.45
616	2013/02/04	20:15:05	25.4681	18419.22	85.35	20:15:15	25.4708	18421.45	85.28	-2.06
617	2013/02/04	20:17:35	25.5097	18418.57	85.35	20:17:45	25.5125	18420.14	85.28	-1.65
618	2013/02/04	20:20:05	25.5514	18417.00	85.35	20:20:15	25.5542	18419.08	85.28	-2.41
619	2013/02/04	20:22:35	25.5931	18416.08	85.35	20:22:45	25.5958	18418.38	85.28	-2.37
620	2013/02/04	20:25:05	25.6347	18414.93	85.35	20:25:15	25.6375	18416.94	85.28	-2.33
621	2013/02/04	20:27:35	25.6764	18413.98	85.36	20:27:45	25.6792	18415.90	85.28	-1.91
622	2013/02/04	20:30:05	25.7181	18412.74	85.36	20:30:15	25.7208	18414.95	85.28	-1.90
623	2013/02/04	20:32:35	25.7597	18411.53	85.36	20:32:45	25.7625	18413.86	85.28	-2.38
624	2013/02/04	20:35:05	25.8014	18410.78	85.36	20:35:15	25.8042	18412.81	85.29	-2.13
625	2013/02/04	20:37:35	25.8431	18409.52	85.36	20:37:45	25.8458	18412.07	85.29	-2.57
626	2013/02/04	20:40:05	25.8847	18408.33	85.36	20:40:15	25.8875	18410.94	85.29	-2.56
627	2013/02/04	20:42:35	25.9264	18407.74	85.36	20:42:45	25.9292	18409.37	85.29	-1.69
628	2013/02/04	20:45:05	25.9681	18406.22	85.36	20:45:15	25.9708	18408.52	85.29	-2.31
629	2013/02/04	20:47:35	26.0097	18405.26	85.36	20:47:45	26.0125	18407.61	85.29	-2.10
630	2013/02/04	20:50:05	26.0514	18404.41	85.36	20:50:15	26.0542	18406.16	85.29	-2.04
631	2013/02/04	20:52:35	26.0931	18403.05	85.36	20:52:45	26.0958	18405.26	85.29	-2.23
632	2013/02/04	20:55:05	26.1347	18402.18	85.36	20:55:15	26.1375	18404.45	85.29	-2.17
633	2013/02/04	20:57:35	26.1764	18401.18	85.36	20:57:45	26.1792	18403.34	85.29	-2.43
634	2013/02/04	21:00:05	26.2181	18400.09	85.36	21:00:15	26.2208	18402.55	85.29	-2.35
635	2013/02/04	21:02:35	26.2597	18399.13	85.36	21:02:45	26.2625	18401.32	85.29	-2.08
636	2013/02/04	21:05:05	26.3014	18397.95	85.37	21:05:15	26.3042	18400.32	85.29	-2.35

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
637	2013/02/04	21:07:35	26.3431	18397.25	85.37	21:07:45	26.3458	18398.90	85.29	-1.77
638	2013/02/04	21:10:05	26.3847	18395.55	85.37	21:10:15	26.3875	18397.76	85.29	-2.55
639	2013/02/04	21:12:35	26.4264	18395.03	85.37	21:12:45	26.4292	18397.21	85.30	-2.34
640	2013/02/04	21:15:05	26.4681	18393.96	85.37	21:15:15	26.4708	18396.02	85.30	-2.32
641	2013/02/04	21:17:35	26.5097	18393.03	85.37	21:17:45	26.5125	18394.90	85.30	-1.83
642	2013/02/04	21:20:05	26.5514	18391.57	85.37	21:20:15	26.5542	18393.71	85.30	-2.19
643	2013/02/04	21:22:35	26.5931	18390.54	85.37	21:22:45	26.5958	18392.84	85.30	-2.44
644	2013/02/04	21:25:05	26.6347	18389.41	85.37	21:25:15	26.6375	18392.08	85.30	-2.62
645	2013/02/04	21:27:35	26.6764	18388.74	85.37	21:27:45	26.6792	18391.11	85.30	-2.52
646	2013/02/04	21:30:05	26.7181	18387.90	85.37	21:30:15	26.7208	18389.95	85.30	-2.13
647	2013/02/04	21:32:35	26.7597	18386.86	85.37	21:32:45	26.7625	18389.11	85.30	-2.38
648	2013/02/04	21:35:05	26.8014	18385.83	85.37	21:35:15	26.8042	18388.11	85.30	-2.30
649	2013/02/04	21:37:35	26.8431	18384.63	85.37	21:37:45	26.8458	18387.27	85.30	-2.39
650	2013/02/04	21:40:05	26.8847	18383.57	85.37	21:40:15	26.8875	18386.20	85.30	-2.73
651	2013/02/04	21:42:35	26.9264	18382.92	85.37	21:42:45	26.9292	18384.99	85.30	-2.08
652	2013/02/04	21:45:05	26.9681	18381.99	85.37	21:45:15	26.9708	18384.20	85.30	-2.21
653	2013/02/04	21:47:35	27.0097	18381.25	85.37	21:47:45	27.0125	18383.30	85.30	-1.72
654	2013/02/04	21:50:05	27.0514	18380.21	85.38	21:50:15	27.0542	18382.12	85.30	-1.96
655	2013/02/04	21:52:35	27.0931	18379.08	85.38	21:52:45	27.0958	18381.22	85.30	-2.07
656	2013/02/04	21:55:05	27.1347	18378.00	85.38	21:55:15	27.1375	18380.50	85.31	-2.46
657	2013/02/04	21:57:35	27.1764	18377.10	85.38	21:57:45	27.1792	18378.94	85.31	-2.09
658	2013/02/04	22:00:05	27.2181	18375.86	85.38	22:00:15	27.2208	18378.34	85.31	-2.31
659	2013/02/04	22:02:35	27.2597	18374.91	85.38	22:02:45	27.2625	18377.28	85.31	-2.44
660	2013/02/04	22:05:05	27.3014	18374.11	85.38	22:05:15	27.3042	18376.48	85.31	-2.43
661	2013/02/04	22:07:35	27.3431	18373.04	85.38	22:07:45	27.3458	18375.39	85.31	-2.50
662	2013/02/04	22:10:05	27.3847	18372.13	85.38	22:10:15	27.3875	18374.24	85.31	-2.50
663	2013/02/04	22:12:35	27.4264	18371.39	85.38	22:12:45	27.4292	18373.28	85.31	-1.91
664	2013/02/04	22:15:05	27.4681	18370.29	85.38	22:15:15	27.4708	18372.47	85.31	-2.34
665	2013/02/04	22:17:35	27.5097	18369.16	85.38	22:17:45	27.5125	18371.40	85.31	-2.43
666	2013/02/04	22:20:05	27.5514	18368.24	85.38	22:20:15	27.5542	18370.69	85.31	-2.56
667	2013/02/04	22:22:35	27.5931	18367.75	85.38	22:22:45	27.5958	18369.82	85.31	-2.13
668	2013/02/04	22:25:05	27.6347	18366.45	85.38	22:25:15	27.6375	18368.63	85.31	-2.34
669	2013/02/04	22:27:35	27.6764	18365.69	85.38	22:27:45	27.6792	18367.36	85.31	-1.62
670	2013/02/04	22:30:05	27.7181	18364.70	85.38	22:30:15	27.7208	18366.79	85.31	-2.31
671	2013/02/04	22:32:35	27.7597	18363.74	85.38	22:32:45	27.7625	18366.07	85.31	-2.56
672	2013/02/04	22:35:05	27.8014	18363.13	85.38	22:35:15	27.8042	18364.85	85.31	-1.79
673	2013/02/04	22:37:35	27.8431	18361.96	85.38	22:37:45	27.8458	18363.90	85.31	-2.31
674	2013/02/04	22:40:05	27.8847	18361.06	85.39	22:40:15	27.8875	18363.23	85.31	-2.05
675	2013/02/04	22:42:35	27.9264	18359.99	85.39	22:42:45	27.9292	18362.15	85.31	-2.10
676	2013/02/04	22:45:05	27.9681	18359.31	85.39	22:45:15	27.9708	18361.50	85.32	-2.41
677	2013/02/04	22:47:35	28.0097	18358.20	85.39	22:47:45	28.0125	18360.47	85.32	-2.32
678	2013/02/04	22:50:05	28.0514	18357.61	85.39	22:50:15	28.0542	18359.83	85.32	-2.23
679	2013/02/04	22:52:35	28.0931	18356.44	85.39	22:52:45	28.0958	18358.76	85.32	-2.18
680	2013/02/04	22:55:05	28.1347	18355.92	85.39	22:55:15	28.1375	18357.69	85.32	-2.12
681	2013/02/04	22:57:35	28.1764	18354.70	85.39	22:57:45	28.1792	18357.01	85.32	-2.43
682	2013/02/04	23:00:05	28.2181	18353.95	85.39	23:00:15	28.2208	18356.15	85.32	-2.12
683	2013/02/04	23:02:35	28.2597	18353.21	85.39	23:02:45	28.2625	18355.13	85.32	-2.11
684	2013/02/04	23:05:05	28.3014	18352.03	85.39	23:05:15	28.3042	18354.46	85.32	-2.39
685	2013/02/04	23:07:35	28.3431	18351.28	85.39	23:07:45	28.3458	18353.54	85.32	-2.40
686	2013/02/04	23:10:05	28.3847	18350.30	85.39	23:10:15	28.3875	18352.84	85.32	-2.50
687	2013/02/04	23:12:35	28.4264	18349.73	85.39	23:12:45	28.4292	18352.06	85.32	-2.43
688	2013/02/04	23:15:05	28.4681	18348.74	85.39	23:15:15	28.4708	18350.86	85.32	-1.88
689	2013/02/04	23:17:35	28.5097	18348.10	85.40	23:17:45	28.5125	18350.39	85.32	-2.25

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
690	2013/02/04	23:20:05	28.5514	18346.90	85.39	23:20:15	28.5542	18349.31	85.32	-2.44
691	2013/02/04	23:22:35	28.5931	18346.19	85.39	23:22:45	28.5958	18348.58	85.32	-2.66
692	2013/02/04	23:25:05	28.6347	18345.19	85.40	23:25:15	28.6375	18347.64	85.32	-2.50
693	2013/02/04	23:27:35	28.6764	18344.79	85.40	23:27:45	28.6792	18346.88	85.32	-2.08
694	2013/02/04	23:30:05	28.7181	18343.48	85.40	23:30:15	28.7208	18346.00	85.33	-2.61
695	2013/02/04	23:32:35	28.7597	18342.68	85.40	23:32:45	28.7625	18345.01	85.33	-2.27
696	2013/02/04	23:35:05	28.8014	18341.89	85.40	23:35:15	28.8042	18343.83	85.33	-2.03
697	2013/02/04	23:37:35	28.8431	18341.25	85.40	23:37:45	28.8458	18343.63	85.33	-2.64
698	2013/02/04	23:40:05	28.8847	18340.49	85.40	23:40:15	28.8875	18342.80	85.33	-2.27
699	2013/02/04	23:42:35	28.9264	18339.47	85.40	23:42:45	28.9292	18341.80	85.33	-2.43
700	2013/02/04	23:45:05	28.9681	18339.11	85.40	23:45:15	28.9708	18340.84	85.33	-1.93
701	2013/02/04	23:47:35	29.0097	18337.94	85.40	23:47:45	29.0125	18340.40	85.33	-2.37
702	2013/02/04	23:50:05	29.0514	18337.29	85.40	23:50:15	29.0542	18339.55	85.33	-2.03
703	2013/02/04	23:52:35	29.0931	18336.07	85.40	23:52:45	29.0958	18338.70	85.33	-2.60
704	2013/02/04	23:55:05	29.1347	18335.79	85.40	23:55:15	29.1375	18337.65	85.33	-1.85
705	2013/02/04	23:57:35	29.1764	18335.05	85.40	23:57:45	29.1792	18337.06	85.33	-2.18
706	2013/02/05	00:00:05	29.2181	18333.82	85.40	00:00:15	29.2208	18336.39	85.33	-2.66
707	2013/02/05	00:02:35	29.2597	18333.28	85.40	00:02:45	29.2625	18335.59	85.33	-2.27
708	2013/02/05	00:05:05	29.3014	18332.51	85.40	00:05:15	29.3042	18334.58	85.33	-2.17
709	2013/02/05	00:07:35	29.3431	18331.93	85.40	00:07:45	29.3458	18334.04	85.33	-2.19
710	2013/02/05	00:10:05	29.3847	18330.84	85.40	00:10:15	29.3875	18333.15	85.33	-2.35
711	2013/02/05	00:12:35	29.4264	18330.27	85.40	00:12:45	29.4292	18332.21	85.33	-2.03
712	2013/02/05	00:15:05	29.4681	18329.25	85.40	00:15:15	29.4708	18331.70	85.33	-2.45
713	2013/02/05	00:17:35	29.5097	18328.52	85.41	00:17:45	29.5125	18331.02	85.33	-2.34
714	2013/02/05	00:20:05	29.5514	18327.61	85.41	00:20:15	29.5542	18329.72	85.33	-2.25
715	2013/02/05	00:22:35	29.5931	18326.86	85.41	00:22:45	29.5958	18329.15	85.34	-2.45
716	2013/02/05	00:25:05	29.6347	18326.14	85.41	00:25:15	29.6375	18328.42	85.34	-2.34
717	2013/02/05	00:27:35	29.6764	18325.56	85.41	00:27:45	29.6792	18327.93	85.34	-2.19
718	2013/02/05	00:30:05	29.7181	18324.51	85.41	00:30:15	29.7208	18326.91	85.34	-2.45
719	2013/02/05	00:32:35	29.7597	18323.79	85.41	00:32:45	29.7625	18326.09	85.34	-2.19
720	2013/02/05	00:35:05	29.8014	18323.25	85.41	00:35:15	29.8042	18325.30	85.34	-2.23
721	2013/02/05	00:37:35	29.8431	18322.63	85.41	00:37:45	29.8458	18324.52	85.34	-1.82
722	2013/02/05	00:40:05	29.8847	18321.63	85.41	00:40:15	29.8875	18324.08	85.34	-2.40
723	2013/02/05	00:42:35	29.9264	18320.76	85.41	00:42:45	29.9292	18322.86	85.34	-2.42
724	2013/02/05	00:45:05	29.9681	18320.13	85.41	00:45:15	29.9708	18322.21	85.34	-2.33
725	2013/02/05	00:47:35	30.0097	18319.18	85.41	00:47:45	30.0125	18321.70	85.34	-2.53
726	2013/02/05	00:50:05	30.0514	18318.32	85.41	00:50:15	30.0542	18321.15	85.34	-2.81
727	2013/02/05	00:52:35	30.0931	18317.81	85.41	00:52:45	30.0958	18320.14	85.34	-2.58
728	2013/02/05	00:55:05	30.1347	18316.82	85.41	00:55:15	30.1375	18319.45	85.34	-2.65
729	2013/02/05	00:57:35	30.1764	18316.33	85.41	00:57:45	30.1792	18318.45	85.34	-2.37
730	2013/02/05	01:00:05	30.2181	18315.71	85.41	01:00:15	30.2208	18317.87	85.34	-2.33
731	2013/02/05	01:02:35	30.2597	18314.94	85.41	01:02:45	30.2625	18317.12	85.34	-2.08
732	2013/02/05	01:05:05	30.3014	18314.40	85.41	01:05:15	30.3042	18316.64	85.34	-2.20
733	2013/02/05	01:07:35	30.3431	18313.40	85.41	01:07:45	30.3458	18315.66	85.34	-2.32
734	2013/02/05	01:10:05	30.3847	18312.73	85.41	01:10:15	30.3875	18315.14	85.34	-2.28
735	2013/02/05	01:12:35	30.4264	18311.59	85.42	01:12:45	30.4292	18314.30	85.34	-2.67
736	2013/02/05	01:15:05	30.4681	18311.38	85.42	01:15:15	30.4708	18313.43	85.35	-2.18
737	2013/02/05	01:17:35	30.5097	18310.40	85.42	01:17:45	30.5125	18312.67	85.35	-2.17
738	2013/02/05	01:20:05	30.5514	18309.86	85.42	01:20:15	30.5542	18312.05	85.35	-2.23
739	2013/02/05	01:22:35	30.5931	18309.29	85.42	01:22:45	30.5958	18311.16	85.35	-1.75
740	2013/02/05	01:25:05	30.6347	18308.40	85.42	01:25:15	30.6375	18310.40	85.35	-2.09
741	2013/02/05	01:27:35	30.6764	18307.50	85.42	01:27:45	30.6792	18310.22	85.35	-2.49
742	2013/02/05	01:30:05	30.7181	18306.94	85.42	01:30:15	30.7208	18309.21	85.35	-2.24

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
743	2013/02/05	01:32:35	30.7597	18306.48	85.42	01:32:45	30.7625	18308.26	85.35	-1.73
744	2013/02/05	01:35:05	30.8014	18305.62	85.42	01:35:15	30.8042	18307.51	85.35	-1.96
745	2013/02/05	01:37:35	30.8431	18304.78	85.42	01:37:45	30.8458	18307.31	85.35	-2.60
746	2013/02/05	01:40:05	30.8847	18303.75	85.42	01:40:15	30.8875	18306.24	85.35	-2.61
747	2013/02/05	01:42:35	30.9264	18303.35	85.42	01:42:45	30.9292	18305.60	85.35	-2.29
748	2013/02/05	01:45:05	30.9681	18302.41	85.42	01:45:15	30.9708	18304.92	85.35	-2.43
749	2013/02/05	01:47:35	31.0097	18301.72	85.42	01:47:45	31.0125	18304.36	85.35	-2.54
750	2013/02/05	01:50:05	31.0514	18301.32	85.42	01:50:15	31.0542	18303.60	85.35	-2.24
751	2013/02/05	01:52:35	31.0931	18300.31	85.42	01:52:45	31.0958	18302.53	85.35	-2.27
752	2013/02/05	01:55:05	31.1347	18299.48	85.42	01:55:15	31.1375	18301.84	85.35	-2.72
753	2013/02/05	01:57:35	31.1764	18299.20	85.42	01:57:45	31.1792	18301.30	85.35	-2.15
754	2013/02/05	02:00:05	31.2181	18298.20	85.42	02:00:15	31.2208	18300.55	85.35	-2.37
755	2013/02/05	02:02:35	31.2597	18297.74	85.42	02:02:45	31.2625	18300.12	85.35	-2.22
756	2013/02/05	02:05:05	31.3014	18297.32	85.42	02:05:15	31.3042	18299.11	85.35	-1.73
757	2013/02/05	02:07:35	31.3431	18296.14	85.42	02:07:45	31.3458	18298.71	85.36	-2.48
758	2013/02/05	02:10:05	31.3847	18295.70	85.42	02:10:15	31.3875	18298.00	85.35	-2.29
759	2013/02/05	02:12:35	31.4264	18295.18	85.43	02:12:45	31.4292	18297.18	85.35	-2.05
760	2013/02/05	02:15:05	31.4681	18294.25	85.43	02:15:15	31.4708	18296.62	85.35	-2.42
761	2013/02/05	02:17:35	31.5097	18293.69	85.43	02:17:45	31.5125	18295.83	85.36	-2.24
762	2013/02/05	02:20:05	31.5514	18292.81	85.43	02:20:15	31.5542	18295.08	85.36	-2.33
763	2013/02/05	02:22:35	31.5931	18292.30	85.43	02:22:45	31.5958	18294.43	85.36	-2.11
764	2013/02/05	02:25:05	31.6347	18291.64	85.43	02:25:15	31.6375	18293.72	85.36	-2.09
765	2013/02/05	02:27:35	31.6764	18290.77	85.43	02:27:45	31.6792	18293.02	85.36	-2.28
766	2013/02/05	02:30:05	31.7181	18290.01	85.43	02:30:15	31.7208	18292.11	85.36	-2.04
767	2013/02/05	02:32:35	31.7597	18289.38	85.43	02:32:45	31.7625	18291.61	85.36	-2.21
768	2013/02/05	02:35:05	31.8014	18288.61	85.43	02:35:15	31.8042	18290.94	85.36	-2.39
769	2013/02/05	02:37:35	31.8431	18288.18	85.43	02:37:45	31.8458	18290.11	85.36	-1.96
770	2013/02/05	02:40:05	31.8847	18287.53	85.43	02:40:15	31.8875	18289.69	85.36	-2.22
771	2013/02/05	02:42:35	31.9264	18286.70	85.43	02:42:45	31.9292	18288.84	85.36	-2.44
772	2013/02/05	02:45:05	31.9681	18285.80	85.43	02:45:15	31.9708	18288.41	85.36	-2.46
773	2013/02/05	02:47:35	32.0097	18285.69	85.43	02:47:45	32.0125	18287.64	85.36	-2.08
774	2013/02/05	02:50:05	32.0514	18284.93	85.43	02:50:15	32.0542	18286.73	85.36	-1.92
775	2013/02/05	02:52:35	32.0931	18284.04	85.43	02:52:45	32.0958	18286.47	85.36	-2.35
776	2013/02/05	02:55:05	32.1347	18283.14	85.43	02:55:15	32.1375	18285.65	85.36	-2.59
777	2013/02/05	02:57:35	32.1764	18282.93	85.43	02:57:45	32.1792	18285.06	85.36	-2.10
778	2013/02/05	03:00:05	32.2181	18281.92	85.43	03:00:15	32.2208	18284.24	85.36	-2.36
779	2013/02/05	03:02:35	32.2597	18281.72	85.43	03:02:45	32.2625	18283.96	85.36	-2.26
780	2013/02/05	03:05:05	32.3014	18280.88	85.43	03:05:15	32.3042	18282.90	85.36	-1.92
781	2013/02/05	03:07:35	32.3431	18280.28	85.43	03:07:45	32.3458	18282.22	85.36	-1.87
782	2013/02/05	03:10:05	32.3847	18279.45	85.44	03:10:15	32.3875	18281.74	85.36	-2.25
783	2013/02/05	03:12:35	32.4264	18278.86	85.43	03:12:45	32.4292	18281.12	85.36	-2.39
784	2013/02/05	03:15:05	32.4681	18278.33	85.44	03:15:15	32.4708	18280.45	85.36	-2.23
785	2013/02/05	03:17:35	32.5097	18277.26	85.44	03:17:45	32.5125	18280.48	85.37	-2.98
786	2013/02/05	03:20:05	32.5514	18276.66	85.44	03:20:15	32.5542	18279.30	85.37	-2.68
787	2013/02/05	03:22:35	32.5931	18276.07	85.44	03:22:45	32.5958	18278.53	85.37	-2.82
788	2013/02/05	03:25:05	32.6347	18275.46	85.44	03:25:15	32.6375	18278.21	85.37	-2.65
789	2013/02/05	03:27:35	32.6764	18274.90	85.44	03:27:45	32.6792	18277.25	85.37	-2.41
790	2013/02/05	03:30:05	32.7181	18274.42	85.44	03:30:15	32.7208	18276.80	85.37	-2.19
791	2013/02/05	03:32:35	32.7597	18273.64	85.44	03:32:45	32.7625	18275.80	85.37	-2.15
792	2013/02/05	03:35:05	32.8014	18273.12	85.44	03:35:15	32.8042	18275.14	85.37	-2.16
793	2013/02/05	03:37:35	32.8431	18272.34	85.44	03:37:45	32.8458	18274.68	85.37	-2.40
794	2013/02/05	03:40:05	32.8847	18271.98	85.44	03:40:15	32.8875	18274.21	85.37	-2.19
795	2013/02/05	03:42:35	32.9264	18271.17	85.44	03:42:45	32.9292	18273.47	85.37	-2.13

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
796	2013/02/05	03:45:05	32.9681	18270.62	85.44	03:45:15	32.9708	18273.06	85.37	-2.50
797	2013/02/05	03:47:35	33.0097	18270.24	85.44	03:47:45	33.0125	18272.06	85.37	-2.06
798	2013/02/05	03:50:05	33.0514	18269.31	85.44	03:50:15	33.0542	18271.54	85.37	-2.24
799	2013/02/05	03:52:35	33.0931	18268.63	85.44	03:52:45	33.0958	18270.91	85.37	-2.28
800	2013/02/05	03:55:05	33.1347	18268.33	85.44	03:55:15	33.1375	18270.25	85.37	-2.04
801	2013/02/05	03:57:35	33.1764	18267.92	85.44	03:57:45	33.1792	18269.83	85.37	-2.07
802	2013/02/05	04:00:05	33.2181	18267.15	85.44	04:00:15	33.2208	18269.34	85.37	-2.08
803	2013/02/05	04:02:35	33.2597	18266.31	85.44	04:02:45	33.2625	18268.59	85.37	-2.36
804	2013/02/05	04:05:05	33.3014	18266.13	85.44	04:05:15	33.3042	18267.87	85.37	-1.71
805	2013/02/05	04:07:35	33.3431	18265.21	85.44	04:07:45	33.3458	18267.39	85.37	-1.91
806	2013/02/05	04:10:05	33.3847	18264.91	85.44	04:10:15	33.3875	18266.97	85.37	-2.03
807	2013/02/05	04:12:35	33.4264	18264.14	85.44	04:12:45	33.4292	18265.99	85.37	-1.82
808	2013/02/05	04:15:05	33.4681	18263.43	85.44	04:15:15	33.4708	18265.52	85.37	-2.26
809	2013/02/05	04:17:35	33.5097	18262.60	85.44	04:17:45	33.5125	18265.19	85.37	-2.66
810	2013/02/05	04:20:05	33.5514	18262.44	85.44	04:20:15	33.5542	18264.52	85.37	-2.01
811	2013/02/05	04:22:35	33.5931	18261.76	85.44	04:22:45	33.5958	18264.27	85.37	-2.24
812	2013/02/05	04:25:05	33.6347	18261.24	85.44	04:25:15	33.6375	18263.28	85.38	-2.16
813	2013/02/05	04:27:35	33.6764	18260.87	85.45	04:27:45	33.6792	18262.66	85.38	-2.08
814	2013/02/05	04:30:05	33.7181	18260.17	85.45	04:30:15	33.7208	18262.22	85.38	-2.37
815	2013/02/05	04:32:35	33.7597	18259.63	85.45	04:32:45	33.7625	18261.74	85.38	-2.27
816	2013/02/05	04:35:05	33.8014	18259.13	85.45	04:35:15	33.8042	18261.18	85.38	-2.13
817	2013/02/05	04:37:35	33.8431	18258.58	85.45	04:37:45	33.8458	18260.62	85.38	-1.90
818	2013/02/05	04:40:05	33.8847	18257.84	85.45	04:40:15	33.8875	18260.01	85.38	-2.38
819	2013/02/05	04:42:35	33.9264	18257.23	85.45	04:42:45	33.9292	18259.68	85.38	-2.53
820	2013/02/05	04:45:05	33.9681	18256.66	85.45	04:45:15	33.9708	18258.84	85.38	-2.28
821	2013/02/05	04:47:35	34.0097	18256.40	85.45	04:47:45	34.0125	18258.24	85.38	-2.02
822	2013/02/05	04:50:05	34.0514	18255.49	85.45	04:50:15	34.0542	18258.04	85.38	-2.32
823	2013/02/05	04:52:35	34.0931	18255.13	85.45	04:52:45	34.0958	18257.33	85.38	-2.29
824	2013/02/05	04:55:05	34.1347	18254.69	85.45	04:55:15	34.1375	18256.83	85.38	-2.27
825	2013/02/05	04:57:35	34.1764	18254.19	85.45	04:57:45	34.1792	18256.63	85.38	-2.06
826	2013/02/05	05:00:05	34.2181	18253.41	85.45	05:00:15	34.2208	18255.70	85.38	-2.36
827	2013/02/05	05:02:35	34.2597	18252.97	85.45	05:02:45	34.2625	18255.49	85.38	-2.24
828	2013/02/05	05:05:05	34.3014	18252.47	85.45	05:05:15	34.3042	18254.68	85.38	-2.18
829	2013/02/05	05:07:35	34.3431	18251.61	85.45	05:07:45	34.3458	18254.36	85.38	-2.69
830	2013/02/05	05:10:05	34.3847	18251.69	85.45	05:10:15	34.3875	18253.36	85.38	-1.79
831	2013/02/05	05:12:35	34.4264	18251.04	85.45	05:12:45	34.4292	18252.89	85.38	-2.07
832	2013/02/05	05:15:05	34.4681	18250.15	85.45	05:15:15	34.4708	18252.66	85.38	-2.53
833	2013/02/05	05:17:35	34.5097	18249.99	85.45	05:17:45	34.5125	18251.61	85.38	-1.71
834	2013/02/05	05:20:05	34.5514	18249.54	85.45	05:20:15	34.5542	18251.55	85.38	-2.02
835	2013/02/05	05:22:35	34.5931	18248.58	85.45	05:22:45	34.5958	18250.84	85.38	-2.43
836	2013/02/05	05:25:05	34.6347	18248.31	85.45	05:25:15	34.6375	18250.49	85.38	-2.17
837	2013/02/05	05:27:35	34.6764	18247.58	85.45	05:27:45	34.6792	18249.93	85.38	-2.35
838	2013/02/05	05:30:05	34.7181	18247.29	85.45	05:30:15	34.7208	18249.13	85.38	-1.79
839	2013/02/05	05:32:35	34.7597	18246.80	85.45	05:32:45	34.7625	18248.91	85.38	-1.99
840	2013/02/05	05:35:05	34.8014	18246.16	85.46	05:35:15	34.8042	18248.08	85.38	-1.95
841	2013/02/05	05:37:35	34.8431	18245.50	85.45	05:37:45	34.8458	18247.75	85.38	-2.36
842	2013/02/05	05:40:05	34.8847	18244.87	85.46	05:40:15	34.8875	18247.19	85.38	-2.38
843	2013/02/05	05:42:35	34.9264	18244.30	85.45	05:42:45	34.9292	18246.60	85.39	-2.18
844	2013/02/05	05:45:05	34.9681	18243.83	85.46	05:45:15	34.9708	18245.96	85.39	-2.19
845	2013/02/05	05:47:35	35.0097	18243.53	85.46	05:47:45	35.0125	18245.55	85.39	-1.98
846	2013/02/05	05:50:05	35.0514	18242.84	85.46	05:50:15	35.0542	18245.06	85.39	-2.20
847	2013/02/05	05:52:35	35.0931	18242.65	85.46	05:52:45	35.0958	18244.75	85.39	-2.07
848	2013/02/05	05:55:05	35.1347	18241.93	85.46	05:55:15	35.1375	18244.06	85.39	-2.14

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
849	2013/02/05	05:57:35	35.1764	18241.19	85.46	05:57:45	35.1792	18243.48	85.39	-2.27
850	2013/02/05	06:00:05	35.2181	18241.02	85.46	06:00:15	35.2208	18243.13	85.39	-2.19
851	2013/02/05	06:02:35	35.2597	18240.56	85.46	06:02:45	35.2625	18242.58	85.39	-1.94
852	2013/02/05	06:05:05	35.3014	18240.20	85.46	06:05:15	35.3042	18242.44	85.39	-1.95
853	2013/02/05	06:07:35	35.3431	18239.33	85.46	06:07:45	35.3458	18241.36	85.39	-2.05
854	2013/02/05	06:10:05	35.3847	18238.99	85.46	06:10:15	35.3875	18240.85	85.39	-1.74
855	2013/02/05	06:12:35	35.4264	18238.17	85.46	06:12:45	35.4292	18240.20	85.39	-2.12
856	2013/02/05	06:15:05	35.4681	18237.75	85.46	06:15:15	35.4708	18239.64	85.39	-1.99
857	2013/02/05	06:17:35	35.5097	18236.74	85.46	06:17:45	35.5125	18239.27	85.39	-2.72
858	2013/02/05	06:20:05	35.5514	18236.49	85.46	06:20:15	35.5542	18230.03	85.39	2.64
859	2013/02/05	06:22:35	35.5931	18231.86	85.46	06:22:45	35.5958	18234.35	85.39	-2.54
860	2013/02/05	06:25:05	35.6347	18232.58	85.46	06:25:15	35.6375	18234.30	85.39	-2.01
861	2013/02/05	06:27:35	35.6764	18232.50	85.46	06:27:45	35.6792	18234.83	85.39	-2.21
862	2013/02/05	06:30:05	35.7181	18232.32	85.46	06:30:15	35.7208	18234.04	85.39	-1.88
863	2013/02/05	06:32:35	35.7597	18232.14	85.46	06:32:45	35.7625	18234.32	85.39	-2.05
864	2013/02/05	06:35:05	35.8014	18231.96	85.46	06:35:15	35.8042	18233.71	85.39	-1.75
865	2013/02/05	06:37:35	35.8431	18231.40	85.46	06:37:45	35.8458	18233.41	85.39	-2.05
866	2013/02/05	06:40:05	35.8847	18231.07	85.46	06:40:15	35.8875	18233.42	85.39	-2.19
867	2013/02/05	06:42:35	35.9264	18231.09	85.46	06:42:45	35.9292	18232.82	85.39	-1.70
868	2013/02/05	06:45:05	35.9681	18230.30	85.46	06:45:15	35.9708	18232.53	85.39	-2.10
869	2013/02/05	06:47:35	36.0097	18229.77	85.46	06:47:45	36.0125	18232.08	85.39	-2.38
870	2013/02/05	06:50:05	36.0514	18229.40	85.46	06:50:15	36.0542	18231.78	85.39	-2.42
871	2013/02/05	06:52:35	36.0931	18229.20	85.47	06:52:45	36.0958	18231.14	85.39	-1.86
872	2013/02/05	06:55:05	36.1347	18228.85	85.47	06:55:15	36.1375	18230.66	85.39	-2.06
873	2013/02/05	06:57:35	36.1764	18228.30	85.47	06:57:45	36.1792	18230.34	85.39	-2.39
874	2013/02/05	07:00:05	36.2181	18228.05	85.47	07:00:15	36.2208	18230.11	85.39	-2.12
875	2013/02/05	07:02:35	36.2597	18227.46	85.47	07:02:45	36.2625	18229.55	85.39	-2.03
876	2013/02/05	07:05:05	36.3014	18227.11	85.47	07:05:15	36.3042	18229.29	85.39	-2.06
877	2013/02/05	07:07:35	36.3431	18226.57	85.47	07:07:45	36.3458	18228.73	85.40	-2.16
878	2013/02/05	07:10:05	36.3847	18226.12	85.47	07:10:15	36.3875	18228.36	85.40	-2.34
879	2013/02/05	07:12:35	36.4264	18225.81	85.47	07:12:45	36.4292	18227.65	85.40	-1.83
880	2013/02/05	07:15:05	36.4681	18225.28	85.47	07:15:15	36.4708	18227.24	85.40	-1.99
881	2013/02/05	07:17:35	36.5097	18224.69	85.47	07:17:45	36.5125	18226.66	85.40	-2.12
882	2013/02/05	07:20:05	36.5514	18224.41	85.47	07:20:15	36.5542	18225.96	85.40	-1.84
883	2013/02/05	07:22:35	36.5931	18223.46	85.47	07:22:45	36.5958	18225.51	85.40	-2.17
884	2013/02/05	07:25:05	36.6347	18223.54	85.47	07:25:15	36.6375	18225.39	85.40	-1.96
885	2013/02/05	07:27:35	36.6764	18222.61	85.47	07:27:45	36.6792	18224.88	85.40	-2.18
886	2013/02/05	07:30:05	36.7181	18222.57	85.47	07:30:15	36.7208	18224.40	85.40	-1.75
887	2013/02/05	07:32:35	36.7597	18222.01	85.47	07:32:45	36.7625	18224.05	85.40	-2.08
888	2013/02/05	07:35:05	36.8014	18221.48	85.47	07:35:15	36.8042	18223.64	85.40	-2.07
889	2013/02/05	07:37:35	36.8431	18221.40	85.47	07:37:45	36.8458	18222.88	85.40	-1.77
890	2013/02/05	07:40:05	36.8847	18220.76	85.47	07:40:15	36.8875	18222.61	85.40	-2.02
891	2013/02/05	07:42:35	36.9264	18220.52	85.47	07:42:45	36.9292	18222.17	85.40	-1.79
892	2013/02/05	07:45:05	36.9681	18220.07	85.47	07:45:15	36.9708	18221.97	85.40	-1.71
893	2013/02/05	07:47:35	37.0097	18219.32	85.47	07:47:45	37.0125	18221.49	85.40	-2.18
894	2013/02/05	07:50:05	37.0514	18218.60	85.47	07:50:15	37.0542	18221.00	85.40	-2.47
895	2013/02/05	07:52:35	37.0931	18218.33	85.47	07:52:45	37.0958	18220.82	85.40	-2.30
896	2013/02/05	07:55:05	37.1347	18217.87	85.47	07:55:15	37.1375	18219.94	85.40	-2.05
897	2013/02/05	07:57:35	37.1764	18217.46	85.47	07:57:45	37.1792	18219.65	85.40	-2.18
898	2013/02/05	08:00:05	37.2181	18217.24	85.47	08:00:15	37.2208	18219.12	85.40	-1.88
899	2013/02/05	08:02:35	37.2597	18216.72	85.47	08:02:45	37.2625	18219.02	85.40	-2.15
900	2013/02/05	08:05:05	37.3014	18216.34	85.47	08:05:15	37.3042	18218.01	85.40	-1.82
901	2013/02/05	08:07:35	37.3431	18216.03	85.47	08:07:45	37.3458	18217.45	85.40	-1.69

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
902	2013/02/05	08:10:05	37.3847	18215.12	85.47	08:10:15	37.3875	18217.40	85.40	-2.25
903	2013/02/05	08:12:35	37.4264	18214.85	85.47	08:12:45	37.4292	18216.74	85.40	-2.06
904	2013/02/05	08:15:05	37.4681	18214.14	85.48	08:15:15	37.4708	18216.12	85.40	-2.01
905	2013/02/05	08:17:35	37.5097	18213.87	85.47	08:17:45	37.5125	18215.77	85.40	-1.92
906	2013/02/05	08:20:05	37.5514	18212.96	85.47	08:20:15	37.5542	18215.49	85.40	-2.38
907	2013/02/05	08:22:35	37.5931	18212.89	85.48	08:22:45	37.5958	18214.96	85.40	-2.09
908	2013/02/05	08:25:05	37.6347	18212.22	85.48	08:25:15	37.6375	18214.07	85.40	-1.82
909	2013/02/05	08:27:35	37.6764	18211.98	85.48	08:27:45	37.6792	18213.96	85.40	-2.05
910	2013/02/05	08:30:05	37.7181	18211.38	85.48	08:30:15	37.7208	18213.79	85.41	-2.22
911	2013/02/05	08:32:35	37.7597	18210.74	85.48	08:32:45	37.7625	18213.03	85.40	-2.40
912	2013/02/05	08:35:05	37.8014	18210.34	85.48	08:35:15	37.8042	18212.37	85.40	-2.06
913	2013/02/05	08:37:35	37.8431	18209.55	85.48	08:37:45	37.8458	18211.71	85.40	-2.06
914	2013/02/05	08:40:05	37.8847	18209.49	85.48	08:40:15	37.8875	18211.31	85.40	-1.96
915	2013/02/05	08:42:35	37.9264	18208.75	85.48	08:42:45	37.9292	18210.78	85.41	-2.06
916	2013/02/05	08:45:05	37.9681	18208.18	85.48	08:45:15	37.9708	18210.22	85.41	-2.15
917	2013/02/05	08:47:35	38.0097	18207.86	85.48	08:47:45	38.0125	18210.01	85.41	-1.93
918	2013/02/05	08:50:05	38.0514	18207.30	85.48	08:50:15	38.0542	18209.13	85.41	-1.85
919	2013/02/05	08:52:35	38.0931	18206.88	85.48	08:52:45	38.0958	18208.88	85.41	-2.06
920	2013/02/05	08:55:05	38.1347	18205.89	85.48	08:55:15	38.1375	18208.38	85.41	-2.40
921	2013/02/05	08:57:35	38.1764	18206.08	85.48	08:57:45	38.1792	18208.23	85.41	-2.01
922	2013/02/05	09:00:05	38.2181	18205.63	85.48	09:00:15	38.2208	18207.46	85.41	-1.82
923	2013/02/05	09:02:35	38.2597	18205.32	85.48	09:02:45	38.2625	18206.99	85.41	-1.89
924	2013/02/05	09:05:05	38.3014	18204.53	85.48	09:05:15	38.3042	18206.79	85.41	-2.46
925	2013/02/05	09:07:35	38.3431	18204.27	85.48	09:07:45	38.3458	18206.38	85.41	-1.78
926	2013/02/05	09:10:05	38.3847	18203.90	85.48	09:10:15	38.3875	18205.91	85.41	-2.08
927	2013/02/05	09:12:35	38.4264	18203.42	85.48	09:12:45	38.4292	18205.49	85.41	-1.81
928	2013/02/05	09:15:05	38.4681	18202.99	85.48	09:15:15	38.4708	18204.91	85.41	-2.07
929	2013/02/05	09:17:35	38.5097	18202.75	85.48	09:17:45	38.5125	18204.64	85.41	-1.77
930	2013/02/05	09:20:05	38.5514	18202.13	85.48	09:20:15	38.5542	18204.16	85.41	-1.92
931	2013/02/05	09:22:35	38.5931	18201.67	85.48	09:22:45	38.5958	18203.90	85.41	-2.16
932	2013/02/05	09:25:05	38.6347	18201.20	85.48	09:25:15	38.6375	18203.33	85.41	-2.23
933	2013/02/05	09:27:35	38.6764	18200.95	85.48	09:27:45	38.6792	18202.58	85.41	-1.87
934	2013/02/05	09:30:05	38.7181	18200.52	85.48	09:30:15	38.7208	18202.83	85.41	-2.07
935	2013/02/05	09:32:35	38.7597	18200.46	85.48	09:32:45	38.7625	18202.05	85.41	-1.44
936	2013/02/05	09:35:05	38.8014	18199.72	85.48	09:35:15	38.8042	18201.85	85.41	-2.02
937	2013/02/05	09:37:35	38.8431	18199.50	85.48	09:37:45	38.8458	18201.32	85.41	-1.77
938	2013/02/05	09:40:05	38.8847	18002.95	85.47	09:40:15	38.8875	17990.70	85.40	-14.07
939	2013/02/05	09:42:35	38.9264	17868.06	85.47	09:42:45	38.9292	17872.79	85.40	-0.46
940	2013/02/05	09:45:05	38.9681	17921.05	85.47	09:45:15	38.9708	17924.69	85.40	-0.72
941	2013/02/05	09:47:35	39.0097	17953.41	85.47	09:47:45	39.0125	17957.09	85.40	-1.98
942	2013/02/05	09:50:05	39.0514	17975.86	85.47	09:50:15	39.0542	17978.76	85.39	-1.92
943	2013/02/05	09:52:35	39.0931	17993.37	85.47	09:52:45	39.0958	17995.98	85.39	-1.34
944	2013/02/05	09:55:05	39.1347	18008.98	85.47	09:55:15	39.1375	18011.82	85.39	-1.81
945	2013/02/05	09:57:35	39.1764	18022.64	85.47	09:57:45	39.1792	18025.22	85.39	-1.70
946	2013/02/05	10:00:05	39.2181	18035.23	85.47	10:00:15	39.2208	18038.09	85.40	-2.01
947	2013/02/05	10:02:35	39.2597	18047.30	85.47	10:02:45	39.2625	18049.70	85.40	-1.69
948	2013/02/05	10:05:05	39.3014	18057.53	85.47	10:05:15	39.3042	18059.94	85.40	-1.72
949	2013/02/05	10:07:35	39.3431	18066.70	85.47	10:07:45	39.3458	18069.13	85.40	-1.70
950	2013/02/05	10:10:05	39.3847	18075.19	85.48	10:10:15	39.3875	18077.87	85.40	-2.20
951	2013/02/05	10:12:35	39.4264	18082.94	85.48	10:12:45	39.4292	18085.58	85.40	-2.23
952	2013/02/05	10:15:05	39.4681	18089.99	85.48	10:15:15	39.4708	18092.49	85.41	-2.04
953	2013/02/05	10:17:35	39.5097	18096.17	85.48	10:17:45	39.5125	18098.83	85.41	-2.23
954	2013/02/05	10:20:05	39.5514	18102.08	85.48	10:20:15	39.5542	18104.46	85.41	-2.00

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point

Husky Oil Operations Ltd.
300N96500126300
Start Test Date: 2013/02/03
Final Test Date: 2013/02/05

Husky Little Bear N-09
Formation: Frontier
Pool: Frontier
Job Number: 5202-01132

	Gauge 1 Date yyyy/mm/dd	Gauge 1 Clk Time hh:mm:ss	Gauge 1 Time hr	Gauge 1 Pres. kPa(a)	Gauge 1 Temp. °C	Gauge 2 Clk Time hh:mm:ss	Gauge 2 Time hr	Gauge 2 Pres. kPa(a)	Gauge 2 Temp. °C	Diff. G1 - G2 kPa
955	2013/02/05	10:22:35	39.5931	18106.95	85.48	10:22:45	39.5958	18109.38	85.41	-2.17
956	2013/02/05	10:25:05	39.6347	18111.82	85.49	10:25:15	39.6375	18113.94	85.42	-1.88
957	2013/02/05	10:27:35	39.6764	18115.77	85.49	10:27:45	39.6792	18118.02	85.42	-2.12
958	2013/02/05	10:30:05	39.7181	18119.63	85.49	10:30:15	39.7208	18121.64	85.42	-2.02
959	2013/02/05	10:32:35	39.7597	18122.78	85.49	10:32:45	39.7625	18125.11	85.42	-2.11
960	2013/02/05	10:35:05	39.8014	18126.07	85.49	10:35:15	39.8042	18128.24	85.42	-1.95
961	2013/02/05	10:37:35	39.8431	18129.02	85.49	10:37:45	39.8458	18130.88	85.42	-1.64
962	2013/02/05	10:40:05	39.8847	18131.15	85.49	10:40:15	39.8875	18133.29	85.42	-1.90
963	2013/02/05	10:42:35	39.9264	18133.51	85.50	10:42:45	39.9292	18135.73	85.42	-2.18
964	2013/02/05	10:45:05	39.9681	18135.74	85.50	10:45:15	39.9708	18137.75	85.43	-1.82
965	2013/02/05	10:47:35	40.0097	18138.00	85.50	10:47:45	40.0125	18139.61	85.43	-1.75
966	2013/02/05	10:50:05	40.0514	18139.86	85.50	10:50:15	40.0542	18141.77	85.43	-1.92
967	2013/02/05	10:52:35	40.0931	18141.22	85.50	10:52:45	40.0958	18143.68	85.43	-2.33
968	2013/02/05	10:55:05	40.1347	18143.14	85.50	10:55:15	40.1375	18145.38	85.43	-2.14
969	2013/02/05	10:57:35	40.1764	18145.13	85.50	10:57:45	40.1792	18147.00	85.43	-1.80
970	2013/02/05	11:00:05	40.2181	18153.64	85.50	11:00:15	40.2208	18152.49	85.43	2.04
971	2013/02/05	11:02:35	40.2597	18535.10	85.52	11:02:45	40.2625	18536.59	85.45	-3.63
972	2013/02/05	11:05:05	40.3014	18473.99	85.52	11:05:15	40.3042	18474.24	85.45	-2.61
973	2013/02/05	11:07:35	40.3431	18451.41	85.52	11:07:45	40.3458	18455.01	85.45	-0.74
974	2013/02/05	11:10:05	40.3847	18516.34	85.53	11:10:15	40.3875	18520.74	85.46	-0.38
975	2013/02/05	11:12:35	40.4264	18571.85	85.53	11:12:45	40.4292	18575.84	85.46	-0.41
976	2013/02/05	11:15:05	40.4681	18625.12	85.54	11:15:15	40.4708	18629.02	85.47	-0.94
977	2013/02/05	11:17:35	40.5097	18623.17	85.54	11:17:45	40.5125	18623.88	85.47	-3.32
978	2013/02/05	11:20:05	40.5514	17792.74	85.44	11:20:15	40.5542	17638.80	85.36	-128.40
979	2013/02/05	11:22:35	40.5931	13522.21	81.13	11:22:45	40.5958	13353.64	80.88	-121.09
980	2013/02/05	11:25:05	40.6347	9109.66	67.64	11:25:15	40.6375	8925.92	69.16	-116.39
981	2013/02/05	11:27:35	40.6764	4598.83	46.02	11:27:45	40.6792	4432.87	49.30	-87.02
982	2013/02/05	11:30:05	40.7181	4069.51	26.87	11:30:15	40.7208	4047.46	32.07	21.28
983	2013/02/05	11:32:35	40.7597	4051.95	18.01	11:32:45	40.7625	4016.30	22.26	4.65
984	2013/02/05	11:35:05	40.8014	100.02	11.78	11:35:15	40.8042	99.99	14.35	0.01
985	2013/02/05	11:37:35	40.8431	100.00	6.48	11:37:45	40.8458	100.00	7.31	0.01
986	2013/02/05	11:40:05	40.8847	100.01	4.56	11:40:15	40.8875	100.02	4.12	-0.00
987	2013/02/05	11:42:35	40.9264	100.02	3.04	11:42:45	40.9292	100.00	2.53	-0.00
988	2013/02/05	11:45:05	40.9681	100.01	3.36	11:45:15	40.9708	100.02	3.40	0.01
989	2013/02/05	11:47:35	41.0097	100.02	4.18	11:47:45	41.0125	100.00	4.90	-0.00
990	2013/02/05	11:50:05	41.0514	100.02	5.27	11:50:15	41.0542	100.02	6.58	0.01
991	2013/02/05	11:52:35	41.0931	100.01	6.57	11:52:45	41.0958	99.99	8.01	0.01
992	2013/02/05	11:55:05	41.1347	100.00	7.85	11:55:15	41.1375	100.00	9.27	-0.01
993	2013/02/05	11:57:35	41.1764	100.04	9.14	11:57:45	41.1792	100.03	10.44	0.01

Gauge 1 Serial Number: DC1221 Start Date: 2013/02/03 18:47:00 Run Depth: 1780.00
Gauge 2 Serial Number: DC1220 Start Date: 2013/02/03 18:47:00 Run Depth: 1779.72
Print Filter: Print every 15th point



EXTENDED GAS ANALYSIS

V0006708 - 1		463	52136-2013-0546
CONTAINER IDENTITY	METER ID	WELL LICENSE NUMBER	LABORATORY FILE NUMBER
Husky Energy Inc.		1	
OPERATOR		PAGE	
300 N-96500126300	Husky Little Bear N-09	258.80	253.52
LOCATION (UWI)	WELL NAME	KB ELEV (m)	GR ELEV (m)
Norman Wells	Canol Shale	MI Swaco/Silvertip	
FIELD OR AREA	POOL OR ZONE	SAMPLER	

TEST TYPE AND NO. TEST RECOVERY

Meter Run

1726.0 - 1790.0	POINT OF SAMPLE				SAMPLE POINT ID			
	PUMPING	FLOWING		GAS LIFT		SWAB		
	WATER	0.00	m³/d	OIL	0.00	m³/d	GAS	5840

TEST INTERVAL or PERFS (meters)

6.1			@	°C	52	@	22	°C	-10		
SEPARATOR	RESERVOIR	OTHER	CONTAINER WHEN SAMPLED		CONTAINER WHEN RECEIVED				SEPARATOR	OTHER	

at 06:00 hrs

Pressures, kPa (gauge)

Temperatures, °C

2013 02 18	2013 03 14	2013 03 25	MF		@	°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	Trace	Trace	
He	0.0001	0.0001	
N ₂	0.0215	0.0218	
CO ₂	0.0134	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.7907	0.8016	
C ₂	0.1145	0.1160	406.9
C ₃	0.0367	0.0371	134.9
iC ₄	0.0059	0.0060	25.8
C ₄	0.0093	0.0094	39.1
iC ₅	0.0024	0.0024	11.7
C ₅	0.0024	0.0024	11.6
C ₆	0.0017	0.0017	9.2
C ₇₊	0.0014	0.0015	7.9
Total	1.0000	1.0000	647.1

CALCULATED GROSS HEATING VALUE MJ/m³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C	
44.11	44.70	92.3	
MOISTURE FREE		PENTANES PLUS	
CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa MOISTURE FREE AS SAMPLED			
0.865	0.706	20.5	
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS	
CALCULATED PSEUDOCRITICAL PROPERTIES			
AS SAMPLED		ACID GAS FREE	
4604.9	216.2	4567.2	215.0
kPa (abs)	K	kPa (abs)	K
pPc	pTc	pPc	pTc
C ₇₊ PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION
742.2	98.5	0.0000000	Field
DENSITY	MOLECULAR WEIGHT	METHOD	
		Other	
HYDROGEN SULPHIDE			

REMARKS:

H2S was not detected in the field.

Results may be affected by air contamination.

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.



EXTENDED GAS ANALYSIS

V0005507 - 2

CONTAINER IDENTITY

463

WELL LICENSE NUMBER

52136-2013-0546

LABORATORY FILE NUMBER

Husky Energy Inc.

2

OPERATOR

PAGE

300 N-96500126300

LOCATION (UWI)

Husky Little Bear N-09

WELL NAME

258.80

KB ELEV (m)

253.52

GR ELEV (m)

Norman Wells

FIELD OR AREA

Canol Shale

POOL OR ZONE

MI Swaco/Silvertip

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Wellhead

1726.0 - 1790.0	POINT OF SAMPLE				SAMPLE POINT ID			
	PUMPING	FLOWING	GAS LIFT	SWAB				
	WATER	0.01 m ³ /d	OIL	0.72 m ³ /d	GAS	7060	m ³ /d	

TEST INTERVAL or PERFS (meters)

SEPARATOR	RESERVOIR	5080	OTHER	@	°C	4250	@	22	°C	SEPARATOR	OTHER
				CONTAINER	WHEN SAMPLED		CONTAINER	WHEN RECEIVED			

at 09:30 hrs

Pressures, kPa (gauge)

Temperatures, °C

2013 03 05

DATE SAMPLED (Y/M/D)

2013 03 14

DATE RECEIVED (Y/M/D)

2013 03 25

DATE ANALYZED (Y/M/D)

TM

ANALYST

AMT. AND TYPE CUSHION

@ °C

MUD RESISTIVITY

COMPONENT	MOLE FRACTION AIR FREE AS RECEIVED	MOLE FRACTION AIR FREE ACID GAS FREE	mL/m ³ AIR FREE AS RECEIVED
H ₂	Trace	Trace	
He	0.0001	0.0001	
N ₂	0.0056	0.0057	
CO ₂	0.0130	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.8431	0.8542	
C ₂	0.1035	0.1048	367.8
C ₃	0.0250	0.0253	91.9
iC ₄	0.0031	0.0032	13.5
C ₄	0.0047	0.0047	19.8
iC ₅	0.0007	0.0007	3.4
C ₅	0.0007	0.0007	3.4
C ₆	0.0003	0.0004	1.6
C ₇₊	0.0002	0.0002	1.3
Total	1.0000	1.0000	502.7

CALCULATED GROSS HEATING VALUE MJ/m ³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C	
42.35	42.91	105.2	
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS	
CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa MOISTURE FREE AS SAMPLED			
0.807	0.659	19.1	
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS	
CALCULATED PSEUDOCRITICAL PROPERTIES AS SAMPLED			
4638.1	210.3	4601.9	209.1
kPa (abs)	K	kPa (abs)	K
pPc	pTc	pPc	pTc
C ₇₊ PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION
697.2	107.2	0.0000000	Field
DENSITY	MOLECULAR WEIGHT		Other
HYDROGEN SULPHIDE			

REMARKS:

H2S was not detected in the field.

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.



EXTENDED GAS ANALYSIS

B1040 - 2

CONTAINER IDENTITY

METER ID

WELL LICENSE NUMBER

52134-2013-1044

LABORATORY FILE NUMBER

Husky Energy Inc.

OPERATOR

PAGE

300 N096500126301

LOCATION (UWI)

Husky Little Bear N-09

WELL NAME

KB ELEV (m)

GR ELEV (m)

Norman Wells

FIELD OR AREA

Lower Canol

POOL OR ZONE

Core Lab - Edmonton

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

CDS Tool 8909-19

POINT OF SAMPLE

SAMPLE POINT ID

1440 -

PUMPING

FLOWING

GAS LIFT

SWAB

WATER

m³/d

OIL

m³/d

GAS

m³/d

TEST INTERVAL or PERFS (meters)

11416

@

°C

34500

@

22

°C

69.0

SEPARATOR

RESERVOIR

OTHER

CONTAINER

WHEN SAMPLED

CONTAINER

WHEN RECEIVED

SEPARATOR

OTHER

Temperatures, °C

16:40 Hrs

Pressures, kPa (gauge)

2013 03 19

2013 03 27

2013 04 11

RA

@

°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/m ³ AIR FREE AS RECEIVED
H ₂	0.0003	0.0003	
He	0.0001	0.0001	
N ₂	0.0060	0.0061	
CO ₂	0.0109	0.0000	
H ₂ S	0.0000	0.0000	
C ₁	0.8265	0.8356	
C ₂	0.1032	0.1043	366.7
C ₃	0.0318	0.0321	116.9
iC ₄	0.0045	0.0046	19.6
C ₄	0.0071	0.0072	29.9
iC ₅	0.0017	0.0017	8.3
C ₅	0.0020	0.0020	9.7
C ₆	0.0022	0.0022	11.9
C ₇	0.0017	0.0017	9.6
C ₈	0.0011	0.0012	6.6
C ₉	0.0004	0.0004	3.0
C ₁₀	0.0004	0.0004	3.0
C ₁₁	0.0001	0.0001	0.8
C ₁₂₊	Trace	Trace	Trace
Total	1.0000	1.0000	586.0

CALCULATED GROSS HEATING VALUE MJ/m ³ @ 15°C & 101.325 kPa (abs.)		CALCULATED VAPOR PRESSURE kPa (abs.) @ 40 °C	
44.28	44.77	63.8	
MOISTURE FREE	MOISTURE & ACID GAS FREE	PENTANES PLUS	
CALCULATED TOTAL SAMPLE PROPERTIES (AIR=1) @ 15°C & 101.325 kPa MOISTURE FREE AS SAMPLED			
0.843	0.689	19.9	
DENSITY	RELATIVE DENSITY	RELATIVE MOLECULAR MASS	
CALCULATED PSEUDOCRITICAL PROPERTIES AS SAMPLED			
4613.5	214.6	4583.0	213.7
kPa (abs)	K	kPa (abs)	K
pPc	pTc	pPc	pTc
C ₇₊ PROPERTIES @ 15°C & 101.325 kPa		MOLE FRACTION	LOCATION
737.3	107.8	0.0000000	Field
DENSITY	MOLECULAR WEIGHT		Gastec
HYDROGEN SULPHIDE			

AROMATICS	MOLE FRACTION	NAPHTHENES	MOLE FRACTION
Benzene (C7)	0.0001	Cyclopentane (C6)	0.0001
Toluene (C8)	0.0002	Methylcyclopentane (C7)	0.0002
Ethylbenzene (C9)	Trace	Cyclohexane (C7)	0.0002
Xylenes (C9)	Trace	Methylcyclohexane (C8)	0.0003
1,2,4 Trimethylbenzene (C10)	0.0001		

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.



HYDROCARBON LIQUID ANALYSIS

V0006008 - 3		463	52136-2013-0546
CONTAINER IDENTITY	METER ID	WELL LICENSE NUMBER	LABORATORY FILE NUMBER
	Husky Energy Inc.		3
	OPERATOR		PAGE
300 N-96500126300	Husky Little Bear N-09	258.80	253.52
LOCATION (UWI)	WELL NAME	KB ELEV (m)	GR ELEV (m)
Norman Wells	Canol Shale	MI Swaco/Silvertip	
FIELD OR AREA	POOL OR ZONE	SAMPLER	

TEST TYPE AND NO. TEST RECOVERY

Flow Line

1726.0 - 1790.0	POINT OF SAMPLE				SAMPLE POINT ID			
	PUMPING	FLOWING		GAS LIFT		SWAB		
	WATER	0.01	m ³ /d	OIL	0.72	m ³ /d	GAS	6200

TEST INTERVAL or PERFS (meters)

85			@	°C	3999	@	22	°C	3	
SEPARATOR	RESERVOIR	OTHER	CONTAINER WHEN SAMPLED		CONTAINER WHEN RECEIVED				SEPARATOR	OTHER

at 07:00 hrs

Pressures, kPa (gauge)

Temperatures, °C

2013 03 05	2013 03 14	2013 03 22	CR		@	°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	MASS FRACTION	LIQUID VOLUME FRACTION	mL/m ³
N ₂	0.0001	Trace	Trace	0.1
CO ₂	0.0002	0.0001	0.0001	0.5
H ₂ S	0.0000	0.0000	0.0000	0.0
C ₁	0.0014	0.0002	0.0004	3.2
C ₂	0.0088	0.0019	0.0041	31.3
C ₃	0.0330	0.0103	0.0158	121.3
iC ₄	0.0159	0.0066	0.0091	69.4
C ₄	0.0445	0.0184	0.0245	187.2
iC ₅	0.0306	0.0157	0.0195	149.4
C ₅	0.0418	0.0214	0.0264	202.3
C ₆	0.0521	0.0318	0.0371	286.0
C ₇₊	0.7716	0.8936	0.8630	6,604.4
Total	1.0000	1.0000	1.0000	7,655.1

OBSERVED PROPERTIES OF C ₇₊ RESIDUE (15/15°C)		
805.4 kg/m ³	0.8061	44.2
DENSITY	RELATIVE DENSITY	API @ 15.5 °C
163		
RELATIVE MOLECULAR MASS		
CALCULATED PROPERTIES OF TOTAL SAMPLE (15/15°C)		
777.7 kg/m ³	0.7784	50.4
DENSITY	RELATIVE DENSITY	API @ 15.5 °C
140.71		
RELATIVE MOLECULAR MASS		
GAS EQUIVALENT		
0.1307 10 ³ m ³ Gas/m ³ Liquid (E ³ m ³ /m ³)		

REMARKS: Saturation pressure @ 22°C (kPa gauge) < 70
Refer to page 4 for extended analysis.

NOTE: All Properties have been calculated utilizing physical constants.



HYDROCARBON LIQUID ANALYSIS

Operator: Husky Energy Inc.
Well: Husky Little Bear N-09
Sample Point: Flow Line

Page: 4
File: 52136-2013-0546-3-V0006008
Date: 2013 03 22

Analysis of C₆₊ Fraction

Boiling Point: Range (° C)	Component	Carbon Number	Mole Fraction	Mass Fraction	Liq. Vol. Fraction
36.1- 68.9	Hexanes	C ₆	0.0507	0.0329	0.0378
68.9- 98.3	Heptanes	C ₇	0.0426	0.0322	0.0356
98.3-125.6	Octanes	C ₈	0.0446	0.0385	0.0415
125.6-150.6	Nonanes	C ₉	0.0494	0.0478	0.0504
150.6-173.9	Decanes	C ₁₀	0.1075	0.1155	0.1197
173.9-196.1	Undecanes	C ₁₁	0.1106	0.1225	0.1179
196.1-215.0	Dodecanes	C ₁₂	0.0988	0.1201	0.1142
215.0-235.0	Tridecanes	C ₁₃	0.0881	0.1163	0.1091
235.0-252.2	Tetradecanes	C ₁₄	0.0708	0.1016	0.0941
252.2-270.6	Pentadecanes	C ₁₅	0.0491	0.0763	0.0698
270.6-287.8	Hexadecanes	C ₁₆	0.0227	0.0381	0.0346
287.8-302.8	Heptadecanes	C ₁₇	0.0046	0.0082	0.0074
302.8-317.2	Octadecanes	C ₁₈	0.0014	0.0026	0.0023
317.2-330.0	Nonadecanes	C ₁₉	0.0009	0.0019	0.0016
330.0-344.4	Eicosanes	C ₂₀	0.0008	0.0017	0.0015
344.4-357.2	Heneicosanes	C ₂₁	0.0007	0.0015	0.0013
357.2-369.4	Docosanes	C ₂₂	0.0006	0.0014	0.0012
369.4-380.0	Tricosanes	C ₂₃	0.0004	0.0010	0.0009
380.0-391.1	Tetracosanes	C ₂₄	0.0004	0.0010	0.0009
391.1-401.7	Pentacosanes	C ₂₅	0.0003	0.0008	0.0007
401.7-412.2	Hexacosanes	C ₂₆	0.0003	0.0008	0.0007
412.2-422.2	Heptacosanes	C ₂₇	0.0003	0.0008	0.0008
422.2-431.7	Octacosanes	C ₂₈	0.0002	0.0006	0.0006
431.7-441.1	Nonacosanes	C ₂₉	0.0002	0.0006	0.0006
441.1 PLUS	Triacontanes Plus	C ₃₀₊	0.0005	0.0016	0.0014
80.0	Benzene	C ₆ H ₆	0.0031	0.0019	0.0016
110.6	Toluene	C ₇ H ₈	0.0097	0.0068	0.0059
136.1-138.9	Ethylbenzene, p + m-Xylene	C ₈ H ₁₀	0.0147	0.0118	0.0104
144.4	o-Xylene	C ₈ H ₁₀	0.0035	0.0029	0.0024
168.9	1,2,4 Trimethylbenzene	C ₉ H ₁₂	0.0181	0.0165	0.0142
48.9	Cyclopentane	C ₅ H ₁₀	0.0014	0.0007	0.0007
72.2	Methylcyclopentane	C ₆ H ₁₂	0.0058	0.0037	0.0038
81.1	Cyclohexane	C ₆ H ₁₂	0.0063	0.0040	0.0039
101.1	Methylcyclohexane	C ₇ H ₁₄	0.0146	0.0108	0.0106
	TOTAL		0.8237	0.9254	0.9001



HYDROCARBON LIQUID ANALYSIS

V0001817 - 4		463	52136-2013-0546
CONTAINER IDENTITY	METER ID	WELL LICENSE NUMBER	LABORATORY FILE NUMBER
	Husky Energy Inc.		5
	OPERATOR		PAGE
300 N-96500126300	Husky Little Bear N-09	258.80	253.52
LOCATION (UWI)	WELL NAME	KB ELEV (m)	GR ELEV (m)
Norman Wells	Canol Shale	MI Swaco/Silvertip	
FIELD OR AREA	POOL OR ZONE	SAMPLER	

TEST TYPE AND NO.	TEST RECOVERY
-------------------	---------------

Flow Line

1726.0 - 1790.0	POINT OF SAMPLE		SAMPLE POINT ID	
	PUMPING	FLOWING	GAS LIFT	SWAB
	WATER 0.01 m³/d	OIL 0.72 m³/d	GAS m³/d	

TEST INTERVAL or PERFS (meters)

84	@ °C	20 @ 22 °C	0	OTHER
SEPARATOR	RESERVOIR	OTHER	CONTAINER WHEN SAMPLED	CONTAINER WHEN RECEIVED

at 08:15 hrs

Pressures, kPa (gauge)

Temperatures, °C

2013 03 05	2013 03 14	2013 03 25	MF	@ °C
DATE SAMPLED (Y/M/D)	DATE RECEIVED (Y/M/D)	DATE ANALYZED (Y/M/D)	ANALYST	MUD RESISTIVITY

COMPONENT	MOLE FRACTION	MASS FRACTION	LIQUID VOLUME FRACTION	mL/m³
N ₂	Trace	Trace	Trace	Trace
CO ₂	0.0002	0.0001	0.0001	0.5
H ₂ S	0.0000	0.0000	0.0000	0.0
C ₁	0.0009	0.0001	0.0003	2.0
C ₂	0.0095	0.0022	0.0047	33.8
C ₃	0.0423	0.0143	0.0218	155.4
iC ₄	0.0194	0.0086	0.0119	84.7
C ₄	0.0545	0.0242	0.0321	229.3
iC ₅	0.0313	0.0173	0.0214	152.8
C ₅	0.0412	0.0227	0.0279	199.4
C ₆	0.0526	0.0345	0.0401	288.7
C ₇₊	0.7481	0.8760	0.8397	5,997.0
Total	1.0000	1.0000	1.0000	7,143.6

OBSERVED PROPERTIES OF C ₇₊ RESIDUE (15/15°C)		
807.2 kg/m³	0.8079	43.8
DENSITY	RELATIVE DENSITY	API @ 15.5 °C
153		
RELATIVE MOLECULAR MASS		
CALCULATED PROPERTIES OF TOTAL SAMPLE (15/15°C)		
773.9 kg/m³	0.7746	51.3
DENSITY	RELATIVE DENSITY	API @ 15.5 °C
130.74		
RELATIVE MOLECULAR MASS		
GAS EQUIVALENT		
0.1400 10³m³ Gas/m³ Liquid (E³m³/m³)		

REMARKS: Saturation pressure @ 22°C (kPa gauge) < 70
Refer to page 6 for extended analysis.

NOTE: All Properties have been calculated utilizing physical constants.



HYDROCARBON LIQUID ANALYSIS

Operator: Husky Energy Inc.
Well: Husky Little Bear N-09
Sample Point: Flow Line

Page: 5
File: 52136-2013-0546-4-V0001817
Date: 2013 03 25

Analysis of C₆₊ Fraction

Boiling Point: Range (° C)	Component	Carbon Number	Mole Fraction	Mass Fraction	Liq. Vol. Fraction
36.1- 68.9	Hexanes	C ₆	0.0511	0.0340	0.0386
68.9- 98.3	Heptanes	C ₇	0.0430	0.0332	0.0364
98.3-125.6	Octanes	C ₈	0.0448	0.0395	0.0422
125.6-150.6	Nonanes	C ₉	0.0484	0.0479	0.0501
150.6-173.9	Decanes	C ₁₀	0.1042	0.1143	0.1171
173.9-196.1	Undecanes	C ₁₁	0.1073	0.1214	0.1165
196.1-215.0	Dodecanes	C ₁₂	0.0939	0.1165	0.1100
215.0-235.0	Tridecanes	C ₁₃	0.0859	0.1159	0.1079
235.0-252.2	Tetradecanes	C ₁₄	0.0639	0.0936	0.0860
252.2-270.6	Pentadecanes	C ₁₅	0.0527	0.0837	0.0759
270.6-287.8	Hexadecanes	C ₁₆	0.0189	0.0323	0.0291
287.8-302.8	Heptadecanes	C ₁₇	0.0041	0.0075	0.0067
302.8-317.2	Octadecanes	C ₁₈	0.0013	0.0025	0.0022
317.2-330.0	Nonadecanes	C ₁₉	0.0008	0.0016	0.0014
330.0-344.4	Eicosanes	C ₂₀	0.0007	0.0015	0.0013
344.4-357.2	Heneicosanes	C ₂₁	0.0006	0.0013	0.0011
357.2-369.4	Docosanes	C ₂₂	0.0005	0.0012	0.0010
369.4-380.0	Tricosanes	C ₂₃	0.0003	0.0007	0.0007
380.0-391.1	Tetracosanes	C ₂₄	0.0002	0.0005	0.0004
391.1-401.7	Pentacosanes	C ₂₅	0.0002	0.0005	0.0004
401.7-412.2	Hexacosanes	C ₂₆	0.0001	0.0003	0.0002
412.2-422.2	Heptacosanes	C ₂₇	0.0001	0.0003	0.0002
422.2-431.7	Octacosanes	C ₂₈	0.0000	0.0000	0.0000
431.7-441.1	Nonacosanes	C ₂₉	0.0000	0.0000	0.0000
441.1 PLUS	Triacotanes Plus	C ₃₀₊	0.0000	0.0000	0.0000
80.0	Benzene	C ₆ H ₆	0.0032	0.0019	0.0017
110.6	Toluene	C ₇ H ₈	0.0094	0.0067	0.0058
136.1-138.9	Ethylbenzene, p + m-Xylene	C ₈ H ₁₀	0.0146	0.0119	0.0104
144.4	o-Xylene	C ₈ H ₁₀	0.0034	0.0028	0.0024
168.9	1,2,4 Trimethylbenzene	C ₉ H ₁₂	0.0183	0.0169	0.0145
48.9	Cyclopentane	C ₅ H ₁₀	0.0015	0.0008	0.0008
72.2	Methylcyclopentane	C ₆ H ₁₂	0.0060	0.0039	0.0039
81.1	Cyclohexane	C ₆ H ₁₂	0.0066	0.0043	0.0041
101.1	Methylcyclohexane	C ₇ H ₁₄	0.0147	0.0111	0.0108
	TOTAL		0.8007	0.9105	0.8798



HYDROCARBON LIQUID ANALYSIS

B1080 - 1

52134-2013-1044

CONTAINER IDENTITY

METER ID

WELL LICENSE NUMBER

LABORATORY FILE NUMBER

Husky Energy Inc.

OPERATOR

PAGE

300 N096500126301

Husky Little Bear N-09

LOCATION (UWI)

WELL NAME

KB ELEV (m)

GR ELEV (m)

Norman Wells

Lower Canol

Core Lab - Edmonton

FIELD OR AREA

POOL OR ZONE

SAMPLER

TEST TYPE AND NO.

TEST RECOVERY

Tubing

POINT OF SAMPLE

SAMPLE POINT ID

PUMPING

FLOWING

GAS LIFT

SWAB

1700 -

WATER

m³/d

OIL

m³/d

GAS

m³/d

TEST INTERVAL or PERFS (meters)

12942

@

°C

@

°C

SEPARATOR

RESERVOIR

OTHER

CONTAINER
WHEN SAMPLEDCONTAINER
WHEN RECEIVED

SEPARATOR

78.0

OTHER

Temperatures, °C

12:45 Hrs

Pressures, kPa (gauge)

2013 03 19

2013 03 27

2013 04 09

AJ

@

°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	MASS FRACTION	LIQUID VOLUME FRACTION	mL/m ³
N ₂	Trace	Trace	Trace	Trace
CO ₂	0.0049	0.0026	0.0021	11.1
H ₂ S	0.0000	0.0000	0.0000	0.0
C ₁	0.3058	0.0592	0.1335	691.6
C ₂	0.1045	0.0379	0.0717	371.4
C ₃	0.0616	0.0328	0.0437	226.4
iC ₄	0.0142	0.0100	0.0120	62.0
C ₄	0.0290	0.0203	0.0236	122.0
iC ₅	0.0117	0.0102	0.0110	57.1
C ₅	0.0143	0.0125	0.0134	69.2
C ₆₊	0.4540	0.8145	0.6890	3,569.2
Total	1.0000	1.0000	1.0000	5,180.0

OBSERVED PROPERTIES OF C₆₊ RESIDUE (15/15°C)799.7 kg/m³
DENSITY0.8004
RELATIVE DENSITY45.5
API @ 15.5 °C149
RELATIVE MOLECULAR MASS

CALCULATED PROPERTIES OF TOTAL SAMPLE (15/15°C)

676.5 kg/m³
DENSITY0.6771
RELATIVE DENSITY77.7
API @ 15.5 °C82.85
RELATIVE MOLECULAR MASS

GAS EQUIVALENT

0.1930 10³m³ Gas/m³ Liquid (E³m³/m³)

REMARKS: H2S was not detected in the field by Gastec.

NOTE: All Properties have been calculated utilizing physical constants.



HYDROCARBON LIQUID ANALYSIS

Operator: Husky Energy Inc.
Well: Husky Little Bear N-09
Sample Point: Tubing

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Analysis of C₆₊ Fraction

Boiling Point: Range (° C)	Component	Carbon Number	Mole Fraction	Mass Fraction	Liq. Vol. Fraction
36.1- 68.9	Hexanes	C ₆	0.0185	0.0191	0.0191
68.9- 98.3	Heptanes	C ₇	0.0183	0.0220	0.0212
98.3-125.6	Octanes	C ₈	0.0254	0.0348	0.0327
125.6-150.6	Nonanes	C ₉	0.0298	0.0459	0.0420
150.6-173.9	Decanes	C ₁₀	0.0683	0.1166	0.1052
173.9-196.1	Undecanes	C ₁₁	0.0700	0.1240	0.1041
196.1-215.0	Dodecanes	C ₁₂	0.0561	0.1083	0.0896
215.0-235.0	Tridecanes	C ₁₃	0.0498	0.1045	0.0853
235.0-252.2	Tetradecanes	C ₁₄	0.0351	0.0801	0.0646
252.2-270.6	Pentadecanes	C ₁₅	0.0262	0.0648	0.0515
270.6-287.8	Hexadecanes	C ₁₆	0.0098	0.0260	0.0205
287.8-302.8	Heptadecanes	C ₁₇	0.0021	0.0059	0.0046
302.8-317.2	Octadecanes	C ₁₈	0.0008	0.0024	0.0018
317.2-330.0	Nonadecanes	C ₁₉	0.0007	0.0022	0.0017
330.0-344.4	Eicosanes	C ₂₀	0.0005	0.0016	0.0012
344.4-357.2	Heneicosanes	C ₂₁	0.0004	0.0014	0.0011
357.2-369.4	Docosanes	C ₂₂	0.0003	0.0011	0.0008
369.4-380.0	Tricosanes	C ₂₃	0.0003	0.0011	0.0008
380.0-391.1	Tetracosanes	C ₂₄	0.0002	0.0008	0.0007
391.1-401.7	Pentacosanes	C ₂₅	0.0001	0.0004	0.0003
401.7-412.2	Hexacosanes	C ₂₆	0.0001	0.0004	0.0003
412.2-422.2	Heptacosanes	C ₂₇	0.0001	0.0004	0.0003
422.2-431.7	Octacosanes	C ₂₈	0.0000	0.0000	0.0000
431.7-441.1	Nonacosanes	C ₂₉	0.0000	0.0000	0.0000
441.1 PLUS	Triacosanes Plus	C ₃₀₊	0.0000	0.0000	0.0000
80.0	Benzene	C ₆ H ₆	0.0011	0.0011	0.0008
110.6	Toluene	C ₇ H ₈	0.0049	0.0054	0.0041
136.1-138.9	Ethylbenzene, p + m-Xylene	C ₈ H ₁₀	0.0098	0.0125	0.0095
144.4	o-Xylene	C ₈ H ₁₀	0.0022	0.0029	0.0021
168.9	1,2,4 Trimethylbenzene	C ₉ H ₁₂	0.0109	0.0156	0.0118
48.9	Cyclopentane	C ₅ H ₁₀	0.0009	0.0007	0.0006
72.2	Methylcyclopentane	C ₆ H ₁₂	0.0024	0.0024	0.0021
81.1	Cyclohexane	C ₆ H ₁₂	0.0028	0.0029	0.0024
101.1	Methylcyclohexane	C ₇ H ₁₄	0.0061	0.0072	0.0062
	TOTAL		0.4540	0.8145	0.6890
Mole Fraction of C7+					0.4346
Mass Fraction of C7+					0.7947
Liquid Volume Fraction of C7+					0.6693
Calculated Relative Molecular Mass of C7+					151
Calculated Relative Density of C7+					0.8044
Calculated Density of C7+ (kg/m3)					803.7

THEORETICAL K-VALUES

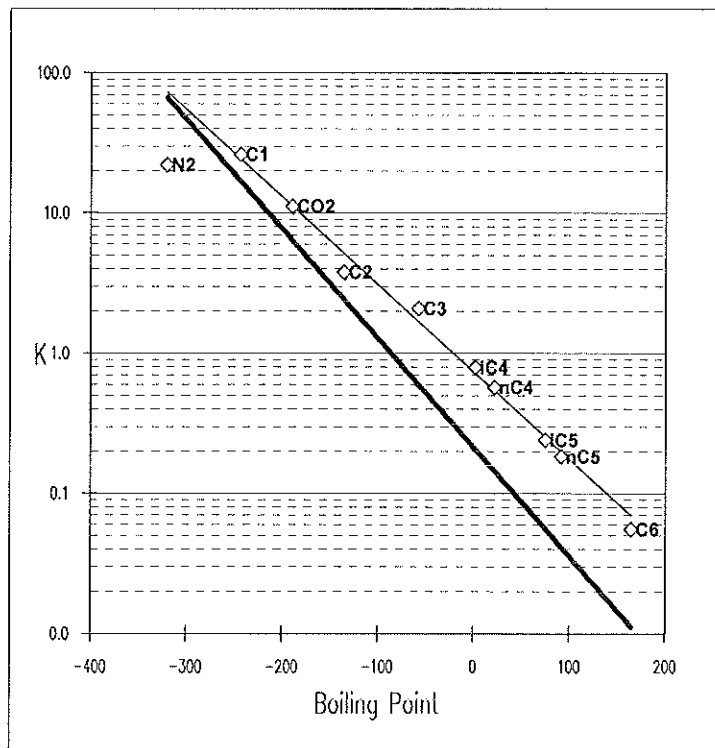
Toolbox

C7+ Average Mole Weight	104.89
Sampling Pressure, psi	119.95
Sampling Temperature, °F	37.4
C2 through C4	11.25
Convergence Pressure, psi	5000

Code Code	Gas Mol %	Liq Mol %	K-Values		
			Th	Lab	Curve
H2S	0.00	0.00	1.550758	0	3.602508
CO2	1.34	0.12	6.388234	11.16667	11.18131
N2	0.66	0.03	66.8221	22	73.14001
C1	71.44	2.73	16.81314	26.1685	24.25046
C2	10.44	2.75	2.42724	3.796364	5.155439
C3	8.97	4.28	0.599872	2.095794	1.685017
iC4	1.40	1.76	0.20839	0.795455	0.723178
nC4	2.89	5.04	0.14562	0.573413	0.542896
iC5	0.86	3.58	0.05633	0.240223	0.253931
nC5	0.96	5.24	0.041537	0.183206	0.199006
C6	0.52	9.35	0.011228	0.055615	0.069877
C7+	0.52	65.12	0.001606	0.007985	
Total	100.00	100.00			

N₂, CO₂ same
value as sep
gas from field.

C₁/C₂ ratio to
make up the
balance





COMPANY Core Laboratories-IRS
WELL Husky Little Bear Various
PROJECT Acid Solubility Analysis

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Acid Solubility

The samples were treated with 15% hydrochloric acid to determine the amount of acid insoluble material remaining after washing with acid. No effervescence observed during dissolution indicates carbonates are likely not present. Hydrogen sulphide gas was not given off during dissolution of any of the samples, indicating that metal sulphides may not be present in the sample.

Results

Well	Sample Description	Acid Solubility at 22°C, wt%	Brief Effervescence	Presence of H ₂ S
Husky Little Bear N-9	Job 120201 Depth: 1697.31m	3.7	No	No
	Job 120201 Depth: 1728.62m	5.2	No	No
	Job 120201 Depth: 1740.78m	1.9	No	No
	Job 120201 Depth: 1747.35m	2.4	No	No
	Job 120201 Depth: 1762.95m	14.9	No	No
	Job 120201 Depth: 1779.04m	12.0	No	No
	Job 120201 Depth: 1789.98m	9.7	No	No
	Job 120201 Depth: 1800.50 m	7.5	No	No
	Job 120201 Depth: 1807.35m	9.4	No	No
	Job 120201 Depth: 1814.67m	4.7	No	No
	Job 120201 Depth: 1826.95m	4.2	No	No



COMPANY Core Laboratories-IRS
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Well	Sample Description	Acid Solubility at 22°C, wt%	Brief Effervescence	Presence of H ₂ S
Husky Little Bear H-64	Job 120277 Depth: 1170.26m	1.8	No	No
	Job 120277 Depth: 1214.64m	4.5	No	No
	Job 120277 Depth: 1226.26m	3.4	No	No
	Job 120277 Depth: 1253.52m	2.2	No	No
	Job 120277 Depth: 1272.26m	14.9	No	No
	Job 120277 Depth: 1276.57m	3.1	No	No
	Job 120277 Depth: 1282.60 m	28.0	No	No
	Job 120277 Depth: 1287.59m	13.7	No	No
	Job 120277 Depth: 1299.11m	4.6	No	No