

**Well Name:** Little Bear N-9**Location:****Spud Date:****Days from Spud:****K.B. Elevation:** 258.00**Ground Elevation:** 253.00**Date:** Jan 27, 2012**Time:** 600 hrs**Rotating Hours:** 0.00 hrs**Depth (MD):** 0.00**Depth (TVD):** 0.00**Depth (SSL):** 258.00**Progress:****Average R.O.P.:** 0.00**Formation:** Surface**Operational Status:** 24:00 Hours: Rig up kelly & rig floor  
06:00 Hours: Rig service

Forecast: Spud and drill 311 surface hole

Temperature: -33C, clear

Lease Condition: Ice &amp; snow covered

**Operational Summary:** Nipple up / down diverter system / rig up prefab on tank and mud system / Rig up kelly & rig floor / Pick up bit, sub 8" collar / Husky hazard hunt / repair problems / rig service**Report From:** Hans Papenhoven**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

**Well Name:** Little Bear N-9**Location:** 7208547.76N, 616900.36E**Spud Date:** Jan 27, 2011 @ 15:30**Days from Spud:** 368**K.B. Elevation:** 258.80**Ground Elevation:** 253.50**Date:** Jan 30, 2012**Time:** 600 hrs**Rotating Hours:** 18.00 hrs**Depth (MD):** 527.00**Depth (TVD):** 526.87**Depth (SSL):** -268.07**Progress:** 276.00**Average R.O.P.:** 15.33**Formation:** Little Bear**Operational Status:** 24:00 Hours: Drill 311mm surface hole at 467m

06:00 Hours: Drill 311mm surface hole at 527m

Forecast: Drill ahead

Weather: Clear - 37C

Lease &amp; Roads: Ice &amp; snow covered

**Operational Summary:** Drill 311mm surface hole from 251m to 521m.**Report From:** Hans Papenhoven**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

Survey 507.68mMD / 1.9 deg / Az 48.1 / TVD 507.56m

WOB: 2.5 / RPM: 40 + Motor / SPM: 2 X 80 0R 2 X 95 / PP: 4000 - 6000 / PO: 1.94 - 2.4

DEN: 1050 - 1160 / VIS: 52 - 56 / pH: 9.0

Well Name: Little Bear N-9  
Location: 7208547.76N, 616900.36E

Spud Date: Jan 27, 2011 @ 15:30  
Days from Spud: 370  
K.B. Elevation: 258.80  
Ground Elevation: 253.50

Date: Feb 1, 2012  
Time: 600 hrs  
Rotating Hours: 0.75 hrs

Depth (MD): 634.00  
Depth (TVD): 633.81  
Depth (SSL): -375.01  
Progress: 0.00  
Average R.O.P.: 0.00

Formation: Little Bear

Operational Status: 24:00 Hours: Rig service  
06:00 Hours: Wait on cement

Forecast: Pressure test

Weather: Clear - 30C  
Lease & Roads: Ice & Snow covered

**Operational Summary:** Ream & clean hole from 604m to 634m / Drill 311mm surface hole from 634m to 639m / Circulate to condition mud & hole / Trip out of hole / Safety meeting with power tong hands / Trip out of hole / Run 48 joints of 244.5mm casing / Shoe set at 639m / Wash last 2 joints to bottom / circulate to condition mud and hole / Cement casing / Lost returns, slowed pump rate to 0.5m3/min / Lost 4 - 5m3 / Displace with 26m3 water, had 19m3 left to pump / Lost returns slowed pump to 0.5m3/min / Got returns with 10m left / Hold pressure and tear out cementers / Wait on cement / Cut casing

**Report From:** Hans Papenhoven  
**Report To:** Wayne Dywer & Gareth Lewis  
**Remarks:**

Extrapolated Survey @ 634.36mMD / 2.21 deg / Az 48.95 / TVD 634.17m

WOB: 6.5 / RPM: 143 / SPM 97 + 101 / PP: 7450 / PO: 2.35

DEN: 1110 - 1125 / VIS: 47 - 85 / pH: 9.0

**Well Name:** Little Bear N-9**Location:** 7208547.76N, 616900.36E**Spud Date:** Jan 27, 2011 @ 15:30**Days from Spud:** 371**K.B. Elevation:** 258.80**Ground Elevation:** 253.50**Date:** Feb 2, 2012**Time:** 600 hrs**Rotating Hours:** 0.00 hrs**Depth (MD):** 639.00**Depth (TVD):** 638.81**Depth (SSL):** -380.01**Progress:** 5.00**Average R.O.P.:** 0.00**Formation:** Little Bear**Operational Status:** 24:00 Hours: Rig up pressure tester

06:00 Hours: Pressure test B.O.P.'s

**Forecast:** Pick up directional tools & run in hole, drill out cement**Weather:** Cloudy -11C, windy**Lease & Roads:** Ice & Snow covered

**Operational Summary:** Wait on cement / Cut casing, let bowl cool / Pressure test casing 7000KPa 10 mintes  
OK / Nipple up B.O.P.'s / Pressure test manifold lines 1400 KPa low & 21000KPa high /  
Rig up to pressure test B.O.P's / Pressure test

**Report From:** Hans Papenhoven**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

**Well Name:** Little Bear N-9**Location:** 7208547.76N, 616900.36E**Spud Date:** Jan 27, 2011 @ 15:30**Days from Spud:** 372**K.B. Elevation:** 258.80**Ground Elevation:** 253.50**Date:** Feb 3, 2012**Time:** 600 hrs**Rotating Hours:** 6.50 hrs**Depth (MD):** 690.00**Depth (TVD):** 689.75**Depth (SSL):** -430.95**Progress:** 51.00**Average R.O.P.:** 7.85**Formation:** Little Bear**Operational Status:** 24:00 Hours: Drill 222mm main hole at 642m

06:00 Hours: Drill 222mm main hole at 690m

**Forecast:** Drill ahead**Weather:** Cloudy 0.0C**Lease & Roads:** Ice & snow covered

**Operational Summary:** Rig up to pressure test / Pressure test B.O.P.'s / Pressure test blind rams, CR, / Install wear bushing / Pick up directional tools, orient bit / Run in hole / Displace to Invert / Drill out cement float & shoe / B.O.P. drill / drill 222mm main hole from 639m to 644m / Circulate hole clean prior to leak off test / Preform leak off test / Drill 222mm main hole from 644m to 690m

**Report From:** Hans Papenhoven CL Sat phone 403-736-0470**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

Survey: 675.0mMD / 2.5 deg / Az 48.4

WOB: 3.0 / RPM: 40 + Motor / SPM: 125 / PP: 8400 / PO: 1.57

DEN: 1100 / VIS: 33

**Well Name:** Little Bear N-9**Location:** 7208547.76N, 616900.36E**Spud Date:** Jan 27, 2011 @ 15:30**Days from Spud:** 375**K.B. Elevation:** 258.80**Ground Elevation:** 253.50**Date:** Feb 6, 2012**Time:** 600 hrs**Rotating Hours:** 18.75 hrs**Depth (MD):** 1,644.00**Depth (TVD):** 1,643.57**Depth (SSL):** -1,384.77**Progress:** 276.00**Average R.O.P.:** 14.72**Formation:** Imperial Formation**Operational Status:** 24:00 Hours: Drill 222mm main hole at 1574m

06:00 Hours: Drill 222mm main hole at 1644M

Forecast: Drill ahead to core point

Weather: Clear -16.8C

Lease &amp; Roads: Ice &amp; snow covered

**Operational Summary:** Drill 222mm main hole from 1368m to 1470m / H2S alarm (equipment failure) / Drill 1470m to 1644m / Safety meeting**Report From:** Hans Papenhoven / Satellite phone # 403-736-0470**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

Survey: 1619.95mMD / 0.90 deg / Az 185.3 / TVD 1619.52m

WOB: 7.0 / RPM: 42 - 43 + Motor / SPM: 114 - 115 / PP: 11000 - 11300 / PO: 1.42 - 1.43

DEN: 1175 - 1200 VIS: 39 - 44

**Well Name:** Little Bear N-9**Location:** 7208547.76N, 616900.36E**Spud Date:** Jan 27, 2011 @ 15:30**Days from Spud:** 377**K.B. Elevation:** 258.80**Ground Elevation:** 253.50**Date:** Feb 8, 2012**Time:** 600 hrs**Rotating Hours:** 7.75 hrs**Depth (MD):** 1,706.00**Depth (TVD):** 1,705.56**Depth (SSL):** -1,446.76**Progress:** 36.00**Average R.O.P.:** 4.65**Formation:** Lower Canol @ 1696mMD / TVD 1695.6m / SL -1436.8m**Operational Status:** 24:00 Hours: Trip out of hole to recover core # 1

06:00 Hours: Make up core Barrel # 2

**Forecast:** Cut core # 2**Weather:** Clear -20.0C**Lease & Roads:** Ice & snow covered**Operational Summary:** Pick up core barrels / run in hole / Slip & cut / Wash from 1632m to 1670m / Tagged bottom, dropped ball / Cut core # 1 from 1670m to 1706m / Circulate bottoms up / Lay down and recover core / Make up core barrel # 2**Report From:** Hans Papenhoven / Satellite phone # 403-736-0470**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

No Surveys

WOB: 3.0 / RPM: 60 / SPM: 97 / PP: 7200 / PO: 1.22

DEN: 1200 / VIS: 44

**Well Name:** Little Bear N-9**Location:** 7208547.76N, 616900.36E**Spud Date:** Jan 27, 2011 @ 15:30**Days from Spud:** 379**K.B. Elevation:** 258.80**Ground Elevation:** 253.50**Date:** Feb 10, 2012**Time:** 600 hrs**Rotating Hours:** 5.00 hrs**Depth (MD):** 1,800.50**Depth (TVD):** 1,800.06**Depth (SSL):** -1,541.26**Progress:** 40.50**Average R.O.P.:** 8.10**Formation:** Lower Canol @ 1696mMD / TVD 1695.6m / SL -1436.8m**Operational Status:** 24:00 Hours: Circulate bottom hole sample

06:00 Hours: Cut core # 3

Forecast: Drill and recover core # 3

Weather: Clear -15C

Lease &amp; Roads: Ice &amp; snow covered

**Operational Summary:** Trip out of hole / Recover core # 2 (cut 54 recovered 54.5m) / Make up core barrel # 3 / Run in hole / Wash from 1741m to 1760m / Drop ball / Circulate bottom hole sample / Cut core # 3 from 1760m to 1800.5m.**Report From:** Hans Papenhoven / Satellite phone # 403-736-0470**Report To:** Wayne Dywer & Gareth Lewis**Remarks:**

WOB: 3.5 / RPM: 45 / SPM: 98 / PP: 9600 / PO: 1.22

DEN: 1250 - 1285 / VIS: 46 - 54