

## **APPENDIX 3D**



**Open House Questionnaire**  
**May 11, 2004**

*8 Questionnaires were filled in at the open house. Results for each question as follows:*

How did you hear about the open house? ☐ Newspaper ☐ Notice from Husky ☐ Other:

*Results: 5/8 Newspaper; 2/8 Notice from Husky; 1/8 Other = Poster in R.M. Britannia Office*

Did the advertisements for the open house provide you with sufficient notice and information regarding the open house? ☐ Yes ☐ No

*Results: 8/8 Yes.*

Did you find the Open House useful and informative? ☐ Yes ☐ No

*Results: 8/8 Yes.*

Did the Husky representatives answer your questions? ☐ Yes ☐ No

*Results: 8/8 Yes.*

Were the visual displays helpful to you? ☐ Yes ☐ No

*Results: 8/8 Yes.*

Did you find the brochures and other documents available to you to be sufficient information? ☐ Yes ☐ No

*Results: 7/8 Yes; the eighth was not answered, comment added instead: "documents not read yet".*

Is there other information you would have like to see available at future Open Houses?

☐ Yes ☐ No. If yes, please provide details:

*Results: 6 /8 No; 1 Yes with comment "video"; 1 unanswered.*

Are there any other Husky projects or operations in the area that you would to comment on? ☐ Yes ☐ No. If yes, please provide details:

*Results: 5/8 No; 2 Yes with the following comments: 1) "Gas well exploration" and 2)"Interested in the drilling projects in the area"; 1 unanswered.*

Are you satisfied with the level of consultation provided by Husky for this project?

☐ Yes ☐ No

*Results: 8/8 Yes.*

Additional Comments:

*5/8 provided no additional comments. 3 did as listed:*

- 1) "I was welcomed in the best possible manner and directed to precisely the appropriate people who were more than helpful";*
- 2) " On a scale of 1-10 in comparison with other company open houses Husky rates at the top"; and*
- 3) "Learned that pipeline will not affect our land in 5-50-27-W3M".*

If you would like more information please provide a detailed description of the information you are looking for and your postal address and telephone number:

*Results: 6/8 did not request more information.*

- 1) Requested copy of the Environmental Protection Plan with the Rare Plant Survey. Requested on the open house questionnaire at the May 11, 2004 Open House, to be sent to:*

*Ms. Tracey Charabin  
Leasing and Sales Agrologist,  
SAFRR  
1192 – 102<sup>nd</sup> Street  
North Battleford, Saskatchewan  
S9A 2Y1*

- 2) C. Nutbrown provided his company contact information. He sells pipe, fittings, valves etc. and may be contacted at:*

*C. Nutbrown  
Box 82  
Neilbure, Saskatchewan  
S0M 2C0  
Email: [CAMNutbrown@Sasktel.net](mailto:CAMNutbrown@Sasktel.net)  
Phone: 1-306-823-4576  
Fax: 780-872-2052*

Your mailing address:

Telephone #:

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Postal Code: 

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Thank you very much for attending our Open House and filling in this questionnaire.  
Please leave your questionnaire at any one of the stations at the open house.

**HUSKY OIL LIMITED**

## **APPENDIX 3E**

**APPENDIX 3E:  
CRITICAL CONTACTS TABLE**

<b>Organisation/ Community</b>	<b>Person to be Contacted/Phone</b>	<b>TIME TO CONTACT</b>	<b>CRITICAL ACTION REQUIRED</b>	<b>Date Action Completed and by Whom</b>
Fisheries & Oceans Canada	Mr. Kurt McCallister Phone #: (403) 292-6593	<b>AT TIME OF CREEK CROSSING</b>	Kurt McCallister would like to be notified at the time of drilling the creek.	
Ministry of Industry and Resources	Mr. Gary Ericson Ph: (306) 825-6436 Fax: (306) 825-6433 Assistant E-mail: <a href="mailto:Shannon.Holman@sem.gov.sk.ca">Shannon.Holman@sem.gov.sk.ca</a>	<b>AT TIME OF BORING</b>	At May 11, 2004 open house, Gary requested contact from Husky during the boring process to provide new staff with training opportunities and exposure to boring activities.	
Saskatchewan Environment	Mr. Graham Mutch Ph: (306) 787-6241 Fax: (306) 787-0930	<b>TIME OF FILING</b>	Put on Application Distribution List	
Highways and Transportation	Mr. Jeff Gatzke  Ph: (306) 933-5805 Fx: (306) 933-5188	<b>AT TIME OF CROSSING HWY 17</b>	Wants to be notified at time of construction for crossing of Highway 17.	
<i>C. Nutbrown</i>	Pipe company <a href="mailto:CAMNutbrown@Sasktel.net">CAMNutbrown@Sasktel.net</a> <i>Phone: 1-306-823-4576</i> <i>Fax: 780-872-2052</i>	<b>Planning Construction</b>	Contact if sales Opportunity arises	
Saskatchewan Agriculture	Ms. Tracey Charabin Phone: (306) 446-7685 Fax: (306) 446-7447	<b>TIME OF FILING</b>	Put on Application Distribution List	

**APPENDIX 3E: BORDER EXPANSION CONSULTATION  
FOLLOW UP TABLE**

\* EES telephone calls were conducted by Fiona Lauridsen (403) 677-2378 in Rosebud, Alberta; some by Jessica Ernst (403) 677-2074 also in Rosebud, Alberta.

\*\*TERA calls were conducted by Jessica Thomas and Gina Fryer in Calgary, Alberta, and Tamara Petter in Edmonton, Alberta.

\*\*\*Husky in person visits were conducted as listed.

Organisation/ Community	Person Contacted	Method of Contact	Date (2004)	CPN Recd	Comments	Action
<b>Newspapers – ads were submitted to the newspapers by Mr. Dennis Floate, Senior Communications Advisor, Husky</b>						
The Lloydminster Meridian Booster	Advertising Dept	EES (ph)* EES (ph)	April 5 May 10		Advertising enquiry Confirmed that ads were run: Apr 28, May 2, 5 & 9	
The Vermilion Standard	Ms. Charlotte Smith	EES (ph) EES (ph)	April 5 May 10		Advertising enquiry Confirmed that ads were run: Apr 27, May 4	
The Maidstone Mirror	Advertising Dept	EES (ph)	May 10		Confirmed that ads were run: Apr 28, May 5	
<b>Federal Contacts</b>						
Canadian Coast Guard, Navigable Waters Protection Division	Mr. Bob Gowe	EES (ph)  EES EES (ph) EES (ph)	April 6  April 22 May 5 May 5	   Yes	Office/personnel confirmation. Office has been relocated  CPN sent by Xpresspost April 22/04 Left message with Margaret Skinner. Returned call to say noticed received and forwarded to Steve Drummond in Edmonton	
Canadian Coast Guard, Navigable Waters Protection Division	Mr. Steve Drummond	EES (ph) EES EES (ph)  TERA**	April 6 April 22 May 5  May 11	   Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported by office staff. Advised that Mr. Drummond will be out of the office until May 17. Letter sent; consultations will continue past application submission	
Canadian Coast Guard, Navigable Waters Protection Division	Mr. Rick McLean	EES (ph)	April 6	CPN not req'd	Reception advised send only to Edmonton office.	CPN sent to Edmonton Office

Organisation/ Community	Person Contacted	Method of Contact	Date (2004)	CPN Recd	Comments	Action
Fisheries & Oceans Canada	Mr. Brian Mackowecki	EES (ph) EES EES (ph)	April 6 April 22 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions.	
Fisheries & Oceans Canada	Mr. Kurt McCallister	EES (ph)  EES (ph)	May 7  May 10	Yes	Kurt McCallister received CPN from Brian Makowecki and called to ask how the creek would be crossed. EES advised that pending geotech work, creek would be directionally drilled, with back-up plan for isolated crossing. Issues are not anticipated as there are no sport fish in creek. He would like to be notified at the time of drilling	Put on critical contact list for Husky
Transport Safety Board of Canada	Mr. John Guerrin  Mr. Greg Hunter  Mr. Terry Burtch	EES (ph)  EES EES (ph) EES (ph) EES (fax)	April 26  April 27 May 5 May 7 May 7	  No Yes	Recommended I send to Mr. Greg Hunter, Communications Dept.  CPN sent Xpresspost April 27/04 to Mr. Greg Hunter Left message to call if any concerns or questions. Called on behalf of Mr. Hunter to say he did not receive. Fax sent to Mr. Burtch	Contact Revised
Canadian Environmental Assessment Agency	Mr. Lanny Coulson   Mr. Tony Epp	EES (ph) EES EES (ph)  EES (ph) EES (ph)  Phoned M. Wyman (Husky)	April 6 April 22 May 5  May 6 May 6  April 28	Yes   Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04. Mr Coulson was absent. CPN forwarded to Mr Epp by Serida, administration assistant. Left message to call if any concerns or questions. Returned call to say no concerns  Tony requested names of the NEB representatives for this project. He did not require the contact phone numbers.	
Canadian Environmental Assessment Agency	Mr. Dan McNaughton	EES (ph) EES EES (ph) EES (ph)	April 6 April 22 May 5 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions. Will contact Melanie Wyman if he has any concerns. Project No. SP 2004 026 for further reference	
Canadian Environmental Assessment Agency	Mr. Larry Lechner	EES (ph) EES EES (ph)	April 6 April 22 May 5		Office/personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions.	

Organisation/ Community	Person Contacted	Method of Contact	Date (2004)	CPN Recd	Comments	Action
Environment Canada Environmental Protection Branch	Mr. Dale Kirkland	EES (ph)  EES EES (ph)	April 6  April 22 May 5	  Yes	Office/personnel confirmation. Advised that Mr. Kirkland is in Ottawa. Office will forward mail. CPN sent by Xpresspost April 22/04 No concerns.	
Environment Canada Environmental Protection	Mr. Fred Zahl	TERA TERA	April 26 May 31		Letter sent with CPN Left message to call if any concerns or questions	
Environment Canada Environmental Protection	Mr. Paul Gregoire	TERA TERA	April 26 May 17	Yes	Letter sent with CPN Phoned; no concerns	
Environment Canada	Mr. Andy Smart	TERA TERA	April 26 May 31		Letter sent with CPN Left message to call if any concerns or questions	
Environment Canada	Mr. Dave Munro	EES (ph) EES EES (ph)	April 5 April 22 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 Will review and send comments to NEB	
Environment Canada	Mr. Girma Sahlu	TERA TERA TERA	April 26 May 12 May 12		Letter sent with CPN Telephone contact, Mr. Sahlu didn't recall receiving letter Letter resent, Mr. Sahlu would call if he had any concerns	
Indian and Northern Affairs Land & Trust Services	Mr. Keith McDonald  Mr. Norm Quail	EES (ph)  EES (ph)  EES EES (ph)	April 5  April 13  April 22 May 5	    Yes	No longer in this position, requested information for new contact. Reception provided information for Mr. Norm Quail. Left message asking for confirmation call. CPN sent by Xpresspost April 22/04 Left message with assistant, Carrie-Anne	Contact updated
Indian and Northern Affairs	Ms. Jackie Conrod	EES (ph) EES EES (ph)	April 5 April 22 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported. Asked us to notify Onion Lake Cree Nation.	
Natural Resources Canada Office of Environmental Affairs	Mr. Iannik Lamirande  Ms. Michelin Turtin	EES (ph)  EES (ph) EES EES (ph) EES (fax)	April 6  April 6 April 22 May 5 May 7 May 7 May 10	  Yes	Changed Department. Replaced by Ms. Michelin Turtin  Office/personnel confirmation CPN sent by Xpresspost April22/04 Left message Did not receive. Requested fax. Sent fax of CPN Requested cover letter as she did not understand what she was meant to do with CPN. Was advised that it was for information and to provide opportunity for feedback.	Contact updated



	Mr. J.P. Croteau	EES (ph)	May 19		Called EES to ask when NEB process will be initiated and to obtain name of contact person at NEB. Advised by J. Ernst to contact Richard Neufeld for contact details and that application would be submitted in June/July 2004.	
Natural Resources Canada Socio-economic Policy and Liason	Mr. Derek Johnson	EES (ph) EES EES (ph)	April 6 April 22 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported	
Health Canada	Ms. Brenda Woo	EES (ph)	April 5		Not in this position. Advised to contact Ms. Sawyer	Contact updated
	Ms Geraldine Sawyer	EES (ph) EES EES (ph)	April 13 April 22 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 Received. Forwarded to Mr. Opel Vuzi	
Health Canada	Mr. Jagtar Sandhu	EES (ph) EES (ph)	April 27 May 5	Yes	CPN sent by Xpresspost April 27/04 Received. Forwarded to Mr. Opel Vuzi	
Health Canada	Mr. Opel Vuzi	EES (ph)	May 6	Yes	Mr. Vuzi reviewed and reported that the pipeline was not in his area. He covers the Frog Lake Reserve and Cold Lake Area.	
Health Canada	Mr. Rick Grabowecky	EES (ph) EES (ph)	April 27 May 5	Yes	EES called to confirm address. CPN sent by Xpresspost April 27/04 Received. Discussed NEB Brochure with him.	No further action req'd
<b>Provincial Contacts (Alberta)</b>						
Alberta MLA	Mr. Lloyd Snelgrove	EES (ph) EES EES (ph)	April 6 April 22 May 6	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported Unable to attend open house.	
Alberta Community Development Historical Sites and Services	Mr. George Chalut	EES (ph) EES EES (ph)	April 6 April 22 May 5	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 No concerns. Forwarded to Mr. Dean Wetzel	
	Mr. Dean Wetzel	EES (ph)	May 5		Left message to call if any concerns or questions.	
Alberta Natural Heritage	Mr. John Rintoul	TERA TERA	April 26 April 28	Yes	Letter Sent with CPN Email received – no rare species occurrences recorded; no concerns	
Alberta Energy and Utilities board	Ms. Phylis Derbyshire	EES (ph)	April 5	No	Retired. Spoke with Mr. Dean McClusky who conducted an internal inquiry to find out who should receive CPN	No notice sent
	Mr Dean McClusky	EES (ph)	April 13		EUB does not require notices any longer.	
Ministry of Sustainable Resource Development Fish & Wildlife	Mr. Brent Markham	EES (ph)	April 6		Not in this position. Advised to contact Mr. Skrenek	Contact updated
	Mr. Jim Skrenek	EES (ph)	April 6		Office/personnel confirmation	

		EES EES (ph)	April 22 May 6		CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions.	
Ministry of Sustainable Resource Development Fish & Wildlife	Mr. Ken Crutchfield	EES (ph) EES EES (ph) EES (ph)	April 6 April 22 May 6 May 6		Office/personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions. Returned call to say he did not remember receiving but would have forwarded. Did not wish to be faxed a copy	
Fish & Wildlife Lloydminster, Alberta	Office Personnel	EES (ph) EES EES (ph)	April 6 April 22 May 6	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported	
Alberta Sustainable Resource Development	Mr. David Moore	TERA TERA	April 26 May 21	Yes	Letter sent with CPN Phoned, no concerns	
Alberta Agriculture Land and Forest Services	Mr. Dave Scott	EES (ph) EES EES (ph) EES (ph)	April 6 April 22 May 6 May 6	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions. No concerns. Only need notice if crown land involved.	
Alberta Environment Regional Services	Mr. Don McCabe	EES (ph) EES EES (ph)	April 6 April 22 May 6		Office/personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions.	
Alberta Environment Regional Services	Mr. Mike Smith	TERA TERA	April 26 May 26		Letter sent with CPN Left message to call if any concerns or questions	
Alberta Transportation	Mr. Chuck McMillan  Mr. Andy Charchun	TERA TERA  TERA	April 26 April 29  May 10	Yes	Letter sent with CPN Email received from Ken Adagala, Surface Engineering and Aggregates Section: no comment; letter was sent to Highway Planning & Design Section. Letter received from Andy Charchun, Assistant Operations Services Coordinator advising that crossing agreements for Highway 17 to be made through the Saskatchewan Ministry of Transportation (See herein). Alberta portion to be reviewed by the County of Vermilion River (See herein).	
Land Reclamation Division, Alberta Dept of Energy	Ms. C.J.C Page  Mr. Mike Huck	EES (ph) EES EES (ph)  EES (ph)  EES (ph)	April 5 April 22 May 6  May 7  May 10	Yes	Office/personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported Received from Ms. Page. Call to EES to inquire if Alberta Oil will be transported through pipeline. Follow-up call by EES. Advised that there are no plans to transport Alberta oil	EES Contacted Husky for answer.

<b>Municipal Contacts</b>						
Village of Dewberry Village of Kitscoty Village of Marwayne Town of Vermilion	General Delivery General Delivery General Delivery Mr. Bob Watt	EES (ph) EES EES (ph)	April 6 April 22 May 6	Yes	Office/Personnel confirmation for all CPN sent by Xpresspost April 22/04 to all  All confirmed received and posted. No concerns reported.	
County of Vermillion River	Ms. Carol Hudson	TERA TERA	April 26 May 31		Letter sent with CPN Left message to call if any concerns or questions	
County of Vermillion River	Mr. Dion Burlock	TERA TERA	April 26 May 31		Letter sent with CPN Left message to call if any concerns or questions	
City of Lloydminster	Mr. Roger Brekko Mr. Tom Lysek Mr. Ken Baker	EES (ph)	April 6 April 22 May 6	Yes	Office/ Personnel confirmation CPN sent by Xpresspost April 22/04  No concerns reported by any	
City of Lloydminster	Mr. Bob Germann	TERA TERA	April 26 May 13	Yes	Letter sent with CPN Called, no concerns; advised excavation permit will be required for road crossings – no other permits required.	
Municipality of Britannia No. 502	Mr. Ken Reiter	TERA TERA	April 26 May 14		Letter sent with CPN Left message to call if any concerns or questions	
Town of Paradise Hill Village of Marshall Town of Maidstone Town of Lashburn	General Delivery	EES (ph) EES EES (ph) EES (fax)	April 6 April 22 May 6 May 6	Yes	Office/personnel confirmation to all CPN sent by Xpresspost April22/04 to all communities Received and posted by all except Maidstone who did not receive and requested fax. Fax sent May 6. Lashburn reported that they will discuss at council meeting on May10 No concerns reported by any.	
<b>Provincial Contacts (Saskatchewan)</b>						
Saskatchewan MLA	Mr. Milt Wakefield	EES (ph) EES EES (ph) EES (ph)	April 6 April 22 May 6 May 10	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions. No concerns reported	
Government Relations and Aboriginal Affairs	Mr. Trent Good	EES (ph) EES EES (ph)	May 6 April 22 May 10	Yes	Left message to call if any concerns or questions. CPN sent by Xpresspost April 22/04 Mr. Good called to ask if Environmental Impact Assessment is conducted provincially or federally. Advised that it is federally regulated. Asked if process involves land titles and sub-division. Advised that it does not. Provided number for J. Ernst if any additional concerns or questions. None reported	

Government Relations and Aboriginal Affairs	Mr. Donovan Young	EES (ph) EES EES (ph)	April 13 April 22 May 6	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported	
Saskatchewan Environment & Resource Management	Mr. Graham Mutch	EES (ph) EES EES (ph) TERA TERA	April 13 April 22 May 6 May 7 May 11	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns. Email received requesting a copy of the ESA when it is complete. Called to request information on water users, contact names and numbers were given to TERA	
Saskatchewan Environment	Mr. Wes Kotyk	EES (ph) EES EES (ph)	April 13 April 22 May 10	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns. Forwarded to project officers	
Saskatchewan Environment	Ms Jennifer Merkowski	TERA TERA	April 26 April 30	Yes	Letter sent with CPN Email rec'd: Tributary to Big Gully Creek is considered non fish bearing stream with no timing restrictions. An Aquatic Habitat Protection Permit will be required for any alteration to the bed, bank or boundary of the watercourse.	
Saskatchewan Environment	Mr. Lorne Sullivan	TERA TERA	April 26 May 21	Yes	Letter sent with CPN Called; no concerns reported.	
Saskatchewan Environment	Mr. Jeff Keith	TERA TERA	April 26 April 29	Yes	Letter sent with CPN Email rec'd advising TERA use the Saskatchewan CDC website to print map for report.	
Fish & Wildlife, Lloydminster, Saskatchewan	Office Personnel  Mr. Rob Granger	EES (ph) EES (ph)  EES (ph) EES (fax)	April 13 May 6  May 10 May 10	   Yes	Office/Personnel confirmation Left message to call if any concerns or questions.  Saw Ad in newspaper Requested Fax of CPN. Fax sent. No concerns.	
Saskatchewan Watershed Authority	Mr. Al Keller	TERA	May 12		Called to determine water users of the Tributary to Big Gully Creek. Al provided the required information.	
Saskatchewan Watershed Authority	Mr. Brian Hauck	TERA	May 11 May 12		Called to determine water wells in vicinity of right-of-way. Brian sent Email with list of water wells.	
Parks Branch	Mr. Zyd Barber	EES (ph) EES EES (ph)	April 13 April 22 May 11	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported. Forwarded to Mr. Lechner of C.E.A.A.	Do not send in future
Ministry of Industry and Resources	Hon. Eric Cline	EES (ph) EES EES (ph)	April 13 April 22 May 6	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported	

Ministry of Industry and Resources	Mr. Gary Ericson	EES (ph) EES EES (ph)	April 13 April 22 May 6		Office/Personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions.	Attended open house. On Critical Contact list
Ministry of Industry and Resources	Mr. Myron Sereda	EES (ph) EES EES (ph)	April 13 April 22 May 6	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported	
Saskatchewan Agriculture	Mr. Greg Haase	TERA TERA	April 26 May 31		Letter sent with CPN Called; Greg advised to send information to Jim Schmidt in the North-west regional office.	
	Mr. Jim Schmidt	TERA	May 31	Yes	Letter sent to Jim Schmidt. Jim called to say he had no concerns.	
Saskatchewan Agriculture	Mr. Howie Bjorge	TERA	April 26		Letter sent with CPN. Mr. Bjorge is no longer employed with SAFRR; the position no longer exists effective April 30. Responsibility passed to Jim Schmidt and Tracey Charabin.	Requested EPP (rare plant info)
	Ms. Tracey Charabin	TERA	May 31 June 1	Yes	Left message to call if any concerns or questions. Tracey phoned to say she had no concerns.	Put on Application Distribution List
Prairie North Regional Health Authority #10	Mr. David Fan	EES (ph) EES EES (ph)	April 13 April 22 May 6	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 No concerns reported	
Public Health Services Lloydminster	General Circulation	EES (ph) EES EES (ph) EES (ph)	April 13 April 22 May 6 May 10	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 22/04 Left message to call if any concerns or questions. Forwarded to Health Inspectors	
Highways and Transportation	Mr. Frank Skilnick	EES (ph) EES EES (ph)	April 13 April 22 May 6		Office/Personnel confirmation CPN sent by Xpresspost April 22/04 Reception did not know if CPN arrived. Sent fax to Mr. Gatzke	
	Mr. Jeff Gatzke	EES (ph)	May 10	Yes	Called to ask how & when Hwy 17 will be crossed. Wants to be notified at time of construction. EES called to advise that Highway 17 would be directionally drilled after conducting geotech work.	EES advised Husky. Put on critical contact list
Highways and Transportation	Mr. Terry Halldorsen	TERA TERA	April 26 May 30	Yes	Letter sent with CPN Called; no concerns reported	
Dept of Culture, Youth and	Mr. John Brandon	EES (ph)	April 13		Office/Personnel confirmation	

Recreation		EES EES (ph) EES (fax)	April 22 May 6 May 6	Yes	CPN sent by Xpresspost April 22/04 Did not receive, requested fax Fax sent. No concerns reported	
<b>Other</b>						
Ducks Unlimited	Mr. Lyle Hauser	TERA TERA	April 26 May 31		Letter sent with CPN Left message to call if any concerns or questions	
Ducks Unlimited	Mr. John Trevor Mr. Bill Chappell	TERA TERA TERA	April 26 May 13 May 13	Yes	Letter sent with CPN Called, John advised that TERA contact Bill Chappell Called; no concerns reported	
<b>Industry Notifications</b>						
CAPP	Mr. Ian Scott	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported by Shireen Simmons, department assistant	
Canadian Natural Resources, Calgary	Mr Steve Lepp	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
CNRL, Lloydminster	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
TransGas	Mr. Vern Gorr	EES (ph) EES EES (ph) EES (ph)	April 23 April 27 May 7 May 19	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Left message to call if any concerns or questions. Called to say both he and John Adams received and have no concerns	
TransGas	Mr John Adams	EES (ph) EES EES (ph) EES (ph)	April 23 April 27 May 7 May 19	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Left message to call if any concerns or questions. No concerns reported by Mr. Gorr	
Heavy Crude Hauling Partnership	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Lloydminster Heavy Crude Services	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Sundown Oil & Gas	General Delivery	EES (ph) EES	April 23 April 27		Office/Personnel confirmation CPN sent by Xpresspost April 27/04	

		EES (ph)	May 7	Yes	No concerns reported	
Flint Energy Service	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Gibson's	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Nexen, Calgary	Surface Land Dept	EES (ph) EES EES (ph) EES (fax)	April 23 April 27 May 7 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Fax requested. Fax sent. No concerns reported	
Nexen, Lloydminster	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Baytex Energy	General Delivery	EES (ph) EES EES (ph) EES (ph)  EES (fax)	April 23 April 27 May 7 June 10  June 10	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Left message to call if any concerns or questions. Left message on voice mail of Mr. Mike Longeway to call if any questions or concerns or if another copy of CPN is required. Called to request fax. Fax sent.	
Bonavista Energy	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Notice posted. No concerns reported	
EnCana Resources	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Devon Canada	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Notice posted. No concerns reported	
Exxonmobil Canada	Surface Land Dept	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Notice posted. No concerns reported	
Murphy oil	Surface Land Dept	EES (ph) EES EES (ph) EES (fax)	April 23 April 27 May 7 May 10	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Left message to call if any concerns or questions. Requested fax. Fax sent. No concerns reported	
Provident	General Delivery	EES (ph) EES	April 23 April 27		Office/Personnel confirmation CPN sent by Xpresspost April 27/04	

		EES (ph)	May 7	Yes	Notice posted. No concerns reported	
Rife Resources	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Notice posted. No concerns reported	
Flint Hills Resources	General Delivery	EES (ph) EES EES (ph) EES (ph)	April 23 April 27 May 7 May 10	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported Forwarded to Jennifer Kuuntz of Koch Exploration	
Plains Marketing (Lloydminster)	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Notice posted. No concerns reported	
CNRL, Lloydminster	General Delivery	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Enbridge	General Delivery	EES (ph) EES EES (ph) EES (ph)  EES (ph)	April 23 April 27 May 7 June 7  June 11		Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Left message to call if any concerns or questions. Left message on voice mail of Mr. Kevin Underhill to call if any questions or concerns or for another copy of CPN if required. Mr. Underhill called to say he received and had no concerns.	
IPF	Mr. Keith Turner	EES (ph) EES EES (ph) EES (ph)	April 23 April 27 May 7 June 7		Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Left message to call if any concerns or questions. Left message to call if he had any questions or concerns or wanted another copy of CPN.	
Terasen	Ms. Patti Mitchell	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns reported	
Talisman Energy	Surface Land Dept	EES (ph) EES EES (ph)	April 23 April 27 May 7	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 27/04 No concerns	
<b>Marketing Managers</b>						
Canadian Natural Resources	Mr. Brian Timmerman	EES EES (ph) EES (ph)	May 6 May 25 June 7 June 10	Yes	CPN sent by Xpresspost May 6 Left message to call if any concerns or questions. Left message to confirm receipt of CPN Retuned call to say he had no concerns	
Husky Energy	Mr. Bryan Each	EES	May 6		CPN sent by Xpresspost May 6	



(Marketing)		EES (ph)	May 25 May 27	Yes	Left message to call if any concerns or questions. Mr. Each met with John Clay, Husky, to discuss purpose of CPN.	
Plains Marketing Canada (Calgary)	Mr. Ron Wunder	EES EES (ph) EES (ph)	May 6 May 25 May 26	Yes	CPN sent by Xpresspost May 6 Left message to call if any concerns or questions. Returned call to say he had no concerns.	
Seminole Canada Energy Company	Mr. Dennis Hansen	EES EES (ph) EES (ph) EES (fax)	May 6 May 25 June 7 June 7	Yes	CPN sent by Xpresspost May 6 Left message to call if any concerns or questions. Was advised to send fax of CPN to Mr. Brent Brown Fax sent with cover note.	
Sempra Energy Trading Corp.	Mr. Brian Guran	EES EES (ph)	May 6 May 25	Yes	CPN sent by Xpresspost May 6 Received. No concerns	
Husky Oil Limited	Mr. Al MacLauchlin	EES EES (ph)	May 6 May 19	Yes	CPN sent by Xpresspost May 6 Patti Holmedel called to find out why we sent out a CPN. EES advised that it was for information and notification purposes.	
Sask Power	Mr. Brian Schiller	EES (ph) EES EES (ph) EES (ph)	April 23 April 27 May 7 May 10		Office/Personnel confirmation CPN sent by Xpresspost April 27/04 Did not answer phone Did not answer phone	
Onion Lake First Nation	General Posting & Chief Wallace Fox  <b><u>PRE-CPN CONSULT</u></b> Glenn Soloy, V.P. Operations Onion Lake Energy Ltd	EES (ph) EES EES (ph)  Husky (John Winton)	April 23 April 23  April 19	Yes	Office/Personnel confirmation CPN sent by Xpresspost April 23/04 No concerns reported  John Winton called the Onion Lake Cree Nation to inform them about the project and discuss any issues or concerns. He was told Onion Lake are available for contracts but not interested in big inch pipe. John Winton provided personal invitation to May 11/04 Open house.	

Landowners and Tenants						
Mr. Doug Hastings (Husky Landman)***		EES	April 28		CPN Sent by Xpresspost April 28/04 For distribution purposes to landowners	
Mr. Garnet Kuehn		Husky EES EES (ph)	April 28 April 28 May 7 Mar 30	Yes	Visited by Gordon Tetz, Husky Landman. CPN Sent by Xpresspost April 28/04 No concerns. Asked what purpose of CPN was. EES explained for notification & information purposes.	
Mr. Jack Hill		Husky EES EES (ph)	Mar 29 April 28 May 7		Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Left message to call if any concerns or questions.	
Mr. Bill Keichinger		Husky EES EES (ph)	Mar 29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Provided more information on open house meeting	
Mr. Larry Leach		Husky EES EES (ph)	Mar 29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Provided more information on open house meeting	
Ms. Pat Larsen		Husky EES EES (ph)	Mar 30 April 28 May 7		Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Left message to call if any concerns or questions.	
Mr. Clancy Hodgeson		Husky EES EES (ph)	Mar 29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 No concerns	
Mr. Bruce Sutherland		Husky EES EES (ph)	Mar 29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Not attending open house	
Mr. Glen Forty		Husky EES EES (ph)	May 12 April 28 May 7		Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Was not available. Spoke with his son who did not know if CPN arrived, was given new address and told not to send another CPN. Mr. Forty was unavailable to come to the phone.	
Mr. Ron Rackham		Husky EES EES (ph)	Mar 29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Provided more information on open house meeting	
Mr. Garnet Weaver		Husky EES EES (ph)	Mar29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Provided more information on open house meeting	

Ms. Lavina Perry		Husky EES EES (ph)	Mar 29 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 Lavina will not be attending open house	
Mr. David Greenaway		Husky EES EES (ph)	April 5 April 28 May 7	Yes	Visited by Doug Hastings CPN Sent by Xpresspost April 28/04 No concerns	
<b>Neighbouring Acreage Owners</b>						
Mr. Gary Chesney		Husky	May 16		Visited by Doug Hastings. Husky brochure provided. No concerns	
Mr. Peter Wieler		Husky	May 17		Visited by Doug Hastings No concerns	
<b>National Energy Board</b>						
National Energy Board	Nancy Dubois, Project team leader	Richard Neufeld  Richard Neufeld	April 29  May 3		Phone call. Will not be attending Open House.  Sent CPN, Map and Open House by mail. Copy sent to Mr. John Clay of Husky Oil Limited	

## **APPENDIX 3F**

**HUSKY OIL LIMITED**  
National Energy Board Pipeline Application  
Lloydminster Border Pipeline Expansion

**CONSULTATION PROGRAM NOTIFICATION (“CPN”)  
INDUSTRY DISTRIBUTION LIST  
April - May 2004**

Mailing of CPN's, schematics and Open House invitations was completed by EES. Follow up calls also completed by EES unless otherwise noted herein or described in the Follow Up Table (Appendix 3E)

**INDUSTRY NOTIFICATION**

Notices were addressed to an individual where noted. Remaining notices were sent to Surface Land Departments where appropriate or for general circulation and posting.

**Canadian Association of Petroleum Producers,**

2100, 350 7<sup>th</sup> Ave. S.W.,  
Calgary, Alberta, T2P 3N9  
Attn: Mr. Ian Scott  
Ph: (403) 267-1132  
Fax: (403) 261-4622

**Canadian Natural Resources Ltd,**

#2500, 855 2<sup>nd</sup> Street S.W.,  
Calgary, Alberta, T2P 4J8  
Attn: Mr Steve Lepp  
Ph: (403) 221-2100  
Fax: (403) 517-7350

**TransGas Limited**

1777 Victoria Ave,  
Regina, Saskatchewan, S4P 4K5  
Attn: Mr. Vern Gorr  
Ph: (306) 777-9556  
Fax: (306) 525-3422

**TransGas Limited,**

Pipeline Storage and Engineering,  
1777 Victoria Ave,  
Regina, Saskatchewan, S4P 4K5  
Attn: Mr. John Adams  
Ph: (306) 777-9556  
Fax: (306) 525-3422

**TRANSPORTATION FIRMS**

**Heavy Crude Hauling Partnership,**

5202 65 Street,  
Lloydminster, Alberta, T9V 2T3  
Ph: (780) 875-5358

**Lloydminster Heavy Crude Services,**  
5203 65 Street,  
Lloydminster, Alberta, T9V 2T3  
Ph: (780) 875-7092

**Sundown Oil and Gas,**  
Box 3229,  
Wainwright, Alberta, T9W 1T2  
Ph: (780) 842-5209

**Flint Energy Services,**  
5701 59<sup>th</sup> Avenue,  
Lloydminster, Alberta, T9V 0V0  
Ph: (780) 875-1885

**Gibson's,**  
5503 63<sup>rd</sup> Avenue,  
Lloydminster, Alberta,  
Ph: (780) 808-2400

## **OIL PRODUCERS**

**Nexen,**  
Box 1217,  
Lloydminster, Saskatchewan, S9V 1G1  
Ph: (780) 871-8700

**Nexen,**  
801 7<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 3P7  
Ph: (403) 699-4000  
Fax: (403) 699-5800

**Baytex Energy,**  
#2200 Bow Valley Square II,  
205 5<sup>th</sup> Avenue S.W.,  
Calgary, Alberta,  
Ph: (403) 269-4282  
Lloydminster Field Ph: (780) 205-0529

**Bonavista Energy,**  
Box 241,  
Lloydminster, Saskatchewan, S9V 0Y2  
Ph: (780) 871-5912 (office is in Alberta)

**EnCana Resources,**  
150 9<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 3H9  
Ph: (403) 645-2000  
Attn: Mr Carl Jensen

**Devon Canada Corp.,**  
5208 62<sup>nd</sup> Street,  
Lloydminster, Alberta, T9V 2E4  
Ph: (780) 875-9837

**HUSKY OIL LIMITED.**  
National Energy Board Pipeline Application  
Lloydminster Border Pipeline Expansion

INDUSTRY NOTIFICATIONS

**Exxonmobil Canada,**  
Box 9,  
Lloydminster, Saskatchewan, S9V 0X9  
Ph: (780) 871-6900 (office is in Alberta)

**Murphy Oil,**  
#2100, 555 4<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 3E7  
Ph: (403) 294-8000

**Provident,**  
Unit 4, 6309 43<sup>rd</sup> Street,  
Lloydminster, Alberta, T9V 2W9  
Ph: (780) 808-6420

**Rife Resources,**  
Box 726,  
Lloydminster, Saskatchewan, S9V 1C1  
Ph: (306) 387-6900

**Flint Hills Resources Ltd.,**  
#1610, 111 5<sup>th</sup> Avenue S.W.  
Calgary, Alberta, T2P 3Y6  
Ph: (403) 716-7600

#### **PIPELINE COMPANIES**

**Plains Marketing In Canada L.P.**  
6603 44 Street,  
Lloydminster, Alberta, T9V 2X1  
Ph: (780) 871-5550

**ECHO,**  
**Canadian Natural Resources Ltd.,**  
6603 44<sup>th</sup> Street,  
Lloydminster, Saskatchewan, S9V 1E9  
Ph: (780) 875-9186

**Enbridge,**  
10201 Jasper Avenue,  
Edmonton, Alberta, T5J 3N7  
Ph: (780) 420-5210

**IPF, Land Dept.,**  
#2600, 237 4<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 0H4  
Attn: Mr Keith Turner  
Ph: (403) 290-6053  
Cell: (403) 660-7559

**Terasen,**  
#2700, 300 5<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 5J2  
Ph: 1-800-535-7219  
Attn: Ms. Patti Mitchell

**HUSKY OIL LIMITED.**  
National Energy Board Pipeline Application  
Lloydminster Border Pipeline Expansion

INDUSTRY NOTIFICATIONS

**Talisman Energy,**  
Box 99,  
Chauvin, Alberta, T0B 0V0  
Ph: (780) 858-6000

#### **MARKETING MANAGERS**

**Canadian Natural Resources Ltd,**  
#2500, 855-2<sup>nd</sup> Street S.W.,  
Calgary, Alberta, T2P 4J8  
Attn: Mr. Brian Timmerman  
Ph: (403) 716-6365

**Husky Energy (Marketing),**  
707-8<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 3G7  
Attn: Mr Bryan Each  
Ph: (403) 298-6751

**Plains Marketing Canada,**  
#1400, 888-3<sup>rd</sup> Street S.W.,  
Calgary, Alberta, T2P 5C5  
Attn: Mr. Ron Wunder  
Ph: (403) 298-2140

**Seminole Canada Energy Company,**  
#100, 530-8<sup>th</sup> Avenue S.W.,  
Calgary, Alberta, T2P 3S8  
Attn: Mr. Dennis Hansen [Mr. Brent Brown has replaced Mr. Hansen. Resent CPN and schematic by Fax]  
Ph: (403) 517-3240

**Sempra Energy Trading Corp.,**  
#2402, 421-7<sup>th</sup> Avenue,  
Calgary, Alberta, T2P 4K9  
Attn: Mr. Brian Guran  
Ph: (403) 750-2467

#### **ADDITIONAL**

**Husky Energy (HLU/HLR),**  
Highway 16 East-Refinery,  
O.C.C. Building,  
Lloydminster, Saskatchewan, S9V 0Z8  
Attn: Mr. Al MacLauchlan  
Ph: (306) 825-1664

**Sask Power**  
4005 52<sup>nd</sup> Street,  
Lloydminster, Saskatchewan, S9V 2B5  
Attn: Mr. Brian Schiller, District Operating Supervisor  
Ph: (306) 825-8644  
Fax: (306) 825-4443

**HUSKY OIL LIMITED.**  
National Energy Board Pipeline Application  
Lloydminster Border Pipeline Expansion

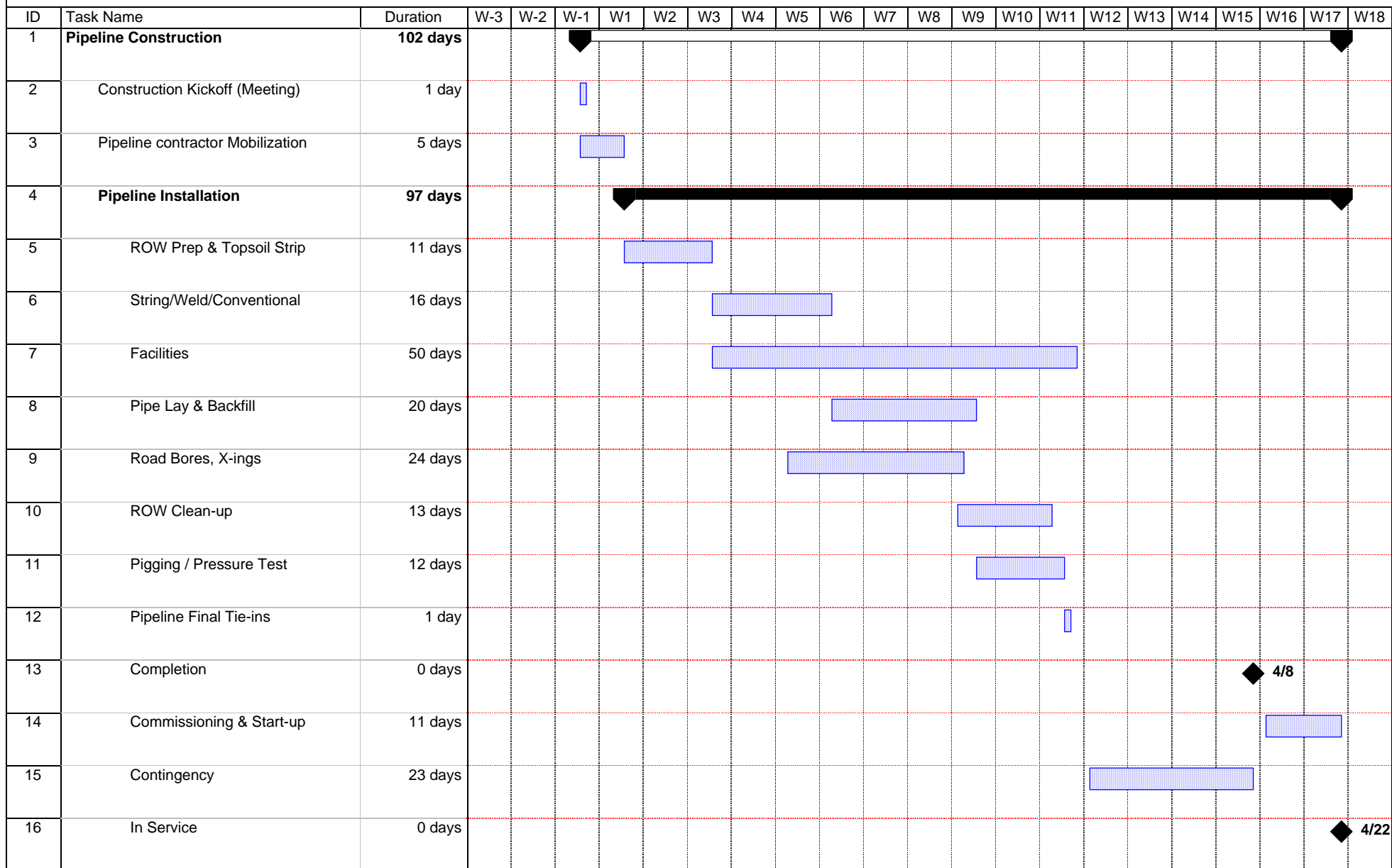
**INDUSTRY NOTIFICATIONS**



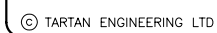
## **APPENDIX 4**

Project:  
Start:  
Finish:  
Status :  
Revision:

# Husky Energy Inc. The Border Crude Oil Pipeline Construction Schedule



## **APPENDIX 5**


[illegible]

ENGINEER



HUSKY LLOYDMINSTER  
BORDER CRUDE OIL PIPELINE  
PIPING & INSTRUMENTATION DIAGRAM

SCALE NTS	PROJECT No. 298803	DWG. No: A1-2988-B-010	REV E
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<div>  <div> <b>GLOBAL BILL OF MATERIAL</b>  <b>Pig Receiver/Launcher/Associated Piping</b> </div> </div>				
Project Name:	Border Crude Oil Pipeline			
Project No.:	298803	Date:	July 7, 2004	
Location:	10-01-50-28 W3M / 14-01-50-01 W4M	Prepared by:	RNS	
Revision:	Preliminary / ISSUED FOR BID	Revision No.:	0	
Item	Description	SPEC	SIZE	QTY
1	FLANGE, RFWN, 600#, SCH 40, A105	CCH	3	2
2	FLANGE, RFWN, 600#, SCH 80, A105	CCH	10	4
3	FLANGE, RFWN, 600#, SCH 80, A105	CCH	20	4
4	FLANGE, RFWN, 600#, SCH STD, CSA Z245.12 GR. 483 CAT. I	CCH	20	10
5	QUICK CLOSURE 600#, SCH 80, A105	CCH	24	2
6	BLIND FLANGE, RF, 600#, A105	CCH	3	2
7	ECC RED, BW, SCH 80xSTD, CSA Z245.11 GR. 483 CAT. I	CCH	24 X 20	1
8	CONC RED, BW, SCH 80xSTD, CSA Z245.11 GR. 483 CAT. I	CCH	24 X 20	1
9	RED TEE, BW, SCH STD, CSA Z245.11 GR. 483 CAT. I	CCH	20 X 16	2
10	RED TEE, BW, SCH 80, A234 GR. WPB	CCH	24 X 10	2
11	TOL, 3000#, A105	CCH	20 X 1	6
12	TOL, 3000#, A105	CCH	24 X 1	4
13	WOL, SCH 80, A105	CCH	24 X 10	2
14	GASKET, RF, 600#, 3mm THK, 304SS SPIRAL WOUND, Flexible Grifite Filler, B16.20	CCH	3	4
15	GASKET, RF, 600#, 3mm THK, 304SS SPIRAL WOUND, Flexible Grifite Filler, B16.20	CCH	10	4
16	GASKET, RF, 600#, 3mm THK, 304SS SPIRAL WOUND, Flexible Grifite Filler, B16.20	CCH	20	12
17	INSULATION KIT, RF, 600# (LINEBACKER STYLE OR EQUIVALENT)	CCH	20	4
18	PLUG, SCRD, HEX HEAD, 3000#, A105	CCH	1	10
19	STUDBOLT 5/8 X 4 1/4 A193 GR. B7M C/W 2 HEX NUTS A194 GR. 2HM	CCH	5/8 X 110	80
20	STUDBOLT 1 1/8 X 7 1/2 A193 GR. B7M C/W 2 HEX NUTS A194 GR. 2HM	CCH	1+1/8 X 200	48
21	STUDBOLT 1 1/4 X 8 1/2 A193 GR. B7M C/W 2 HEX NUTS A194 GR. 2HM	CCH	1+1/4 X 220	128
22	NIPPLE, SMLS, SCH 160, TBE, 100 LG, A106 GR. B TBE	CCH	1 X 100	8
23	PIPE, SMLS, SCH 80, A106 GR. B BE	CCH	16	50.000
24	PIPE, SMLS, SCH 80, A106 GR. B BE	CCH	24	10.000
25	PIPE, SMLS, SCH 80, A106 GR. B BE	CCH	10	6.000
26	ELBOW 90, BW, SCH 80, A234 GR. WPB	CCH	16	2

## **APPENDIX 6**



# ENGINEERING SPECIFICATIONS

## CSA PIPING

**CCH**  
**PS-PF-01**  
Issue: 2002/11/08  
Rev. 0

<b>SERVICE: HYDROCARBON PROCESS (sweet service)</b>		<b>CLASS: 600 (PN100)</b>
TEMPERATURE: -29 to 149°C (-20 to 300°F) Notes 11, 13	CODE: CSA Z662 (0.50 Design Factor ), Category I	RATING: CSA Z245.12
DESIGN PRESSURE: 9 930 kPag (1 440 psig) @ 54°C (130°F) Design pressure derates with temperature per ratings of ASME B16.5	TEST PRESSURE: 13 902 kPag (2 016 psig)	C.A.: 1.6 mm (0.0625 in)
MATERIAL & TESTING: See Husky Specification PS-MW-01 <i>Welding</i>		

### PIPE

NPS	RATING	CONN.	DESCRIPTION	NOTES
1/2 to 1-1/2	Sch 160 Scrd.	Sch 80 for SW only	ASTM A106 Grade B (SMLS) PE	1, 3
2	Sch 80	BW/RF	ASTM A106 Grade B (SMLS) BE	
3	Sch 40	BW/RF	ASTM A106 Grade B (SMLS) BE	
4 to 16	Sch 80	BW/RF	ASTM A106 Grade B (SMLS) BE	

### FITTINGS

ITEM	NPS	RATING	CONN.	DESCRIPTION	NOTES
CAP	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105	3
	3	Sch 40	BW	ASTM A234 Grade WPB	4
	2, 4 to 16	Sch 80	BW	ASTM A234 Grade WPB	4
COUPLING	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105, Full & Half	3
CROSS	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105	3
ELBOW	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105, 45° & 90°	3
	3	Sch 40	LR, BW	ASTM A234 Grade WPB, 45° & 90°, Straight & Reducing	2, 4
	2, 4 to 16	Sch 80	LR, BW	ASTM A234 Grade WPB, 45° & 90°, Straight & Reducing	2, 4
ELBOLET	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105	5
FLANGE	3	Class 600	RFWN	ASTM A105, Bored to Sch 40 Pipe	
	2, 4 to 16	Class 600	RFWN	ASTM A105, Bored to Sch 80 Pipe	
NIPPLE	1/2 to 1-1/2	Sch 160	Scrd	ASTM A106 Grade B (SMLS), 100 mm long min., TBE	
REDUCER	3	Sch 40	BW	ASTM A234 Grade WPB, Concentric/Eccentric	4
	2, 4 to 16	Sch 80	BW	ASTM A234 Grade WPB, Concentric/Eccentric	4
RETURN	3	Sch 40	LR, BW	ASTM A234 Grade WPB	4, 2
	2, 4 to 16	Sch 80	LR, BW	ASTM A234 Grade WPB	4, 2
SOCKOLET	3/4 to 1-1/2	Class 3 000	SW	ASTM A105	5
SWAGE	1/2 to 1-1/2	Sch 160	Scrd or PE	ASTM A105 or A106 (SMLS), Match Pipe & Connection.	6
TEE	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105	3
	3	Sch 40	BW	ASTM A234 Grade WPB, Straight & Reducing	4
	2, 4 to 16	Sch 80	BW	ASTM A234 Grade WPB, Straight & Reducing	4
THREDOLET	3/4 to 1-1/2	Class 3 000	Scrd	ASTM A105	5
UNION	1/2 to 1-1/2	Class 3 000	Scrd/SW	ASTM A105	7
WELDOLET	3	Sch STD	BW	ASTM A105	5
	2, 4 to 6	Sch 80 (XS)	BW	ASTM A105	5

### VALVES – Short Listing see PS-PF-03

ITEM	SIZE	RATING	CONN.	SHORT DESCRIPTION (Note 12)	VALVE IDENTIFICATION NUMBER
BALL	1-1/2 & smaller	Class 800	Scrd	A105 body, Cr. Pltd. trim API 607	VB-2002-W8 Note 11
	2 to 3	Class 600	RF	WCB body, Cr. Pltd. trim to API 607	VB-601-W8 Note 11
	4 to 16	Class 600	RF	WCB body, Cr. Pltd. trim to API 607	VB-631-W8 Note 11



# ENGINEERING SPECIFICATIONS CSA PIPING

**CCH****PS-PF-01**

Issue: 2002/11/08

Rev. 0

<b>SERVICE: HYDROCARBON PROCESS (sweet service)</b>		<b>CLASS: 600 (PN100)</b>
TEMPERATURE: -29 to 149°C (-20 to 300°F) Notes 11, 13	CODE: CSA Z662 (0.50 Design Factor ), Category I	RATING: CSA Z245.12
DESIGN PRESSURE: 9 930 kPag (1 440 psig) @ 54°C (130°F) Design pressure derates with temperature per ratings of ASME B16.5	TEST PRESSURE: 13 902 kPag (2 016 psig)	C.A.: 1.6 mm (0.0625 in)
MATERIAL & TESTING: See Husky Specification PS-MW-01 <i>Welding</i>		

ITEM	SIZE	RATING	CONN.	SHORT DESCRIPTION (Note 12)	VALVE IDENTIFICATION NUMBER
CHECK	1-1/2 & smaller	Class 800	Scrd	A105 body, No. 8 trim to API 602	VC-812 (or 822) -W8
	2 to 16	Class 600	RF	WCB body, No. 8 trim to API 600	VC-601-W8
GATE	1-1/2 & smaller	Class 800	Scrd	A105 body, No. 8 trim to API 602	VG-802-W8
	2 to 16	Class 600	RF	WCB body, No. 8 trim to API 600	VG-611-W8
GLOBE	1-1/2 & smaller	Class 800	Scrd	A105 body, No. 8 trim to API 602	VO-802-W8
	2 to 16	Class 600	RF	WCB body, No. 8 trim to API 600	VO-601-W8
NEEDLE	3/4 x 1/2	Class 6 000	MNPT x FNPT	A105 body & SS trim	VN-6004-W10

## MISCELLANEOUS

ITEM	SIZE	RATING	CONN.	DESCRIPTION	NOTES
BLIND	2 to 16	Class 600	RF	ASTM A516 Grade 70	10
GASKET	2 to 16	Class 600	RF	Spiral wound, 304 SS flexible graphite filler	9
NUTS				ASTM A194 Grade 2H, 2 nuts per stud	
STUD				ASTM A193 Grade B7 with Jet-Lube Moly-Mist Spray Lubricant or equal	
ORIFICE FLANGES	2 to 12	Class 600	RF	ASTM A105, bored to suit c/w 1/2 in taps and jack bolts	8
PLUG	1/2 to 1-1/2	Class 3 000	Scrd	Hex Head, ASTM A105	3
TUBING	1/8 to 1/2 in OD	0.035 in wall	Tube/Scrd	A179 Electrogalv. CS with Swagelok/CPI fittings - Cad. pltd	
ISOLATING FLANGE GASKET KITS	2 to 16	Class 600	RF	PSI Type F Linebacker or equal, G-10/ TEFLON, mylar sleeves, G-10 double washers	13

## NOTES

1	Corrosion allowances for threaded connections are included
2	Short radius elbow and returns shall not be used unless they satisfy the specification of the pipe and pressure rating restrictions imposed by ASME B16.28, Para. 2 (derated to 80% max. allowable stress value)
3	Forged steel fitting to ASME B16.11, Socket Weld (SW) for process GLYCOL piping. Thread Sealant Jet-Lube TF-15 or equal
4	Buttwelding fitting to ASME B16.9
5	Forged C.S. branch outlet fittings to MSS SP-97, consult Branch Connection Chart for extent of application
6	Swage(d) nipples and bull plugs to MSS SP-95
7	Steel pipe unions to MSS SP-83
8	Orifice flanges to ASME B16.36
9	Gaskets to ASME B16.20
10	Blinds ("line blanks") to API Std 590
11	Temperature limitations see Husky Specification DS-PF-03 <i>Guide to Valve Application</i>
12	Acceptable valves designed to ASTM B16.34, CSA Z245.15 or API 6D
13	Isolating kits in G-10 material will limit temperature rating to 138°C (280°F)



## **APPENDIX 7**



Suite #700, 110 - 12th Ave. SW  
Calgary, AB T2B 0G7  
Phone (403) 234-6300  
Facsimile (403) 232-6296  
www.tartaneng.com

**Mechanical Engineering**  
**CSA Z662-99 Steel Pipeline Calculation**

File No.  
**MEF007-298803-005C**

ME.F.007B Page 1 of 1

CSA Z662-99 STEEL PIPELINE CALCULATION

VER 1.2B

PROJECT: Husky Lloydminster SGS Pipeline - FEED portion

**LINE NO:**

Description NPS 20 x 7.7 km (50°C case)  
Endpoints SW 12-50-01 W4M Alta. 2.8 km

**Line No.**

Line\_Des NPS 20 x 7.7 km  
From: NE 01-50-28 W3 Sask. 4.9 km To: SW 12-50-01 W4M Alta. 2.8 km

[HELP](#)

**1.0 Design Conditions:**

Pipeline Design Pressure / M.O.P  
Design Temperature (Maximum operating)  
Design Temperature (Minimum operating)  
Restraint Condition  
Min. Ambient Temp at time of restraint  
Min. Ambient Temperature during Test  
CSA Fluid type  
H2S %  
H2S Partial Pressure  
CSA Sour Service Class  
CO2 %  
CO2 Partial Pressure  
Cl  
Specified Corrosion Allowance

P<sub>d</sub> 9930 kPa 1440.2 psig  
T<sub>d</sub> 50 °C  
T<sub>min</sub> -18 °C  
BC<sub>R</sub> R OK  
T<sub>r</sub> -25 °C  
T<sub>i</sub> -5 °C  
FLUID lvp OK  
H2S 0.0000 % 0.0 mol / kmol 0 ppm  
p<sub>H2S</sub> 0.000 kPa  
SV  
CO2 0.00 %  
p<sub>CO2</sub> 0.00 kPa  
Cl mg/l  
t<sub>ca</sub> 0.50 mm

**2.0 Pipe Material Specifications:**

Pipe Mfg. Standard  
Grade  
Type  
Length  
Size  
O.D.  
W.T.  
Yield Strength (SMYS)  
Notch Toughness  
Z245.1 Standard Charpy Energy  
Specified Additional Charpy Energy  
Threshold Stress for Notch Toughness  
Specified Min. Design Metal Temp MDMT  
Service  
NDE Method  
NDE Inspection Level

SPEC CSA Z245.1 OK  
GR 483 OK  
Type ERW OK  
L 7700 m  
D 20 NPS  
D<sub>o</sub> 508.0 mm  
t 10.31 mm  
S<sub>y</sub> 483 MPa  
CAT 1 OK  
Cv 0.0 J OK  
Cvsp J OK  
PTSV 180.0 Mpa  
T<sub>md</sub> -18 °C OK  
SVC SWEET OK  
NDE RT  
INSP 100 %  
Metallurgy Required:  
Joining Method Jt  
End Prep End  
External Coating ExtC YJ-I  
Internal Coating IntC BARE

**Determination of Design Factors:**

Class Location: 1  
Service lvp  
Location factors:  
General & Cased Crossings Y 1.000  
Roads (uncased) N -  
Railways (uncased) N -  
Stations (Comp, pump, metering etc.) N -  
Other (pipe < 5D from fab assemblies) N -  
Special (enter Custom Factor)

Design Factor F<sub>t</sub> 0.80  
Location Factor F<sub>l</sub> 1.000  
Joint Factor F<sub>j</sub> 1.00  
Temperature factor F<sub>t</sub> 1.00  
Overall Design Factor (on Hoop Stress) F 0.80

**3.0 Stress Calculations:**

Hoop stress at Design Press.  
Allowable Hoop Stress at Design P  
Percent of SMYS at Design Press.

S<sub>H</sub> 257.1 MPa  
S<sub>a</sub> 386.4 MPa  
S<sub>H100</sub> 53.2 %  
Longitudinal Stress (restrained) S<sub>L</sub> -109.2 MPa  
Combined Stress (restrained) S<sub>C</sub> 366.3 MPa  
Max. Allowable Combined Stress (0.9 SMYS) 434.7 MPa  
Percent of combined stress 84.3%

**4.0 Pressure Test**

Test Fluid  
Test Pressure multiplier  
Minimum Test Pressure  
Hoop stress at Test Pressure  
Percent of SMYS at Test Pressure

T fluid W/METH  
N<sub>p</sub> 1.25  
P<sub>test</sub> 12413 kPa OK  
S<sub>HT</sub> 321.4 MPa OK  
S<sub>HT100</sub> 66.5 % OK

**5.0 Pipe Ordering Details**

Specification: 508 mm O.D. x10.31 mm W.T. CSA Z245.1 Gr.483 CAT 1 (-18) SWEET, ERW, , Ext. Coat: YJ-I, Int. Coat: BARE Special:

Purchase Order No.  
Mill Order No.  
Steel Mill  
Heat No.  
Coil No.  
Rolling Mill  
Weight of steel for ordered length  
In-Service Date:  
Remarks

Test Reports Required:  
Chemical Heat Analysis  
Tension Tests  
Guided Bend Tests  
Impact Test  
Hardness Tests  
Other Tests

**6.0 Warnings:**

- 1 OK
- 2 OK
- 3 OK
- 4 OK
- 5 OK
- 6 OK
- 7 OK
- 8 OK
- 9 BLANK
- 10 OK

end

## NEB APPLICATION

### APPENDIX 7 HUSKY OIL LTD. BORDER CRUDE OIL PIPELINE EXPANSION Pipeline Stress Calculations

Diameter	Wall Thickness (corroded)	D/T Ratio (based on nominal wall)	Grade	MOP	Maximum Operating Temp	Minimum Tie in Temp	Hoop Stress	Allowable Hoop Stress	Longit. Stress	Combined Stress	Allowable Combined Stress	Temp Factor	Service
mm	mm		MPa	kPag	°C	°C	% SMYS	%	MPa	MPa	Mpa		
508	9.81	49.3	483	9930	50	-25	53.2	72	-109.2	366.3	434.7	1.0	Non sour

#### Notes:

Purchased wall thickness: 10.31 mm

C.A. = 0.5 mm

Combined Stress Calculations per CSA Z662-03

$S_h - S_L \leq 0.90 S \times T$  where  $S_h$  = hoop stress  
 $S_L$  = longitudinal compression stress  
 $S$  = minimum yield  
 $T$  = temperature factor

$S_L = \nu S_h - E_c \alpha (T_2 - T_1)$  where  $\nu$  = Poisson's ratio (0.3)  
 $E_c$  = modulus of elasticity ( $207 \times 10^3$  Mpa)  
 $\alpha$  = linear coefficient of expansion ( $12 \times 10^{-6}/^\circ\text{C}^{-1}$ )  
 $T_2$  = maximum operating temperature, °C  
 $T_1$  = ambient temperature at time of restraint, °C

## **APPENDIX 8**

## ***PIPELINE EASEMENT***

I (WE) of in the Province of , (hereunder referred to as "the Grantor") being registered as owner of an estate in fee simple, subject, however, to such encumbrances, liens and interests as are set forth in the existing certificate of title, in all that certain tract of land situate in the Province of Alberta, and being composed of:

subject to any exceptions or reservations of mines or minerals appearing on the title, but, in any case excepting thereout all mines and minerals; (hereinafter referred to as the "said Lands").

DO HEREBY, IN CONSIDERATION of the sum of \_\_\_\_\_ (\$ \_\_\_\_\_) Dollars paid or to be paid to the Grantor or others interested in the lands as purchaser, mortgagee, encumbrancee or otherwise (hereinafter referred to as "Other Interested Parties"), and in consideration of the conditions hereinafter mentioned to be observed by:

HUSKY OIL OPERATIONS LIMITED, a body corporate  
incorporated under the laws of the Province  
of Alberta, with registered office at the  
City of Calgary, in the said Province,  
(hereinafter referred to as "the Company")

GRANT, CONVEY AND TRANSFER UNTO the Company, for itself, its employees, agents and contractors, its successors and assigns, the right, licence, liberty, privilege and easement to clear and to use that portion of the said Lands, being a right-of-way 18 metres in width as shown outlined in red, as approximated on a plan or plans of right-of-way attached hereto as Schedule "A", (hereinafter referred to as the "Right-of-Way"), to lay down, construct, operate, maintain, inspect, patrol (including aerial patrol) alter, remove, replace, reconstruct and repair one or more pipelines together with all the works of the Company including but without limiting the generality of the foregoing, all such drips, valves, fittings, meters, cathodic protection equipment and other equipment and appurtenances, whether or not similar to the foregoing, as may be useful or convenient in connection with or incidental to the undertaking of the Company for the carriage, conveyance and transportation of natural and artificial gas, oil and other gaseous or liquid hydrocarbons and any product or by-products thereof (all of which are collectively hereinafter referred to as the "said Works").

The aforesaid rights, licences, liberties, privileges and easements are herein granted for so long hereafter as the Company may desire to exercise same on the following terms, stipulations and conditions which are hereby mutually covenanted and agreed to by and between the Grantor and the Company:

1. The Company shall compensate the Grantor, and/or Other Interested Parties as their respective interests for the time being may appear, for all damage occurring as a result of the construction or operation of the said Works, and without limiting the generality of the foregoing to include all damage done to any crops, pasture, timber, trees, hedges, produce, water wells, artesian springs, livestock, buildings, fences, culverts, bridges, lanes, improvements or equipment on the said Lands, by reason of the exercise of the rights herein granted.
2. In the event that the Company separately constructs an additional pipeline and/or pipelines within the said right-of-way, the Company shall negotiate with the Grantor the amount of compensation payable for any such pipeline and /or pipelines; provided always that the Company may, at the Company's sole discretion, lay more than one pipeline in the same construction operation; and that construction shall not be delayed by the provisions of this Clause.
3. If at any time the Company shall require the Right-of-Way for any of the said Works to be located above ground, the Company shall consult with the Grantor as to the appropriate location of such Works and shall locate such Works, insofar as may be practicable so to do, in such a fashion as to provide a minimum of inconvenience to the Grantor. Upon furnishing to the Grantor a plan of the intended location, the Company shall have the right to fence and use such portions of the Right-of-Way as may in its opinion be required. The Company shall pay to the Grantor and/or Other Interested Parties compensation for any inconvenience caused the Grantor, and for all damage occurring, as a result of fencing any such portion of the Right-of-Way. The Company shall enter into a Surface Lease with the Grantor for all such Surface installations.
4. The Company, insofar as may be practicable so to do, shall bury and maintain all pipe so as not to interfere unreasonably with the ordinary cultivation of the said Lands and shall restore all drains damaged or disturbed according to good drainage practice.
5. It is further agreed that the Company may at any time for whatsoever reason or cause, at its election on notice in writing to the Grantor, terminate this Right-of-Way Agreement and that the same thereafter shall be of no further effect and the Company shall stand relieved of all obligations, other than those accrued to the date of termination; ALWAYS PROVIDED HOWEVER, that upon the termination of this Right-of-Way Agreement, the Company, if this agreement shall then have been registered shall forthwith, at its expense, procure the cancellation of such registration.

6. Upon the abandonment of the said Works and release of all the rights hereby granted, the Company may, at its option, leave and abandon in place any of the said Works which have been buried and will in any event, insofar as may be practicable so to do, restore the surface of the Right-of-Way to the same condition as it was prior to the entry thereon and the use thereof by the Company.
7. Subject always to the rights herein granted, the Grantor shall have the right fully to use and enjoy the said Right-of-Way to the extent that such use does not interfere with the rights herein granted to the Company. Without limiting the generality of the foregoing the Grantor shall not, without the prior written consent of the Company, which consent shall not be unreasonably withheld, excavate, drill, install, erect or permit to be excavated, drilled, installed or erected on or under the said Right-of-Way, any pipe, pit, well, foundation, pavement or other structure or installation or do or permit to be done any mining, quarrying, land levelling or other work or activity of any like or similar nature on, in or under the Right-of-Way.
8. Subject to clause 7, where the Grantor notifies the Company in writing that the Grantor wishes to make a non-recurring agricultural improvement (other than a normal farming operation) which can be practically made to the said Lands, and the cost of making such an improvement is increased by the existence of the said Works, the Company agrees to reimburse to the Grantor the increase in cost making such an improvement which is a direct result of the existence of the said Works. If the Company and the Grantor fail to agree within ninety (90) days of any such notification as to the practicality of making the proposed improvement or the amount of the increase in cost of making any such improvement which is directly a result of the existence of the said Works, then the matters in dispute shall be referred to arbitration as hereinafter provided.
9. Upon the request of the Grantor, the Company shall, insofar as may be practicable so to do, separate and save the topsoil on the Right-of-Way prior to construction and then replace it following construction.
10. If the Grantor and the Company cannot agree on the amount of compensation for damage to be paid pursuant to clause 1, the market value of the right-of-Way actually required in construction of an additional pipeline as referred to in clause 2, any amount to be paid pursuant to clause 3, or matters referred to in clause 8, the matter or matters at issue shall be submitted to and determined by three (3) disinterested arbitrators, one to be appointed by the Grantor, one by the Company and the third by the two arbitrators so appointed, and any decision of any two of such three arbitrators shall be final and conclusive, PROVIDED that in all respects, the provisions of the Arbitration Act of the Province of Alberta, as amended from time to time, shall apply. The costs of and incidental to any arbitration are to be determined and awarded as the arbitrators may, in their sole discretion, decide.
11. The Company shall pay all rates and taxes that may be assessed and levied from time to time against the said Works, its interest in the said Lands or in connection with its operations thereon.
12. The Company, upon performing and observing the terms and conditions on its part to be performed and observed, shall and may peaceably hold and enjoy the rights, licences, liberties, privileges and easements hereby granted without hindrance, molestation or interruption on the part of the Grantor or of any person, firm or corporation claiming by, through or under the Grantor.
13. This Right-of-Way Agreement may be assigned by the Company in whole or in part as to all or any portion of the rights, licences, liberties, privileges and easements hereby granted, transferred and conveyed.
14. The Company covenants and agrees to indemnify and save harmless the Grantor from any and all liabilities, damages, costs, claims, suits or actions arising by reason of the exercise of the rights herein granted to the Company save and except liabilities, damages, costs, claims, suits or actions arising through the gross negligence or wilful misconduct of the Grantor. Notwithstanding the foregoing, the Company shall not in any event be liable for consequential damages.
15. The rights, licences, liberties, privileges and easements hereby granted are and shall be of the same force and effect to all intents and purposes as a covenant running with the land and this Right-of-Way Agreement, including all the covenants and conditions herein contained, shall extend to, be binding upon and enure to the benefit of the heirs, executors, administrators, successors-in-title and assigns of the parties hereto.
16. This Right-of-Way Agreement sets forth the entire agreement and understanding between the parties hereto, and the Grantor agrees that there are no other prior representations affecting this Right-of-Way Agreement, other than as are herein set forth or, as may be set forth in an agreement in writing between the parties made subsequent hereto.
17. This Right-of-Way Agreement shall be construed in accordance with the laws of the Province of Alberta.
18. Words herein importing number or gender shall be construed in grammatical conformance with the context of the party or parties in reference.

19. All notices to be given hereunder shall be in writing and may be served personally or by registered letter addressed to the Grantor at:

and to the Company at 4429 – 44 Street, Lloydminster, Saskatchewan S9V 0Z8 or such other address, in either case, as the Grantor or the Company respectively may from time to time advise, and any such notice shall be deemed to be given to and received by the addressee upon personal service or, if served by registered letter, fourteen (14) days after the mailing thereof, postage prepaid.

IN WITNESS WHEREOF, the Grantor and the Company have executed and delivered these presents this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 20\_\_\_\_\_.

SIGNED, SEALED AND DELIVERED	)	
by the Grantor in the presence of:	)	
	)	
_____	)	_____
Witness	)	
	)	
	)	
	)	
	)	
	)	HUSKY OIL OPERATIONS LIMITED
	)	
	)	
	)	
_____	)	_____

**ALBERTA CONSENT OF SPOUSE**

I, \_\_\_\_\_, being married to the above named \_\_\_\_\_, (the Grantor) do hereby give my consent to the disposition of our homestead, made in this instrument, and I have executed this document for the purpose of giving up my life estate and other dower rights in the property given to me by The Dower Act, R.S.A.1970, to the extent necessary to give effect to the said disposition.

\_\_\_\_\_  
Spouse of Grantor

**CERTIFICATE OF ACKNOWLEDGEMENT BY SPOUSE**

1. This document was acknowledged before me by \_\_\_\_\_  
apart from her husband (or his wife).

- \_\_\_\_\_ acknowledged to me that she (he)
- (a) is aware of the nature of the disposition.
  - (b) is aware that The Dower Act, R.S.A. 1970, gives her (him) a life estate in the homestead and the right to prevent disposition of the homestead by withholding consent.
  - (c) consents to the disposition for the purpose of giving up the life estate and other dower rights in the homestead given to her (him) by the Dower Act, R.S.A. 1970, to the extent necessary to give effect to the said disposition.
  - (d) is executing the document freely and voluntarily without any compulsion on the part of her husband (or his wife).

DATED at \_\_\_\_\_, in the Province of Alberta, this \_\_\_\_ day of \_\_\_\_\_, A.D., 20\_\_\_\_.

\_\_\_\_\_  
A Commissioner for Oaths in and for the Province of Alberta. This Appointment expires \_\_\_\_\_

**AFFIDAVIT**

I, \_\_\_\_\_ (occupation) of \_\_\_\_\_ in the Province of Alberta, \_\_\_\_\_,  
MAKE OATH AND SAY:

- 1. That I am the Grantor named in the within instrument.
- 2. That I am not married;

OR

\*That neither myself nor my spouse have resided on the within mentioned land at any time since our marriage.

SWORN before me at the Postal District  
of \_\_\_\_\_, in the  
Province of Alberta, this \_\_\_\_\_ day  
of \_\_\_\_\_, 2000.

)  
)  
)  
)  
)  
)  
)  
)

\_\_\_\_\_  
A Commissioner for Oaths in and for the  
Province of Alberta. This Appointment expires  
\_\_\_\_\_, 20\_\_\_\_.



AFFIDAVIT OF EXECUTION

C A N A D A )  
 )  
PROVINCE OF ALBERTA )  
 )  
TO WIT: )  
 )

I, \_\_\_\_\_ of the City of Lloydminster, in the Province of Saskatchewan, Landman,  
MAKE OATH AND SAY:

- 1. THAT I was personally present and did see named in the annexed instrument, who is (are) personally known to me to be the person(s) named therein, duly sign, seal and execute the same for the purposes therein named.
- 2. THAT the same was executed at the Postal District of \_\_\_\_\_ in the Province of \_\_\_\_\_, and that I am the subscribing witness thereto.
- 3. THAT I know the said and he is she is they are each in my belief, Eighteen (18) years of age or more.

SWORN before me at the City of Lloydminster, )  
in the Province of Saskatchewan, this )  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_. )  
 )  
 )  
 )  
 )  
 )  
\_\_\_\_\_) \_\_\_\_\_  
A Commissioner for Oaths in and for the  
Province of Alberta. My Commission expires  
\_\_\_\_\_.

PIPELINE EASEMENT

I (WE), , of , in the Province of Saskatchewan, (hereunder referred to as "the Grantor") being registered as owner(s)(or is entitled to become the registered owner(s) under an agreement for sale or unregistered transfer) of an estate in fee simple, subject, however, to such encumbrances, liens and interests as are set forth in the existing certificate of title, in all that certain tract of land situate in the Province of Saskatchewan, and being composed of:

The Quarter (¼) of Section  
in Township  
in Range  
West of the Third (W3) Meridian,  
as contained and described in Certificate(s) of Title No(s)

subject to any exceptions or reservations of mines or minerals appearing on the title, but, in any case excepting thereout all mines and minerals; (hereinafter referred to as the "said Lands").

DO            HEREBY,            IN            CONSIDERATION            of            the            sum            of

(\$ \_\_\_\_\_) Dollars paid or to be paid to the Grantor or others interested in the lands as purchaser, mortgagee, encumbrancee or otherwise (hereinafter referred to as "Other Interested Parties"), and in consideration of the conditions hereinafter mentioned to be observed by:

HUSKY OIL OPERATIONS LIMITED, a body corporate,  
having it's head office at the  
City of Calgary, in the Province of Alberta,  
(hereinafter referred to as "the Company")

GRANT, CONVEY AND TRANSFER UNTO the Company, for itself, its employees, agents and contractors, its successors and assigns, the right, licence, liberty, privilege and easement to clear and to use that portion of the said Lands, being right-of-way 10 metres in width as shown outlined in red, as approximated on a plan or plans of right-of-way attached hereto as Schedule "A", (hereinafter referred to as the "Right-of-Way"), to lay down, construct, operate, maintain, inspect, patrol (including aerial patrol) alter, remove, replace, reconstruct and repair one or more pipelines together with all the works of the Company including but without limiting the generality of the foregoing, all such drips, valves, fittings, meters, cathodic protection equipment and other equipment and appurtenances, whether or not similar to the foregoing, as may be useful or convenient in connection with or incidental to the undertaking of the Company for the carriage, conveyance and transportation of natural and artificial gas, oil and other gaseous or liquid hydrocarbons and any product or by-products thereof (all of which are collectively hereinafter referred to as the "said Works").

The aforesaid rights, licences, liberties, privileges and easements are herein granted for so long hereafter as the Company may desire to exercise same on the following terms, stipulations and conditions which are hereby mutually covenanted and agreed to by and between the Grantor and the Company:

1.        The Company shall compensate the Grantor, and/or Other Interested Parties as their respective interests for the time being may appear, for all damage occurring as a result of the construction or operation of the said Works, and without limiting the generality of the foregoing to include all damage done to any crops, pasture, timber, trees, hedges, produce, water wells, artesian springs, livestock, buildings, fences, culverts, bridges, lanes, improvements or equipment on the said Lands, by reason of the exercise of the rights herein granted.
2.        In the event that the Company separately constructs an additional pipeline and/or pipelines within the said right-of-way, the Company shall negotiate with the Grantor the amount of compensation payable for any such pipeline and /or pipelines; provided always that the Company may, at the Company's sole discretion, lay more than one pipeline in the same construction operation; and that construction shall not be delayed by the provisions of this Clause.
3.        If at any time the Company shall require the Right-of-Way for any of the said Works to be located above ground, the Company shall consult with the Grantor as to the appropriate location of such Works and shall locate such Works, insofar as may be practicable so to do, in such a fashion as to provide a minimum of inconvenience to the Grantor. Upon furnishing to the Grantor a plan of the intended location, the Company shall have the right to fence and use such portions of the Right-of-Way as may in its opinion be required. The Company shall pay to the Grantor and/or Other Interested Parties compensation for any inconvenience caused the Grantor, and for all damage occurring, as a result of fencing any such portion of the Right-of-Way. The Company shall enter into a Surface Lease with the Grantor for all such Surface installations.

4. The Company, insofar as may be practicable so to do, shall bury and maintain all pipe so as not to interfere unreasonably with the ordinary cultivation of the said Lands and shall restore all drains damaged or disturbed according to good drainage practice.
5. It is further agreed that the Company may at any time for whatsoever reason or cause, at its election on notice in writing to the Grantor, terminate this Right-of-Way Agreement and that the same thereafter shall be of no further effect and the Company shall stand relieved of all obligations, other than those accrued to the date of termination; ALWAYS PROVIDED HOWEVER, that upon the termination of this Right-of-Way Agreement, the Company, if this agreement shall then have been registered shall forthwith, at its expense, procure the cancellation of such registration.
6. Upon the abandonment of the said Works and release of all the rights hereby granted, the Company may, at its option, leave and abandon in place any of the said Works which have been buried and will in any event, insofar as may be practicable so to do, restore the surface of the Right-of-Way to the same condition as it was prior to the entry thereon and the use thereof by the Company.
7. Subject always to the rights herein granted, the Grantor shall have the right fully to use and enjoy the said Right-of-Way to the extent that such use does not interfere with the rights herein granted to the Company. Without limiting the generality of the foregoing the Grantor shall not, without the prior written consent of the Company, which consent shall not be unreasonably withheld, excavate, drill, install, erect or permit to be excavated, drilled, installed or erected on or under the said Right-of-Way, any pipe, pit, well, foundation, pavement or other structure or installation or do or permit to be done any mining, quarrying, land levelling or other work or activity of any like or similar nature on, in or under the Right-of-Way.
8. Subject to clause 7, where the Grantor notifies the Company in writing that the Grantor wishes to make a non-recurring agricultural improvement (other than a normal farming operation) which can be practically made to the said Lands, and the cost of making such an improvement is increased by the existence of the said Works, the Company agrees to reimburse to the Grantor the increase in cost making such an improvement which is a direct result of the existence of the said Works. If the Company and the Grantor fail to agree within ninety (90) days of any such notification as to the practicality of making the proposed improvement or the amount of the increase in cost of making any such improvement which is directly a result of the existence of the said Works, then the matters in dispute shall be referred to arbitration as hereinafter provided.
9. Upon the request of the Grantor, the Company shall, insofar as may be practicable so to do, separate and save the topsoil on the Right-of-Way prior to construction and then replace it following construction.
10. If the Grantor and the Company cannot agree on the amount of compensation for damage to be paid pursuant to clause 1, the market value of the Right-of-Way actually required in construction of an additional pipeline as referred to in clause 2, any amount to be paid pursuant to clause 3, or matters referred to in clause 8, the matter or matters at issue shall be submitted to and determined by three (3) disinterested arbitrators, one to be appointed by the Grantor, one by the Company and the third by the two arbitrators so appointed, and any decision of any two of such three arbitrators shall be final and conclusive, PROVIDED that in all respects, the provisions of the Arbitration Act of the Province of Saskatchewan, as amended from time to time, shall apply. The costs of and incidental to any arbitration are to be determined and awarded as the arbitrators may, in their sole discretion, decide.
11. The Company shall pay all rates and taxes that may be assessed and levied from time to time against the said Works, its interest in the said Lands or in connection with its operations thereon.
12. The Company, upon performing and observing the terms and conditions on its part to be performed and observed, shall and may peaceably hold and enjoy the rights, licences, liberties, privileges and easements hereby granted without hindrance, molestation or interruption on the part of the Grantor or of any person, firm or corporation claiming by, through or under the Grantor.
13. This Right-of-Way Agreement may be assigned by the Company in whole or in part as to all or any portion of the rights, licences, liberties, privileges and easements hereby granted, transferred and conveyed.
14. The Company covenants and agrees to indemnify and save harmless the Grantor from any and all liabilities, damages, costs, claims, suits or actions arising by reason of the exercise of the rights herein granted to the Company save and except liabilities, damages, costs, claims, suits or actions arising through the gross negligence or willful misconduct of the Grantor. Notwithstanding the foregoing, the Company shall not in any event be liable for consequential damages.

- 15. The rights, licences, liberties, privileges and easements hereby granted are and shall be of the same force and effect to all intents and purposes as a covenant running with the land and this Right-of-Way Agreement, including all the covenants and conditions herein contained, shall extend to, be binding upon and enure to the benefit of the heirs, executors, administrators, successors-in-title and assigns of the parties hereto.
- 16. This Right-of-Way Agreement sets forth the entire agreement and understanding between the parties hereto, and the Grantor agrees that there are no other prior representations affecting this Right-of-Way Agreement, other than as are herein set forth or, as may be set forth in an agreement in writing between the parties made subsequent hereto.
- 17. This Right-of-Way Agreement shall be construed in accordance with the laws of the Province of Saskatchewan.
- 18. Words herein importing number or gender shall be construed in grammatical conformance with the context of the party or parties in reference.
- 19. All notices to be given hereunder shall be in writing and may be served personally or by registered letter addressed to the Grantor at:

and to the Company at 4429 – 44 Street, Lloydminster, Saskatchewan S9V 0Z8 or such other address, in either case, as the Grantor or the Company respectively may from time to time advise, and any such notice shall be deemed to be given to and received by the addressee upon personal service or, if served by registered letter, fourteen (14) days after the mailing thereof, postage prepaid.

IN WITNESS WHEREOF, the Grantor and the Company have executed and delivered these presents this \_\_\_\_\_ day of \_\_\_\_\_, A.D., 2004.

SIGNED, SEALED AND DELIVERED	)	
by the Grantor in the presence of:	)	
	)	
	)	
_____	)	_____
Witness	)	
	)	
	)	HUSKY OIL OPERATIONS LIMITED
	)	
	)	
_____	)	_____

CERTIFICATE OF ACKNOWLEDGEMENT

I, \_\_\_\_\_, non-owning spouse of \_\_\_\_\_, consent to the above/attached disposition. I declare that I have signed this consent for the purpose of relinquishing all my homestead rights in the property described in the above/attached disposition in favour of Husky Oil Operations Limited to the extent necessary to give effect to this agreement.

\_\_\_\_\_

I, \_\_\_\_\_, certify that I have examined \_\_\_\_\_, non-owning spouse of \_\_\_\_\_, the owning spouse in the above/attached agreement separate and apart from the owning spouse. The non-owning spouse acknowledged to me that he or she:

- (a) signed the consent to the disposition of his or her own free will and consent and without any compulsion on the part of the owning spouse; and
- (b) understands his or her rights in the homestead.

I further certify that I have not, nor has my employer, partner, or clerk, prepared the above/attached agreement, and that I am not, nor is my employer, partner or clerk, otherwise interested in the transaction involved.

\_\_\_\_\_

(NOTE: This form may be executed by a Judge of any of the following courts: Provincial Court; Court of Queen's Bench; Unified Family Court or Court of Appeal or by a Justice of the Peace or by a Solicitor or by a Notary Public)

AFFIDAVIT

CANADA	)
	)
PROVINCE OF SASKATCHEWAN	)
	)
TO WIT:	)

I, , of the Postal District of , in the Province of , make oath and say that:

- 1. I am the Grantor (or duly appointed agent acting under a Power of Attorney dated the \_\_\_\_ day of \_\_\_\_\_, 20\_\_, granted by the Grantor in my favour and I am acquainted with the facts).
- 2. My spouse and I (or the Grantor and his or her spouse) have not occupied the land described in this disposition as our (or their) homestead at any time during our (or their) marriage.

- or -

- 2. I have (or the Grantor has) no spouse.

- or -

- 2. My spouse (or the spouse of the Grantor) is a registered owner of the land that is the subject matter of this disposition and a co-signator of this disposition.

SWORN before me at the Postal District	)
of , in the Province of Saskatchewan,	)
this _____ day of _____, 2004.	)
	)
	)
	)
	)

\_\_\_\_\_

A Commissioner for Oaths in and for the Province of Saskatchewan. My Commission expires \_\_\_\_\_

## AFFIDAVIT OF EXECUTION

CANADA

PROVINCE OF SASKATCHEWAN

TO WIT:

I, \_\_\_\_\_ of the City of Lloydminster, in the Province of  
Saskatchewan, Landman, MAKE OATH AND SAY:

1. THAT I was personally present and did see , named in the annexed instrument, who is (are) personally known to me to be the person(s) named therein, duly sign, seal and execute the same for the purposes therein named.
2. THAT the same was executed at the Postal District of , in the Province of Saskatchewan, and that I am the subscribing witness thereto.
3. THAT I know the said and he is (she is) (they are each) in my belief, Eighteen (18) years of age or more.

SWORN before me at the City of  
Lloydminster, in the Province of  
Saskatchewan, this \_\_\_\_\_ day of  
\_\_\_\_\_, A.D. 2004.

A Commissioner for Oaths in and  
for the Province of Saskatchewan.  
My Commission expires \_\_\_\_\_.

CONSENT OF OWNER(S) AND OCCUPANT(S)

I (We), of the Postal District of in the Province of , being the registered owner (or entitled to become the registered owner under an agreement for sale) of the , in the Province of Alberta/Saskatchewan, do hereby agree, in consideration of the sum of FIFTY (\$50.00) Dollars, receipt of which is hereby acknowledged, that HUSKY OIL OPERATIONS LTD. can forthwith enter upon and use the surface of the said lands for the purpose of:

**Consent to Survey a Pipeline(s) on the**

DATED at the Postal District of in the Province of Saskatchewan, this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

WITNESS:

SIGNED:

\_\_\_\_\_

\_\_\_\_\_

Special Instructions for Construction Department:

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EXISTING LINES THIS QUARTER

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**ENTRY FEE FORM**

**NOTICE**

**TO:**

**RE:**

The Landowner has granted a Pipeline Easement dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ to the Operator, HUSKY OIL OPERATIONS LTD.

Take Notice that pursuant to Section 19 of the Surface Rights Act the Operator shall pay to the Grantor an Entry Fee calculated in accordance with the Act as follows:

Area granted \_\_\_\_\_ acres X \$500.00 = \$\_\_\_\_\_.  
(or \$250.00 whichever is the greater but in no event shall the Entry Fee exceed \$5,000.00 per title unit).

The Operator shall not exercise his right of entry until the Entry Fee has been paid.

The Entry Fee is in addition to any compensation payable in respect of the right of entry.

DATED \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

\_\_\_\_\_

\_\_\_\_\_  
**LAND AGENT**



**HUSKY OIL OPERATIONS LTD.**  
**PIPELINE WORKING SPACE PERMIT**

I, \_\_\_\_\_ of the Postal District of \_\_\_\_\_, in the Province of \_\_\_\_\_, in consideration of the sum of \_\_\_\_\_ (\$\_\_\_\_\_) Dollars, the receipt of which is hereby acknowledged, hereby grant permission to Husky Oil Operations Limited., it's agents, employees, contractors and sub-contractors for so long as required to enter upon land described as follows:

All that portion of \_\_\_\_\_ being a strip of land measuring \_\_\_\_\_ meters in perpendicular width on the \_\_\_\_\_ boundary and \_\_\_\_\_ meters on the \_\_\_\_\_ boundary of the easement dated \_\_\_\_\_, the said strips to run the entire length of the right-of-way on the said lands, as indicated on the attached survey plan outlined in green.

for the purpose of constructing a pipeline within the right-of-way in accordance with the terms and conditions in the said easement all said work to be done at their own risk and expense, and upon condition that Husky Oil Operations Limited pay for any damages that may be done to the above described land thereby.

Dated at the Postal District of \_\_\_\_\_ in the Province of \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
LANDOWNER

**HUSKY OIL OPERATIONS LTD.**  
**PIPELINE WORKING SPACE PERMIT**

I/WE, , of the Postal District of, in the Province of Alberta, in consideration of the sum of \_\_\_\_\_ (\$\_\_\_\_\_) Dollars which amount includes Entry Fee, the receipt of which is hereby acknowledged, hereby grant permission to Husky Oil Operations Limited., it's agents, employees, contractors and sub-contractors for so long as required to enter upon land described as follows:

All that portion of the W4M as shown on the attached survey plan

for the purpose of constructing a pipeline within the right-of-way in accordance with the terms and conditions in the said easement all said work to be done at their own risk and expense, and upon condition that Husky Oil Operations Limited pay for any damages that may be done to the above described land thereby.

Dated at the Postal District of Wainwright, in the Province of Alberta, this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
WITNESS

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**PROJECT NAME: NPS 20" PIPELINE PROJECT (MAINLINE)****LINE REQUESTED BY: DOUG HASTINGS****DATE REQUESTED:****AFE NO.: 82307-MS-00125-FD-06****EWR****COPIES OF LINE LIST SENT TO:**

Location	Landowner	ADDRESS	Phone No.	LM	Verbal Consent	Conditions
SW¼-12-50-1 W4M	Husky Oil Operations Limited	Husky Oil Operations Limited 38th floor, 707-8th ave SW Calgary, AB T2P 1H5 Attention: Garnet Kuehn	825-1115	GT	30-Mar-04	Occupant - Jack Hill - 875-7115 - no concerns - access by nearest approach. Corlac compound-see Doug Campbell for entry 875-5504, Cell 205-1394. - Jack Hill, Box 328, Lloydminster, Sask S9V 0I2
NW¼-12-50-1 W4M	Husky Oil Operations Limited	Husky Oil Operations Limited 38th floor, 707-8th ave SW Calgary, AB T2P 1H5 Attention-Garnet Kuehn	825-1115	GT	30-Mar-04	Occupant - Jack Hill - go ahead and survey, contact Jack- before re-entering 875-7115 - use approaches near ROW. - Jack Hill, Box 328, Lloydminster, Sask S9V 0I2
Ptn NW¼-12-50-1 W4M	The City of Lloydminster	City Of Lloydminster 4420-50 Avenue Lloydminster, AB T9V 0W2	875-6184 Ext-8335	GT	30-Mar-04	No Concerns
S½-13-50-1 W4M	William Andrew Keichinger	William Andrew Keichinger General Delivery Streamstown, AB T0B 5G0	847-2587	DH	29-Mar-04	Go ahead and survey. Contact Bill before soil testing or re-entering crop land
plan#101734297 portion of 15-50-28-w3m	City of Lloydminster	City Of Lloydminster 4420-50 Avenue Lloydminster, AB T9V 0W2	875-6184 Ext-8335	GT	30-Mar-04	No Concerns
SE¼-14-50-28 W3M	Lawrence Raymond Leach	Lawrence Raymond Leach Box 995 Lloydminster, SK S9V 0Y9	825-9610	DH	29-Mar-04	Go ahead and survey Contact Larry before re-entering use approaches near ROW
NE-11-50-28-W3M	Lawrence Raymond Leach	Lawrence Raymond Leach Box 995 Lloydminster, SK S9V 0Y9	825-9610	DH	29-Mar-04	Go ahead and survey Contact Larry before re-entering use approaches near ROW
SW¼-14-50-28 W3M	Patricia Edith Larsen	George & Pat Larsen 951 - 110 A Street Edmonton, AB T6J 6N4	780-433-8283	DH	30-Mar-04	Occupant - pasture - Clancy Hodgson 825-3268 - horses in pasture - access through gate by ROW. Occupant on Crop - Bruce Sutherland 825-3185 or Mary Sutherland work # 825-6420 - no concerns. Key to padlock for double steel gates on right gate post. Contact Sutherlands before entry. - Clancy Hodgson, 5901-44 St., Lloydminster, AB T9V 1V6 - Bruce Sutherland, Box 355, Lloydminster, SK S9V 0Y4
Ptn SW¼-14-50-28 W3M	Glenn Murray Forty & Susan Anita Forty	6214-50 Avenue Lloydminster, SK T9A 2C9		DH		Not Required

Location	Landowner	ADDRESS	Phone No.	LM	Verbal Consent	Conditions
SW¼-13-50-28 W3M	City of Lloydminster	City Of Lloydminster 4420 - 50 Avenue Lloydminster, AB T9V 0W2	875-6184 Ext-8335	GT	30-Mar-04	No Concerns
NE¼-12-50-28 W3M	Ronald Rackham	Audrey & Ron Rackham Box 371 Lloydminster, SK S9V 0Y4	825-3609	DH	29-Mar-04	Occupant - Garnet Weaver 875-7702 - OK to survey, contact Garnet before re-entering. Access ROW on South end from Rackham's driveway. On North end-from approach by dump. After construction-remove approach by dump or put gate on approach to stop trespassing. - Garnet Weaver, Box 740, Lloydminster, AB S9V 1C1
NW¼-12-50-28 W3M	City of Lloydminster	City Of Lloydminster 4420 - 50 Avenue Lloydminster, AB T9V 0W2	875-6184 Ext-8335	GT	30-Mar-04	Occupant - Larry Leach - contact Larry before entry
SE¼-12-50-28 W3M	Audrey Joyce Rackham	Audrey & Ron Rackham Box 371 Lloydminster, SK S9V 0Y4	825-3609	DH	29-Mar-04	Occupant - Garnet Weaver 875-7702 - OK to survey, contact Garnet before re-entering. Access ROW on South end from Rackham's driveway. On North end-from approach by dump. After construction-remove approach by dump or put gate on approach to stop trespassing. - Garnet Weaver, Box 740, Lloydminster, AB S9V 1C1
NE¼-1-50-28 W3M	Lavina Ruth Perry	Lavina Perry Box 310 Punnichy, SK S0A 3C0	835-2682	DH	29-Mar-04	Occupant - David Greenway 825-3610 - Contact before entry. Access from riser site access road.