				UTE VARIATION F	ORM			
VARIATION TYPE:	Refinement:		Reroute:	Х	Footprint:		Design:	
	Centerline:	х	Pump Station:		Valve Site:		CAR:	
LOCATION:	S	ketch:	Attac	hed	Pictures: N	I/A		
State:	SD	_		nieu –	_			
Township:	19N	County: Range:	Harding 05E		Quad Map: No. 5	See attached map	sheet	
Section:	021, 028	. tago.	Centerline:	6/11/2013	MP:	319.84	to	321.49
			_		-		_	
REASON FOR ROUT	TE VARIATION (Please include	e reason for route	variation):				
The primary reason for original RVs were to a			lify previous appro	ved route variations	0381-01 and 038	2-01 to match civi	il survey data	. Both
This proposed reroute	·							
DETAIL ROUTE VAR	RIATION (Please	describe rout	e variation in detai	I):				
ADDITIONAL IMPAC 4 Tracts are impacted ML-SD-HA-01770.000 ~3,521 ft of the propo be incurred. Reroute Costs savings include	I by this centerlin 0, ML-SD-HA-01 sed reroute is ou does not impact	re reroute: 780, ML-SD-H utside the curr MLV-16A cur	HA-01790, ML-SD- ent environmental rrent location.	HA-11792, ML-SD- surveyed corridor,	HA-11795 (all Do	olittle Wagner Ra	,	ıl surveys will
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4 LAND / TransCanada	Tina Hall		
a) Is a new landowner affected by the proposed variation?	Ye	s	No X
b) Is the affected landowner/tract a possible condemnation?	Ye	s	No X
c) Does proposed route variation impact Tribal Lands?	Ye	s	No X
d) Does proposed route variation impact any Federal/State Land	s? Ye	s	No X
-If yes, name type (i.e. USFWS, BLM, etc.):			
e) Is proposed realignment outside the easement/workspace?	Ye	s X	No
f) Is realignment proposed to satisfy landowner request?	Ye	s	No X
-If yes, name of landowner(s)/track number(s):		•	
ii yee, name of landowner(o), a dok namber(o).			
a) I lead II the evaluation exitoria has a evamined/arroyided for this and	saifia disainlina?	s X	No
g) Has all the evaluation criteria been examined/provided for this spe	ecific discipline? Ye	<u> </u>	No
If no, please explain why:			
5 ENGINEERING/CONSTRUCTION - TransCanada	Meera Kothari		
a) Maximum deviation perpendicular to proposed alignment:		245	_ft.
b) Does variation (CL) (including workspaces) falls within 500 ft.	MDEQ Corridor? Ye	sN/A	No
c) Has the centerline been staked for construction?	Ye	s	No X
d) Does route variation affect HDD crossing alignment?	Ye	s	No X
e) Is realignment proposed for engineering/construction reasons?	Ye	sX	No
f) Will the route variation require the relocation of a pump station?	Ye	s	No X
g) Has all the evaluation criteria been examined/provided for this spe	ecific discipline?	sX	No
If no, please explain why:			
6 ENVIRONMENTAL - TransCanada	Sandra Barnett		
a) Has the corridor been environmentally surveyed?	Ye	sX	No
b) Has the proposed variation been environmentally surveyed?	Ye	s	No X
c) Does proposed route variation impact Sage Grouse areas?	Ye	s	No X
d) Does route variation impact ABB areas?	Ye	s	No X
e) Was variation proposed to satisfy environmental issues?	Ye	s	No X
		_	
f) Was realignment proposed to satisfy agency request?	Ye	s	No X
	Ye	s	No X
-if yes, name of agency(s):	Ye	s	X
-If yes, name of agency(s): g) Environmental features:			X
-if yes, name of agency(s):	Ye Subtracted (-		NO X
-If yes, name of agency(s): g) Environmental features:			X
-If yes, name of agency(s): g) Environmental features:	Subtracted (-		X
-If yes, name of agency(s): g) Environmental features: Added (+):	Subtracted (-):	No X
-If yes, name of agency(s): g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands	Subtracted (-):	
-If yes, name of agency(s): g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this spe	Subtracted (-):	
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-If yes, name of agency(s): g) Environmental features: Added (+): Wetland ID # for newly impacted wetlands h) Has all the evaluation criteria been examined/provided for this spellf no, please explain why: **TengineEring / Facilities and Hydraulics (if applicable)**	Subtracted (- :	s X	No
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0465-SD-P4-319.8-321.5-S

KEYSTONE XL PIPELINE PROJECT

0465-SD-P4-319.8-321.5-S

		PIPELINE PROJECT AUTHORIZATION FORM
Date: Description:	8/7/2013 The primary reason for this route variation is to modify previous approved route viriations 0381-01 and 0382-01 to match civil survey data. Both original RVs were to avoid pond/wetland features.	Tracking Number: 0465-SD-P4-319.8-321.5-S MP: 319.8 to 321.5 Originated By: Engineering Variation Form Attacked: Yes X No
TransCanad Comments:	la - Land Tine Hati	Vanation: Approved Pales Rejected If Rejected Why?
TransCanad Comments:	la- Engineering Meera Kothan	Variation: Approved Rejected Trejected Why?
Exp - Engine Comments:	eering Kevin McGlynn	Variation: Approved Rejected (Approved Date: 8-20-13) If Rejected Wiry?
TransCanad Comments:	ta- Environmental Sandra Barnett	Variation: Approved V Rejected Approved V Rejected Approved V Rejected Whyz Rejected Pending Survey
Stantec - Ri Comments:	sk Assesment Heidi Tiliquist N/A.	Vanation: Approved Rejected Date 1f Rejected Why?
	In - Facilities Sandra Gigovic N/A. Does not affect facilities	Variation: Approved Rejected Date: If Rejected Why?
TransCanad Comments:	ia - PM (Montana) Alan Lietz	Variation: Approved Rejected Date: If Rejected Why?
TransCanad Comments:	la : PM (South Dakota) James Odom	Variation: Approved X Rejected Date: ZO-Ang-U Why?
Comments:	Ja - PM (Nebraska) Robert Bradley	Variation: Approved Rejected Date: If Rejected Why?
TransCanac Comments:	la - Area Manader Steve Mary	Variation: Approved Rejected Date: If Rejected Wity?
Forward to:	Tipa Hall Sandra B Meera Kothen Hoist Titl Kevin McGlynn Sandra C Alan Liet	puist Robert Bradley Igovic Steve Marr

