



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
Great Plains Regional Office  
115 Fourth Avenue S.E.  
Aberdeen, South Dakota 57401



IN REPLY REFER TO:  
DESCRM  
MC-208

MAY 23 2011

## MEMORANDUM

TO: Superintendent, Fort Berthold Agency

FROM: <sup>Acting</sup> Regional Director, Great Plains Region

SUBJECT: Supplemental to Environmental Assessment

In compliance with the regulations of the National Environmental Policy Act (NEPA) of 1969, as amended, for the proposed Supplemental for information tiering off of an existing Environmental Assessment for Saddle Butte to reroute their existing pipeline corridor due to landowner preferences in Sections 13 & 14, Township 148 North, Range 94 West on the Fort Berthold Reservation, a Categorical Exclusion has been completed.

All the necessary requirements of the National Environmental Policy Act have been completed. Attached for your files is a copy of the Categorical Exclusion.

If you have any questions, please call Marilyn Bercier, Regional Environmental Scientist, Division of Environment, Safety and Cultural Resources Management, at (605) 226-7656.

Attachment

cc: Tex Hall, Chairman, Three Affiliated Tribes (with attachment)  
Elgin Crows Breast, THPO (with attachment)  
Derek Enderud, BLM, Dickinson, ND (with attachment)  
John Shelman, US Army Corps of Engineers  
Jeffrey Hunt, Fort Berthold Agency



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BUREAU OF INDIAN AFFAIRS  
Great Plains Regional Office  
115 Fourth Avenue S.E.  
Aberdeen, South Dakota 57401



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## EXCEPTION CHECKLIST FOR BIA CATEGORICAL EXCLUSIONS

Date: 5/23/2011

Project: Supplemental to Environmental Assessment for Saddle Butte Pipeline, Saddle Butte Trunk Lines, September 2010, to authorize the reroute of the previously identified pipeline corridor.

Nature of Proposed Action: The purpose of the proposed action is to authorize Saddle Butte Pipeline to reroute their existing pipeline corridor due to landowner preferences in Sections 13 & 14, Township 148N, Range 94W. The previously planned corridor crosses a part of the landowner's property which he was planning to mine gravel deposits from. The newly identified corridor was rerouted southwest of the previously approved corridor for a total reroute distance of approximately 2,900 feet. The proposed corridor follows a two-track trail for part of the route and crosses land use areas consistent with the original corridor. A previously identified stream crossing would be crossed at an alternative location; the best management practices identified during the on-site visit would still apply. No additional environmental impacts outside of those identified in the EA would be encountered. Environmental Staff from KL&J, the BIA as well as a representative from the THPO were present at an on-site survey for this reroute on 5-18-2011. All representatives cleared the proposed reroute for their respective environmental and cultural concerns.

Exclusion category and number: 516 DM 10.5F(3)

Evaluation of Exceptions to use of Categorical Exclusion:

1. This action would have significant adverse effects on public health or safety. No  Yes
2. This action would have an adverse effect on unique geographical features, such as wetlands, wild or scenic rivers, refuges, floodplains, rivers placed on nationwide river inventory, or prime or unique farmlands. No  Yes
3. The action will have highly controversial environmental effects. No  Yes
4. The action will have highly uncertain environmental effects or involve unique or unknown environmental risks. No  Yes
5. This action will establish a precedent for future actions. No  Yes
6. This action is related to other actions with individually insignificant, but cumulatively significant environmental effects. No  Yes

- 7. This action will affect properties listed or eligible for listing in the National Register of Historic Places. No  X  Yes \_\_\_\_\_
- 8. This action will affect a species listed, or proposed to be listed as endangered or threatened. No  X  Yes \_\_\_\_\_
- 9. This action threatens to violate federal, state, local or tribal law or requirements imposed for protection of the environment. No  X  Yes \_\_\_\_\_
- 10. This action will have a disproportionately high and adverse effect on low income or minority populations. No  X  Yes \_\_\_\_\_
- 11. This action will limit access to, and ceremonial use of Indian sacred sites on federal lands by Indian religious practitioners, or significantly adversely affect the physical integrity of such sacred sites. No  X  Yes \_\_\_\_\_
- 12. This action will contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area, or may promote the introduction, growth, or expansion of the range of such species. No  X  Yes \_\_\_\_\_

A "yes" to any of the above exceptions will require that an EA be prepared.

NEPA Action - - - CE  X  EA \_\_\_\_\_

Preparer's Name and Title: Grady Wolf, Environmental Scientist, KL&J, Bismarck, ND

Regional Archeologist Concurrence with Item Corridor N. Boundary

Concur: Jeffrey R. Davis Date: 5/23/2011  
Regional Office/Agency Environmental Coordinator

Concur: Tim Longfante Date: 5-23-11  
Acting Regional Director/Superintendent

**NOTE: If Affidavit is not received in DESCRM by May 31, 2011 affirming the fact the landowner requested the reroute of the existing corridor, this Categorical Exclusion is null and void.**

# CATEGORICAL EXCLUSION

## *Supplementary Information*

United States Bureau of Indian Affairs

Great Plains Regional Office  
Aberdeen, South Dakota



Saddle Butte Pipeline

### **Supplementary Information for:**

Saddle Butte Pipeline, LLC. CAT-EX for a reroute to Environmental Assessment Saddle Butte Trunk Lines, September 2010 and Environmental Assessment Addendum Saddle Butte Trunk Lines, September 2010.

Trunk Line Reroute in Sections 13 & 14, T148N, R94W

Fort Berthold Indian Reservation

May 2011

*For information contact:*  
*Bureau of Indian Affairs, Great Plains Regional Office*  
*Division of Environment, Safety and Cultural Resources*  
*115 4th Avenue SE*  
*Aberdeen, South Dakota 57401*  
*605-226-7656*

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# 1 PURPOSE AND NEED FOR THE PROPOSED ACTION

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Saddle Butte Pipeline LLC. (Saddle Butte) proposes to authorize a reroute of their trunk line covered by the previously authorized Saddle Butte Trunk Line EA dated September 2010, and for their Saddle Butte Trunk Line EA Addendum dated October 2010, both of which a FONSI was issued. The pipeline reroute is located in the Sections 13 and 14, Township 148 North, Range 94 West. The proposed pipeline is being rerouted due to landowner concerns that the pipeline would impact a potential gravel pit that he may wish to develop. The proposed pipeline reroute would follow the same general alignment and is located on property of the same native range and wooded land use as previously approved in the original EA/FONSI. Please refer to **Figure 1. Pipeline Reroute Vegetation**, and **Figure 2. Project Overview Map**.



**Figure 1 Pipeline Reroute Vegetation**

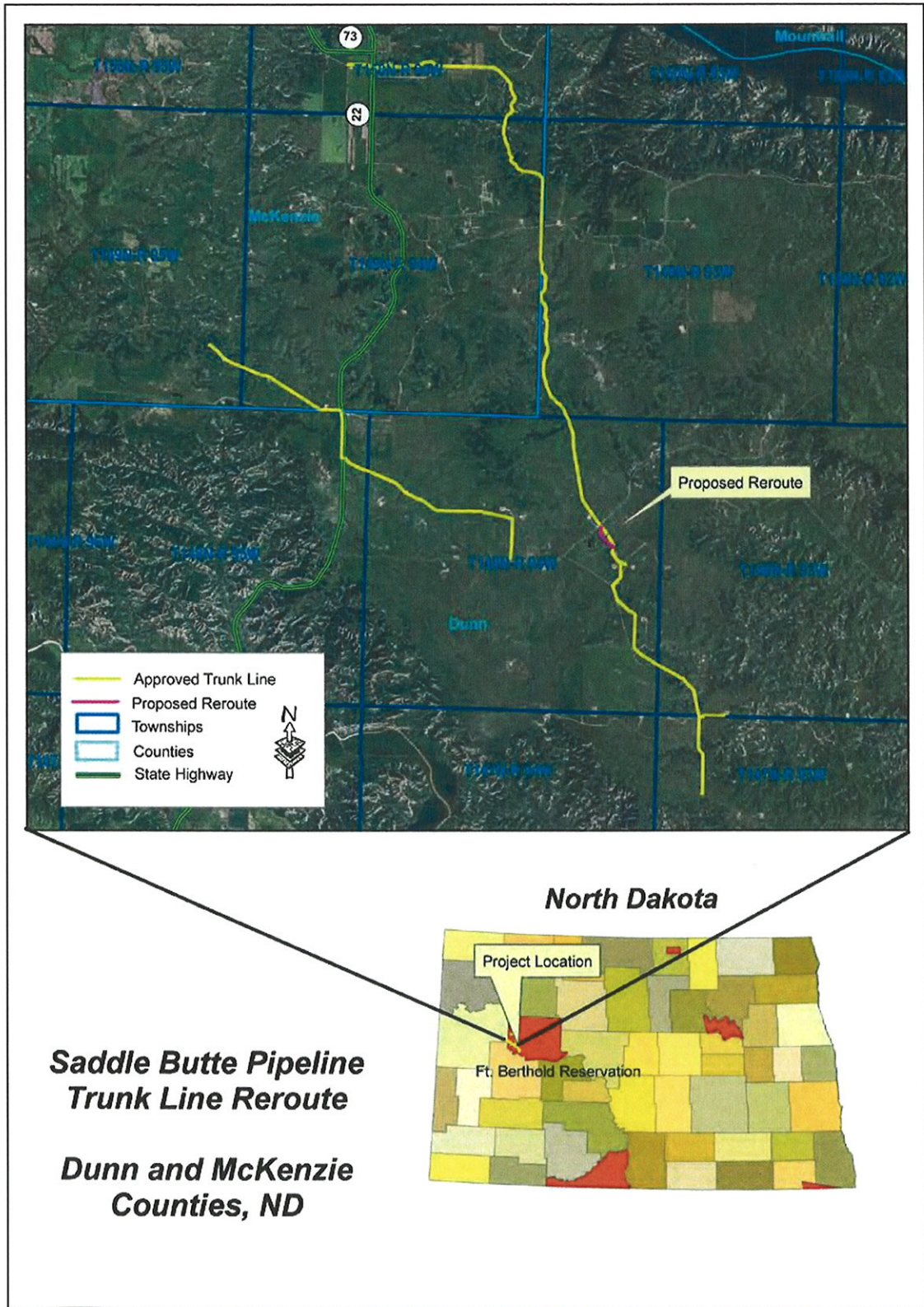


Figure 2 Project Overview Map

The proposed reroute would follow the same general corridor previously surveyed and approved in Saddle Butte Pipeline's Trunk Line EA and Saddle Butte Pipeline EA Addendum. Please refer to **Figure 3. Saddle Butte Pipeline Reroute**. Construction activities for the proposed reroute would take place adjacent to areas that have achieved a FONSI under the NEPA by the BIA. By rerouting the proposed pipeline an additional 250 feet of pipe would be installed across the same general native range and woodland land use and an additional approximate 0.57 acres of land would be disturbed within a 100-foot construction right-of-way along the route.

An on-site survey of the proposed reroute was completed by environmental and cultural resources staff from Kadrmas, Lee & Jackson (KL&J), Jeff Desarlais from the Bureau of Indian Affairs (BIA), and Sherman Sierra from the Tribal Historic Preservation Office (THPO) on May 25, 2011. No additional concerns other than those previously noted and approved in the original EA and EA Addendum were identified during the site visit.





**Figure 3. Saddle Butte Pipeline Reroute**

## **2 AUTHORITIES**

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Oil and gas exploration and development activities are conducted under authority of the Indian Mineral Leasing Act of 1938 (25 United States Code [USC] 396a, et seq.), the Indian Mineral Development Act of 1982 (25 USC 2101, et seq.), and the Energy Policy Act of 2005 (42 USC 15801, et seq.).

## **3 LEGAL LAND DESCRIPTION OF PROPOSED ACTION**

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The proposed reroute of the Saddle Butte Pipeline Trunk Line is located in Sections 13 and 14, T148N, R94W, Dunn County, North Dakota.

## **4 SCOPE OF WORK FOR PROPOSED ACTION**

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The proposed pipeline reroute would follow the same general corridor as was previously approved in the Saddle Butte Trunk Line EA. The reroute is being proposed on account of landowner concerns regarding the previously approved pipeline corridor crossing a potential gravel pit area that the landowner intends to develop. The proposed reroute would cross the same native range and wooded land use as was previously approved. The proposed reroute would include the addition of approximately 250 feet of pipe and cause approximately 0.57 acres of additional ground disturbance within a 100-foot construction easement. No additional environmental impacts aside from those disclosed in the previously referenced NEPA document are anticipated from construction of the proposed pipeline.

## **5 APPLICABLE NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DOCUMENTS**

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The following NEPA documents have been previously approved by BIA for the proposed action:

- Environmental Assessment, Saddle Butte Pipeline, Saddle Butte Trunk Lines, Fort Berthold Indian Reservation, September 2010. The EA FONSI was issued September 2010.
- Environmental Assessment Addendum, Saddle Butte Pipeline, Addendum to Saddle Butte Trunk Lines, Fort Berthold Indian Reservation, September 2010. The EA FONSI was issued October 2010.

## 6 ASSESSMENT OF ENVIRONMENTAL IMPACTS

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The following discussion addresses environmental and social impacts as a result of the pipeline reroute. Impacts are only discussed if the pipeline reroute has changed the impact assessment reflected in the September 2010 EA and September 2011 EA Addendum, or to note why the impact assessment has not changed.

### A. Cultural Resources

The proposed project area has been surveyed for cultural resources as part of the NEPA processes discussed above. There was a finding of *No Historic Properties Affected* for a 60-foot wide corridor included in the original EA and a 100-foot wide corridor in the EA Addendum documents. A 200-foot corridor centered on the proposed pipeline reroute was surveyed for cultural resources by employees of KL&J and Sherman Sierra from the THPO. No cultural resources or traditional cultural properties were identified within the 200-foot surveyed reroute corridor.

### B. Climate/Geologic Setting/Land Use Impacts

The proposed pipeline reroute is located in a rural area; land use consists of native rangeland and a small wooded intermittent stream. The proposed reroute would cross the same native range and wooded land use as previously approved in the original EA and EA Addendum. An additional linear 250 feet of pipe would be installed on account of the proposed reroute. The proposed reroute would impact approximately 0.57 acres of additional native rangeland than was previously disclosed in the EA Addendum which widened the construction right-of-way from 60 to 100 feet. No mitigation is proposed for impacts from the pipeline reroute.

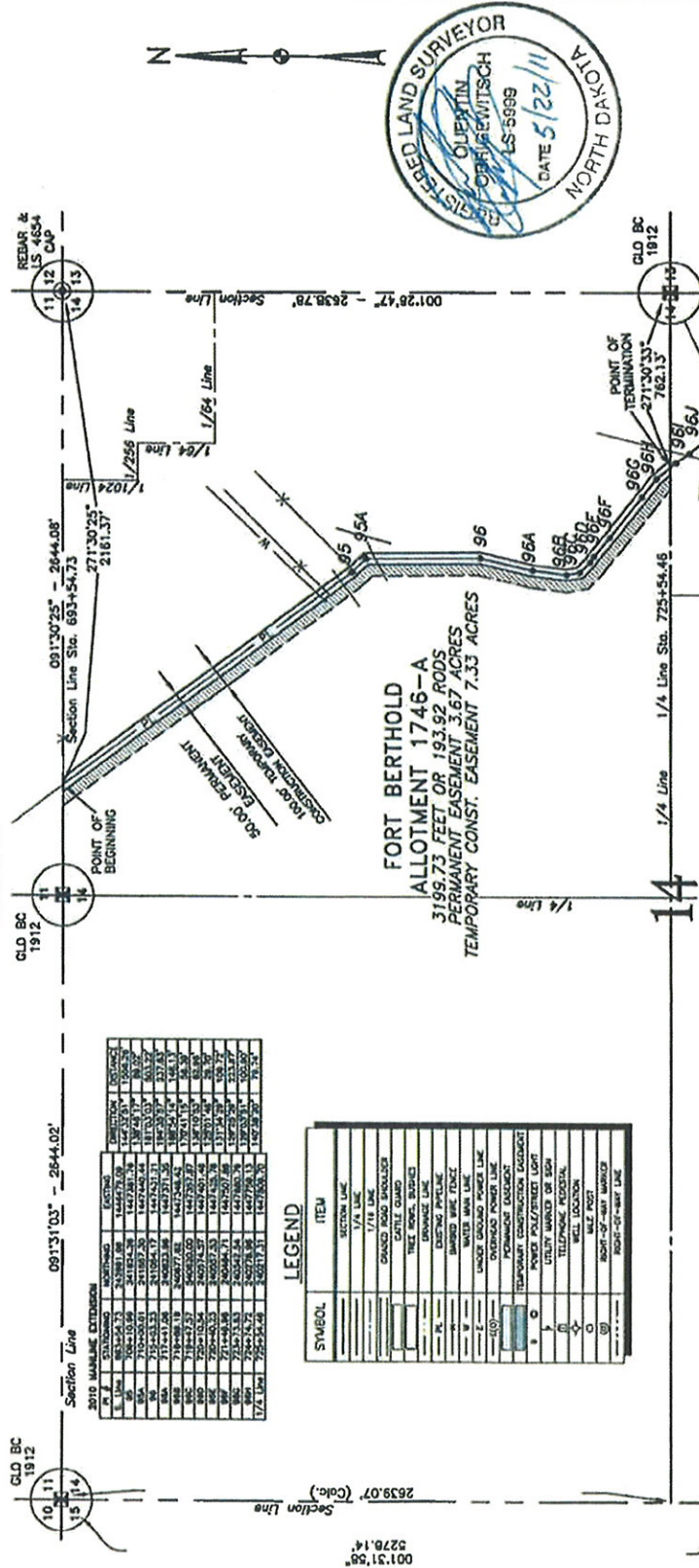
## 7 NEPA ADEQUACY CRITERIA

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This document has identified two previously prepared NEPA documents: Environmental Assessment, Saddle Butte Pipeline Trunk Lines, Fort Berthold Indian Reservation, September 2010 and Environmental Assessment Addendum, Saddle Butte Pipeline Trunk Lines, Fort Berthold Indian Reservation, September 2010 which adequately describes the environmental consequences of the newly proposed actions described herein, and meets the following NEPA Adequacy Criteria:

1. The proposed actions are substantially the same actions and at the sites specifically analyzed in the existing NEPA documents.
2. The range of alternatives is reasonable with respect to the current proposed actions in the existing NEPA documents, which appropriately considers and analyzes current environmental concerns, interests, and resource values.
3. The existing analysis and conclusions are adequate in the existing NEPA documents. The analysis is still valid in light of new studies and/or resource assessment information.
4. The methodology and analytical approach used in the existing NEPA documents continues to be appropriate for the proposed actions.
5. The direct and indirect impacts of the proposed actions are unchanged from those identified in the existing NEPA documents.
6. The cumulative impacts that would result from implementation of the proposed actions are unchanged from those analyzed in the existing NEPA documents.
7. A 30-day comment period involving public input and interagency review was used in the development of the existing NEPA documents.

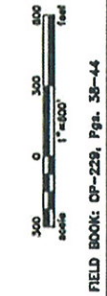
**ALLOTMENT 1746-A**  
 NE1/4 LESS THE NE1/4NE1/4 & E1/2NE1/4NW1/4NE1/4 OF SECTION 14, TOWNSHIP 148 NORTH, RANGE 94 WEST  
 OF THE 5TH PRINCIPAL MERIDIAN, DUNN COUNTY, NORTH DAKOTA  
 EXHIBIT "A"



P. #	STATIONING	BEARING	DISTANCE	REMARKS
1	708+10.54	S 41°18'25.78\"	144.7287	1/4 LINE
2	710+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
3	712+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
4	714+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
5	716+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
6	718+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
7	720+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
8	722+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
9	724+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
10	726+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
11	728+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
12	730+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
13	732+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
14	734+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
15	736+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
16	738+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
17	740+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
18	742+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
19	744+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
20	746+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
21	748+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
22	750+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
23	752+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
24	754+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
25	756+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
26	758+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
27	760+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
28	762+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
29	764+00.00	S 41°18'25.78\"	144.7287	1/4 LINE
30	766+00.00	S 41°18'25.78\"	144.7287	1/4 LINE

SYMBOL	ITEM
---	SECTION LINE
---	1/4 LINE
---	1/2 LINE
---	3/4 LINE
---	1/8 LINE
---	1/16 LINE
---	GRAND ROAD EASEMENT
---	TRAIL EASEMENT
---	ORANGE LINE
---	EXISTING PIPELINE
---	DRAINAGE DITCH
---	WATER MAIN LINE
---	UNDERGROUND POWER LINE
---	UNDERGROUND TELEPHONE LINE
---	TEMPORARY CONSTRUCTION EASEMENT
---	POWER POLE/STRUCT LIGHT
---	UTILITY MARKER OR SIGN
---	TELEPHONE PEGGOL
---	WELL LOCATION
---	WELL POINT
---	ROCK-OR-MAT MARKER
---	ROCK-OR-MAT LINE

NOTE: Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, Int'l Foot. Azimuths shown are Grid Azimuths, distances shown are grid distances. Combined scale factor is 1.0003925 to go from grid distance to ground distance.



**Kadmas Lee & Jackson**  
 Professional Surveyors  
 1870 East 3rd Avenue, Suite 205  
 Durango, CO 81301  
 © Kadmas Lee & Jackson 2011  
 505.241.8111

**SPP**  
 1870 East 3rd Avenue, Suite 205  
 Durango, CO 81301  
 970.246.2000  
 11/11/2010  
 11/29/2011

**SADDLE BUTTE PIPELINE**  
 2010 MAINLINE EXTENSION

EASEMENTS ON AND ACROSS THE  
 NE1/4 LESS THE NE1/4NE1/4 & E1/2NE1/4NW1/4NE1/4 OF SEC. 14, T.148N., R.94W.

**FIELD BOOK: DP-229, Pgs. 38-44**

**SHEET 1 OF 2**  
 DWG NO. 3710461BLS01  
 JOB NO. 3710461  
 SCALE: 1"=600'  
 PROJECT NUMBER: 14-148-94-A

**ALLOTMENT 1746-A**  
 NE1/4 LESS THE NE1/4NE1/4NE1/4 &  
 E1/2NE1/4NW1/4NE1/4NE1/4 OF SECTION 14, TOWNSHIP 148 NORTH, RANGE 94 WEST  
 OF THE 5TH PRINCIPAL MERIDIAN, DUNN COUNTY, NORTH DAKOTA  
 EXHIBIT "A"

SADDLE BUTTE PIPELINE  
 2010 MAINLINE EXTENSION

**DESCRIPTION: PERMANENT EASEMENT SURVEY**

A fifty (50) foot wide continual easement for utilities and pipelines of an oil and gas collection system over, under and across the Northeast Quarter (NE1/4) of Section 14, Township 148 North, Range 94 West of the 5th Principal Meridian, Dunn County, State of North Dakota, lying twenty-five (25) feet on each side of the following described line:

Commencing at the northeast corner of said Northeast Quarter of Section 14; thence along the north line of said Northeast Quarter of Section 14 on an azimuth of 271°30'25" a distance of 2161.37 feet to the POINT OF BEGINNING; thence on an azimuth of 144°32'51" a distance of 1556.26 feet to a point (PI #95); thence on an azimuth of 138°46'17" a distance of 89.02 feet to a point (PI #95A); thence on an azimuth of 181°03'03" a distance of 503.22 feet to a point (PI #96); thence on an azimuth of 194°35'57" a distance of 237.83 feet to a point (PI #96A); thence on an azimuth of 188°54'14" a distance of 148.13 feet to a point (PI #96B); thence on an azimuth of 170°41'15" a distance of 58.39 feet to a point (PI #96C); thence on an azimuth of 136°10'53" a distance of 62.96 feet to a point (PI #96D); thence on an azimuth of 125°01'46" a distance of 29.70 feet to a point (PI #96E); thence on an azimuth of 131°34'29" a distance of 109.72 feet to a point (PI #96F); thence on an azimuth of 129°25'29" a distance of 223.87 feet to a point (PI #96G); thence on an azimuth of 129°03'51" a distance of 100.90 feet to a point (PI #96H); thence on an azimuth of 140°38'20" a distance of 79.74 feet to the POINT OF TERMINATION on the south line of said Northeast Quarter of Section 14. Said point is located on an azimuth of 271°30'33" a distance of 762.13 feet from the southeast corner of said Northeast Quarter of Section 14.

Covering in all 3199.73 feet or 193.92 rods.  
 Said permanent easement contains 3.67 acres, more or less.

Together with a one-hundred (100) foot wide temporary construction easement for utilities and pipelines of an oil and gas collection system over, under and across the Northeast Quarter of Section 14, Township 148 North, Range 94 West of the 5th Principal Meridian, Dunn County, State of North Dakota, lying twenty-five feet left and seventy-five feet right of the following described line:

Commencing at the northeast corner of said Northeast Quarter of Section 14; thence along the north line of said Northeast Quarter of Section 14 on an azimuth of 271°30'25" a distance of 2161.37 feet to the POINT OF BEGINNING; thence on an azimuth of 144°32'51" a distance of 1556.26 feet to a point (PI #95); thence on an azimuth of 138°46'17" a distance of 89.02 feet to a point (PI #95A); thence on an azimuth of 181°03'03" a distance of 503.22 feet to a point (PI #96); thence on an azimuth of 194°35'57" a distance of 237.83 feet to a point (PI #96A); thence on an azimuth of 188°54'14" a distance of 148.13 feet to a point (PI #96B); thence on an azimuth of 170°41'15" a distance of 58.39 feet to a point (PI #96C); thence on an azimuth of 136°10'53" a distance of 62.96 feet to a point (PI #96D); thence on an azimuth of 125°01'46" a distance of 29.70 feet to a point (PI #96E); thence on an azimuth of 131°34'29" a distance of 109.72 feet to a point (PI #96F); thence on an azimuth of 129°25'29" a distance of 223.87 feet to a point (PI #96G); thence on an azimuth of 129°03'51" a distance of 100.90 feet to a point (PI #96H); thence on an azimuth of 140°38'20" a distance of 79.74 feet to the POINT OF TERMINATION on the south line of said Northeast Quarter of Section 14. Said point is located on an azimuth of 271°30'33" a distance of 762.13 feet from the southeast corner of said Northeast Quarter of Section 14.

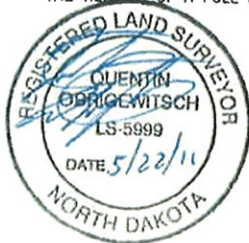
Said temporary easements to expire upon completion of construction of said project, or in five years from the date of conveyance, whichever comes first.

Covering in all 3199.73 feet or 193.92 rods.  
 Said temporary easement contains 7.33 acres, more or less.

**NOTES:**

1. Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, Int. Foot. Azimuths shown are grid azimuths, distances shown are grid distance. Combined scale factor = 1.0003925 to go from grid distance to ground distance.

2. Descriptions and sketches of easements depicted herein are based on information obtained while conducting the survey for easement acquisition and on deeds supplied by the client, and DO NOT CONSTITUTE THE RESULTS OF A FULL BOUNDARY SURVEY.



I, Quentin Obrigewitsch, Registered Land Surveyor, N.D. RLS No. 5999, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief. The field survey was performed on May 18, 2011 by Kirk Jorgenson.

5/22/11  
 Date

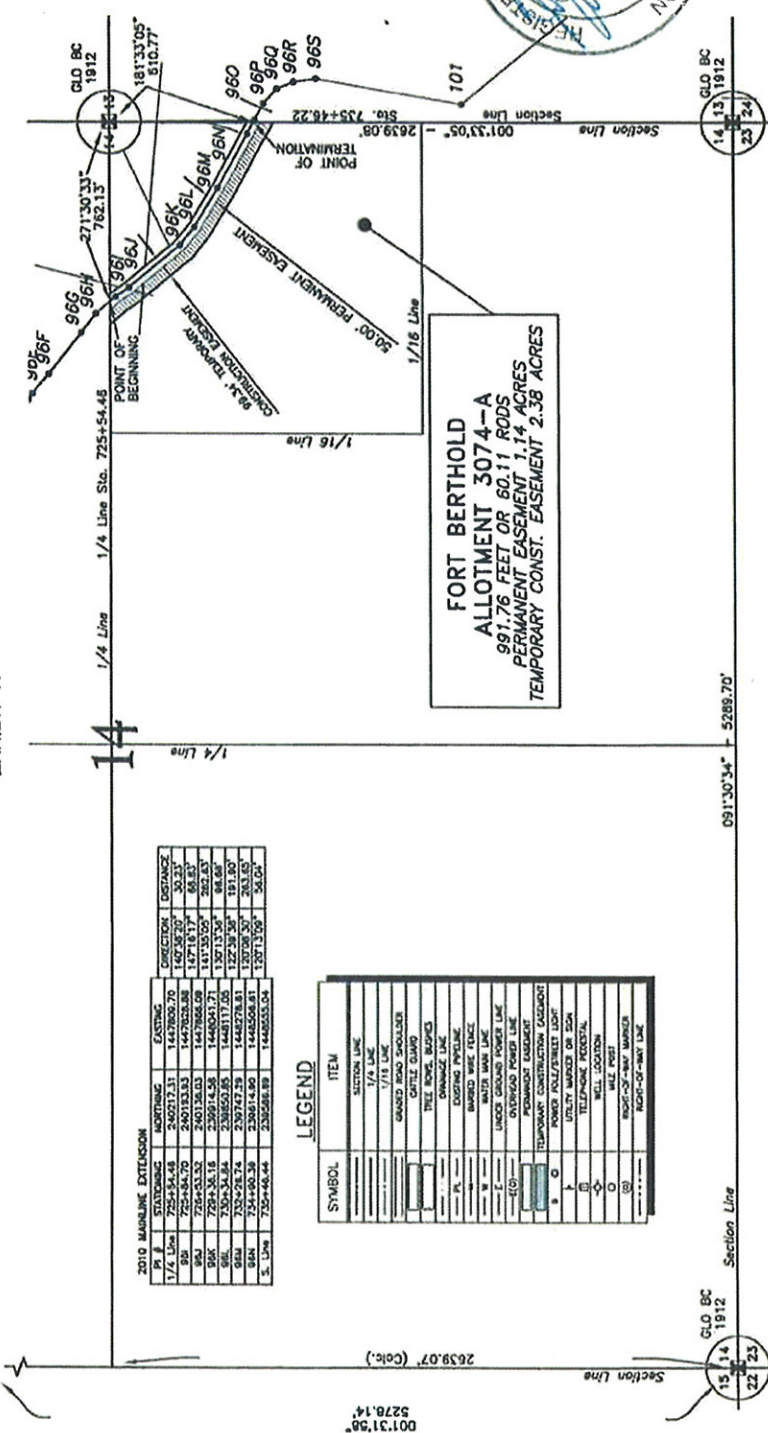
*[Signature]*  
 Quentin Obrigewitsch, Registered Land Surveyor  
 N.D. RLS No. 5999

FIELD BOOK: OP-229, Pgs. 38-44

SHEET 2 OF 2

 Kadmas Lee & Jackson Registered Surveyors Planners 1970 East 3rd Avenue, Suite 205 Durango, CO 81301 © Kadmas, Lee & Jackson 2010 DUNN 8th St. Header	 11/11/2010 4/20/2011	SADDLE BUTTE PIPELINE 2010 MAINLINE EXTENSION	DWG NO. 3710481BAS01
		EASEMENTS ON AND ACROSS THE NE1/4 LESS THE NE1/4NE1/4NE1/4 & E1/2NE1/4NW1/4NE1/4NE1/4 OF SEC. 14, T.148N., R.94W.	JOB NO. 3710481
		SCALE: NONE	PARCEL NUMBER 14-148-94-A

**ALLOTMENT 3074-A**  
 NE1/4SE1/4 OF SECTION 14, TOWNSHIP 148 NORTH, RANGE 94 WEST  
 OF THE 5TH PRINCIPAL MERIDIAN, DUNN COUNTY, NORTH DAKOTA  
 EXHIBIT "A"



**FORT BERTHOLD**  
**ALLOTMENT 3074-A**  
 991.76 FEET OR 60.11 RODS  
 PERMANENT EASEMENT 1.14 ACRES  
 TEMPORARY CONST. EASEMENT 2.38 ACRES

**2010 MAINLINE EXTENSION**

PT. #	STATIONING	NORTHING	EASTING	DIRECTION	DISTANCE
1	725+54.45	24021.731	147788.76	162°32'20"	30.33
2	725+54.45	24021.731	147788.76	162°32'20"	30.33
3	725+54.45	24021.731	147788.76	162°32'20"	30.33
4	725+54.45	24021.731	147788.76	162°32'20"	30.33
5	725+54.45	24021.731	147788.76	162°32'20"	30.33
6	725+54.45	24021.731	147788.76	162°32'20"	30.33
7	725+54.45	24021.731	147788.76	162°32'20"	30.33
8	725+54.45	24021.731	147788.76	162°32'20"	30.33
9	725+54.45	24021.731	147788.76	162°32'20"	30.33
10	725+54.45	24021.731	147788.76	162°32'20"	30.33
11	725+54.45	24021.731	147788.76	162°32'20"	30.33
12	725+54.45	24021.731	147788.76	162°32'20"	30.33
13	725+54.45	24021.731	147788.76	162°32'20"	30.33
14	725+54.45	24021.731	147788.76	162°32'20"	30.33
15	725+54.45	24021.731	147788.76	162°32'20"	30.33
16	725+54.45	24021.731	147788.76	162°32'20"	30.33
17	725+54.45	24021.731	147788.76	162°32'20"	30.33
18	725+54.45	24021.731	147788.76	162°32'20"	30.33
19	725+54.45	24021.731	147788.76	162°32'20"	30.33
20	725+54.45	24021.731	147788.76	162°32'20"	30.33

**LEGEND**

SYMBOL	ITEM
---	SECTION LINE
---	1/4 LINE
---	1/8 LINE
---	GRADED ROAD SHOULDER
---	CHUTE GUARD
---	TRIPLE RING BUCKLES
---	DRAINAGE LINE
---	BARBED WIRE TRACE
---	WATER MAIN LINE
---	UNDER GROUND POWER LINE
---	OVERHEAD POWER LINE
---	PERMANENT EASEMENT
---	TEMPORARY CONSTRUCTION EASEMENT
---	POWER POLE/PIELET JOINT
---	UTILITY MARKER
---	TELEPHONE POLE/TOWER
---	WELL LOCATION
---	WELL POST
---	SHORT-OF-MARK MARKER
---	NOT-OF-MARK LINE



**NOTE:** Survey is based on North Dakota State Plane System, NAD83 (98), North Zone, Int. Foot. Azimuths shown are Grid Azimuths, distances shown are grid distance, Combined scale factor = 1.0003925 to go from grid distance to ground distance.

SHEET 1 OF 2  
 DWG NO. 5710461BAS01  
 JOB NO. 3710461  
 SCALE: 1"=600'  
 DATE: 5/22/11  
 LAYOUT: 14-148-94-B (1)

**SADDLE BUTTE PIPELINE**  
 2010 MAINLINE EXTENSION  
 EASEMENTS ON AND ACROSS THE  
 NE1/4SE1/4 OF SEC. 14, T. 148N., R. 94W.

**Kadmas Lee & Jackson**  
 Professional Surveyors  
 1970 East 3rd Avenue, Suite 205  
 Durango, CO 81301  
 11/11/2010  
 11/11/2010

**FIELD BOOK: OP-219, Pgs. 35-44**

**ALLOTMENT 3074-A**  
 NE1/4SE1/4 OF SECTION 14, TOWNSHIP 148 NORTH, RANGE 94 WEST  
 OF THE 5TH PRINCIPAL MERIDIAN, DUNN COUNTY, NORTH DAKOTA  
 EXHIBIT "A"

SADDLE BUTTE PIPELINE  
 2010 MAINLINE EXTENSION

**DESCRIPTION: PERMANENT EASEMENT SURVEY**

A fifty (50) foot wide continual easement for utilities and pipelines of an oil and gas collection system over, under and across the Northeast Quarter of the Southeast Quarter (NE1/4SE1/4) of Section 14, Township 148 North, Range 94 West of the 5th Principal Meridian, Dunn County, State of North Dakota, lying twenty-five feet on each side of the following described line:

Commencing at the northeast corner of said Northeast Quarter of the Southeast Quarter of Section 14; thence along the north line of said Northeast Quarter of the Southeast Quarter of Section 14 on an azimuth of 271°30'33" a distance of 762.13 feet to the POINT OF BEGINNING; thence on an azimuth of 140°38'20" a distance of 30.23 feet to a point (PI #96I); thence on an azimuth of 147°16'17" a distance of 68.83 feet to a point (PI #96J); thence on an azimuth of 141°35'05" a distance of 282.63 feet to a point (PI #96K); thence on an azimuth of 130°13'36" a distance of 98.68 feet to a point (PI #96L); thence on an azimuth of 122°39'38" a distance of 191.90 feet to a point (PI #96M); thence on an azimuth of 120°08'30" a distance of 263.65 feet to a point (PI #96N); thence on an azimuth of 120°13'09" a distance of 56.04 feet to the POINT OF TERMINATION on the east line of said Northeast Quarter of the Southeast Quarter of Section 14. Said point is located on an azimuth of 181°33'05" a distance of 610.77 feet from the northeast corner of said Northeast Quarter of the Southeast Quarter of Section 14.

Covering in all 991.76 feet or 60.11 rods.  
 Said permanent easement contains 1.14 acres, more or less.

Together with a one-hundred (100) foot wide temporary construction easement for utilities and pipelines of an oil and gas collection system over, under and across the Northeast Quarter (NE1/4) of the Southeast Quarter (SE1/4) of Section 14, Township 148 North, Range 94 West of the 5th Principal Meridian, Dunn County, State of North Dakota, lying twenty-five feet left and seventy-five feet right of the following described line:

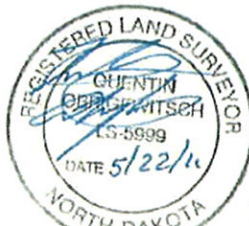
Commencing at the northeast corner of said Northeast Quarter of the Southeast Quarter of Section 14; thence along the north line of said Northeast Quarter of the Southeast Quarter of Section 14 on an azimuth of 271°30'33" a distance of 762.13 feet to the POINT OF BEGINNING; thence on an azimuth of 140°38'20" a distance of 30.23 feet to a point (PI #96I); thence on an azimuth of 147°16'17" a distance of 68.83 feet to a point (PI #96J); thence on an azimuth of 141°35'05" a distance of 282.63 feet to a point (PI #96K); thence on an azimuth of 130°13'36" a distance of 98.68 feet to a point (PI #96L); thence on an azimuth of 122°39'38" a distance of 191.90 feet to a point (PI #96M); thence on an azimuth of 120°08'30" a distance of 263.65 feet to a point (PI #96N); thence on an azimuth of 120°13'09" a distance of 56.04 feet to the POINT OF TERMINATION on the east line of said Northeast Quarter of the Southeast Quarter of Section 14. Said point is located on an azimuth of 181°33'05" a distance of 610.77 feet from the northeast corner of said Northeast Quarter of the Southeast Quarter of Section 14.

Said temporary easements to expire upon completion of construction of said project, or in five years from the date of conveyance, whichever comes first.

Covering in all 991.76 feet or 60.11 rods.  
 Said temporary easement contains 2.38 acres, more or less.

**NOTES:**

- Survey is based on North Dakota State Plane System, NAD83 (96), North Zone, Int. Foot. Azimuths shown are grid azimuths, distances shown are grid distance. Combined scale factor = 1.0003925 to go from grid distance to ground distance.
- Descriptions and sketches of easements depicted herein are based on information obtained while conducting the survey for easement acquisition and on deeds supplied by the client, and DO NOT CONSTITUTE THE RESULTS OF A FULL BOUNDARY SURVEY.



I, Quentin Obergewitsch, Registered Land Surveyor, N.D. RLS No. 5999, do hereby certify that the survey plat shown hereon was made by me, or under my direction, from notes made in the field, and the same is true and correct to the best of my knowledge and belief. The field survey was performed on May 18, 2011 by Kirk Jorgenson.

5/22/11  
 Date

*[Signature]*  
 Quentin Obergewitsch, Registered Land Surveyor  
 N.D. RLS No. 5999

FIELD BOOK: OP-229, Pgs. 38-44

SHEET 2 OF 2

 Kadmas Lee & Jackson Registered Professional Surveyors 1970 East 3rd Avenue, Suite 205 Durango, CO 81301 © Kadmas, Lee & Jackson 2010 PREPARED BY: M. Hender DATE: 11/11/2010 REVISED: 05/20/2011	<b>SADDLE BUTTE PIPELINE</b> <b>2010 MAINLINE EXTENSION</b>	DWG NO. 3710481BAS01
	<b>EASEMENTS ON AND ACROSS THE</b> <b>NE1/4SE1/4 OF SEC. 14, T.148N., R.94W.</b>	JOB NO. 3710481
		SCALE: NONE PARCEL NUMBER 14-148-94-B