

#29

**WEEKLY REPORT
OF
CONSTRUCTION PROGRESS**

PROJECT:

Merricourt - Ellendale, 230kV, TL151
Ashley - Ellendale, 46kV, TL041 UB
Wishek - Ellendale, 230kV, TL089 - Merricourt Taps

DATE: April 5, 2012

WO: J172396
J186381
JXXXXXX

WEEK OF CONSTRUCTION: April 1, 2012 to April 5, 2012

#29

OPERATION		* PERCENT COMPLETION																			
		10	20	30	40	50	60	70	80	90	100										
NEW CONSTRUCTION	4 NO. STRUCTURE LOCATION STAKED																			100%	
	3 NO. MATERIAL HAULED IN FIELD																				100%
	2 NO. STRUCTURE ASSEMBLING																				99%
	2 NO. STRUCTURE ERECTING																				100%
	1 NO. GUY & ANCHOR INSTALLATION																				100%
	230KV 957mcsm acsr 45/7 Conductor 90" E.H.S. Shield wire WIRE STRINGING																				88%
																					86%
	RIGHT OF WAY CLEARING																				90%
RETIREMENT	POLE LINE REMOVAL																				100%
	CONDUCTOR REMOVAL																				100%
	MATERIAL RETURNS (New & Used)																				100%

* Percent completed to period of report -----
Percent completed during period of report *****

REMARKS:

136 PU-10-164 Filed: 4/13/2012 Pages: 5
Merricourt, Ashley, Wishek to Ellendale progress
report, week ending 4-5-2012

Montana-Dakota Utilities Co., a Division of MDU Resources
Group, Inc.

CONTRACTOR:
BRINK CONSTRUCTORS, INC

MONTANA-DAKOTA UTILITIES CO.

BY: S.S.

BY: Kenneth W Fisher HDR

April 1, 2012 To April 5, 2012

Merricourt wind Farm to Ellendale 230KV Project

2 No. Structure assembling T-230-A: 54,32. T-230JP.1

243 total $238 + 4 = 242$

$243 \overline{) 242} = .9959 = 99\%$

2 No. Structure Erecting T-230-A 54,32 T-230JP.1

243 total $238 + 5 = 243$

$243 \overline{) 243} = 1.000 = 100\%$

1 No. Guy anchors installation is 100% Complete

1-W wire string 230KV. 954mm² 5/8 ascr Al/5/8 E.H.S.
shield wire

156,819 ft total $127,827 + 10,076 = 137,903$

$156,819 \overline{) 137,903} = .8794 = 88\%$

OPBW CC-57/465

156,740 Total $134,964$

$156,740 \overline{) 134,964}$ Same as last Report 86%

INSPECTOR'S WEEKLY REPORT

Line: Merrick Wind Farm to Ellendale 230KV Project

Period: April 1, 2012 to April 5, 2012 Contractor: Brink

Inspector: Kenneth W. Fisher General Foreman: Seth Scott

Weather Conditions: Temp. 31° to 64° Workmen Total: 18
Clear, overcast light rain on Monday the 2nd. Wind's 5-30 mph with gust up to 50 mph.

Progress:

1. ~~Roads~~ Landings Built landing of Structures 8, 7, 6, 5, 4, 3 & 2
2. Gates Built _____
(36 MS-70N IRON Suspension clmp); (70-70R-Tie orange Guy marker w/ tie.)
3. Material ~~Placed~~ (195 CORONA RINGS); 6 Guy Strain Ins. 2-clsic)
4. Structures Framed 5, 4, 3 & 2
5. Digging 5, 4, 3, 2 & 1
6. Structures Set 5, 4, 3, 2 Poles only at Structure 1
7. Sock Line Pulled D.E. Structure 43 to between STR. 30-29
8. Wire Strung D.E. Structure 43 to between STR. 30-29
* D.E. STR OPGW wire from STR 55 to STR 30 H D.E.
9. Wire Sagged & Clipped STR. 52 to 45 and 43 to 31 Dampers installed also
and Fence Fixed also Gates were needed From 196 to 120
10. Clean-up from STR. 224 towards STR. 158

Comments:

The Contractor work April 1, 2012 April 5, 2012 the 6 of April
Sunday to Thursday This week Friday to
Monday April 9, 2012 They took 4 for Easter week end.
ON April 3, 2012 Tom Gray with a member of P.S.C. visited the
job.
From D.E. Structure 95 to "H" Structure 30 There's 8.09
miles of 230KV complete as of this Date 4-5-12. OPGW wire
from Ellendale sub to "H" Structure 30 has 26 miles of fiber wire complete
as of this date 4-5-12.

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Mapricant Wind Farm to Ellen Dale REPORTED BY Kenneth W Fisher

DATE April
Sunday 1 2012
Monday 2 2012
Tuesday 3 2012
Wednesday 4 2012
Thursday 5 2012

Brink contractor

MEN	NO.	TRAILS & LANDINGS	POLE & MATERIAL HAULING	HOLE DIGGING	STRUCTURE FRAMING (Ground)	STRUCTURE SETTING	STRUCTURE FRAMING (Aerial)	ANCHOR INSTALLATION	CONDUCTOR HAUL, STRING, SAG, CLIP	CLEAN-UP	LOST TIME DUE TO ADVERSE WEATHER	TOTAL HOURS
FOREMAN <u>General</u>	<u>1</u>								<u>1</u>			<u>52</u>
FOREMAN	<u>1</u>				<u>1</u>							<u>50</u>
FOREMAN	<u>1</u>								<u>1</u>			<u>50</u>
LINEMEN	<u>1</u>								<u>1</u>			<u>44</u>
LINEMEN <u>Appr</u>	<u>4</u>				<u>3</u>				<u>1</u>		<u>2</u>	<u>188</u>
LINEMEN <u>Appr</u>	<u>3</u>								<u>3</u>			<u>132</u>
EQUIP. OPERATORS	<u>1</u>				<u>1</u>				<u>1</u>			<u>55</u>
EQUIP. OPERATORS	<u>3</u>								<u>3</u>			<u>132</u>
EQUIP. OPERATORS	<u>1</u>								<u>1</u>			<u>55</u>
GROUND MEN	<u>2</u>								<u>2</u>			<u>88</u>
TOTAL MEN	<u>18</u>	<u>ON Monday the 2nd only 5 men work. The 13 eleven men did not work due to light rain with winds gusting up to 50mph.</u>										<u>846</u>

EQUIPMENT ON JOB (List on Monday and note only changes during week.)

- | | | |
|--|---|------------------------------------|
| <u>3-2 Ton Pickup</u> | <u>air compressor w 4/Temps</u> | <u>2 Dynamometer</u> |
| <u>2 1 Ton Pickup</u> | <u>air compressor w 2/Temps</u> | <u>1-Siman Telect crane</u> |
| <u>3-3/4 Ton Pickup</u> | <u>3-Tractor w/Flat bed Trailers with</u> | <u>Trailer for conductor reels</u> |
| <u>600 Texoma Hwy Digger</u> | <u>1-Truck Tensioner</u> | <u>High reach w/Basket</u> |
| <u>500 Texoma Hwy Digger</u> | <u>w-12,000 ft of H.L.</u> | |
| <u>John Deere skidder with Digger w/Basket</u> | <u>1-3 drum hard line puller</u> | |
| <u>Series 1800 National crane w/Basket</u> | <u>w-24,000 ft. used for OPGW wire</u> | |
| <u>Series 1300 National crane w/Basket</u> | <u>1-1 drum hard line puller</u> | |
| <u>Series 800 National crane</u> | <u>1-Truck with Tensioner and steel stand used for OPGW wires</u> | |
| <u>John Deere skidder w/National crane</u> | <u>1-Truck w/2 steel stand for 3/4 EHS shield wires</u> | |
| | <u>cat loader w/1.5 cu yd Bucket</u> | |
| | <u>John Deere backhoe 410J</u> | |

WEATHER CONDITIONS (Indicate above approx. time lost due to adverse weather.)

- | | | |
|---|-------------------------|---------------|
| <u>Clear Haze windy 5 to 25</u> | <u>Temp 44° to 62°</u> | <u>4-1-12</u> |
| <u>Overcast light rain windy 5 to 40 mph gust up to 50mph</u> | <u>Temp +40° to 58°</u> | <u>4-2-12</u> |
| <u>Clear windy 5 to 28 mph</u> | <u>Temp 32° to 50°</u> | <u>4-3-12</u> |
| <u>Clear windy 5 to 25 mph to light cloudy</u> | <u>Temp 31° to 59°</u> | <u>4-4-12</u> |
| <u>Clear light clouds windy 5 to 30 mph</u> | <u>Temp 32° to 64°</u> | <u>4-5-12</u> |

