

**WEEKLY REPORT
OF
CONSTRUCTION PROGRESS**

PROJECT:

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

DATE: March 2, 2012

WO: J172396
J186381
JXXXXXX

WEEK OF CONSTRUCTION: Feb 27-2012 to March 2-2012

#24

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																				95%	
	2 NO! STRUCTURE ERECTING																				95%	
	1 NO! GUY & ANCHOR INSTALLATION																				68%	
	230KV 454mm ² HECK 4577 Conductor 3/4" EHS, shield wire WIRE STRINGING CC 54-465																					34%
	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:

130 PU-10-164 Filed: 3/12/2012 Pages: 7
Merricourt, Ashley, Wishek to Ellendale progress report, week ending 3-2-2012

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

February 27th 2012 to March 2 2012

Merricourt Wind Farm Etendable 230KV Project

2 No: structure assembling

243 total structure $230 + 1 = 231$

$$243 \overline{) 231} = .9506 = 95\%$$

3-Pole 53

1 No: Guy and anchors Installation No: 53 & 55

323 total $208 + 11 = 219$ (7 at 53) (4 at 55)

$$323 \overline{) 219} = .6780 = 68\%$$

1W wire string 230KV 954 MCM ACSR $\frac{1}{8}$ EHS
shield wire

156,819 ft total $56.699 + 9,625 = 66.324$

$$156,819 \overline{) 66,324} = .4229 = 42\%$$

Kenneth W. Stokes HDR

INSPECTOR'S WEEKLY REPORT

Line: Merricourt wind Farm to Ellendale 230KV Project

Period: February 29th to March 2, 2012 Contractor: Brink

Inspector: Kenneth W. Fisher General Foreman: Seth Scott

Weather Conditions: overcast Snow 5" Blizzard condition wind 5 to 30mph East Temp to 40mph Workmen Total: 20 to 19

Progress:

1. Roads Built _____
2. ~~Cases Built~~ Anchor Installation 7 at 53 ; 4 at 55 3-Poles T-230JP
3. Material Hauled _____
4. axial #6 ground Structures Framed 53, 50 3-Poles angle.
5. Digging _____
6. Structures Set _____
7. Sock Line Pulled 155-154 to 140-139
8. Wire Strung From 155-154 to 140-139. all wire left at 50% below ^{Sag}
Dampers installed on all wires.
9. Wire Sagged & Clipped 124 to 156
10. Clean-up _____

Comments:

Progress was slow due to Snow 5" Blizzard condition on Wednesday, 29th of February and ground Blizzard on Friday March 2, 2012. Wind gust up to 40mph on Wed. & Friday. Lost ten day of work this week. No work on Saturday this week. All operation well shut down Friday 12:00AM to 3:00PM until Monday March 5th 2012. For more information see Daily Record of Contractor work

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Merricourt Wind farm to Glendale REPORTED BY Kenneth W. Fisher
 February 2012 2012 Project

DATE Monday 20, 2012
Tuesday 28, 2012
wednesday 29, 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 WORK	LOST TIME DUE TO ADVERSE WEATHER	TOTAL HOURS
FOREMAN <i>General</i>	1											24
FOREMAN	2								2			44
FOREMAN	1								1			25
LINEMEN	1								1			25
LINEMEN <i>Appr.</i>	3								3			75
LINEMEN												
LINEMEN <i>Appr.</i>	4								4			96
EQUIP. OPERATORS	1							1				22
EQUIP. OPERATORS	3								3			72
EQUIP. OPERATORS												
GROUND MEN	1							1				22
GROUND MEN	2								2			48
GROUND MEN	1								1			25
GROUND MEN												
TOTAL MEN	20											482

No work on Wednesday February 29, 2012

Due to snow and blowing snow. wind at 20 to 30 mph. Blizzard conditions all days

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

- | | | |
|--|---|------------------------------------|
| <u>2- 2 Ton Pickups</u> | <u>3- Tractor w/ Flat bed Trailer w Two steel wire stand on Trailer</u> | |
| <u>2- 1 Ton Pickups</u> | <u>1- Truck w Tension</u> | <u>1- High reach with basket</u> |
| <u>3- 3/4 Ton Pickups</u> | <u>1- 3rd gen pulley with 12000 ft of handline used for open</u> | <u>1- John Deere backhoe</u> |
| <u>600 Texoma Hwy digger</u> | <u>1- 1 drum pulled with 24000 ft on trailer used for static wire</u> | <u>1- Pole Truck & Trailer</u> |
| <u>500 Texoma Hwy digger</u> | <u>1- Truck with two steel stands</u> | <u>1- Simon telec crane w</u> |
| <u>Sanise 1800 40 Ton crane w w/Basket</u> | <u>1- Truck w 125mm wire stands used for 6060 wire</u> | <u>Dynamometer</u> |
| <u>Sanise 1300 30 Ton crane w/Basket</u> | <u>1- Truck with Tension end stand</u> | |
| <u>Sanise 800 National crane</u> | <u>cat loader w/ 1.5 yards</u> | |
| <u>2 National crane w/ auger mounted on Flat bed Truck</u> | <u>1- 10yd dump Truck</u> | |
| <u>Air compressor w/ 4 Tanks</u> | <u>air compressor w/ 2 Tanks</u> | |

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

- Light overcast wind 5 to 10 mph Temp 0° to 33° wind chill -8° 2-27-12
Overcast wind 5 to 15 mph Temp 15° to 35° 2-28-12
Cloudy, snow wind 10 to 38 mph Temp 20° to 29° snow 5" to 10" wind chill 5° 2-29-12

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Merricourt Wind Farm to Elkton REPORTED BY Kenneth W. Fisher

DATE March
Thursday 1st 2012
Friday 2 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 WORK	LOST TIME DUE TO ADVERSE WEATHER	TOTAL HOURS
FOREMAN <i>General</i>	1								1			16
FOREMAN	1						1 - 19 th		3-1-12			19
FOREMAN	2							2				32
LINEMEN	1						1					16
LINEMEN												
LINEMEN <i>Appr.</i>	3					2		1	3-1-12	3-2-12		41
LINEMEN												
LINEMEN <i>Appr.</i>	4											
EQUIP. OPERATORS								4				64
EQUIP. OPERATORS	3											
EQUIP. OPERATORS								3				48
GROUND MEN	1					1						19
GROUND MEN	2							2				32
GROUND MEN	1							1				16
GROUND MEN												
TOTAL MEN	19						5	14				323

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

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

Overcast Fog until early PM, ^{partly cloudy} wind 5 to 15 mph Temp 21° to 31° 3-1-12

Overcast windy 5 to 30 mph gust up to 40 mph Temp 22° to 33° 3-2-12

