

**WEEKLY REPORT
OF
CONSTRUCTION PROGRESS**

PROJECT:

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

DATE: 11-12-11

WO: J172396
J186381
JXXXXXX

WEEK OF CONSTRUCTION: Nov. 7, 2011 to Nov. 12, 2011

9

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								78%			
	2 NO. STRUCTURE ASSEMBLING		+++ 16.5%									
	2 NO. STRUCTURE ERECTING		14.5%									
	1 NO. GUY & ANCHOR INSTALLATION				36%							
	WIRE STRINGING											
	RIGHT OF WAY CLEARING											
RETIREMENT	POLE LINE REMOVAL										→	+++ 97%
	CONDUCTOR REMOVAL											→ 100%
	MATERIAL RETURNS (New & Used)											→ 100%

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

REMARKS:

112 PU-10-164 Filed: 11/28/2011 Pages: 11
Merricourt to Ellendale TL151 progress report, week ending 11-12-11

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

CONTRACTOR:
BRINK CONSTRUCTORS, INC

MONTANA-DAKOTA UTILITIES CO.

BY: AH

BY: Kenneth W. Fisher

November 7 to November 12, 2011

9 Merrick Wind Farm to Ellendale 230KV Project

2 NO: Structure assembling

243 Total Structures sub 25 = 10.3% # 8

92 3-Pole; 123, 198, 197, 196, 195, 194; 193; 240; 239; 238;

237; 236; 235; 234 = 14 2-poles Structure 1-3-pole Structure
So a total of 15 Structure assembled.

$243 \div 15 = .0617 = 6.2\%$ # 9 Sub Total

$243 \div 146 = .1656 = 16.5\%$ # 9 Total

$10.3 + 6.2 = 16.5\%$

2 NO: Structure Erecting

243 Total sub 25 = 10.2% 10.2% # 8

95 3-poles

92 3-poles

123 2-poles $243 \div 21 = 11.5\%$ # 9

1 NO: Guy and anchor installation

323 Total

$323 \div 119 = .2755 = 28\%$

$323 \div 29 = .0836 = 8\%$

36% # 9

4 NO: Structure Location Staked

24 to 1

243 to 243 or 100%

Kenneth A Fisher

INSPECTOR'S WEEKLY REPORT

Line: Marricant Wind Farm to Ellen Lake 230KV Project

Period: November 8, 2011 to Nov 13, 2011 Contractor: BRINK

Inspector: Kenneth W. Fisher General Foreman: Adam Hatley

Weather Conditions: Temp 19° to 50° Workmen Total: 17-13

Progress:

- 1. Roads Built _____
- 2. Gates Built _____
- 3. Material Hauled Finished old poles crossarm to land down property is 100% Complete
- 4. Structures Framed 92; 123; 198 to 193; 240 to 234
- 5. Digging 92; 123
- 6. Structures Set 92; 123
- 7. Sock Line Pulled _____
- 8. Wire Strung _____
- 9. Wire Sagged & Clipped _____
- 10. Screw anchors ~~Clipped~~ 92 Installed 15 screw anchors. 5 will go due to layer below ground.

Comments:

hauling crew finished hauling all old poles and cross arms to property owner listed on Daily Record of Contractors work sheets. 11-7-11. 11-10-11.

called Tom crage to see if we could get Plate anchor for structure 92 - 3 pda's J.P. Due to large rocks under the ground unable to use

screw anchors. This week crew started to Ground Framing 4 structure. From structure 198 Towards Str 95 From structure 240 Towards Str 201

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Merricourt Wind Farm to Ellendale REPORTED BY Kenneth W. Fisher
230KV Project

DATE Monday 7 2011
Tuesday 8 2011

MEN	NO.	TRAILS & LANDINGS	11-7-11 POLE & WIRE HAYLING	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>Supintendent</i>	1											22
FOREMAN	1					1x	y					22
FOREMAN	1		1									22
LINEMEN												
LINEMEN												
LINEMEN <i>appr.</i>	2		2									44
LINEMEN <i>appr.</i>	4				3		x	1y				88
LINEMEN												
EQUIP. OPERATORS	1		1									22
EQUIP. OPERATORS												
EQUIP. OPERATORS												
GROUNDMEN	1							1y				22
GROUNDMEN	2		2									44
GROUNDMEN												
GROUNDMEN												
TOTAL MEN	13											286

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

- 1- 3/4 Ton Pickups air. Compressor Truck w/4 Tamps
- 2- 2 Ton Pickup _____
- National 30 Ton crane rubber tire _____
- National 30 Ton crane w/ Basket _____
- Live Truck crane 10 Ton _____
- Texoma Highway digger 500 _____
- Small trailer w/ 7/8" buy wire 2 pool stands _____
- Tractor w/ Pole Trailer _____
- Tractor w/ Flat bed trailer _____
- Small trailer w/ screw anchors _____

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

- 11-7-11 clear windy 5 to 25 mph. Gust up to 35-40 Temp 29° to 49°
- 11-8-11 clear windy 5 to 10 mph Temp 19° to 44°

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

PROJECT Merricourt Wind Farm & Effort REPORTED BY Kenneth W. Sisk

DATE Wednesday 9, 2011
Thursday 10, 2011
Brink Contractor

MEN	NO.	TRAILS & LANDINGS	11-9-11 POLE & WIRE 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>Supervisor</i>	1											22
FOREMAN	1					* 1						11
FOREMAN	1		1		1							44
LINEMEN												
LINEMEN <i>Appr</i>	2		2									44
LINEMEN <i>Appr</i>	2				2							22
LINEMEN <i>Appr</i>	4					* 3	* 1					88
EQUIP. OPERATORS	1		1									22
EQUIP. OPERATORS												
EQUIP. OPERATORS												
GROUNDMEN	1					*	* 1					22
GROUNDMEN	2				2							44
GROUNDMEN	2		1									22
GROUNDMEN												
TOTAL MEN	17	11 HR days										341

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

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

11-9-11 Clear windy 5 to 25 mph gust to 45 mph Temp 26° to 48°

11-10-11 Cloudy wind 5 to 10 mph Temp 18° to 49°

DAILY RECORD OF CONTRACTORS WORK

11-9-11 To 11-10-11

STAND NO.	DIGGING-FT.		POLES SET	STRUCTURE <i>Actual</i> FRAMED	ANCHORS INSTALLED	AERIAL MARKER	FENCE GATES
	EARTH	ROCK					
11-9-11 11-10-11	123		1-110 cl-1	A-230-A DRL			
	Finished Area	Draming this str.	1-110 cl-1	T-46-H Set			
	92				12 screw anchor were installed		
		Guy adaptor	Twineye 55 1/2"				
		screw anchor	Two 10" helix 55 1/2"				
		Expansion Rod	1 1/2 sq 3 1/2"		4-	11-9-11	
		Expansion Rod	1 1/2 sq 7'	To Rock to installed screw anchor. Next Plate anchors			
		Shear 12 pins	2 1/2 2 1/2	Twist and sets			
	on the 11-9-11	installed	(Guy) screw anchor	Pluggin has been solid do			
			Large Rock below ground.				
	198		Ground Framed	T230-ADRL Plus	T-46-H Set		
	199		"	"	"	"	"

PROGRESS OF CONDUCTOR STRINGING, SAGGING, CLIPPING

Called Tom Cray, asked Tom if we could put in Plate anchors for 6 anchors for structure 92 JP 9-pole. To Rocky and Large rock to screw anchors. Bond the anchor two 10" helix 55 1/2" Rod Plus 7' 1/2" Extension Rod 1 1/2 sq.

GENERAL REMARKS (Include R/W, Material, Inspection Decisions)

11-9-11
8
11-10-11
Crew unloaded old pole and cross arms just south of Grain bins ON Scott market property. ^{crew} Earl Webster, Robert Louke, & Gerald Gulke Property.

Crew set one Pole of structure 123. The second hole was not dug deep enough. Will Regig on Thursday 10th.

Crew ground framed structure listed above.

anchors to be installed on this project.

STI. anchors	STI. anchors
243 (8)	95 (18)
241 (16)	92 (20)
200 (14)	87 (20)
199 (7)	84 (8)
163 (16)	83 (20)
133 (14)	80 (8)
120 (14)	73 (8)
89 anchors	71 (8)
	67 (20)
	59 (8)
	55 (20)
89	53 (20)
<u>234</u>	50 (4)
323 Total anchors	47 (4)
To be installed.	43 (20)
	29 (8)
	1 (20)
	234 anchors

Kenneth W. Fisher 11-12-11

Structure No. 92
F-230 JP 20 anchors

To Rocky under ground to install
Screw anchors
Need Plate anchors

