

**WEEKLY REPORT
OF
CONSTRUCTION PROGRESS**

PROJECT:

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

DATE: February 25, 2012

WO: J172396
J186381
JXXXXXX

WEEK OF CONSTRUCTION: Feb 20, 2012 to Feb 25, 2012
23

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																					64%
	230KV 954mm ² OCSR 45/7 Conductor 3/4 EHS. shield wire OPGW wire CF. 54-465																					36%
	WIRE STRINGING																					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:

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Merricourt, Ashley, Wishek to Ellendale progress
report, week ending 2-25-2012

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 19, 2012 to February 25, 2012

Merrisourt wind Farm Ellen Dale 230KV Project

2 No: Structure assembling ^{#20} #23

243 total Structure 227 + 3 = 230

243 | 230 = .9465 = 95%

3-Poles 71, 67, 59

2 No: Structure Erecting ^{#20} #23

243 total Structure 226 + 6 = 232

243 | 232 = .9547 = 95%

3-Poles 71, 67, 59, 55, 53

1 No: Guy and anchors installation ^{#22} #23

323 total 194 + 14 = 208

323 | 208 = .6440 = 64%

No: 67-1

No: 53-13

1 W: wire string 230KV 954 mm² ACSR, ^{#22} ^{#23} 3/8 EHS, shield wire

156819 ft. total 23090 + 9790 + 9379 + 9550 = 56699

156819 | 56699 = .3616 = 36%

1 W B: OPBW wire CC 57/465

156740 ft total ^{#27} 34,901 + 18441 = 53,342

156740 | 53,342 = .3403 = 34%

INSPECTOR'S WEEKLY REPORT

Line: Merricourt Wood Farm to Ellendale 230KV Project

Period: February 20, 2012 to Feb 25, 2012 Contractor: Brink

Inspector: Kenneth W. Fisher General Foreman: Seth Scott

Weather Conditions: Partly cloudy to overcast snow at times cool
windy 5 to 25 mph. Temp. 1° to 35° Workmen Total: 21

Progress:

1. Roads Built _____
2. ~~Cables Built~~ Installation 1 anchor at 6 and 13 anchor at 5.9
3. Material Hauled _____
4. Structures Framed 3-Pole Structure 59
5. Digging 3-Pole Structure 55, 53
6. Structures Set 3-Pole Structure 55, 53
7. Sock Line Pulled Structure 184 to between 155-154 snubs
8. Wire Strung Same as No. 7
9. Wire Sagged & Clipped From structure 195 to 156
10. ~~Clean up~~ OPBW Fiber from 187 to 158 sagged clipped from 187 to 158

Comments:

Anchor crew was going to install 8 anchors for 3-pole 59. There
where no anchor stakes left. Call HDR, got measurement
will re-stake anchor crew moved to 53 installed 13 anchors out of
20 anchors. Aerial framing crew dug and set 3-pole structures 55 & 53.
Short large Pole Bands. Tom crazy order some large Pole bands
should be here by Monday the 27th of February 2012.

Crew pulled Sock Line, shield wire & OPBW wire from structure 184 to between
Structure 155-154^{snubs} OPBW from structure 187 to structure 158 on H structure
Down Guy to pull Temporary anchors.

TRANSMISSION LINE CONSTRUCTION

RECORD OF CONTRACTORS TIME & EQUIPMENT

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

DATE Monday 20, 2012
Tuesday 21, 2012
Wednesday 22, 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	<u>General</u>	1											33
FOREMAN		1						1					33
FOREMAN		2								2			66
LINEMEN		1								1			
LINEMEN													
LINEMEN	<u>Hooper</u>	3						3					99
LINEMEN	<u>Hooper</u>	4								4			132
LINEMEN													
EQUIP. OPERATORS		1											
EQUIP. OPERATORS		3								1 x Helped Hwy 11 crossing		2-22-12 on	33
EQUIP. OPERATORS									3				99
GROUND MEN		1								1 x Helped Hwy 11 crossing		2-22-12 on	33
GROUND MEN													
GROUND MEN													
GROUND MEN		3											99
Mechanic		1								1			33
TOTAL MEN		21											693

* Framing Ground Aerial; digging and setting; 3-Poles Structure

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

<u>2- 2 Ton Pickups</u>	<u>3 Trailers w/ Flatbed Trailer with two steel wire stands each w/ Basket</u>	<u>1-Series 8000 National crane</u>
<u>2- 1 Ton Pickups</u>	<u>1-Truck w/ Tensioner Hand line</u>	<u>1-High reach with basket</u>
<u>3- 3/4 Ton Pickups</u>	<u>1-3 drum pulley w/ 12,000ft of rope sock line used for OPAW wire</u>	<u>1-John Deere backhoe</u>
<u>600 Texoma Hwy digger</u>	<u>1-Klein pulley with 24,000ft on trailer used for static wire</u>	<u>1-Pole Truck with trailer</u>
<u>500 Texoma Hwy digger</u>	<u>1-Truck with 2 steel stands on trailer</u>	<u>1-Simon Telebit crane w/ angle</u>
<u>Series 1800 40 Ton crane w/ Basket</u>	<u>1-Truck with 2 temp wire stands on trailer</u>	<u>1-Mechanics Truck</u>
<u>Series 1300 30 Ton crane w/ Basket</u>	<u>1-Truck with Tensioner and stand bucket</u>	<u>Dy/Romance tower on each skidder</u>
<u>2-National crane w/ angle mounted on flat bed truck</u>	<u>cat loader w/ 1.5 cu yds</u>	<u>2-John Deere skidders w/ winches</u>
<u>air compressor w/ 4 Tamps</u>	<u>1-10 cu yd Dump Truck</u>	
<u>air compressor w/ 2 Tamps</u>	<u>1-5 cu yd Rock Truck</u>	

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

<u>overcast snow 5 to 15 mph wind Temp 20° to 32°</u>	<u>2- 20-12</u>
<u>Ptly cloudy cool windy 5 to 30 mph Temp 25° to 35°</u>	<u>2- 21-12</u>
<u>Ptly cloudy cool wind 5 to 25 mph Temp 16° to 33°</u>	<u>2- 22-12</u>

DAILY RECORD OF CONTRACTORS WORK

2-20-12, 2-21-12 & 2-22-12

STAND NO.	DIGGING-FT.		POLES SET	STRUCTURE <small>Ground Aerial</small> FRAMED	ANCHORS INSTALLED	AERIAL MARKER	FENCE GATES
	EARTH	ROCK					
67	Pinset	1	1st anchor	2-20-12	1-anchor	Screw in	
59	There no anchor stake found. Call Utility to get information To stake 2 anchors for this 3 pole T-230 F Structure						
55			(3-95cl-2)	T-230 JP	ground Framed		
	19.0'		1-95cl-2	dug and set	2-20-12		
	25.5		2-95cl-2	" "	" "	2-21-12 & 2-22-12	
53	24.5'	2-21-12	2-100 H-1	T-230 JP	20 anchors to be installed		
					4 anchors installed	2-20-12	
					9 anchors installed	2-21-12	
					193-192	Section Line Road crossing	
					183-182	HWY 11 crossing;	
2-22-12					175-174	Single Phase Hot line crossing	
					159-158	cross Forbes HWY.	
					150-149	Single Phase hotline	

PROGRESS OF CONDUCTOR STRINGING, SAGGING, CLIPPING *Sagged 3-Conductor Phases and 1-Shield wire Phases from Structure 198 to between 184-183 where snub is set. Then started clipping in all Phases from 198 towards 185. 2-22-12, 2-22-12 Pulled in 3-Phase Hotline and 3/8" static wire and OPGW wire from 184-183 to 169. OPGW from 182 to 158. Then pulled 3 Phases of 954 Conductor wire from 184 to 170-169 and OPGW from 182 to 158. This Pull was crossing HWY 11 between 183-182 and single Phases hotline between 175-174 (9379 lb of Conductor wire and 3/8" static wire. 1.78 miles 18,441 lb of OPGW wire from 182-158 (3.49 miles*

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

11 Men working on wire operation from 198 to 182. Hung dillies w/ Pole Line for 3-Conductor Phases, one shield wire phase and 1-OPGW Phases from 182 to 183 this week

6 men Ground Drilling and aerial Digging poles, that were dug and set by same crew. Also Hung all low wires from Pole bands attachments to their anchors location.

2 men working on installing screw anchors at angle structure 3-Poles listed above. On 2-22-12 crew helped all day with HWY crossing on HWY 11 with Pulling hotline and wire Phases for Conductor, 3/8" static and OPGW wires.

