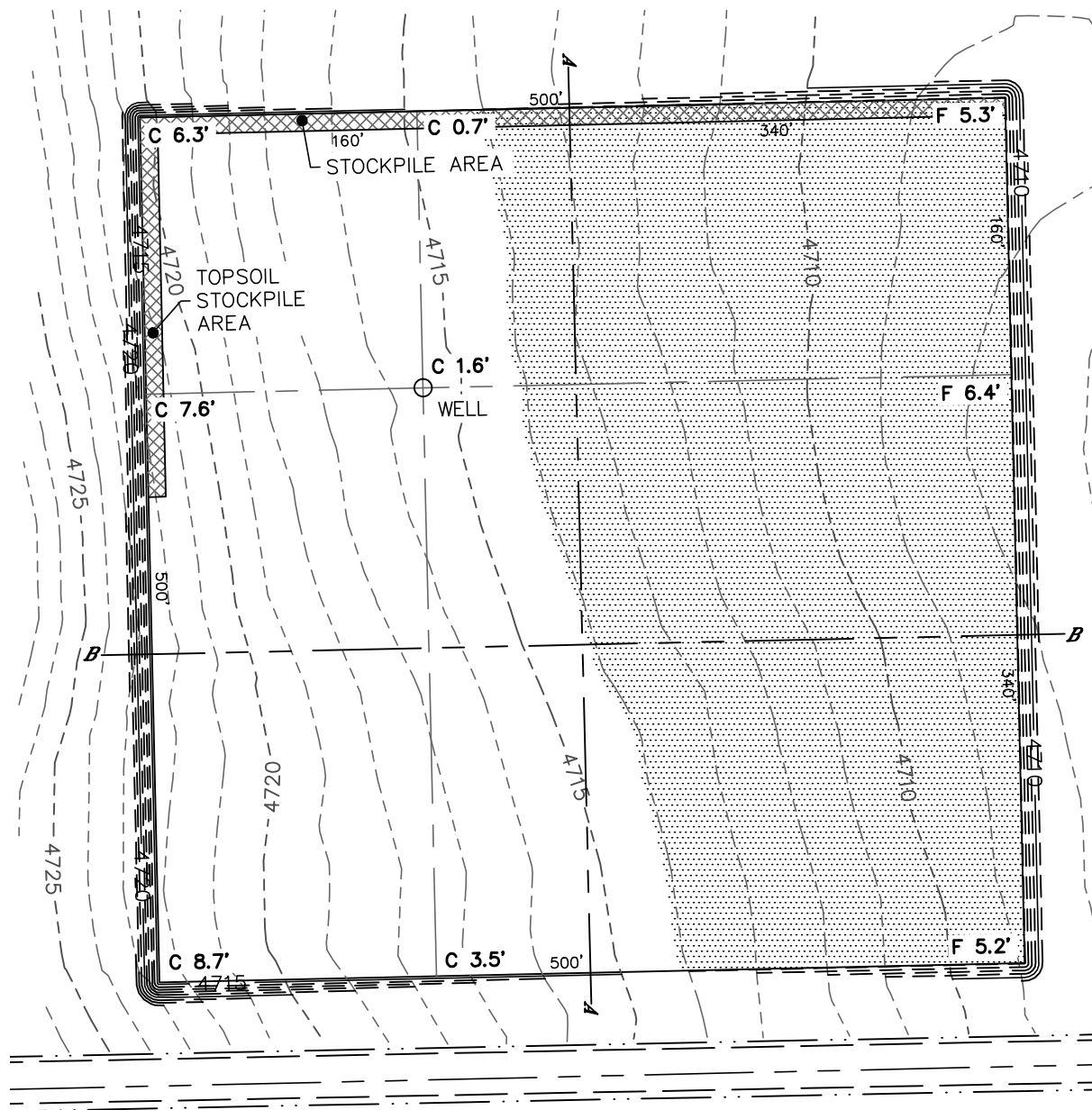


CUT & FILL DIAGRAM

BOBCAT 0-31 PAD

SECTION: 31
TOWNSHIP: 7N
RANGE: 61W



OPERATOR: BONANZA CREEK ENERGY

LOCATION: 400' FSL, 2296' FEL

EXISTING ELEV= 4715.7'

PROPOSED ELEV= 4714.1'

DISTURBANCE= 6.2 ACRES

ESTIMATED EARTHWORK:

TOPSOIL= 9,941 CY

CUT= 16,149 CY


FILL= 16,139 CY

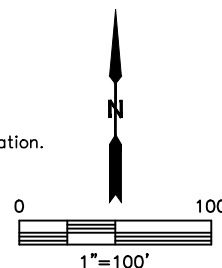
EXCESS= 10 CY

NOTE:

- 1) Ground elevations are based on an observed GPS elevation (NAVD 1988 DATUM).
- 2) No allowance has been made for soil expansion or compaction
- 3) Proposed elevation does not account for top soil removal.
- 4) Top soil volume assumes 12" depth across entire location.
- 5) Fill slopes 2:1
- 6) Cut slopes 1.5:1

LEGEND

EX. CONTOUR	-----
PRO. CONTOUR	-----
FILL AREA	



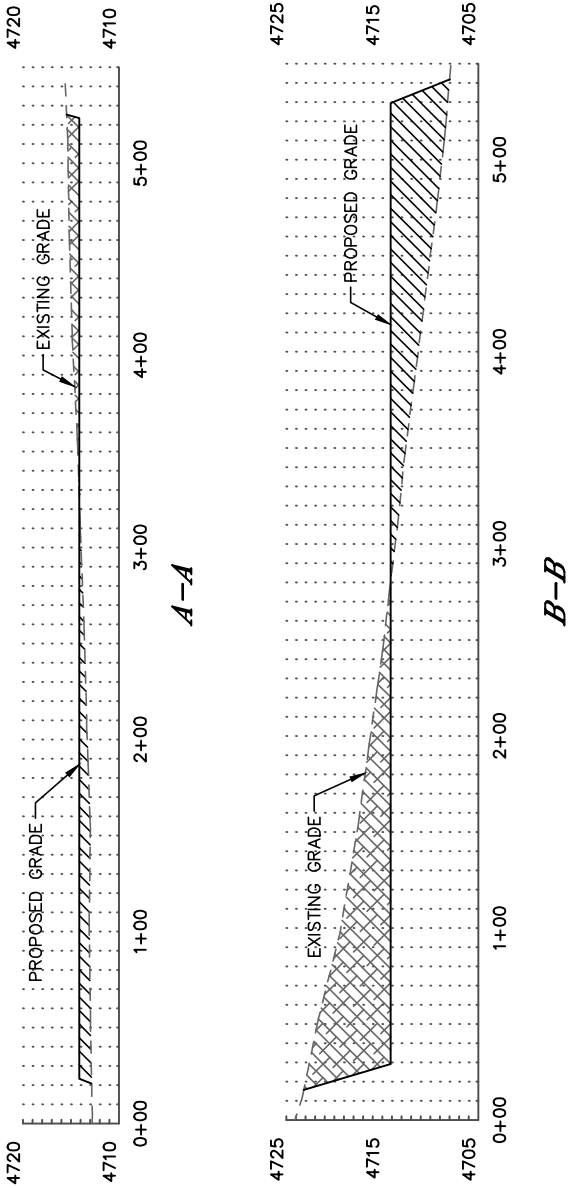
SHEET 1 OF 2

DATE: 8/20/2014
PROJECT#: 2014143



CROSS SECTION DIAGRAM
BOBCAT O-31 PAD

SECTION: 31
TOWNSHIP: 7N
RANGE: 61W



HORIZONTAL SCALE: 1"=100', VERTICAL SCALE: 1"=20'