



**NOTE:**

1. AFTER COMPLETION OF WELL PAD GRADING, PLATING MATERIAL WILL BE PLACED AT A DEPTH OF 0.8 FEET AND COMPACTED USING MOBILE EQUIPMENT.
2. EXISTING UTILITIES DISPLAYED ON THE GRADING PLAN ARE FOR REFERENCE PURPOSES ONLY. PRIOR TO CONSTRUCTION OR EARTHWORK, CONTRACTOR WILL BE RESPONSIBLE TO CALL FOR LOCATES: (800) 922-1987
3. CENTER OF WELL PAD REFERENCED BELOW CORRESPONDS TO THE SURFACE LOCATION OF THE ZADEL 16C-35HZ WELL.

**WELL PAD - ZADEL 13-34HZ DESIGN SUMMARY**

**WELL PAD QUANTITIES AND DESIGN PARAMETERS**

EXISTING GRADE @ CENTER OF WELL PAD = 4792.3'  
 FINISHED GRADE ELEVATION = 4788.1'  
 CUT SLOPES = 3:1  
 FILL SLOPES = 3:1  
 SHRINKAGE FACTOR = 1.10  
 SWELL FACTOR = 1.00  
 TOTAL WELL PAD AREA = 5.92 ACRES  
 TOTAL DISTURBANCE AREA = 7.11 ACRES

**WELL PAD QUANTITIES**

TOTAL CUT FOR WELL PAD = 34,504 C.Y.  
 TOTAL FILL FOR WELL PAD = 34,504 C.Y.  
 TOPSOIL @ 4" DEPTH = 3,182 C.Y.  
 EXCESS MATERIAL = 0 C.Y.

PLATING MATERIAL VOLUME  
 TO BE ADDED TO WELL PAD = 5,530 C.Y.  
 (ASSUMING 0.8 FEET DEPTH)

**WELL PAD LEGEND**

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- EXISTING PIPELINE
- PROPOSED PIPELINE
- EXISTING FENCE
- PROPOSED UNDERGROUND ELECTRIC LINE



HORIZONTAL 0 50' 100' 1" = 100'  
 2' CONTOURS

**WELL PAD - ZADEL 13-34HZ**

WELL PAD - GRADING PLAN  
 ZADEL 16C-35HZ,  
 ZADEL 38N-35HZ & ZADEL 38C-35HZ  
 LOCATED IN SECTION 34  
 T4N, R67W, 6TH P.M.  
 WELD COUNTY, COLORADO

**Kerr-McGee Oil &  
 Gas Onshore L.P.**  
 1099 18th Street  
 Denver, Colorado 80202



LOVELAND OFFICE  
 1635 Foxtrail Drive, Suite 204  
 Loveland, Colorado 80538  
 Phone 970-776-4331  
 SHERIDAN OFFICE  
 2155 North Main Street  
 Sheridan, Wyoming 82801  
 Phone 307-674-0609

SCALE: 1"=100' DATE: 8/23/13 SHEET NO:

REVISED: **1** 1 OF 1