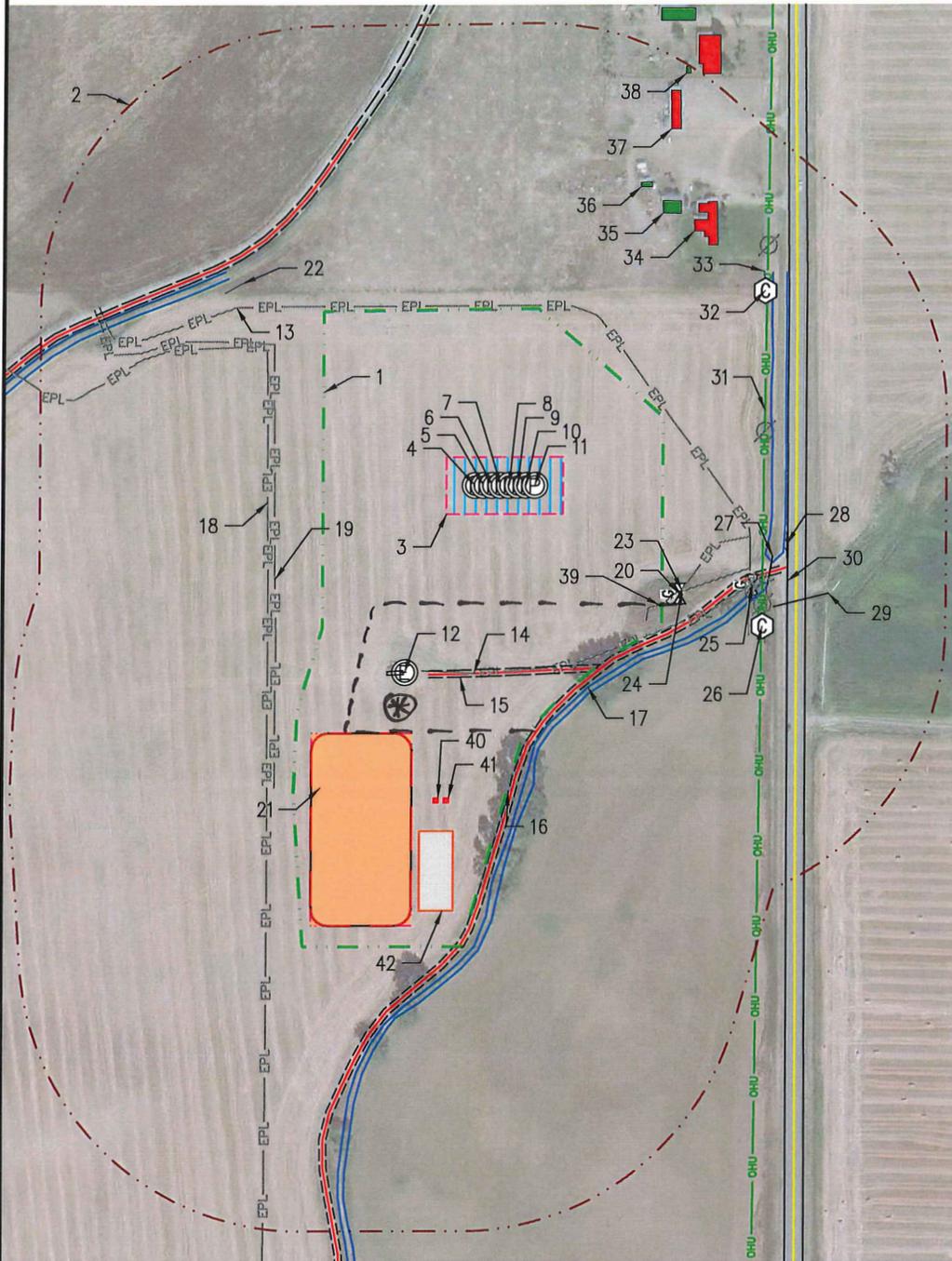


# LOCATION DRAWING TULA 9-12HZ PAD

HORIZONTAL MULTI-WELL PAD  
NE 1/4 SE1/4 SECTION 12, TOWNSHIP 1 NORTH, RANGE 68 WEST, 6TH P.M.



1. OPERATION DISTURBANCE AREA
2. 500' BUFFER
3. PUMP JACK OPERATIONS AREA
4. PROPOSED WELL TULA 12-9HZ
5. PROPOSED WELL TULA 12-10HZ
6. PROPOSED WELL TULA 12-11HZ
7. PROPOSED WELL TULA 12-12HZ
8. PROPOSED WELL TULA 12-13HZ
9. PROPOSED WELL TULA 12-14HZ
10. PROPOSED WELL TULA 12-15HZ
11. PROPOSED WELL TULA 12-16HZ
12. EXISTING WELL FOREMAN UNIT #2 ±350' SW
13. EXISTING PIPELINE ±315' N
14. EXISTING PIPELINE ±338' S
15. EXISTING ACCESS ROAD ±324' S
16. EXISTING ACCESS ROAD ±385' S
17. EXISTING DITCH ±407' SE
18. EXISTING PIPELINE ±368' W
19. EXISTING PIPELINE ±355' W
20. GAS VALVE ±395' SE
21. PROPOSED FACILITY ±457' SW
22. FENCE ±546' NW
23. EXISTING PIPELINE ±410' SE
24. EXISTING PIPELINE ±411' SE
25. GAS VALVE ±520' SE
26. COMMUNICATIONS PEDESTAL ±565' SE
27. 18" CONCRETE PIPE ±540' SE
28. REFLECTOR POST ±559' SE
29. 18" CONCRETE PIPE ±569' SE
30. WCR 13 ±551' E
31. OVERHEAD UTILITY ±509' E
32. COMMUNICATIONS PEDESTAL ±613' NE
33. FENCE ±611' NE
34. BUILDING UNIT ±586' NE
35. BUILDING ±580' NE
36. BUILDING ±598' NE
37. BUILDING UNIT ±713' NE
38. BUILDING ±811' NE
39. EXISTING PIPELINE ±374' SE
40. PROPOSED TEMPORARY ECD ±552' S
41. PROPOSED TEMPORARY ECD ±551' S
42. PROPOSED TEMPORARY EQUIPMENT ±608' S

	EXISTING WELL		PRIVATE ROAD		DITCH/CANAL/DRAINAGE		POND
	PROPOSED WELL		500' BUFFER		OHU		OVERHEAD UTILITY LINE
	WATER WELL		DISTURBANCE AREA				EXISTING FACILITY
	EXISTING FENCE		PUMP JACK AREA				EXISTING BUILDINGS
	PUBLIC ROAD		PROPOSED FACILITY				RESIDENCE/BUILDING UNIT

DATA SOURCES:  
 -AERIAL COURTESY OF BING  
 -WATER WELLS COURTESY OF DIVISION OF WATER RESOURCES

SURFACE USE: IRRIGATED CROP  
 NEAREST BUILDING UNIT: ±586' NE

WELL PAD -- TULA 9-12HZ PAD

\*REFERENCE LOCATION\*  
 ALL MEASUREMENTS ARE MADE FROM  
 REFERENCE WELL: TULA 12-9HZ  
 LAT: 40.064867° LONG: -104.944308°  
 EXISTING GROUND ELEVATION=5109.7'  
 WELL FOOTAGES: 2292' FSL & 537' FEL

**Kerr-McGee Oil &  
Gas Onshore L.P.**

1099 18th Street  
Denver, Colorado 80202

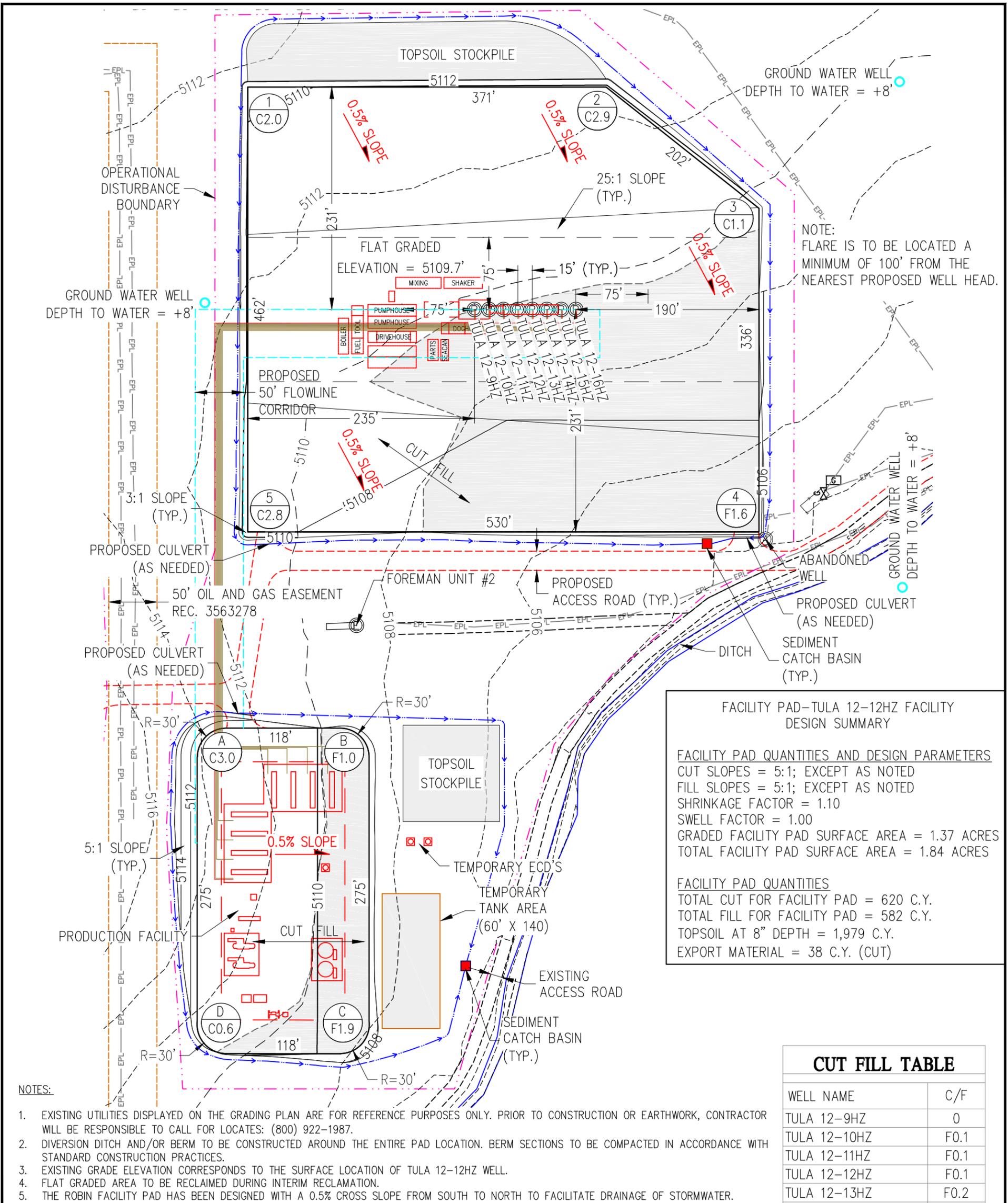
DRAWN BY	JMH	CHECKED BY	AAD
INITIAL SUBMITTAL	3/13/2018	REVISED	3/22/2018
DRAWING SIZE	8.5" X 11"	JOB NO.	ANAD168W12-01
SHEET	1 OF 1		

**BASELINE**  
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⊗ Area around Foreman Unit #2 well will not be disturbed (shown with dashed line ----)

M:\Co - Well Head Staking\ANAD168W12-01 (TULA)\Drawings\ANAD168W12-01(TULA) EAST 2A.dwg, 3/22/2018 1:50:17 PM, Joyme Hobbs



NOTE:  
FLARE IS TO BE LOCATED A  
MINIMUM OF 100' FROM THE  
NEAREST PROPOSED WELL HEAD.

**FACILITY PAD-TULA 12-12HZ FACILITY DESIGN SUMMARY**

**FACILITY PAD QUANTITIES AND DESIGN PARAMETERS**  
 CUT SLOPES = 5:1; EXCEPT AS NOTED  
 FILL SLOPES = 5:1; EXCEPT AS NOTED  
 SHRINKAGE FACTOR = 1.10  
 SWELL FACTOR = 1.00  
 GRADED FACILITY PAD SURFACE AREA = 1.37 ACRES  
 TOTAL FACILITY PAD SURFACE AREA = 1.84 ACRES

**FACILITY PAD QUANTITIES**  
 TOTAL CUT FOR FACILITY PAD = 620 C.Y.  
 TOTAL FILL FOR FACILITY PAD = 582 C.Y.  
 TOPSOIL AT 8" DEPTH = 1,979 C.Y.  
 EXPORT MATERIAL = 38 C.Y. (CUT)

**CUT FILL TABLE**

WELL NAME	C/F
TULA 12-9HZ	0
TULA 12-10HZ	F0.1
TULA 12-11HZ	F0.1
TULA 12-12HZ	F0.1
TULA 12-13HZ	F0.2
TULA 12-14HZ	F0.2
TULA 12-15HZ	F0.3
TULA 12-16HZ	F0.4

- NOTES:**
- 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.
  - DIVERSION DITCH AND/OR BERM TO BE CONSTRUCTED AROUND THE ENTIRE PAD LOCATION. BERM SECTIONS TO BE COMPACTED IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICES.
  - EXISTING GRADE ELEVATION CORRESPONDS TO THE SURFACE LOCATION OF TULA 12-12HZ WELL.
  - FLAT GRADED AREA TO BE RECLAIMED DURING INTERIM RECLAMATION.
  - THE ROBIN FACILITY PAD HAS BEEN DESIGNED WITH A 0.5% CROSS SLOPE FROM SOUTH TO NORTH TO FACILITATE DRAINAGE OF STORMWATER.

**WELL PAD TULA 12-13HZ DESIGN SUMMARY**

WELL PAD QUANTITIES AND DESIGN PARAMETERS	WELL PAD QUANTITIES
EXISTING GRADE ELEVATION = 5109.5'	TOTAL CUT FOR WELL PAD = 4,297 C.Y.
FINISHED GRADE ELEVATION = 5109.6'	TOTAL FILL FOR WELL PAD = 4,012 C.Y.
CUT SLOPES = 3:1; EXCEPT AS NOTED	TOPSOIL AT 8" DEPTH = 6,101 C.Y.
FILL SLOPES = 3:1; EXCEPT AS NOTED	EXPORT MATERIAL = 285 C.Y. (CUT)
SHRINKAGE FACTOR = 1.10	
SWELL FACTOR = 1.00	
GRADED WELL PAD SURFACE AREA = 5.39 ACRES	
TOTAL WELL PAD SURFACE AREA = 5.67 ACRES	
OPERATIONAL DISTURBANCE AREA = 12.28 ACRES	

**DRAFT**

**LEGEND:**

	OVERHEAD UTILITY		EXISTING WELL
	ROW		PROPOSED WELL
	EXISTING PIPELINE		GAS VALVE
	EDGE OF PAD/FACILITY		GROUND WATER WELL
	DIVERSION DITCH AND/OR BERM		POWERPOLE
	EXISTING CONTOUR (2' INTERVAL)		SECTION CORNER AS DESCRIBED
	PROPOSED CONTOUR (2' INTERVAL)		

	<p><b>Kerr-McGee Oil &amp; Gas Onshore L.P.</b> 1099 18th Street Denver, Colorado 80202</p>	<p><b>BASELINE</b> Engineering - Planning - Surveying 4007 S. LINCOLN AVENUE, SUITE 405 - LOVELAND, COLORADO 80537 P. 970.953.7600 - F. 970.953.7601 - www.baselinecorp.com</p>	<p>DRAWN BY: JMH</p> <p>CHECKED BY: AAD</p>	<p>SCALE: 1"=100'</p> <p>DATE SURVEYED: 04/06/2017</p> <p>INITIAL SUBMITTAL: 5/1/2017</p> <p>JOB NO.: ANA01N6W12-01</p> <p>REVISED: 1/15/2017</p>	<p><b>WELL PAD - TULA 12-13HZ</b></p> <p>WELL PAD - GRADING PLAN TULA 12-9HZ, TULA 12-10HZ, TULA 12-11HZ, TULA 12-12HZ, TULA 12-13HZ, TULA 12-14HZ, TULA 12-15HZ, TULA 12-16HZ. LOCATED IN SECTION 12, T1N, R68W, 6TH P.M. WELD COUNTY, COLORADO</p>
			<p>0 100' Scale 1" = 100' ft</p> <p>2' CONTOURS</p>		