MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Fairview - Major County
3.	MLRA	78C
4.	COMMON RESOURCE AREA (CRA)	078C.40.001
5.	RESOURCE INTERPRETATIONS	
5.1	SOIL	Soil Legends, Technical/Non-Technical Soils Interpretations
5.2	WATER	Water Quantity and Quality Interpretations
5.3	AIR	
5.4	PLANT	Pastureland and Hayland Interpretations
5.5	ANIMAL	Threatened and Endangered Species List
5.6	HUMAN	
6.	HYDROLOGIC UNIT	11050001-090; 11100301-030
7.	SYSTEM TEMPLATE LABEL	FAJZA
8.	SYSTEM NAME	Sandy Uplands
9.	PLANNING PHASE	Benchmark
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Pasture
12.	EXISTING CONSERVATION PRACTICES	

1. Pasture Planting (512)
2. Trough or Tank (614)
3. Wells (642)
4.
5.

13. SYSTEM NARRATIVE

This system consists of introduced pasture grasses, Old world bluestem and Weeping lovegrass, that are used for livestock production. The landscape consists of gently rolling to moderately sloping sandy textured soils. Poor economic conditions have restricted the use of pasture management practices such as rotational grazing, installation of adequate livestock watering facilities and nutrient management. Lack of good grazing practices has lowered plant health and vigor and reduced overall plant growth and harvest. Heavy rainfall events can create erosive gullies and promote soil erosion on oil field drilling sites. The sandy texture of the soil has the potential to leach contaminants into the groundwater supply.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil - Erosion - Gullies	1. 60 tons/year
	2. Soil - Erosion - Drilling Sites	2. 20 tons/year
	3. Water - Quality - Groundwater	3. Contaminated groundwater
	4. Plant - Condition - Health & Vigor	4. Poor forage production
	5. Plant - Mngmt. - Est./Growth/Harvest	5. Poor grazing distribution
	6. Plant - Mngmt. - Nutrient	6. Improper fertilization rates
	7. Animals - Mngmt. - Pop. & Res. Bal.	7. Decrease forage production
	8.	8.
	9.	9.
	10.	10.

SANDY UPLANDS 78C
PASTURE

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect Short	Term Effect Long	Meets Quality Criteria Benchmark Yes	Meets Quality Criteria Benchmark No	Meets Quality Criteria Planned Yes	Meets Quality Criteria Planned No
SOIL						
Erosion						
Sheet and rill			✓		All yes	
Wind			✓			
Irrigation induced			✓			
Concentrated flow						
Cropland ephemeral gully			✓			
Classic gully				✓		
Soil mass movement			✓			
Roadbank and construction sites			✓			
Streambank erosion			✓			
Condition						
Tilth			✓			
Compaction			✓			
Soil contaminants			✓			
Deposition (Onsite & Offsite)						
Damage			✓			
Safety			✓			
WATER						
Quantity						
Seeps			✓			
Flooding			✓			
Subsurface water			✓			
Restricted capacity			✓			
Conveyance			✓			
Inadequate outlets			✓			
Restricted capacity, water bodies			✓			
Water management--irrigated			✓			
Water management--non-irrigated			✓			
Quality						
Contaminants		✓		✓		
Aquatic habitat suitability			✓			
AIR						
Quality						
Sediment			✓			
Smoke		✓	✓			
Chemical drift			✓			
Odors			✓			
Fungi			✓			
Molds			✓			
Pollen			✓			
Condition						
Temperature			✓			
Air movement			✓			
Humidity			✓			

Conservation Management Systems

Certification of Quality Criteria

RESOURCE CONSIDERATION/PROBLEM	Term Effect		Meets Quality Criteria			
	Short	Long	Benchmark		Planned	
			Yes	No	Yes	No
PLANTS						
Suitability						
Adapted to site			✓			
Intended use			✓			
Condition						
Productivity			✓			
Health and vigor		✓		✓		
Management						
Establishment				✓		
Growth				✓		
Harvest				✓		
Nutrient management		✓		✓		
Pests		✓		✓		
Threatened and endangered species		✓	✓			
ANIMALS(domestic/wildlife)						
Habitat						
Food			✓			
Cover			✓			
Shelter			✓			
Water		✓	✓			
Threatened and endangered species			✓			
Management						
Population and Resource Balance		✓		✓		
Animal Health			✓			

References:
NPPH Pages 75-78
FOTG Section III - Quality Criteria
GM -450 Part 401 Paragraph 401.03