PIPELINE PLAN OF DEVELOPMENT

1. Purpose and Need
    a. what will be constructed
    b. commodity to be transported and for what purpose
    c. is the pipeline for a gathering system, trunk line, or distribution line
    d. will it be surface or subsurface
    e. length and width of the right-of-way and the area needed for related facilities
    f. is this ancillary to an existing right-of-way
    g. list alternative routes or locations

2. Right-of-way location
    a. legal description
    b. site specific engineering surveys for critical areas (note: in addition to normal centerline survey)
    c. maps and drawings showing river crossings
    d. acre calculation of the right-of-way by land status

3. Facility Design Factors
    a. pipeline pressure standards
        1) pipe wall thickness and pounds per square inch (psi) rating
    b. toxicity of pipeline product
    c. anticipated operating temperatures
    d. depth of the pipeline
    e. permanent width or size
    f. temporary areas needed

4. Additional Components of the Right-of-way
    a. connection to an existing Right-of-way
        1) existing components on or off public land
        2) possible future components
    b. location of pumping and/or compressor stations
    c. need for sand and gravel and where will it be obtained
    d. location of equipment storage areas

5. Government Agencies Involved
    a. FERC, USFWS
    b. copy of FERC Sec. 7c Application, if applicable
    c. state and local agencies that may be involved

6. Construction of the Facilities
    a. construction (brief description)
        1) major facilities (including vehicles and number of tons and loads)
        2) ancillary facilities (including vehicles and number of tons and loads)
    b. work force (number of people and vehicles)
    c. flagging or staking the right-of-way
    d. clearing and grading
    e. facility construction data
        1) description of construction process
    f. access to, and along, right-of-way during construction
    g. engineering drawings and specifications for site-specific problems relating to surface use or special mitigation
    h. diagrams, drawings, and cross sections to help visualize the scope of the project
    i. special equipment that will be utilized
    j. contingency planning
        1) holder contacts
        2) BLM contacts
    k. safety requirements
    l. industrial wastes and toxic substances

7. Resource Values and Environmental Concerns
    a. address at level commensurate with anticipated impacts
        1) location with regard to existing corridors
    b. anticipated conflicts with resources or public health and safety
        1) air, noise, geologic hazards, mineral and energy resources, paleontological resources, soils, water, vegetation, wildlife, threatened and endangered species, cultural resources, visual resources, BLM projects, recreation activities, wilderness, etc.

8. Stabilization and Rehabilitation
    a. soil replacement and stabilization
    b. disposal of vegetation removed during construction (i.e., trees, shrubs, etc.)
    c. seeding specifications
    d. fertilizer
    e. limiting access to the right-of-way
    f. will roads built during construction be reclaimed

9. Operation and Maintenance
    a. will new or expanded access be needed for operation and maintenance
    b. will there be hydrostatic testing and subsequent release of water and what is the anticipated volume
    c. will removal and/or addition of pipe and/or pumps be required as part of pipeline maintenance
    d. will all maintenance activities be confined within the right-of-way
    e. safety
    f. will industrial wastes and toxic substances be generated or stored on right-of-way
    g. inspection and maintenance schedules
        1) will these be conducted on-the-ground and/or by aircraft
        2)if by aircraft, will the aircraft require landing strips and/or heliports
    h. work schedules
    i. fire control
    j. contingency planning

10. Termination and Restoration
    a. removal of structures
    b. will pipe be removed or cleaned and left in ground
    c. obliteration of roads
    d. stabilization and re-vegetation of disturbed areas