<table>
<thead>
<tr>
<th>Company</th>
<th>Project Description</th>
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<td><strong>Brazos Midstream</strong></td>
<td>FNI provided full design services for the Bison Crude Oil Terminal including geotechnical, grading, structural, process (PIDs), mechanical, and electrical design. FNI also provided procurement, project management, construction drawings and construction support. This Permian Basin facility is rated for 57,000 BPD with one (1) 30,000 Bbl EFR storage tank, six (6) 750 Bbl API tanks for blending, and LACT measurement for pipeline and truck volumes in and out of the terminal.</td>
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<td><strong>Brazos Midstream</strong></td>
<td>FNI provided services to expand the Cross V Crude Oil Terminal adding one (1) 30,000 Bbl tank and other facilities. The scope included a plot plan, site grading and berm containment designs, PIDs, pump sizing/selection, piping isometrics, tank design review, electrical design, project management and construction management support. This Permian Basin facility is now rated for 57,000 BPD and includes one (1) 30,000 Bbl EFR storage tank, ten (10) 1,000 Bbl API tanks for condensate blending, and LACT measurement for the multiple pipeline and truck volumes in and out of the terminal. This facility also possesses inter-terminal transfer capabilities with two (2) 250 HP vertical can transfer pumps rated to 31,000 BPD each.</td>
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<td><strong>Confidential Client</strong></td>
<td>FNI provided front-end engineering services for ten (10) Permian Basin crude/condensate terminals each containing receipt and header facilities for multiple incoming gathering trunklines, a cross-country pipeline delivery point, twelve (12) truck offloading spots with LACTs, one (1) 500 Hp pump rated to 33,000 BPD at 1,000 psig. FNI also designed nine (9) inline pump stations related to the terminal and pipeline projects. Flow rates ranged from 100 to 400 MBPD.</td>
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<td><strong>Navigator Energy Services, LLC</strong></td>
<td>FNI provided front-end engineering for three (3) Bakken Crude Oil Terminals feeding into the Dakota Access Pipeline (DAPL). Two (2) stations were rated for 150,000 Bpd throughput and 150 MBbl of API tank storage. There were six (6) incoming gathering trunklines, four (4) truck offloading spots with LACTs, and a series of 100 MBPD pumps. The third terminal was rated for 300,000 BPD with 300,000 Bbls of storage and pump rates to 150,000 BPD.</td>
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<td><strong>Navigator Energy Services, LLC</strong></td>
<td>FNI designed a 37,000 Bbl storage terminal (expandable to 74 MBbl) in Midland County, Texas. The project included truck offloading spots with LACTs, vertical turbine pipeline pumps, metering and controls. FNI's scope included grading plans, foundation designs, PIDs, pump selection, hydraulic calculations, review and approval of tank vendor drawings, procurement, capital cost estimating/tracking and coordination with the Client’s construction manager.</td>
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<td><strong>Pioneer Natural Resources, Inc.</strong></td>
<td>FNI analyzed a 21-foot outside diameter (OD), 1,000 Bbl cone-roof tank and the structural impact of increasing its design pressure. We applied the API 12E and 650 standards independently to analyze the integrity of the proposed tank. A final report was issued indicating, subject to structural modifications in the base, walls and roof, the tanks could be pressured to 12 oz. with the appropriate safety factors. The final design allowed Pioneer to operate with larger pressure windows yielding a broader operating envelope and minimizing nuisance alarms.</td>
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Our Client needed to move oil from Eagle Ford well-head tank batteries to an outbound pipeline before the pipeline’s gathering infrastructure was built-out. FNI designed a terminal allowing well-head volumes to be trucked into a central delivery point on the trunkline. Engine-driven pipeline pumps and gas generators ensured the lack of electrical power infrastructure in this part of the state did not slow the delivery of this new crude to market. Storage consisted of three (3) 93,000 Bbl storage tanks, one (1) blending tank, and one (1) sour tank. Terminaling consisted of ten (10) truck offloading spots with LACTs (with slots to expand to 20), three (3) 35,000 BPD pipeline pumps, and inbound and outbound pipelines. FNI's scope included site design, plot plan, PIDs, 3D pipe and equipment modeling, piping isometric drawings, electrical design, procurement, and construction management.

FNI designed four (4) oil metering sites including a positive-displacement pump and LACT unit.

FNI provided services for a 30,000 BPD terminal in the Delaware Basin which included three (3) 10,000 Bbl storage tanks, two (2) 6,000 BPD stabilization units, and inlet/outlet LACT measurement. FNI's scope included grading plans, foundation designs, PIDs, 3D pipe modeling, isometric piping drawings hydraulic calculations, and reviewed vendor drawings.

FNI provided services for a 35,000 BPD terminal in the Delaware Basin which included four (4) 750 Bbl off-spec product storage tanks with skimming and reinjection to sales, as well as, inlet/outlet LACT measurement. FNI’s scope included grading plans, PIDs, 3D pipe modeling, isometric piping drawings hydraulic calculations, full electrical design, and reviewed vendor drawings.

**SERVICES AND CAPABILITIES**

**PROCESS ENGINEERING**
- Process Simulation: Design and Optimization
- Process Flow Diagrams and PIDs
- Process Data sheets, Equipment Specifications
- Cause and Effect Diagrams, Control and Shutdown Philosophies
- Due Diligence Analysis

**DESIGN DRAFTING**
- 3D CADWorx Facility Modeling
- Bill of Materials
- Piping, ISogen
- As-Builts
- GIS Mapping Services

**FACILITY ENGINEERING**
- Pump Station Design and Optimization
- Terminal Loading and Unloading Design
- Liquid Storage Specifications
- Condensate Stabilization
- Well Site Standardization Support Services
- Project Management
- Electrical Design
- Instrumentation, Controls, and SCADA Design
- Civil and Structural Design
- Foundation Design
- Site Grading Plans
- LIDAR Technology

**ENVIRONMENTAL**
- Geotechnical Investigations
- NEPA Documentation
- Archeological, Environmental Assessments and Impact Statements
- Section 404/10 and 208/408 Permits
- Threatened and Endangered Species Surveys
- Wetland Delineations
- Environmental Mitigation
- Phases I/II Site Assessments and Remediation
- Air, Wastewater, and Hydrostatic Permitting
- Annual emissions reporting
- GIS Analysis

**PIPELINE ENGINEERING**
- System Design for Oil Gathering
- Hydraulic Analysis Single- and Multi-Phase Pipelines
- Industry Leading Surge Modeling
- Alignment Sheets
- HDD Design
- Railroad and Highway Crossing Permit
- Regulatory Approvals and Permit Acquisition
- Right-of-Way Coordination
- Utility Coordination, Relocations, Conflict Analysis