

GASOMETER AND METER HOUSE:

- 3 Westinghouse Proportional Meters, capacity 25,000 cu. ft. per hour.
 - 3 Snow Type gasometers, 20' x 34' with 4" connections.
 - 3 10" Equalizing Headers.
- All necessary valves and piping and by-passing.
Addition to Cooler on the east side of existing Cooler: 86 1/2' 0" x 6' 0" x 4' 0".

GAS LINES:

- 1 16" Suction Line from south property line to compressor building.
- 1 Separating Tank, 4' 0" x 9' 0" with 6" blow-off line.
- 1 16" Suction line connecting to old southern suction line at south line of auxiliary building and running north 128' connecting into the end of the north suction line.
- 1 6" blow-off line on the suction line.
- 6 8" Suction branches with by-passes, two to each compressor.
- 6 8" Discharge lines from the compressors to the north end of the cooling pond; two from each compressor
- 1 12" line at north end of the cooling pond connecting into—
- 1 16" line connecting into main discharge lines
- 1 16" cross-over between the lines above
- 1 10" Cross-over line with rubber packed couplings between South Grabham 16' line and southern 10" suction line.
- 1 5" line from regulator house to gasometer house No. 2.
- 3 6" fuel lines from the gasometers to each compressor engine.
- 1 6" blow-off line at north end of cooling pond, also all other necessary lines to auxiliary and compressor engines.

WATER LINES:

- 1 10" header line connecting to the main tank line for engines and fire plugs.

WATER DRAIN LINES:

- 1 6" tile line around addition to gas compressor house.

ELECTRIC LIGHTING SYSTEM:

220-volt—Service to all building additions. All additions wired for service

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VILAS COMPRESSOR STATION.

REAL ESTATE:

All the interest of the Pipe Line Company under a certain lease from William Hansen et ux to Marnet Construction Company dated May 15, 1909, and recorded in the office of Register of Deeds in and for Wilson County, Kansas, bounded and described as follows: Commencing at the and to that certain piece or parcel of land situate in Wilson County, Kansas, bounded and described as follows: Commencing at the intersection of the Union line and the north line of the right of way of the Atchison, Topeka and Santa Fe Railroad Company, about 100 feet north of the southwest corner of the northwest quarter of Section 33, Township 27, Range 17; thence north 40 rods along the west line of said northwest quarter; thence east parallel with the north line of the said right of way of the Atchison, Topeka and Santa Fe Railroad Company, a distance of 40 rods; thence south parallel with the west line of said northwest quarter 40 rods to the north line of said right of way; thence along said right of way to the place of beginning, containing 10 acres. The Marnet Construction Company's interest under the above lease was conveyed to the Pipe Line Company by the aforesaid deed dated February 1st, 1910.

BUILDINGS:

- GAS COMPRESSOR HOUSE: 63' x 33' x 32', concrete foundations, steel frame, steel truss roof, covered with corrugated iron. Main span 40' with 6' 6" lean on each side.
- AUXILIARY BUILDING: 37' 6" x 26' x 20', concrete foundations, steel frame, steel truss roof, covered with corrugated iron. span, 26'.
- DWELLING HOUSE: One 5-room house with bath and all necessary piping for gas and water.

APPARATUS:

- GAS COMPRESSOR HOUSE:
- 3 Miller Improved Gas Engines, double opposed type, 300 H. P., 4 cylinders each 17 1/4" x 24".
- 3 Hall Duplex Compressors, 2 cylinders each 17 1/4" x 18". All necessary rope transmission equipment for the operation of above three units, same driven by American system, rope transmission 1 1/2" ropes.

OIL SYSTEM: Consisting of

- 1 Main tank, 20-barrel capacity, situated outside of building
- 4 Borse self-measuring tanks, 1 barrel capacity.
- Unit type, Burt oil filter.
- All necessary instruments for recording pressures, etc.

AUXILIARY BUILDING:

- 2 25 H. P. Single cylinder Ohio gas engines.
- 2 6 K. W., 110-volt, D. C. Westinghouse Generators.
- 1 10 H. P. Vertical, tubular boiler, tested to 150 lbs. pressure.
- 3 3" Morris Improved Horizontal Centrifugal Pumps.
- 1 No. 4 Williams Pipe Threading and Cutting Machine to take 6" pipe.
- 1 6" x 6" Single-cylinder, Vertical, Curtis air compressor, for 125 lbs. W. P.
- 1 3 1/2" x 4 1/4" Air Compressor.

- 1 No. 17 Western Chief Upright Drill.
- 1 No. 4 Vulcan Emery Grinder, 2" x 10" wheel.
- 1 Snow Duplex Steam Pump, 3 1/2" x 3 1/2" x 3 1/2".
- All necessary shaling, etc., for the operation of above machinery.
- 1 Two-panel switchboard complete with all necessary instruments.
- 1 Storage Battery, 12 cells, complete with all necessary instruments.
- All necessary electrical equipment to furnish light for plant.

METERS:

- 3 4" Westinghouse proportional meters with necessary valves and by-passes.

REGULATORS:

- 1 3" Chaplin & Fulton Regulator, H. P.
- 1 4" Chaplin & Fulton regulator, L. P. with necessary valves and by-passes.

WOODEN WATER TOWER:

- 1 240 barrel capacity wooden water tower with steel support, 16 feet high to bottom of tank.

COOLING POND:

- 1 Cooling pond for cooling gases from compressor.

RESERVOIR:

- 1 Reservoir with inlet from cooling pond, for water supply to pump pit.

GAS LINES:

- 1 12" Intake from 12" main to compressor building, 330' connecting into—
 - 1 16" Separating tank in above line with 12" by-pass.
 - 1 10" line, 21', connecting into—
 - 6 8" lines, 88', connecting into—
 - 6 6" lines, 32', connecting into compressors.
 - 6 8" Discharge lines from compressors, 225' connecting into—
 - 1 12" Discharge Line, screw pipe, 433' passing through cooler and connecting into main 16" Grabham-Vilas line.
- The above lines are by-passed and valved where necessary.

- 3 10" Gas headers, 15' long for Miller gas engines.

AIR LINES: 1 12" Air header, 60' long with necessary piping for air starting system.

DRAIN LINES: The station is provided with necessary drain lines of the pipe to remove drainage from engine and compressor water jackets and roofs of buildings. This line connects into cooler.

LOW PRESSURE GAS LINES: Necessary piping to supply low pressure gas to main gas engines and auxiliary gas engines and boiler. This line has one 3" high pressure regulator and one 4" low pressure regulator. From the low pressure regulator gas enters a 6" header 40 ft. long and from there through meter into three 10" headers, inside of building, each 15' 0" long.