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FILE LOCATION: L:\SharedData\Denver\RockiesFC\DWGS\LEGENDS\OXY-PID-STD-00013.dwg  
LAST SAVED: 1/8/2020 BY: Max Pelchenko



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V-20100-20300  
PRODUCTION SEPARATOR

MAWP: 400 PSIG @ 350°F  
MDMT: -20°F @ 400 PSI  
48" OD X 16" S/S  
BURNER: 750 MBTU/HR

SK-15100  
WELLHEAD MANIFOLD  
(3 PACK)

SK-15200  
WELLHEAD MANIFOLD  
(2 PACK)

ABBREVIATIONS/SYMBOLS

◆

STREAM NUMBER

IA

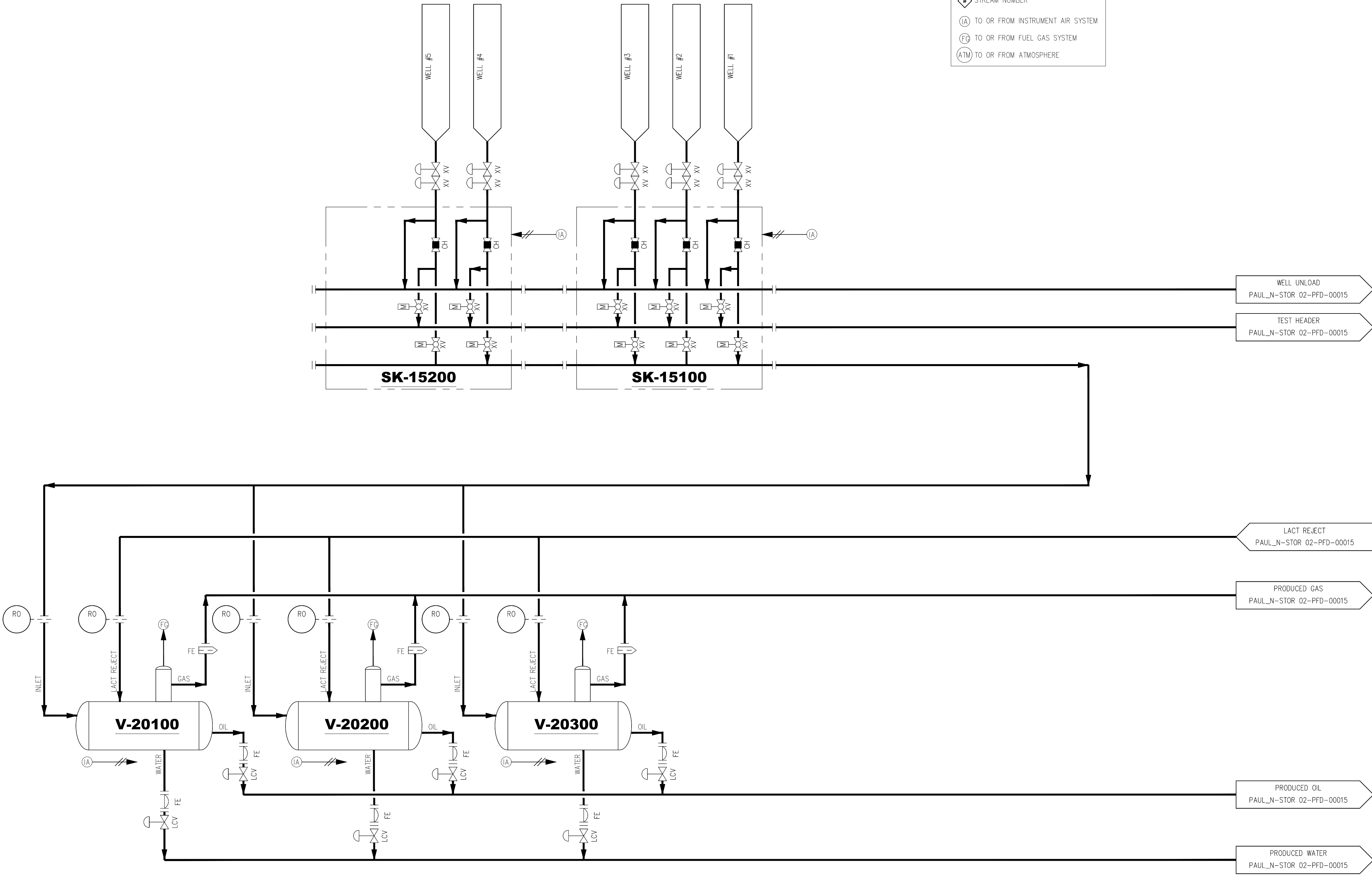
TO OR FROM INSTRUMENT AIR SYSTEM

FG

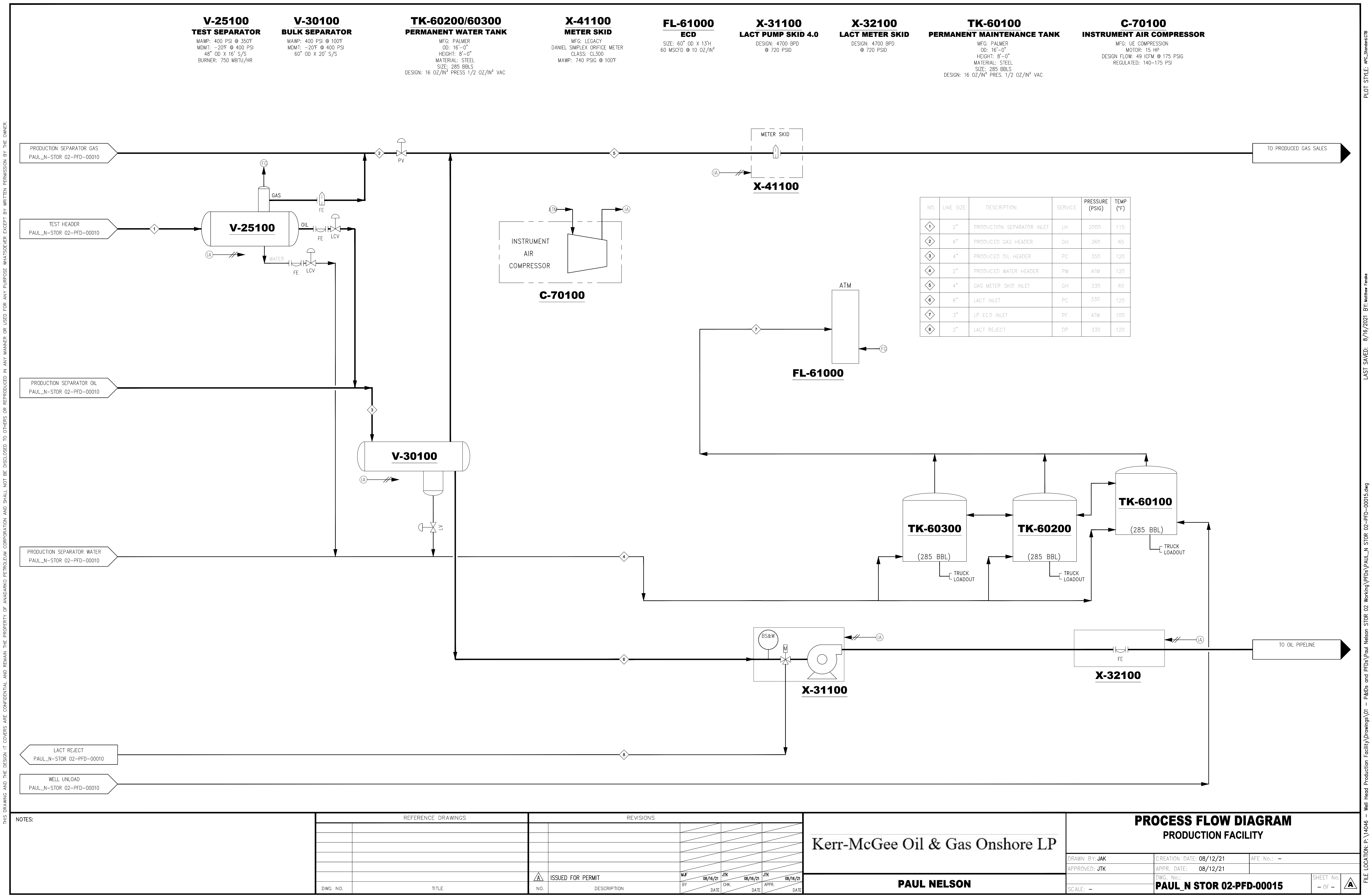
TO OR FROM FUEL GAS SYSTEM

ATM

TO OR FROM ATMOSPHERE




|                                 |                    |       |           |                   |     |          |      |   |                          |          |
|---------------------------------|--------------------|-------|-----------|-------------------|-----|----------|------|---|--------------------------|----------|
| NOTES:                          | REFERENCE DRAWINGS |       | REVISIONS |                   |     |          |      | PROCESS FLOW DIAGRAM<br>PRODUCTION FACILITY |                          |          |
|                                 |                    |       |           |                   |     |          |      |   |                          |          |
|                                 |                    |       |           |                   |     |          |      |   |                          |          |
|                                 |                    |       |           |                   |     |          |      |   |                          |          |
|                                 | DWG. NO.           | TITLE | NO.       | DESCRIPTION       | BY  | DATE     | CHK. | DATE  | APPR.                    | DATE     |
|                                 |                    |       | ▲         | ISSUED FOR PERMIT | MJF | 08/16/21 | JTK  | 08/16/21                                    | JTK                      | 08/16/21 |
| Kerr-McGee Oil & Gas Onshore LP |                    |       |           |                   |     |          |      |   | PAUL N STOR 02-PFD-00010 |          |
| PAUL NELSON                     |                    |       |           |                   |     |          |      |   | SHEET No.                | ▲        |
|                                 |                    |       |           |                   |     |          |      |   | - OF -                   |          |
|                                 |                    |       |           |                   |     |          |      |   | SCALE: -                 |          |



| NO. | LINE SIZE | DESCRIPTION                | SERVICE | PRESSURE (PSIG) | TEMP (°F) |
|-----|-----------|----------------------------|---------|-----------------|-----------|
| 1   | 2"        | PRODUCTION SEPARATOR INLET | LH      | 2000            | 115       |
| 2   | 6"        | PRODUCED GAS HEADER        | GH      | 360             | 65        |
| 3   | 4"        | PRODUCED OIL HEADER        | PC      | 350             | 120       |
| 4   | 2"        | PRODUCED WATER HEADER      | PW      | ATM             | 120       |
| 5   | 4"        | GAS METER SKID INLET       | GH      | 330             | 65        |
| 6   | 6"        | LACT INLET                 | PC      | 330             | 120       |
| 7   | 3"        | LP ECD INLET               | PF      | ATM             | 100       |
| 8   | 2"        | LACT REJECT                | DP      | 330             | 120       |

| REFERENCE DRAWINGS |       | REVISIONS |                   |                        |                         |                          |  |
|--------------------|-------|-----------|-------------------|------------------------|-------------------------|--------------------------|--|
|                    |       |           |                   |                        |                         |                          |  |
|                    |       |           |                   |                        |                         |                          |  |
|                    |       |           |                   |                        |                         |                          |  |
|                    |       |           |                   |                        |                         |                          |  |
| DWG. NO.           | TITLE | NO.       | ISSUED FOR PERMIT | M.F.<br>BY<br>08/16/21 | JFK<br>CHK.<br>08/16/21 | JFK<br>APPR.<br>08/16/21 |  |
|                    |       |           |                   | DATE                   | DATE                    | DATE                     |  |

|  |  |                                    |  |
|--|--|------------------------------------|--|
| <div>Kerr-McGee Oil &amp; Gas Onshore LP</div> | <div>PROCESS FLOW DIAGRAM</div> <div>PRODUCTION FACILITY</div> |                                    |  |
|  | <div>DRAWN BY: JAK</div>                                       | <div>CREATION DATE: 08/12/21</div> | <div>A/E No.: -</div>  |
|  | <div>APPROVED: JTK</div>                                       | <div>APPR. DATE: 08/12/21</div>    |  |
|  | <div>SCALE: -</div>  |                                    | <div> <div> <div>DWG. No.: PAUL_N STOR 02-PFD-00015</div> <div>SHEET No. - OF -</div> </div> <div>  </div> </div> |
| <div>PAUL NELSON</div>                         |  |                                    |  |



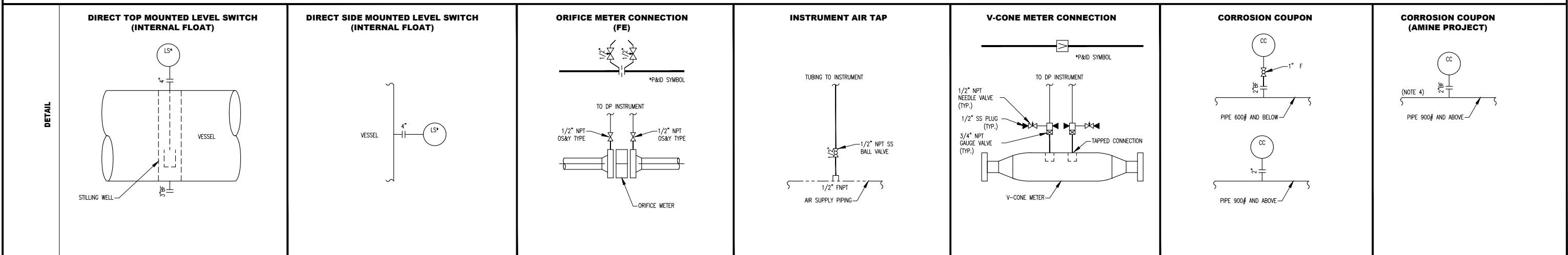
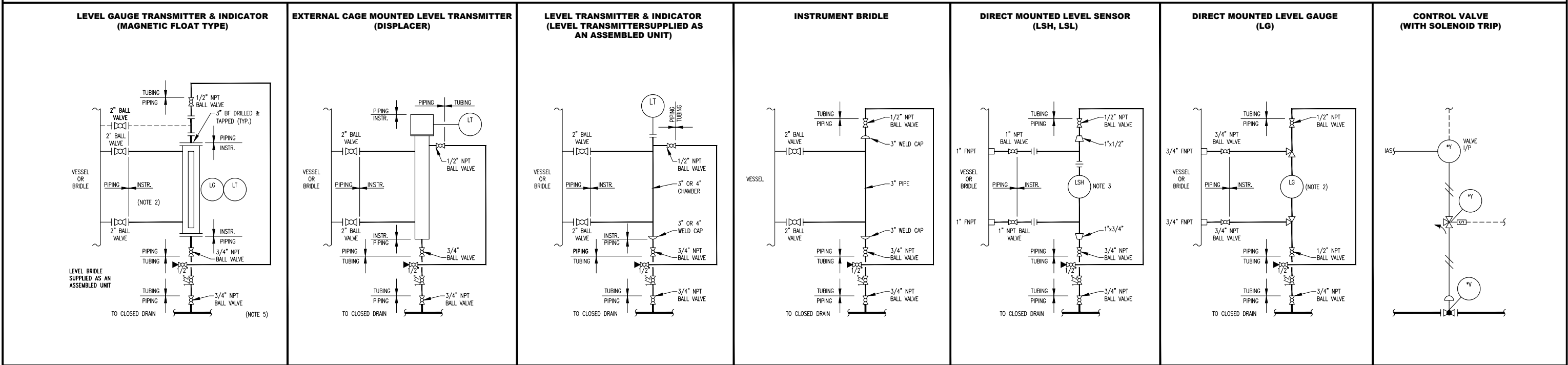
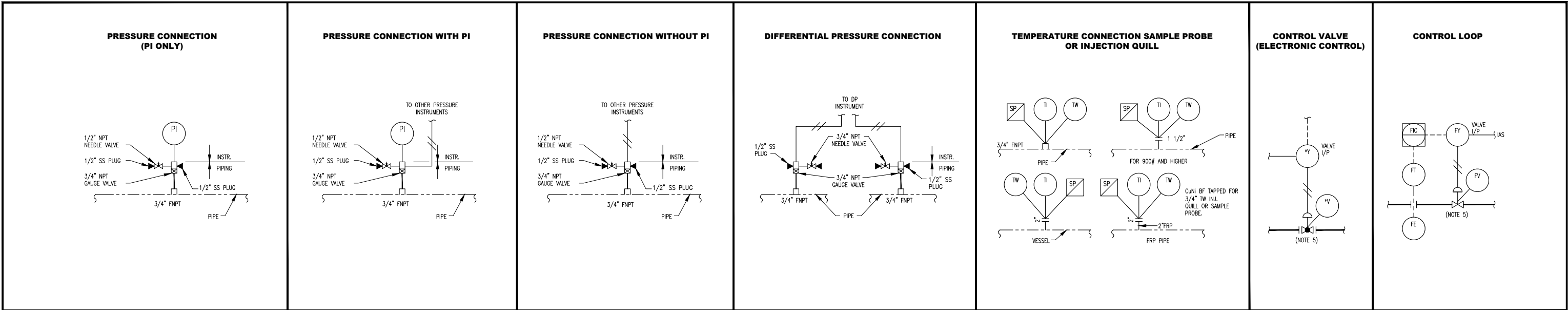
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| EQUIPMENT NUMBERING STANDARD   |  | PIPE LINE NUMBERING STANDARD  |  | PIPING SYMBOLS   |  |   |  |   |  |   |  |  |  |
|--|--|---|--|--|--|---|--|---|--|---|--|--|--|
| <div><div><div><div>X-####</div></div><div><div>EQUIPMENT IDENTIFICATION CODE</div><div>AREA NUMBER</div><div>TRAIN NUMBER(*)</div><div>EQUIPMENT ID</div></div></div><p>*TRAIN NUMBER (USE 0 FOR COMMON EQUIPMENT)(OR COMPRESSOR UNIT NUMBER – CTF SITES ONLY)<br/>INSTRUMENTATION NUMBERS – MATCH EQUIPMENT ID AND INCREMENT NUMERICALLY ONLY.<br/>ELECTRICAL NUMBERS – MATCH EQUIPMENT ID AND INCREMENT NUMERICALLY ONLY.</p><p>ALPHAS ONLY AS APPROVED BY APC ENGINEERING.</p></div> |  | <div><div><div><div>XX-XX-XXXX-XXXX-XXXX</div></div><div><div>PIPE SIZE</div><div>SERVICE IDENTIFICATION</div><div>SEQUENTIAL NUMBER</div></div><div><div>INSULATION THICKNESS</div><div>TRACING TYPE</div><div>INSULATION TYPE</div><div>PIPE SPECIFICATION</div></div></div></div> <div>SERVICE IDENTIFICATION CODE</div> <div><div><div>AD = ACID DRAIN</div><div>AF = ACID FLARE</div><div>AG = ACID GAS</div><div>AO = ABSORPTION OIL</div><div>AV = ATMOSPHERE VENT</div><div>B = N-BUTANE</div><div>BD = BUILDING DRAIN</div><div>BCG = BLANKET GAS</div><div>BLV = BLOWDOWN VENT</div><div>BW = BOILER FEED WATER</div><div>CA = CAUSTIC</div><div>CD = COMBUSTION AIR</div><div>CD = CLOSED DRAIN</div><div>OW = COLD WATER</div><div>DA = DRAIN ATMOSPHERIC</div><div>DF = DIESEL FUEL</div><div>OW = DRAIN PRESSURED</div><div>DEW = DECHILLED WATER</div><div>EG = ETHANE</div><div>FW = FUEL GAS</div><div>FW = FIRE WATER</div><div>G = GLYCOL</div><div>GH = GAS HYDROCARBON</div><div>H = HYDROGEN SULFIDE</div><div>HC = HIGH PRESSURE CONDENSATE</div><div>HD = HIGH PRESSURE DRAIN</div><div>HF = HIGH PRESSURE FLARE</div><div>HO = HOT OIL</div><div>HS = HIGH PRESSURE STEAM</div><div>HW = HOT WATER</div><div>IA = INSTRUMENT AIR</div><div>IB = ISOBUTANE</div><div>IG = INSTRUMENT GAS</div><div>JW = JACKET WATER</div><div>LA = LEAN AMINE</div><div>LC = LOW PRESSURE CONDENSATE</div><div>LD = LOW PRESSURE DRAIN</div><div>LG = LOW PRESSURE FLARE</div><div>LG = LEAN GLYCOL</div><div>LH = LIQUID HYDROCARBON</div><div>LO = LUBE OIL</div><div>LS = LOW PRESSURE STEAM</div><div>M = METHANE</div><div>MC = MEDIUM PRESSURE CONDENSATE</div><div>MD = MEDIUM PRESSURE DRAIN</div><div>MF = MEDIUM PRESSURE FLARE</div><div>MS = MEDIUM PRESSURE STEAM</div><div>N = NITROGEN</div><div>NG = NATURAL GAS</div><div>O = OIL</div><div>OD = OPEN DRAIN</div><div>OT = HOT OIL TRACE</div><div>OV = OIL VENT</div><div>P = PROPANE</div><div>PA = PROCESS AIR</div><div>PC = PROCESS CONDENSATE</div><div>PF = PROCESS FLARE</div><div>PG = POWER GAS</div><div>RG = PROCESS VENT</div><div>PW = PRODUCED WATER</div><div>RA = RICH AMINE</div><div>RG = RICH GLYCOL</div><div>RW = RAW WATER</div><div>SA = STARTING AIR</div><div>SD = SOLVENT DRAIN</div><div>SG = STARTING GAS</div><div>SO = SEAL OIL</div><div>ST = STEAM TRACE</div><div>SW = SOUR (PRODUCED) WATER</div><div>TG = TREATED GAS</div><div>TW = TREATED WATER</div><div>UA = UTILITY AIR</div><div>UV = UTILITY VENT</div><div>UW = UTILITY WATER</div><div>V = VENT GAS</div><div>WF = WELL FLUID</div><div>WW = WASTE WATER</div></div></div> <div>PIPE SPECIFICATIONS NAMING CONVENTION</div> <div><div><div>XXXX</div><div>FLANGE CLASS</div><div>MATERIAL</div><div>SERVICE</div><div>GOVERNING CODE</div></div></div> <div><div><div>FLANGE CLASS</div><div>A – CL 150</div><div>B – CL 300</div><div>D – CL 600</div><div>E – CL 900</div><div>F – CL 1500</div><div>G – CL 2500</div><div>C – CARBON STEEL</div><div>L – LOW TEMP. CARBON STEEL</div><div>S – STAINLESS STEEL</div><div>P – HDPE/PVC</div></div><div><div>GOVERNING CODE</div><div>1 – ASME B31.1</div><div>3 – ASME B31.3</div><div>4 – ASME B31.4</div><div>8 – ASME B31.8</div><div>SERVICE</div><div>A – GENERAL SERVICE</div><div>B – SOUR SERVICE</div><div>C-Z – OTHER SERVICE FLUIDS</div><div>L – DRAINS, GLYCOL, CRUDE OIL</div></div></div> <div>INSULATION AND TRACE CODE</div> <div><div><div>XX"</div><div>INSULATION TYPE</div><div>C=COLD</div><div>H=HOT</div><div>P=PERSONNEL</div><div>S=SWEAT</div><div>TRACE TYPE</div><div>ST=STEAM</div><div>ET=ELECTRIC</div><div>MT=MEDIA TRACE I.e., GLYCOL, HOT OIL</div></div></div> <div>MANUAL VALVE NUMBERING SYSTEM</div> <div>REPRESENTS PID</div> <div>*-###</div> <div>UNIQUE 3 DIGIT NUMBER</div> <div>DRAWING NUMBER</div> <div>NUMBER SHALL COMMENCE ON EACH SHEET WITH 001 AND CONTINUE SEQUENTIALLY</div> <div>ABBREVIATIONS</div> <div><div><div>ATM = ATMOSPHERE</div><div>AG = ABOVE GRADE</div><div>AV = AIR VENT (AUTOMATIC)</div><div>BE = BURNER ELEMENT</div><div>BF = BLIND FLANGE</div><div>BG = BELOW GRADE</div><div>CBD = CONTINUOUS BLOWDOWN</div><div>CD = CLOSED DRAIN</div><div>CH = CHOKE</div><div>CHO = CHAIN OPERATED</div><div>CO = CLEAN OUT</div><div>CS = CORROSION PROBE</div><div>CSC = CAR SEAL CLOSED</div><div>CSO = CAR SEAL OPEN</div><div>DC = DRAIN CONNECTION</div><div>FC = FAIL CLOSED</div><div>FL = FAIL LAST</div><div>FO = FAIL OPEN</div><div>GPH = GALLONS PER HOUR</div><div>GPM = GALLONS PER MINUTE</div><div>HC = HOSE CONNECTION</div><div>HHLL = HIGH HIGH LIQUID LEVEL</div><div>HLL = HIGH LIQUID LEVEL</div><div>HP = HIGH PRESSURE</div><div>HSD = HAND SHUTDOWN</div><div>IA = INSTRUMENT AIR</div><div>IGN = IGNITION</div><div>LC = LOCK CLOSED</div><div>LD = LIQUID DRAIN</div><div>LLL = LOW LIQUID LEVEL</div><div>LLLL = LOW LOW LIQUID LEVEL</div><div>LO = LOCK OPEN</div><div>LP = LOW PRESSURE</div><div>MIN = MINIMUM DISTANCE</div><div>M = THOUSAND</div><div>MM = MILLION</div><div>MW = MANWAY</div><div>N2 = NITROGEN</div><div>NC = NORMALLY CLOSED</div><div>NLL = NORMAL LIQUID LEVEL</div><div>NO = NORMALLY OPEN</div><div>OD = OPEN DRAIN</div><div>OD = OVERALL DIAMETER (SIZE)</div><div>PB = PUSH BUTTON</div><div>PC = PURGE CONNECTION</div><div>QD = QUICK DISCONNECT</div><div>R = RESET</div><div>ROC = RATE OF CHANGE</div><div>ROV = REMOTE OPERATED VALVE</div><div>RID = RESISTANCE TEMP. DETECTOR</div><div>SC = SAMPLE CONNECTION</div><div>SCFD = STD. CU. FT. PER DAY</div><div>SCFH = STD. CU. FT. PER HOUR</div><div>SCFM = STD. CU. FT. PER MINUTE</div><div>SD = SHUTDOWN</div><div>SIS = SAFETY INSTRUMENT SYSTEM</div><div>SOC = STEAM OUT CONNECTION</div><div>SW = SCOPE OF WORK</div><div>SR = STRESS RELIEF</div><div>SSS = SELECTOR SWITCH</div><div>ST = START UP</div><div>SU = START UP</div><div>TSO = TEMPORARY STRAINER</div><div>TST = TIGHT SHUT OFF</div><div>TYP = TYPICAL</div><div>(V) = VENDOR SUPPLIED</div><div>VV = VACUUM BREAKER</div><div>WC = WATER COLUMN</div></div></div> |  | <div>FLOW SHEET LINE TYPES</div> <div>MAJOR</div> <div>MAJOR SECONDARY</div> <div>MINOR</div> <div>MINOR SECONDARY</div> <div>SKID LIMITS</div>  |  | <div>VALVES</div> <div>BALL VALVE</div> <div>GATE VALVE</div> <div>GLOBE VALVE</div> <div>PLUG VALVE</div> <div>CHECK VALVE</div> <div>CHECK VALVE – PISTON</div> <div>NEEDLE VALVE</div> <div>BUTTERFLY VALVE</div> <div>INLINE CHOKE VALVE</div> <div>ANGLE CHOKE</div> <div>DIAPHRAGM VALVE</div> <div>GAUGE VALVE</div> <div>BLOCK &amp; BLEED VALVE</div> <div>EXCESS FLOW VALVE</div> <div>ANGLE VALVE</div> <div>CONVENTIONAL PRESSURE RELIEF VALVE</div> <div>PILOT RELIEF VALVE</div> <div>ANGLE VALVE w/ HANDLE</div> <div>DIAPHRAGM GATE VALVE</div> <div>DIAPHRAGM BALL VALVE</div> <div>PRESSURE REGULATOR GATE VALVE</div> <div>PRESSURE REGULATOR BALL VALVE</div> <div>PISTON OPERATED GATE VALVE</div> <div>PISTON OPERATED BALL VALVE</div> <div>SOLENOID GATE VALVE</div> <div>SOLENOID BALL VALVE</div> <div>ANGLE DIAPHRAGM VALVE</div> <div>3-WAY DIAPHRAGM VALVE</div> <div>3-WAY SOLENOID VALVE</div> <div>3-WAY SPRING OPPOSED VALVE</div> <div>3-WAY THERMOSTATIC VALVE</div> <div>3-WAY VALVE</div> <div>3-WAY VALVE w/ HANDLE</div> <div>3-WAY RELIEF VALVE</div> |  | <div>FLANGES</div> <div>BLIND FLANGE OR LINE TERMINATION</div> <div>UNION</div> <div>SENIOR/JUNIOR ORIFICE METER</div> <div>ORIFICE</div> <div>ORIFICE CLOSED</div> <div>ORIFICE PADDLE</div> <div>FLOW TRANSMITTER WITH GATE VALVE</div> <div>FLOW TRANSMITTER WITH BALL VALVE</div> <div>FLOW TRANSMITTER WITH NEEDLE VALVE</div> <div>BLEED RING WITH GATE VALVE</div> <div>BLEED RING WITH BALL VALVE</div> <div>SPECTACLE BLIND OPEN POSITION</div> <div>SPECTACLE BLIND CLOSED POSITION</div> <div>PADDLE BLIND CLOSED POSITION</div> <div>PADDLE BLIND OPEN POSITION</div> <div>NOZZLES</div> <div>COUPLING</div> <div>FRONT VIEW CONNECTION</div> <div>NOZZLE BLUNDED</div> <div>NOZZLE FLANGED</div> <div>MANWAY SINGLE LINE (SIDE VIEW)</div> <div>MANWAY (SIDE VIEW)</div> <div>MANWAY (FRONT VIEW)</div> <div>TANK CLEANOUT</div> <div>EQUIPMENT NOZZLE CALLOUT</div> |  | <div>INLINES</div> <div>Y" TYPE STRAINER</div> <div>Y" TYPE STRAINER WITH GATE VALVE</div> <div>Y" TYPE STRAINER WITH BALL VALVE</div> <div>INSULATION (SEE TABLE)</div> <div>INSULATION WITH HEAT TRACE (SEE TABLE)</div> <div>INSULATION WITH GLYCOL HEAT TRACE</div> <div>EQUIPMENT INSULATION</div> <div>TURBINE METER</div> <div>POSITIVE DISPLACEMENT METER</div> <div>MAGNETIC FLOW METER</div> <div>ULTRASONIC METER</div> <div>INLINE MIXER</div> <div>BASKET STRAINER</div> <div>FILTER</div> <div>INLINE STRAINER</div> <div>CONE STRAINER</div> <div>START UP STRAINER (WITCH HAT)</div> <div>EXPANSION JOINT</div> <div>ROTAMETER FLOW INDICATOR</div> <div>V-CONE METER</div> <div>VENTURI TUBE OR FLOW NOZZLE</div> <div>VENTURI TUBE WITH TAPS</div> <div>STRAIGHTENING VANES</div> <div>FLOW CONDITIONER</div> <div>VORTEX SENSOR</div> <div>ANNUBAR</div> <div>MASS FLOW CORIOLIS METER</div> <div>CORIOLIS METER</div> <div>RUPTURE DISK</div> <div>RUPTURE DISK (PRESSURE)</div> <div>RUPTURE DISK (VACUUM)</div> <div>EXCESS FLOW PREVENTER/MIXER</div> <div>DIAPHRAGM SEAL</div> <div>CHEMICAL SEAL</div> <div>PITOT TUBE OR PITOT VENTURI TUBE</div> <div>FLOW CONDITIONER</div> |  | <div>MISCELLANEOUS</div> <div>DRESSER COUPLING</div> <div>MATERIAL, AG/BG, INSULATION, PIPING SPEC OR SOW CHANGE</div> <div>FLEXIBLE HOSE FLANGED</div> <div>FLEXIBLE HOSE</div> <div>TRUCK CONNECTION/ BOW &amp; CAP</div> <div>AGITATOR</div> <div>TRUCK (BACK VIEW)</div> <div>TRUCK (SIDE VIEW)</div> <div>RAILCAR</div> <div>Y-TRAP OPEN DRAIN</div> <div>LIQUID SEAL X"=HEIGHT</div> <div>VENT</div> <div>TIE IN TO EXISTING PIPING OR PIPING BY OTHERS</div> <div>SPECIALITY ITEM</div> <div>INSULATING FLANGE KIT</div> <div>CORROSION COUPON</div> <div>PROCESS STREAM FLOW</div> <div>FLAME ARRESTOR</div> <div>MIST PAD OR MIST ELIMINATOR</div> <div>VORTEX BREAKER</div> <div>EJECTOR OR EDUCTOR</div> <div>SLOPE POINTED IN DOWNHILL SIDE</div> <div>PLUG</div> <div>BULL PLUG</div> <div>CAP WELDED/PIPE/ LINE OR TERMINATION</div> <div>CAP THREADED</div> <div>INSTRUMENT BREAK</div> <div>VENT TO ATMOS</div> <div>VENT WITH BUG SCREEN</div> <div>PIG PASSAGE INDICATOR (PIG SIG)</div> |  |
| NOTES:   |  | REFERENCE DRAWINGS  |  | REVISIONS  |  | OXY Rockles   |  | PIPING & INSTRUMENTATION DIAGRAM MECHANICAL LEGEND  |  |   |  |  |  |
|  |  |   |  | <div><div>Δ</div><div>INITIAL RELEASE FOR ENGINEERING STANDARD</div><div>JRF</div><div>05/24/19</div><div>MJ</div><div>05/24/19</div><div>JFM</div><div>05/24/19</div></div> <div><div>Δ</div><div>ISSUED FOR REVIEW</div><div>JRF</div><div>04/23/19</div><div></div><div></div><div></div><div></div></div> <div><div>Δ</div><div>ISSUED FOR REVIEW</div><div>BC</div><div>01/10/19</div><div></div><div></div><div></div><div></div></div> <div><div>Δ</div><div>ISSUED FOR REVIEW</div><div>MJ</div><div>09/11/18</div><div></div><div></div><div></div><div></div></div> <div><div>Δ</div><div>ISSUED FOR REVIEW</div><div>JRF</div><div>07/02/18</div><div></div><div></div><div></div><div></div></div> <div><div>Δ</div><div>ISSUED FOR REVIEW</div><div>JRF</div><div>06/28/18</div><div></div><div></div><div></div><div></div></div> <div><div>BY</div><div>DATE</div><div>CHK</div><div>DATE</div><div>APPR</div><div>DATE</div></div> |  |   |  | DRAWN BY: MJ  |  | CREATION DATE: –  |  | AFE No.:   |  |
|  |  |   |  |  |  |   |  | APPROVED: –   |  | APPR. DATE: –   |  |  |  |
|  |  |   |  |  |  |   |  | DWG. No.:   |  | OXY-PID-STD-00010   |  | SHEET No. 1 OF 4   |  |
| DWG. NO.   |  | TITLE   |  | NO.  |  | DESCRIPTION   |  | SCALE: NONE   |  |   |  |  |  |



[illegible]

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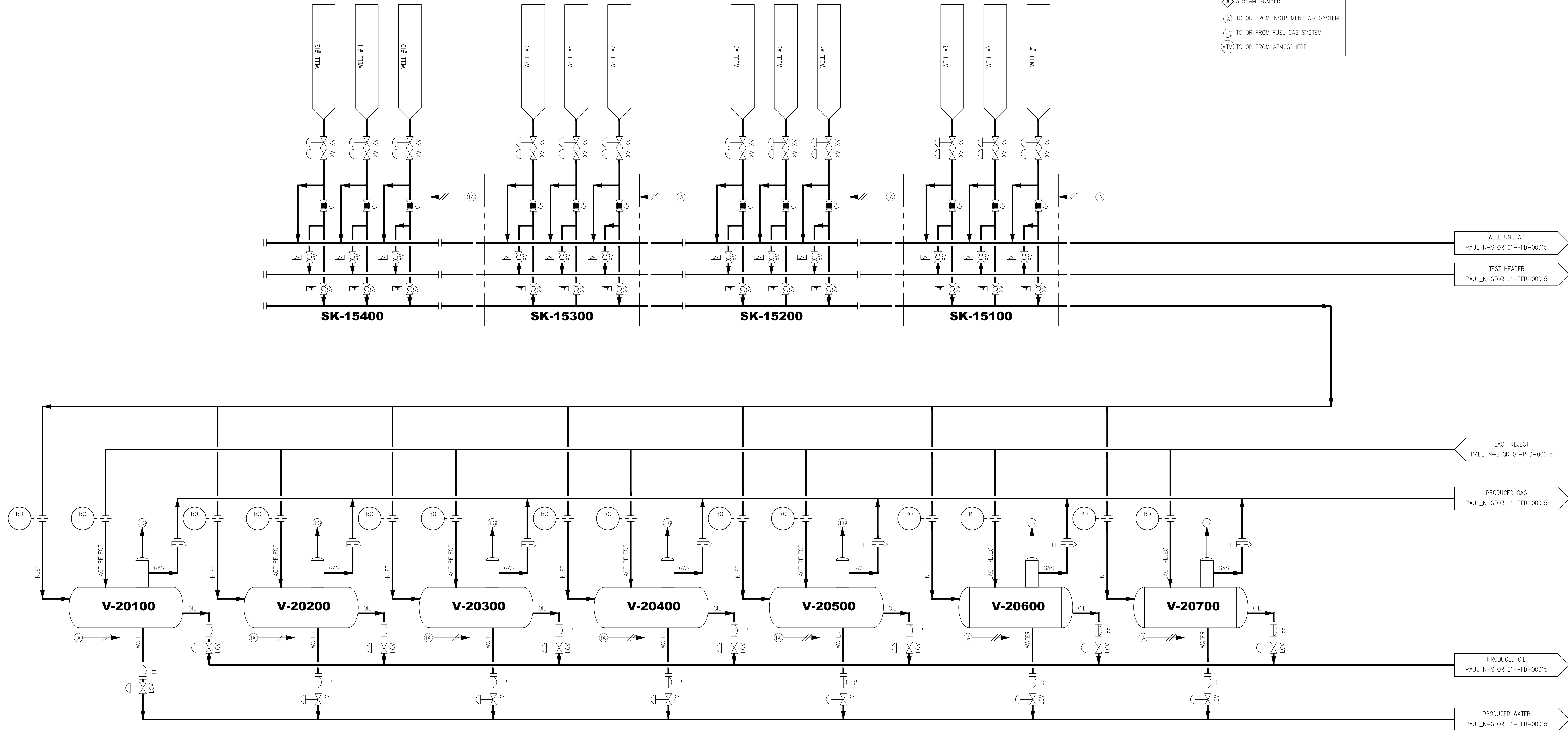


|  |  |                    |  |           |  |  |  |  |  |   |  |  |  |
|--|--|--------------------|--|-----------|--|--|--|--|--|---|--|--|--|
| NOTES:   |  | REFERENCE DRAWINGS |  | REVISIONS |  |  |  | <br><br><b>OXY STANDARD</b> |  | <b>PIPING &amp; INSTRUMENTATION DIAGRAM</b> |  |  |  |
|  |  |                    |  |           |  |  |  |  |  | INSTRUMENTATION LEGEND                      |  |  |  |
| 1. P&ID DETAILS ARE TYPICAL UNLESS INDICATED OTHERWISE ON THE P&ID WITH SPECIFIC APPLICATION.  |  |                    |  |           |  |  |  | -  |  |   |  |  |  |
| 2. LEVEL GAUGES SHOULD SPAN THE OPERATIONAL RANGE WITH 3" EXTRA VISIBLE GLASS AT HIGH AND LOW LEVELS. LEVEL GAUGE TO BE SUPPLIED AS AN ASSEMBLED UNIT. |  |                    |  |           |  |  |  | DRAWN BY: MJ   |  |   |  |  |  |
| 3. LSH/LSL BRIDLES SHALL BE PROVIDED WITH EXTRA LENGTH BETWEEN CENTER-TO-CENTERS TO ALLOW FOR FIELD ADJUSTMENT WHERE POSSIBLE.                         |  |                    |  |           |  |  |  | CREATION DATE: --  |  |   |  |  |  |
| 4. CORROSION COUPON TO BE EXTRACTED WITH A TOOL HAVING A DOUBLE BLOCK AND BLEED VALVE.   |  |                    |  |           |  |  |  | AFE No.:   |  |   |  |  |  |
| 5. VALVES USED ON AMINE UNIT TO HAVE COMPATIBLE SOFT GOODS FOR AMINE SERVICE.  |  |                    |  |           |  |  |  | APPROVED: --   |  |   |  |  |  |
|  |  |                    |  |           |  |  |  | APPR. DATE: --   |  |   |  |  |  |
|  |  |                    |  |           |  |  |  | DWG. No.:  |  |   |  |  |  |
|  |  |                    |  |           |  |  |  | SCALE: NONE  |  |   |  |  |  |
|  |  |                    |  |           |  |  |  | SHEET No. 3 OF 4   |  |   |  |  |  |
|  |  |                    |  |           |  |  |  | 2  |  |   |  |  |  |
|  |  |                    |  |           |  |  |  |  |  |   |  |  |  |
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LAST SAVED: 1/8/2020 BY: Max Pelchenko

MAWP: 400 PSIG @ 350°F  
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48" OD X 16' S/S  
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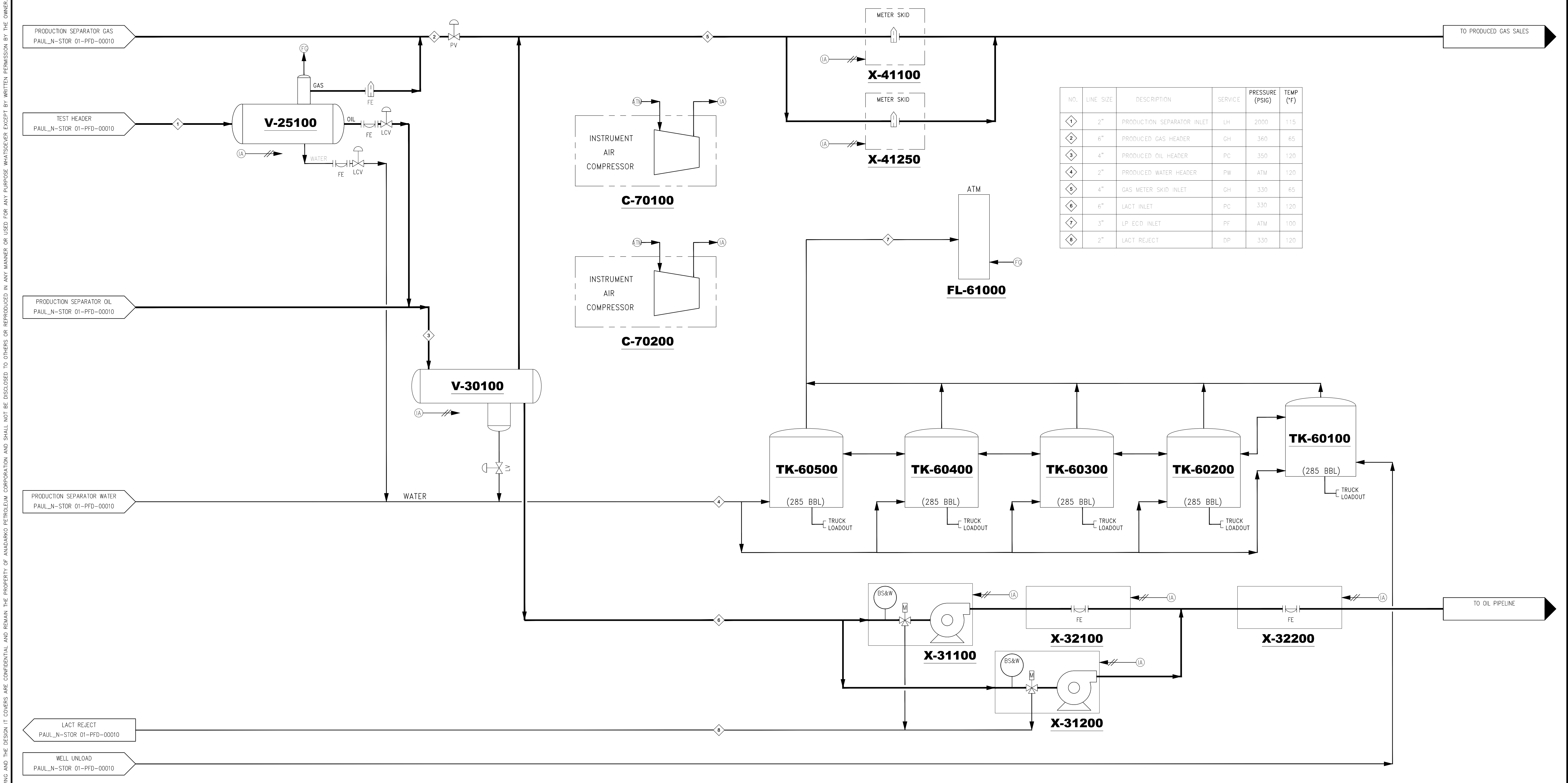
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| NOTES: | REFERENCE DRAWINGS |       | REVISIONS |                   |      |          |      |          | Kerr-McGee Oil & Gas Onshore LP |          | PRODUCTION PROCESS FLOW DIAGRAM<br>PRODUCTION FACILITY |               |                      |                                       |            |                     |   |
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
THIS DRAWING AND THE DESIGN IT COVERS ARE CONFIDENTIAL AND REMAIN THE PROPERTY OF ANADARKO PETROLEUM CORPORATION AND SHALL NOT



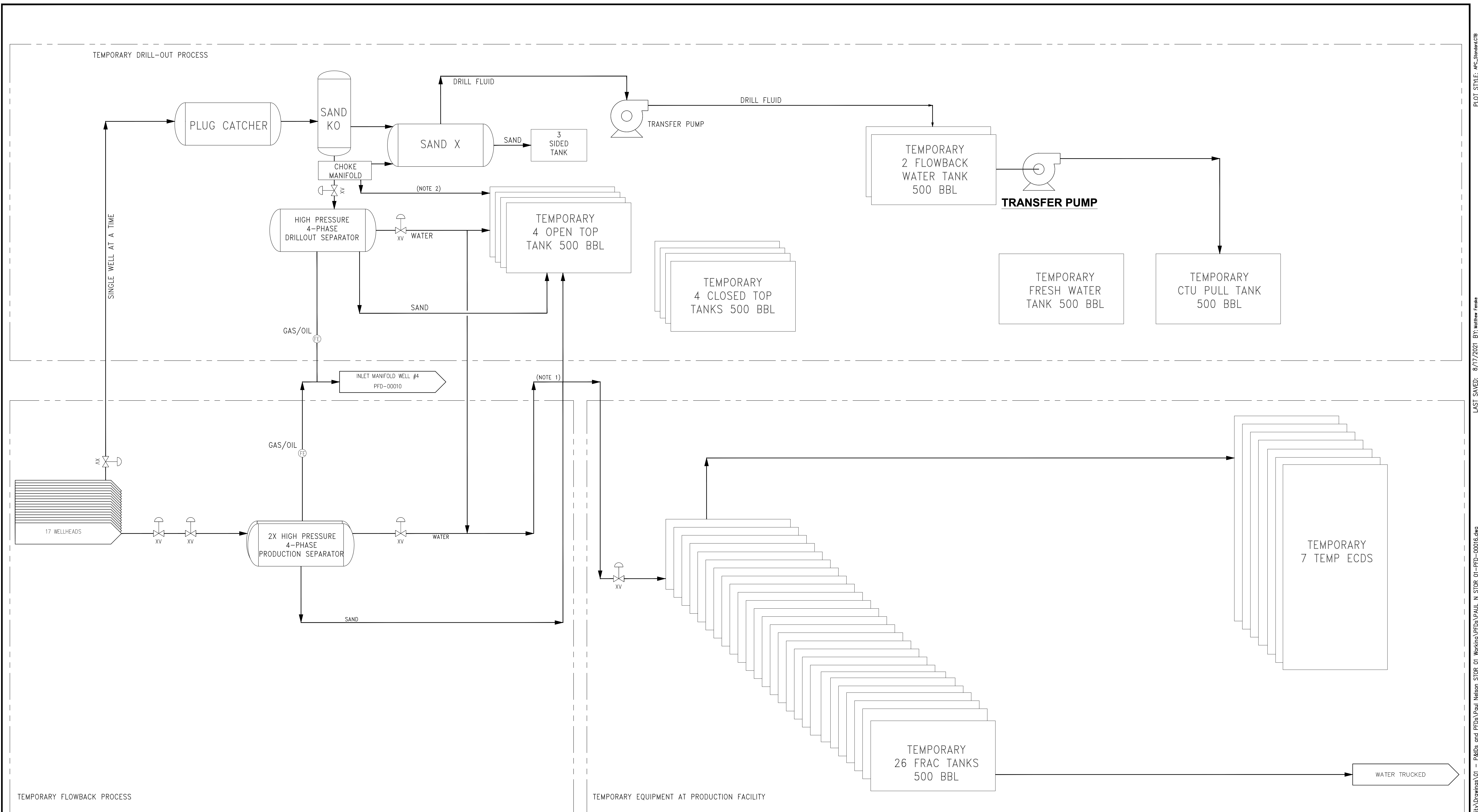
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Kerr-McGee Oil & Gas Onshore LP

**PAUL NELSON**

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| <h1 style="text-align: center;">PRODUCTION PROCESS FLOW DIAGRAM</h1> <h2 style="text-align: center;">PRODUCTION FACILITY</h2> |  |  |   |
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Kerr-McGee Oil &amp; Gas Onshore LP

## PROCESS FLOW DIAGRAM

### PRELIMINARY FLOWBACK EQUIPMENT TEMPORARY