[Date: June 15, 2021
Time: 1:00 pm
Duration: 1 hr 43 min
Virtual Meeting]

ILI and Maintenance Pigging Stakeholder's Meeting Template, Rev 2021-03-08

(Integrity Projects Engineer to Schedule and Conduct Meeting)

Line Designation: **Line D17**
Launcher Location: **D17-9 JCT – (33.213975, -96.389960)**
Receiver Location: **ROCKWALL – (32.909532, -96.429985)**

Attendees:

Pipeline Integrity Projects Engineer	**JOHN JUSTUSSON**
Pipeline Integrity Systems Engineer	**MONTE HADLEY**
Pipeline Integrity Technician	**STEVE NARRAMORE**
Pipeline Integrity Managers	**ERIC DYGERT**
Pipeline Integrity Director	**LANDELL PERRY**
Sr. Project Specialist	**KEVIN REEVES**
Manager of Public Affairs	**EVA HUMMEL & ELIZABETH DATTOMO**
Operations Supervisor	**MICHAEL COX & BURT SLAUGHTER**
Operations Manager	**ELIZABETH DELGADO & SCOTT LAWRENCE**
Operations Director	**TIM GILBERT & MICHAEL STREET**
FCC	**GREENVILLE: CHRIS THOMAS & RODGER BALLINGER** **GARLAND: PAUL MORRISETTE & MARK ELLIOTT**
Compliance Supervisor	**DOUG BEASLEY & CHUCK KENNEDY**
Corrosion Technician	**STEVE NARRAMORE**
MIC Technician	**MATT DOYLE & LARRY BRIDGES**
System Planning	**BRANDON FRIER**
Gas Control	**REGAN HAMPTON & CHARLES KALLAL**
Pressure Control	**TERRY SHUCK & PAUL CANTWELL**
APT Business Development	**JAY STADLER & MACK LEE**
APT Electric Generation	**JEFF SMIRIN**
Industrial Marketing	**JIMMY MEADE**
Environmental	**KRISTIN JONES & MARY JOHNSON**
Safety (appropriate Safety Specialist)	**JARRELL BETTS**
Right of Way	**TOBY WINN & JACOB STEWART**
Gas Measurement	**DANNIE MERCER**
Gas Measurement Sr Project Specialists	**JIMMY GALYEAN**
Construction Analyst	**DAVID HARWELL**
Storage and Compression	**N/A**
Pigging Support Contractor	**BOBCAT: MARSHALL CROSS**
ILI Contractor (as needed)	**ENTEGRA: MICHAEL PRITCHETT & TYLER HUNT**
Separator / Flare Contractor	**FESCO: CHAD BACAK**
AGM Survey / Tracking Contractor (as needed)	**TULSA INSPECTION: CHAD LENANDER**
Chemical Contractor (as needed)	**E&P SERVICES: JASON WILSON (TENTATIVE)**
Sample Analysis Contractor	**E&P SERVICES: JASON WILSON (TENTATIVE)**

A. CM+ Pig Survey Work Order and Pigging Form Review
   a. Location Information LINE D17
   b. Initiator / Assigned To MONTE HADLEY / RODGER BALLINGER & PAUL MORRISETTE
   c. Scheduled Start Date JUNE 21 – JULY 2 2021
   d. Project Name Line D17 – ILI RUN 2021 (D17-9 JCT TO ROCKWALL)
   e. Comments
   f. Information to be collected on each pig run in the Pigging Form Pig Run Log (BOBCAT)
   g. Process for collecting and saving Pigging Form (JOHN JUSTUSSON)
   h. Process for closing the CM+ Pig Survey work order (JOHN JUSTUSSON)

B. Length/Diameter:

[Date: June 15, 2021
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a. Miles: 21.264
b. Diameter: 24" PIPE OD"
c. MAOP: 800 PSIG
d. Normal Operating Pressure: 604 - 684
e. Last ILI run: 2015
f. Last maintenance pig run: 2017 (LASERFICHE); 2020
g. HCA's involved: HCC00081

C. Accounting:
a. Project Number: 180.47094
b. Cost Center: 9645
c. Task: INSPECTINLINE

D. Pigs to run/Schedule
a. Direction of Runs: D17-9 JCT TO ROCKWALL
b. Tentative list of pig run types / dates:(Potential 4AM start)
1) First run: MONDAY, JUNE 21– CLEANING TOOL
2) Second run: TUESDAY, JUNE 22 – 3AM CLEANING TOOL
3) Third run: WEDNESDAY, JUNE 23 – CALIPER RUN
4) Fourth run: THURSDAY & FRIDAY IS OPEN
5) Fifth run: MONDAY, JUNE 28 – GAUGE PLATE
6) Sixth run: WEDNESDAY-FRIDAY – SMART TOOLS

E. Safety Meeting
a. PPE FCC RODGER BALLINGER & PAUL MORRISSETTE
b. COVID-19 Protocols CDC GUIDELINES (MASK & Social Distancing)
c. Atmos PIM Plan Appendix R procedures review:
d. Atmos employee to lead safety meeting at launcher: FCC
e. Atmos employee to lead safety meeting at receiver: FCC

F. Launching:
a. Do cleaning pigs / rebuild kits need to be purchased? KEVIN REEVES
b. Ship all pigs / tools to:
1) Atmos Energy
Address: MCKINNEY SERVICE CENTER
1681 CORPORATE DRIVE
MCKINNEY, TX 75069

Attention: RODGER BALLINGER
c. Parameters
1) Target flow (MMCFD): ~ 72 - 80
2) Desired Speed (MPH): 4 – 6 mph;
3) Operating pressure range (psig): ~ 630-645
d. Gas source: SEE GAS CONTROL
e. Status of meters: FCC / MIC??? GC @ DE
f. Availability of volume and pressure to push pigs. Discuss coordination between Gas Control, Pressure Control and MIC.
g. Compressors required? NO
h. Impact on Gas Storage? NO
i. Status of launcher (valves, door seals, vents, etc.): RODGER BALLINGER (DOOR SEALS BEING ORDERED BY JOHN JUSTUSSON)
j. Launcher compliant with 192.750 to prevent opening pressurized vessels (pressure gauges, equalizing connections, and/or devices to prevent opening pressurized vessels)
k. Access to launcher to load pigs (sufficient room to push in line with pig, all weather, locked gates, etc.): BOBCAT (FOLLOW UP WITH ROW & PA FOR TRAFFIC PLAN AT RECEIVER SITE)
l. Contractors and equipment required for assistance in loading and/or launching pigs: BOBCAT
m. Method of loading pig (push or pull): PUSH
n. Who will provide pull rope / push bars? ENTEGRA

[Date: June 15, 2021
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G. Location of Corrosion Coupons, Probes, Drips: FCC
H. Exposures (suspended creek crossings) or bridged crossings: ONE EXPOSURE JUST NORTH OF CR606
I. Taps/Customers:
    a. City Gates:
        1) CNG needed? N/A
        2) Portable separation / filters needed? N/A
    b. Pipeline Junctions: D17-1, D17-2, D17-4, D17-4(LOOP), O (EAST), D17-3, D17-17
        1) Change in velocity after junction
    c. Industrial Customers:
        1) CNG needed? ??
        2) Portable separation / filters needed? ??
    d. Power Plants:
        1) Is plant load needed during pigging? N/A (With Early Start)
        2) Portable separation / filters needed? ??
    e. Producers:
        1) Any interruption in gas receipt needed? ??
        2) Change in velocity after receipt point
    f. Residential taps:
        1) Will any customers be without gas? ??
        2) Relocate to hotel?
        3) CNG needed
    g. Consideration of liquid/debris into taps? ??
J. Receiving
    a. Status of receiver (valves, door seals, vents, etc.): (Historical Info. Leaky Valve) PAUL MORRISSETTE
    b. Receiver compliant with 192.750 to prevent opening pressurized vessels (pressure gauges, equalizing connections, and/or devices to prevent opening pressurized vessels)
    c. Access to receiver to clean/retrieve pigs: ACCESSIBLE YET LIMITED
    d. Contractors and equipment required for assistance in receiving, unloading and cleaning pigs: Bobcat
    e. Liquid/Debris: ??
        1) Sample liquids and solids recovered on first pig run prior to pumping any chemicals and send to lab for analysis along with ESRI load spreadsheet.
            a. Utilize sampling kit to take sample: YES
            b. Sample both liquids and solids: YES - E&P SERVICES (REP. JASON WILSON)
        2) Review piping connections to temporary separator and need to flow through separator throughout the project to prevent liquid / solids carryover to downstream piping / facilities. FESCO (REP. CHAD BACAK)
        3) Is there a need to flow through the portable separator between pig runs (overnight)? If so, need personal to man separator overnight. ??
        4) Does a history of iron sulfide exist in pipeline (possible ignition): ??
        5) Fire retardant chemical (3% ANSUL) and pressure sprayer on location to spray pigs if iron sulfide present. BOBCAT
        6) Drums with airtight lids to store pigs and prevent reacting with air.
        7) Frac tank(s) needed FESCO
        8) Vacuum truck needed FESCO
        9) Temporary catch basin needed YES, IS THERE
        10) ILI vendor requirements for cleaning pig CLEAN!
        11) Notify Environmental Specialist for liquid / solid waste disposal Bobcat
        12) MSDS sheets for chemicals to be used – safety precautions N/A
    f. If cleaning chemical or corrosion inhibitors will be used: TBD (After first run)
        1) Take moisture content and odorant level readings prior to injecting chemicals.
        2) Monitor moisture content and odorant levels after injecting chemicals.

[Date: June 15, 2021
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3) Calculate corrosion inhibitor volume based on 3 mill film thickness
4) Utilize spreader pig after to spread corrosion inhibitor designed for 3 mil film thickness
5) Document type of chemical used and results of moisture and odorant tests in CM+ Pig Survey work order.

g. Is flare stack required? (Y/N): YES AT LAUNCHER/ ZEVAC AT RECEIVER
   1) Volume: ~ FESCO
   2) Pressure:
   3) Location:
   4) Measurement for flare: TBD
   5) Install temporary piping to allow pig trap to be blown down to flare stack: FESCO
   6) ROW considerations: YES DUE TO TRAFFIC PLANS NEEDED
   7) Contact city and county officials for any permits required. YES DUE TO FLARE
   8) Provide planned dates of flaring, reason for flaring, anticipated start time, anticipated stop time, location and line involved to: YES
      a. Kristen Jones (environmental)
      b. Manager of Public Affairs
      c. Jeff Hardgrave

K. Tracking
   a. AGM / Valve survey: Surveying Now. Follow up (TIR) survey
   b. Cleaning pig tracking (locations, contractors, etc.): BOBCAT
   c. ILI tracking (locations, contractor, etc.): TIR
   d. Assistance required from ROW Dept to access sites or unlock gates? N/A

L. Miscellaneous
   a. Atmos employee who will submit Gas Control Clearances: FCC (RODGER)
   b. Atmos employee who will prepare Gas Loss Report Form 506 (include flare meter volumes calculation of gas loss for pig trap blow downs): FESCO / FCC
   c. Any possible AC current/voltage on pipe or traps? If yes, need grounding straps on vehicles and to measure AC prior to work. ??
   d. Contingencies for stuck pig: Regan H. / Monte Hadley
   e. Atmos Employee who will verify contractor OQ: FCC
   f. Overtime / Relief crews needed? N/A

G. Pig Stoppage Prevention and Contingency Planning
   a. Mainline Valves
      1. Verify all ML valves are in the fully open position
      2. Verify that one of the straddle valves on ML valve setting is closed
   b. Review results of prior pig runs
      1. Pig stoppages
      2. Debris recovered (MAINTENANCE PIG 2017 – RECOVERED ~ 15 GAL.) (FOAM PIG)
      3. Pig / tool damage (N/A)
   c. Cleaning pig runs
      1. Start with less aggressive pigs
      2. Review need for chemical cleaning based on debris recovered / condition of pig on initial cleaning runs.
      3. Should bi-directional cleaning pigs be used ??
      4. If MFL-A and MFL-C tools are to be run, schedule a cleaning pig run between the MFL-A and MFL-C tool runs due to potential of MFL-A tool dislodging debris from the pipe wall.

[Date: June 15, 2021
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d. If speed control cleaning pig used:
    1. Review programing of speed control bypass during pig stoppage.
    2. Input from Gas Control and Planning on bypass valve cycle times
    3. Include estimates of pressure build up upstream of pig and pressure decline downstream of pig
e. Ability to serve customers if stuck pig causes blockage
    1. Gas Control – ability to feed from both directions
    2. Pressure Control – can distribution systems be fed from other sources
f. Review of Emergency Isolation Documents (available in ESRI)
g. Recommended responses to stuck pig
    1. Confirm location of pig
        a. Frequency of cleaning pig tracking
        b. Verify transmitters securely installed in all cleaning pigs
    2. Determine differential pressure
    3. Maximum safe differential pressure
    4. Possibility of flow reversal to recover pig
    5. Launch recovery pig versus cut out
h. Pig cut out:
    1. Review drawing with material list
    2. Availability of stopple fittings, bypass piping, pre-tested pipe
i. Document contingency planning review in PSMS database