



INOPERABLE VALVES - ALTERNATE MEANS OF CONTROL

TD-4430P-04-F02
08/26/10

SECTION A - IDENTIFY INOPERABLE VALVE

LAN ID: [REDACTED]

DATE: 8/5/10

1. VALVE DESIGNATION: Z-02

2. PLAT 3805 - I02

3. BLOCK Unk

4. ADDRESS Shaw & Minnewawa, Fresno

5. OPERATING MAP/DIAG (TRANSMISSION ONLY) N/A

LINE# N/A

MILEPOINT: N/A

7. COMMENTS (LONG TEXT):

Some confusion on valve ID - GIS calls it Z-02, Op Map calls it B-18 (B-18 is the Fire valve in GIS)

8. OPERATING MODES:

- NORMAL, WIDE OPEN
- NORMAL, FULLY CLOSED
- STATION ISOLATION
- ZONE SHUTDOWN
- THROTTLING
- TAP VALVE, BRANCH ISOLATION
- FIRE VALVE
- OTHER Sectionalising

Instructions for filling out form

1. Section A - Fully identify the valve that is found to be inoperable. Check all the operating modes that the inoperable valve is used.
2. Section B - Identify all the valves to be used as alternate means of control.
3. Section C - Write a sequence of operations for each mode of operation. Normal states are for reference only. "Tagged", "Completed by" and "Time/Date" columns should be left blank until the sequence is executed.
4. Completed form shall be filed with the current valve maintenance card.
5. Fire Valves: In most cases the valve maintenance card for fire valves will be kept with the reg station maintenance folder. Where it isn't a copy of this form is to be kept with the reg station maintenance folder as well as where the valve maintenance card is kept.

SECTION B - IDENTIFY ALTERNATE VALVES (DISTRIBUTION)

| DESIGNATION | PLAT | BLOCK | ADDRESS |
|----------------------|------------|-------|------------------|
| 1. B-09 | 3805 - I02 | Unk | Shaw & Minnewawa |
| 2. B-18 (Fire valve) | 3805 - I02 | Unk | Shaw & Minnewawa |
| 3. | / | / | / |
| 4. | / | / | / |

- IDENTIFY ALTERNATE VALVES (TRANSMISSION)

| DESIGNATION | OPERATING MAP/DIAG | LINE# | MILEPOINT: |
|-------------|--------------------|-------|------------|
| 1. | / | / | / |
| 2. | / | / | / |
| 3. | / | / | / |
| 4. | / | / | / |

SECTION C - ALTERNATE SEQUENCE OF OPERATIONS

OPERATING MODE #1 (FROM STEP 8) Sectionalising FB 1202-09 at Alt location B-09

| QERN NO. | LOCATION | OPERATION | VALVE NO. | TAGGED | REMARKS | COMPLETED BY | TIME/DATE |
|----------|------------------|-----------|-----------|--------|--------------------------------------|--------------|-----------|
| 1 | Shaw & Minnewawa | Close | B-09 | | Normally Open, Close to Section | | |
| 2 | Shaw & Minnewawa | Close | B-18 | | Fire valve at DREG App. No backfeed. | | |
| 3 | Shaw & Minnewawa | Open | B-09 | | Restore Normal OP | | |
| 4 | Shaw & Minnewawa | Open | B-18 | | Restore Normal OP | | |

OPERATING MODE #2 (FROM STEP 8)

| QERN NO. | LOCATION | OPERATION | VALVE NO. | TAGGED | REMARKS | COMPLETED BY | TIME/DATE |
|----------|----------|-----------|-----------|--------|---------|--------------|-----------|
| / | / | / | / | / | / | / | / |
| / | / | / | / | / | / | / | / |
| / | / | / | / | / | / | / | / |



SECTION C CONT - ALTERNATE SEQUENCE OF OPERATIONS

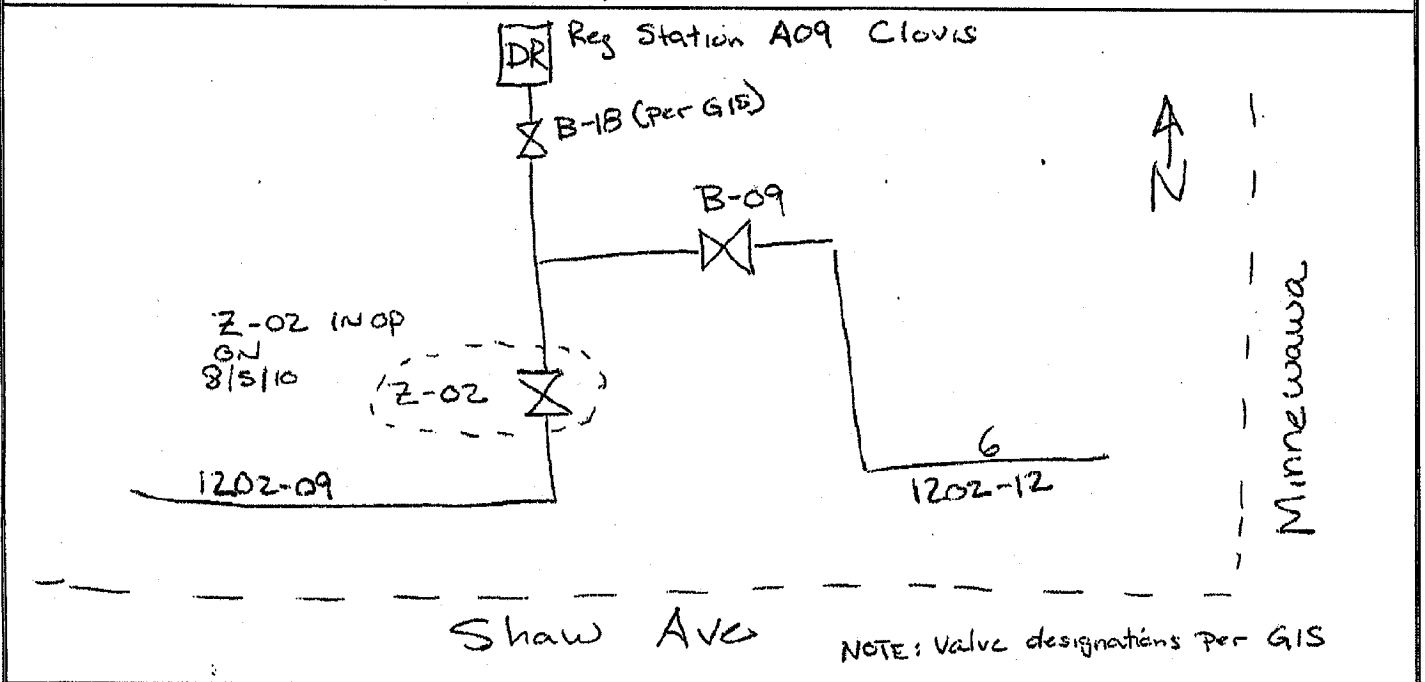
OPERATING MODE #3 (FROM STEP 8)

| QERN No. | LOCATION | OPERATION | VALVE No. | TAGGED | REMARKS | COMPLETED BY | TIME/DATE |
|----------|----------|-----------|-----------|--------|---------|--------------|-----------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OPERATING MODE #4 (FROM STEP 8)

| QERN No. | LOCATION | OPERATION | VALVE No. | TAGGED | REMARKS | COMPLETED BY | TIME/DATE |
|----------|----------|-----------|-----------|--------|---------|--------------|-----------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

SECTION D - SKETCH & COMMENTS (OPTIONAL FOR CLARITY)



Note: Closure of firevalve B-18 will result in loss of supply. Monitor pressure downstream of A09 and provide alternate supplies as needed (LNG, CNG)