



FC22-1

## MUD PUMP FIELD INSPECTION REPORT

### SCOPE OF WORK

Good, Fair, and Replace/Repair are used throughout the scopes to describe condition of components. The definition and action for these are as follows:

**Good:** Like new and no signs of appreciable wear. Fit for service as is.

**Fair:** Some wear apparent but part looks OK for continued use. Must be verified by supervisor or customer representative. If possible, photograph for file.

**Replace/Repair:** Component not for use as is. Must be replaced or repaired prior to going back into service. Must be verified by supervisor or customer representative. If possible, photograph for file.

CUSTOMER: GOLDMARK RIG: WO 1459 GGP 6173

MODEL: PZ-9 PACKAGE S/N: \_\_\_\_\_

INSPECTED BY: PETER TRAHAN & JIM MCPHERSON DATE: JANUARY 30, 2020

### POWER END

ANY OIL LEAKS EVIDENT? NO

BULL GEAR CONDITION: GOOD PINION GEAR CONDITION: GOOD

BULL GEAR RUNOUT: \_\_\_\_\_ PINION SHAFT RUNOUT (CHECK IN SEVERAL PLACES) \_\_\_\_\_

GEAR BACKLASH: (CHECK IN 4 PLACES) (1) X (2) X (3) X (4) X

METHOD OF CHECKING BACKLASH? \_\_\_\_\_

PINION SHAFT END PLAY: \_\_\_\_\_

PINION SHAFT FLOATS PROPERLY? (Y/N) YES

CRANKSHAFT END PLAY: \_\_\_\_\_

BREATHER CONDITION? GOOD

INTERMEDIATE RODS PROPERLY SHOULDERED? (Y/N) YES

CROSSHEAD/ROD OILER SHIELDS IN PLACE? (Y/N) YES

OILER TROUGHES IN PLACE & PROPERLY ADJUSTED? YES

OIL CONDITION? (MUD, DIRTY, WATER, ETC.) GOOD



**BEARING CLEARANCES & CONDITION: (CHECK FOR BROKEN, RUSTED, PITTED AND FLAKING BEARINGS; Minimum & Maximum Bearing Clearances Allowed)**

0.008" – 0.010" Okay to run until the next annual inspection

0.011" – 0.013" Replace at next scheduled maintenance

0.014" – 0.016" Replace at first break in drilling (e.g., logging, or completion of well)

0.017" & Above Replace Immediately

**CROSSHEAD BEARING CLEARANCES:**

LEFT \_\_\_\_\_ CENTER \_\_\_\_\_ RIGHT \_\_\_\_\_

**CROSSHEAD BEARING CONDITION:**

LEFT \_\_\_\_\_ CENTER \_\_\_\_\_ RIGHT \_\_\_\_\_

**CONNECTING ROD BEARING CLEARANCES:**

LEFT 0.010 CENTER 0.010 RIGHT 0.012

**CONNECTING ROD BEARING CONDITION:**

LEFT GOOD CENTER GOOD RIGHT GOOD

**PINION BEARING CLEARANCES:** LEFT 0.004 RIGHT 0.003

**PINION BEARING CONDITION:** LEFT GOOD RIGHT GOOD

**MAIN BEARING CLEARANCES:** LEFT 0.007 RIGHT 0.007

**MAIN BEARING CONDITION:** LEFT GOOD RIGHT GOOD

**COMMENTS:**

- LINER WHAS CANS NEED REP

- NEED PUMP GUAGE