

## Ridge Cementing, LLC

### Pre-Job Planner

| Date:               | 5/18/2015                | SO #          | C5CO3104 | Lease:            | SENG 33-7 | Well No:        | N/A            |
|---------------------|--------------------------|---------------|----------|-------------------|-----------|-----------------|----------------|
| Customer:           | Anadarko Petroleum Corp. |               |          | Job Type:         | PTA       | Stage:          | N/A            |
| Event               |                          | Volume (BBLS) | Sacks    | Density (lbs/gal) |           | Yield (cuft/sk) | Water (gal/sk) |
| Plug 1              |                          |               |          |                   |           |                 |                |
| Load Lines          |                          | 2.00          |          | 8.33              |           |                 |                |
| Pressure test Lines |                          | 3000psi       |          | 8.33              |           |                 |                |
| H2O spacer          |                          | 5.00          |          | 8.33              |           |                 |                |
| Ridge APC III Cmt   |                          | 12.10         | 50       | 15.80             |           | 1.36            | 5.65           |
| Displacment         |                          | 21.80         |          | 8.33              |           |                 |                |
| Balance/Shutdown    |                          |               |          |                   |           |                 |                |
| Plug 2              |                          |               |          |                   |           |                 |                |
| H2O spacer          |                          | 5.00          |          | 8.33              |           |                 |                |
| Ridge APC II Cmt    |                          | 6.20          | 30       | 15.80             |           | 1.16            | 4.96           |
| Displacment         |                          | 14.80         |          | 8.33              |           |                 |                |
| Balance/Shutdown    |                          |               |          |                   |           |                 |                |

### Cement Data

| Ridge APC III Cmt               |  | Ridge APC II Cmt                |  |
|---------------------------------|--|---------------------------------|--|
| 50 sks                          |  | 30 sks                          |  |
| Mountain G                      |  | Mountain G                      |  |
| RCD-3 0.4%                      |  | RCD-3 0.4%                      |  |
| RCD-7 0.4%                      |  | RCD-7 0.4%                      |  |
| RCR-300 0.1%                    |  | RCaCl2 0.5%                     |  |
| RSF-325 20%                     |  |                                 |  |
| RLCM-1 0.25%                    |  |                                 |  |
| Yield - 1.36 ft3/sk             |  | Yield - 1.16 ft3/sk             |  |
| Water Requirement - 5.65 gal/sk |  | Water Requirement - 4.96 gal/sk |  |



## JOB SUMMARY

|                    |               |
|--------------------|---------------|
| JOB DATE           | 05/18/15      |
| SUPERVISOR         | Matt Bulinski |
| CITY               | Fort Lupton   |
| SALES ORDER NUMBER | C5CO3104      |

|                      |                          |                 |                  |               |              |
|----------------------|--------------------------|-----------------|------------------|---------------|--------------|
| CUSTOMER             | ANADARKO PETROLEUM CORP. | CUSTOMER REP.   | Bill Smith       | TICKET AMOUNT |              |
| WELL TYPE            | Oil                      | STATE           | Colorado         | COUNTY        | Weld         |
| WELL NAME AND NUMBER | SENG 33-7                | SEC / TWN / RNG | Sec. 7, 1 N, 65W | API #         | 05-123-23947 |

| EMP NAME        | EXP. HOUR | EQUIPMENT | R/T MILES | EMP NAME | EXP. HOUR | EQUIPMENT | R/T MILES |
|-----------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| Matt Bulinski   | 4.5       | 6313      | 112       |          |           |           |           |
| Bob Hale        | 4.5       | 6319      | 112       |          |           |           |           |
| Brian Barnes    | 4.5       | 6100/6208 | 112       |          |           |           |           |
| Thaddeus Harrah | 4.5       | 6105/6201 | 112       |          |           |           |           |
| Corey Thaut     | 4.5       | 6318      | 112       |          |           |           |           |

| DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED | LEAVE LOCATION |
|------|------------|-------------|-------------|---------------|----------------|
|      | 5/18/2015  | 5/18/2015   | 5/18/2015   | 5/18/2015     | 5/18/2015      |
| TIME | 6:00 AM    | 8:45 AM     | 10:55 AM    | 12:36 PM      | 1:30 PM        |

| WELL TUBULAR DATA |          |        |        |        |        | TOOLS / PERFS & TOC |        |                 |
|-------------------|----------|--------|--------|--------|--------|---------------------|--------|-----------------|
| TUBULAR NAME      | NEW/USED | WEIGHT | SIZE   | FROM   | TO     | Formation           | Length | DEPTH           |
| Surface Csg.      | ~        | 24     | 8.625" | 0'     | 1,158' | Niobrara/Codell     | 780'   | 7,300 - 6,520'  |
| Production Csg.   |          | 11.6   | 4.5"   | 0'     | 7,978' | Sussex              | 400'   | 4,670' - 4,270' |
| 4.5" Csg when cut |          | 11.6   | 4.5"   | 1,610' | 7,978' |                     |        |                 |
| Tubing            | 1st plug | 4.7    | 2.375" | 0'     | 7,300' |                     |        |                 |
| Tubing            | 2nd plug | 4.7    | 2.375" | 0'     | 4,670' |                     |        |                 |
| Open Hole         |          |        | 9"     |        |        |                     |        |                 |

| JOB PROCEDURE AND MATERIALS |                      |              |           |  |            |       |               |
|-----------------------------|----------------------|--------------|-----------|--|------------|-------|---------------|
| STAGE                       | FLUID NAME           | VOLUME (BBL) | BULK (SK) | FLUID DESCRIPTION                                | WATER REQ. | YIELD | DENSITY (PPG) |
| 1                           | 1st Plug 780'        | -            | -         | 7,300' to 6,520'                                 | -          | -     | -             |
| 2                           | Start Job/Load Lines | 2            |           | H2O  |            |       | 8.33          |
| 3                           | 3000psi Test         | 0.5          |           | H2O  |            |       | 8.33          |
| 4                           | Spacer               | 5            |           | H2O  |            |       | 8.33          |
| 5                           | Ridge APC III Cmt    | 12.1         | 50        | Mountain G, RCD-3 0.4%, RCD-7 0.4%, RCR-300 0.1% | 5.65       | 1.36  | 15.8          |
| 6                           |                      |              |           | RSF-325 20%, RLCM-1 0.25%                        |            |       |               |
| 7                           | Displacement         | 21.8         |           | H2O  |            |       | 8.33          |
| 8                           | Balance/Shutdown     |              |           |  |            |       |               |
| 9                           | 2nd Plug 400'        |              |           |  |            |       |               |
| 10                          | Spacer               | 5            |           | H2O  |            |       | 8.33          |
| 11                          | Ridge APC II Cmt     | 6.2          | 30        | Mountain G, RCD-3 0.4%, RCD-7 0.4%               | 4.96       | 1.16  | 15.8          |
| 12                          |                      |              |           | RCaCl2 0.5%                                      |            |       |               |
| 13                          | Displacement         | 14.8         |           | H2O  |            |       | 8.33          |
| 14                          | Balance/Shutdown     |              |           |  |            |       |               |
| 15                          |                      |              |           |  |            |       |               |

### OTHER JOB NOTES

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE

SIGNATURE

## Ridge Cementing, LLC

### Pre-Job Planner

| Date:            | 5/19/2015     | SO #  | C5CO3105          | Lease:          | SENG 33-7      | Well No: | N/A |
|------------------|---------------|-------|-------------------|-----------------|----------------|----------|-----|
| Customer:        | Anadarko      |       |                   | Job Type:       | Stub Plug      | Stage:   | N/A |
| Event            | Volume (BBLs) | Sacks | Density (lbs/gal) | Yield (cuft/sk) | Water (gal/sk) |          |     |
| Start/Load Lines | 2.00          |       | 8.33              |                 |                |          |     |
| 3000psi Test     | 0.50          |       | 8.33              |                 |                |          |     |
| H2O Spacer       | 5.00          |       | 8.33              |                 |                |          |     |
| RXFlush I        | 10.00         |       | 8.40              |                 |                |          |     |
| H2O Spacer       | 10.00         |       | 8.33              |                 |                |          |     |
| Ridge APC IV     | 66.80         | 280   | 14.80             | 1.34            | 6.36           |          |     |
| Displacement     | 2.50          |       | 8.33              |                 |                |          |     |

### Cement Data

|              |      |  |
|--------------|------|--|
| Ridge APC IV |      |  |
| 280 Sacks    |      |  |
| Type I/II    |      |  |
| 1% RCaCl2    |      |  |
| 0.25% RLCM-1 |      |  |
|              |      |  |
|              |      |  |
|              |      |  |
| Density      | 14.8 |  |
| Yield        | 1.34 |  |
| Water Req:   | 6.36 |  |



## JOB SUMMARY

|                    |             |
|--------------------|-------------|
| JOB DATE           | 05/19/15    |
| TICKET AMOUNT      | Bob Hale    |
| CITY               | Fort Lupton |
| SALES ORDER NUMBER | C5CO3105    |

|                      |            |                 |                 |
|----------------------|------------|-----------------|-----------------|
| CUSTOMER             | Anadarko   | CUSTOMER REP.   | Bill Smith      |
| WELL TYPE            | Oil        | STATE           | Colorado        |
| WELL NAME AND NUMBER | SENGE 33-7 | SEC / TWN / RNG | SEC. 7, 1N, 65W |
|                      |            | API #           | 05-123-23947    |

| EMP NAME        | EXP. HOUR | EQUIPMENT | R/T MILES | EMP NAME | EXP. HOUR | EQUIPMENT | R/T MILES |
|-----------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| Bob Hale        | 2         | 6319      | 112       |          |           |           |           |
| Brian Barnes    | 2         | 6100/6108 | 112       |          |           |           |           |
| Thaddeus Harrah | 2         | 6105/6201 | 112       |          |           |           |           |
| Cory Thought    | 2         | 6318      | 112       |          |           |           |           |
|                 |           |           |           |          |           |           |           |
|                 |           |           |           |          |           |           |           |

| DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED | LEAVE LOCATION |
|------|------------|-------------|-------------|---------------|----------------|
| TIME | 5/19/2015  | 5/19/2015   | 5/19/2015   | 5/19/2015     | 5/19/2015      |
|      | 7:00 AM    | 11:00 AM    | 11:55 AM    | 12:30 PM      | 1:00 PM        |

| WELL TUBULAR DATA |          |        |        |        |        | Formation/ TOC |        |      |
|-------------------|----------|--------|--------|--------|--------|----------------|--------|------|
| TUBULAR NAME      | NEW/USED | WEIGHT | SIZE   | FROM   | TO     | NAME           | Length | TOC  |
| Surface Csg.      | -        | 24     | 8.652" | 0'     | 1,158  | Stub Plug      | 1,018' | 692' |
| Production Csg.   |          | 11.6   | 4.5"   | 1,610' | 7,978' |                |        |      |
| Tubing            |          | 4.7    | 2.375" | 0'     | 1,710' |                |        |      |
| Open Hole         |          |        | 9      | 1,158' | 1,610' |                |        |      |

| JOB PROCEDURE AND MATERIALS |                      |              |           |                     |            |       |               |  |
|-----------------------------|----------------------|--------------|-----------|---------------------|------------|-------|---------------|--|
| STAGE                       | FLUID NAME           | VOLUME (BBL) | BULK (SK) | FLUID DESCRIPTION   | WATER REQ. | YIELD | DENSITY (PPG) |  |
| 1                           | <b>Stub Plug</b>     | -            | -         | -                   | -          | -     | -             |  |
| 2                           | Start Job/Load Lines | 2            |           | H2O                 |            |       | 8.33          |  |
| 3                           | 3000psi Test         | 0.5          |           | H2O                 |            |       | 8.33          |  |
| 4                           | Spacer 1             | 5            |           | H2O                 |            |       | 8.33          |  |
| 5                           | Spacer 2             | 10           |           | RXFlush I           |            |       | 8.4           |  |
| 6                           | Spacer 3             | 10           |           | H2O                 |            |       | 8.33          |  |
| 7                           | Ridge APC IV         | 66.8         | 280       | Type III, 1% RCaCl2 | 6.36       | 1.34  | 14.8          |  |
| 8                           |                      |              |           | 0.25% RCLM-1        |            |       |               |  |
| 9                           | Displacement         | 2.5          |           | H2O                 |            |       | 8.33          |  |
| 10                          | Balance/Shutdown     |              |           |                     |            |       |               |  |

OTHER JOB NOTES

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE

SIGNATURE