

Cement Verification Report - Cementer's Well Service, Inc.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712



COGCC Operator Guidance RULE #308.A.B(2)A.ii

| | | |
|--------------------|------------------------------|----------|
| CLIENT: PDC Energy | Cementor's FIELD TICKET # | 300193-D |
|--------------------|------------------------------|----------|

Requested Operator Guidance:

| | | | | |
|--------------------|-------|------------|----------|----|
| Well Name & Number | Lease | Watermelon | Well No. | 3N |
|--------------------|-------|------------|----------|----|

| | |
|-----------------|--------------|
| Well API Number | 05-123-50725 |
|-----------------|--------------|

| | | | | |
|----------|---------|---------|------|------------|
| Job Date | 11/1/21 | Time on | 8:45 | 24 hr time |
|----------|---------|---------|------|------------|

| | |
|----------|------------------|
| Job Type | New Well Surface |
|----------|------------------|

| | | | |
|-------------------|------------------------------|---------|----------------------------|
| Cementing Company | Cementor's Well Service, Inc | Contact | Nate Kvamme - 303-324-4296 |
|-------------------|------------------------------|---------|----------------------------|

| | | | |
|--------------------|------|----|------------|
| Ambient conditions | snow | 36 | temp deg F |
|--------------------|------|----|------------|

| | |
|--------------------|--|
| Slurry Description | |
|--------------------|--|

| | |
|------------|--|
| a) Purpose | Surface - 9 5/8" 40# CSG, 13 1/2" hole |
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| | |
|-----------------|-------------|
| b) Cement Class | Type I / II |
|-----------------|-------------|

| | | |
|-----------------|------|-----------|
| c) Cement Yield | 1.61 | cuft / sk |
|-----------------|------|-----------|

| | | |
|-------------------|------|-----|
| d) Cement Density | 13.9 | PPG |
|-------------------|------|-----|

| | | |
|------------------|-----|-----------------|
| e) Number of sks | 650 | sks (94# equiv) |
|------------------|-----|-----------------|

| | |
|-------------------|--|
| f) Mix Fluid Type | |
|-------------------|--|

| | | |
|----------------|-----|----------|
| Water / Cement | 8.5 | Gal / sk |
|----------------|-----|----------|

| | | |
|-----------------|-------|-------------|
| g) Slurry mixed | 186.3 | BBLs slurry |
|-----------------|-------|-------------|

| | | |
|-------------------|-------------|-----------------|
| h) Additives used | 1.50% CaCl2 | 3.00% Bentonite |
|-------------------|-------------|-----------------|

| | | |
|------------------|-------|----------|
| Total Water Used | 276.0 | BBLs H2O |
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| | | |
|---------------------------|-------|----------|
| i) Displacement Fluid Vol | 124.5 | BBLs H2O |
|---------------------------|-------|----------|

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|------------------------|--|
| j) Method of Placement | |
|------------------------|--|

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|--------------|-------|-----------|
| k) Set Depth | 1,653 | feet (ft) |
|--------------|-------|-----------|

| | |
|---------------------|-----|
| l) Stage tool depth | n/a |
|---------------------|-----|

| | | |
|-----------------------|-------|-----------|
| m) Float Collar Depth | 1,611 | feet (ft) |
|-----------------------|-------|-----------|

| | | |
|---------------------------|-----|------------|
| n) Designed Top of Cement | n/a | to surface |
|---------------------------|-----|------------|

| | | |
|-----------------------|---|-----------|
| o) Centralizer depths | 0 | feet (ft) |
|-----------------------|---|-----------|

Charts - (pressure, density, pump rate)

| | | | | | |
|---------------|------|-----|-----------------------|-----|-----|
| Landed Plug @ | 1725 | psi | Final Lift Pressure @ | 475 | psi |
|---------------|------|-----|-----------------------|-----|-----|

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|--|------|-----|
| Cement Density (as weighed during job) @ | 13.9 | PPG |
|--|------|-----|

Job notes

| | | | | |
|--------------|-------|------|-------|------------|
| a) Plug down | Y / N | Time | 11:48 | 24 hr time |
|--------------|-------|------|-------|------------|

| | | |
|----------------|-------|---------|
| b) Floats held | Y / N | 11/1/21 |
|----------------|-------|---------|

| | | | |
|-----------------|-------|------------------|-------|
| c) Full Returns | Y / N | Lost Circulation | Y / N |
|-----------------|-------|------------------|-------|

| | | | |
|----------------------|-------|------|-----------------|
| d) Cement to surface | Y / N | 16.0 | BBLs to surface |
|----------------------|-------|------|-----------------|

| | | |
|---------------------------|-----|------|
| e) If no returns, top off | n/a | BBLs |
|---------------------------|-----|------|

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|-------------------|--|
| f) Top off detail | |
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Centralizer Depths

Well Name: Watermelon 3N

Surface, Set Depth: 1,652.9ftKB

| | | | | | | | | | |
|-----------------------------------|--|--|--|--------------------------|------------------|--------------------|--|---------------------------------------|--|
| API 05123507250000 | | Surface Legal Location NWNW 16 5N 64W | | Field Name Wattenberg | | State CO | | Well Configuration Type Horizontal | |
| Ground Elevation (ft) 4,610.00 | Original KB Elevation (ft) 4,623.00 | KB-Ground Distance (ft) 13.00 | | Spud Date | Rig Release Date | On Production Date | | Abandon Date | |

Casing Run Tally

| Run # | Ref # | Item Des | OD (in) | Wt (lb/ft) | Grade | Run? | Len (ft) | Centralized? | Ext Jw/ry | Connections | Top (ftKB) | Cum Len (ft) |
|-------|-------|---------------|---------|------------|-------|------|----------|--------------|-----------|-------------|------------|--------------|
| 2 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.88 | Yes | | LT&C | 1,609.2 | 43.73 |
| 6 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.83 | Yes | | LT&C | 1,442.4 | 210.51 |
| 10 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.82 | Yes | | LT&C | 1,275.1 | 377.81 |
| 11 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.82 | Yes | | LT&C | 1,233.3 | 419.63 |
| 14 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.83 | Yes | | LT&C | 1,107.8 | 545.13 |
| 18 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.84 | Yes | | LT&C | 940.5 | 712.44 |
| 22 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.81 | Yes | | LT&C | 773.2 | 879.67 |
| 26 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.81 | Yes | | LT&C | 606.1 | 1,046.85 |
| 30 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.81 | Yes | | LT&C | 438.8 | 1,214.13 |
| 34 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.83 | Yes | | LT&C | 271.5 | 1,381.43 |
| 38 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.82 | Yes | | LT&C | 104.2 | 1,548.71 |
| 39 | | Casing Joints | 9 5/8 | 36.00 | J-55 | Yes | 41.84 | Yes | | LT&C | 62.4 | 1,590.55 |