



Job Summary

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|--------------------------|------------------|
| Ticket Number | Ticket Date |
| TN# BCO-1904-0105 | 4/26/2019 |

| | | |
|---------------------------------------|-----------------------------|-----------------------|
| COUNTY | COMPANY | API Number |
| Weld | BONANZA CREEK ENERGY | 05-123-49095 |
| WELL NAME | RIG | JOB TYPE |
| Antelope Federal Y44-U41-20HNB | Akita 519 | Surface Casing |
| SURFACE WELL LOCATION | CJES Field Supervisor | CUSTOMER REP |
| 40.379652 -104.346595 | Tony Yates | Tim Joel |

| | | |
|-----------|--|--|
| EMPLOYEES | | |
| | | |
| | | |

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|---|--|--------------------------------------|--|
| WELL PROFILE | | | |
| Max Treating Pressure (psi): | | Bottom Hole Static Temperature (°F): | |
| Bottom Hole Circulating Temperature (°F): | | Well Type: | |

Open Hole

| | | | | | |
|---|-----------|---------------|-------------|---------------|-------------|
| 1 | Size (in) | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| | 13.5 | 1636 | 0 | | |
| 2 | Size (in) | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| | | | | | |

Casing/Tubing/Drill Pipe

| Type | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
|---------|-----------|----------------|-------|---------------|-------------|---------------|-------------|
| Surface | 9 5/8 | 36 | | 1626 | 0 | | |
| Type | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
| | | | | | | | |
| Type | Size (in) | Weight (lb/ft) | Grade | TMD From (ft) | TMD to (ft) | TVD From (Ft) | TVD to (Ft) |
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CEMENT DATA

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|--------------------------|------------------|---------------|----------------|------------|
| Stage 1: | From Depth (ft): | 1004 | To Depth (ft): | 0 |
| Type: Lead cement | Volume (sacks): | 295 | Volume (bbls): | 127 |
| Cement & Additives: | | Density (ppg) | Yield (ft³/sk) | Water Req. |
| Lead cement | | 12 | 2.42 | 14.25 |

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|--------------------------|------------------|---------------|----------------|------------|
| Stage 2: | From Depth (ft): | 1636 | To Depth (ft): | 1004 |
| Type: Tail cement | Volume (sacks): | 230 | Volume (bbls): | 60 |
| Cement & Additives: | | Density (ppg) | Yield (ft³/sk) | Water Req. |
| Tail cement | | 14.2 | 1.47 | 7.31 |

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|----------------------|------------------|---------------|----------------|------------|
| Stage 3: | From Depth (ft): | 15 | To Depth (ft): | 0 |
| Type: Top Off | Volume (sacks): | 35 | Volume (bbls): | 8.3 |
| Cement & Additives: | | Density (ppg) | Yield (ft³/sk) | Water Req. |
| 100 % type 3 | | 14.6 | 1.33 | 6.32 |

| | | | | |
|---------------------|------------------|---------------|----------------|------------|
| Stage 4: | From Depth (ft): | | To Depth (ft): | |
| Type: | Volume (sacks): | | Volume (bbls): | |
| Cement & Additives: | | Density (ppg) | Yield (ft³/sk) | Water Req. |
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SUMMARY

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|-------------------------------------|----------------|--------------------------------|-------|----------------------|---------|
| Preflushes: | 10 bbls of Dye | Calculated Displacement (bbl): | 122.4 | Stage 1 | Stage 2 |
| | | Actual Displacement (bbl): | 122.4 | | |
| Total Preflush/Spacer Volume (bbl): | 10 | Plug Bump (Y/N): | Y | Bump Pressure (psi): | 930 |
| Total Slurry Volume (bbl): | 187 | Lost Returns (Y/N): | | (if Y, when) | |
| Total Fluid Pumped | 197 | | | | |
| Returns to Surface: | Cement 30 bbls | | | | |

Job Notes (fluids pumped / procedures / tools / etc.): Pumped 10 bbls red dye. Mixed and pumped 127 bbls lead cement at 12 ppg (295 sacks). Mixed and pumped 60 bbls tail cement at 14.2 ppg (230 sacks). Displaced 122.4 bbls fresh water. Landed plug 500 psi over. Checked floats 1/2 bbl back. See job log for details.

Thank You For Using
CJES O-TEX Cementing

Customer Representative Signature: _____

Cement Job Log



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|-------------|--------------------------------|-------------|---------------|-------------------|-----------------|
| Customer: | BONANZA CREEK ENERGY | Date: | 4/26/2019 | Serv. Supervisor: | Tony Yates |
| Cust. Rep.: | Tim Joel | Ticket #: | BCO-1904-0105 | Serv. Center: | Brighton - 3021 |
| Lease: | Antelope Federal Y44-U41-20HNB | API Well #: | 05-123-49095 | County: | Weld State: CO |
| Well Type: | Oil | Rig: | Akita 519 | Type of Job: | Surface Casing |

Materials Furnished by C&J ENERGY SERVICES

| Plugs | Casing Hardware | Physical Slurry Properties | | | | | | |
|-----------------------------|--|----------------------------|---------------------|--------|-----------------|--------------------|---------------------|------------------|
| | | Sacks of Cement | Fluid Dens (lb/gal) | Excess | Yield (cuft/sk) | Mix Water (gal/sk) | Fluid Volume (bbls) | Mix Water (bbls) |
| Spacer - 20 bbl Fresh Water | | | | | | 20.00 | | |
| Lead | 100 % CJ922 +2.0 % CJ110+2.0 % CJ101+0.25 PPS CJ600+0.4 % CJX157011 | 295 | 12 | | 2.42 | 14.25 | 127.14 | 100 |
| Tail | 100 % CJ922 +1.0 % CJ110+0.25 PPS CJ600+0.4 % CJX157011 | 230 | 14.2 | | 1.47 | 7.31 | 60.37 | 40 |
| Top Out (If Needed) | +100 % CJ914 | 35 | 14.6 | | 1.33 | 6.32 | 8.29 | 5 |
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| Displacement Chemicals: | | | | | | | | |



Client Bonanza Creek
Ticket No. BCO-1904-0105
Location 20-5N-62W
Comments See job log
Client Rep Kenny
Well Name Antelope Federal Y44-U41-20HNB
Job Type Surface Casing
Supervisor Tony Yates
Unit No. 445528
Service District Brighton CO
Job Date 04/26/2019

