

CEMENT JOB REPORT



| | | | | | | | |
|---|--|---|--|---|--|--|--|
| CUSTOMER CARRIZO OIL & GAS INC XML | | DATE 17-AUG-13 | | F.R. # 10011007777 | | SERV. SUPV. VITALIJS A NEVERDASOV | |
| LEASE & WELL NAME BAILEY 7-26-8-60 - API 05123378130000 | | LOCATION 26-8N-60W | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # Xtreme Coil #17 | | TYPE OF JOB Surface | | | |

| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD | HANGER TYPES | | MD | TVD |
|-----------------------------------|--|------------------------------------|--|---------------------|--|----|-----|--------------|--|----|-----|
| Cement Plug, Rubber, Top 9-5/8 in | | Float Shoe 9-5/8 - 8rd | | NONE | | 0 | 0 | NOE | | 0 | 0 |
| | | Centralizer, with Pins, 9-5/8 in | | | | | | | | | |
| | | Float Collar, AI Flap, 9-5/8 - 8rd | | | | | | | | | |

| MATERIALS FURNISHED BY BJ | | LAB REPORT NO. | PHYSICAL SLURRY PROPERTIES | | | | | | |
|-----------------------------|--|----------------|----------------------------|----------------|---------------|-----------|------------------|------------|---------------|
| | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER |
| Fresh Water + 2 lbs Red Dye | | N/A | 0 | 8.34 | 0 | 0 | 00:00 | 15 | |
| Type III Cmt + adds | | N/A | 145 | 14.5 | 1.42 | 6.69 | 02:00 | 36.62 | 23.10 |
| Premium Lite Cmt + adds | | N/A | 397 | 13 | 1.83 | 9.36 | 03:00 | 129.27 | 88.46 |
| Fresh Water | | N/A | 0 | 8.34 | 0 | 0 | 00:00 | 108.23 | |
| Type III Neat | | N/A | 100 | 14.8 | 1.33 | 6.33 | 00:00 | 23.61 | 15.07 |

Available Mix Water 500 Bbl. Available Displ. Fluid 250 Bbl. TOTAL 312.73 126.63

| HOLE | | | TBG-CSG-D.P. | | | | | | | COLLAR DEPTHS | | |
|-------|----------|-------|--------------|-------|------|------|------|------|-------|---------------|-------|-------|
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE |
| 12.25 | 100 | 1467 | 8.921 | 9.625 | 36 | CSG | 1440 | 1440 | J-55 | 1452 | 1405 | 0 |

| LAST CASING | | | | PKR-CMT RET-BR PL-LINER | | | | PERF. DEPTH | | TOP CONN | | WELL FLUID | |
|-------------|----|-----|------|-------------------------|-----|--------------|-------|-------------|-----|----------|--------|----------------|------|
| ID | OD | WGT | TYPE | MD | TVD | BRAND & TYPE | DEPTH | TOP | BTM | SIZE | THREAD | TYPE | WGT. |
| 15. | 16 | 65 | | 70 | 70 | NO PACKER | 0 | 0 | 0 | 9.625 | 8 RND | WATER BASED ML | 8.4 |

| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | | MAX CSG PSI | | MIX WATER |
|---------------|------|--------------|------|-----------|--------------|---------|-------------|----------|-------------|----------|-----------|
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED | Operator | RATED | Operator | |
| 108.2 | BBLS | Fresh Water | 8.34 | 382 | 0 | 0 | 0 | 0 | 2816 | 1000 | RIG TANK |

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

| PRESSURE/RATE DETAIL | | | | | | EXPLANATION | |
|----------------------|----------------|---------|----------|-------------------|------------|--|--|
| TIME HR:MIN. | PRESSURE - PSI | | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> | |
| | PIPE | ANNULUS | | | | TEST LINES 2418 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 05:10 | 0 | 0 | 0 | 0 | N/A | ARRIVE LOCATION, 82 MILES/RIG IS READY | |
| 05:20 | 0 | 0 | 0 | 0 | N/A | SPOT TRUCKS | |
| 05:35 | 0 | 0 | 0 | 0 | N/A | PRE RIG UP SAFETY MEETING | |
| 06:20 | 0 | 0 | 0 | 0 | N/A | PRE JOB SAFETY MEETING | |
| 07:09 | 26 | 0 | 2 | 1.5 | H2O | LOAD LINES | |
| 07:14 | 2418 | 0 | .4 | .1 | H2O | PRESSURE TEST | |
| 07:17 | 126 | 0 | 4.8 | 15 | H2O | PUMP FRESH WATER SPACER/DYE | |
| 07:26 | 204 | 0 | 5 | 123 | CMT | PUMP LEAD CEMENT | |
| 07:55 | 153 | 0 | 3.6 | 33 | CMT | PUMP TAIL CEMENT | |
| 08:04 | 0 | 0 | 0 | 0 | N/A | SHUT DOWN/ DROP PLUG | |
| 08:12 | 315 | 0 | 5 | 60 | H2O | DISPLACEMENT | |
| 08:29 | 407 | 0 | 3.6 | 30 | H2O | SLOW RATE | |
| 08:40 | 535 | 0 | 2.4 | 20.5 | H2O | SLOW RATE | |
| 08:47 | 1044 | 0 | 0 | 110.5 | N/A | BUMP PLUG | |
| 09:02 | 0 | 0 | 0 | 0 | N/A | BLEED OFF/CHECK FLOATS/FLOATS DID NOT HOLD | |
| 09:07 | 1041 | 0 | 1 | .3 | H2O | PRESSURE BACK UP | |
| 09:22 | 0 | 0 | 0 | 0 | N/A | BLEED OFF/CHECK FLOATS/FLOATS HELD | |

CEMENT JOB REPORT



| PRESSURE/RATE DETAIL | | | | | | EXPLANATION | |
|----------------------|----------------|---------|-------------|----------------------|---------------|--|--|
| TIME HR:MIN. | PRESSURE - PSI | | RATE BPM | Bbl. FLUID PUMPED | FLUID TYPE | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> | |
| | PIPE | ANNULUS | | | | TEST LINES 2418 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 10:34 | 26 | 0 | 1 | 5 | CMT | TOP OUT CEMENT | |
| 10:55 | 0 | 0 | 0 | 0 | N/A | RIG DOWN SAFETY MEETING | |

| | | | | | | | |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|---|-------------------------------|
| BUMPED PLUG | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | BBL.CMT RETURNS/ REVERSED | TOTAL BBL. PUMPED | PSI LEFT ON CSG | SPOT TOP OUT CEMENT | SERVICE SUPERVISOR SIGNATURE: |
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 535 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 35 | 286 | 0 | Y <input checked="" type="checkbox"/> N | |



CEMENTING LABORATORY REPORT

Lab Report #C08-060-13

| | | | |
|-----------------|-----------------------|------------|-----------------------|
| COMPANY : | Carrizo Oil & Gas Inc | DATE: | August 16, 2013 |
| WELL NAME: | Bailey 7-26-8-60 | LOCATION: | Weld County, Colorado |
| DISTRICT: | Brighton | TYPE JOB: | Surface |
| API # | 05-123-37373-0000 | TOC(md): | |
| DEPTH MD(ft): | 1,440 ft | BHST(°F): | 109 °F |
| CASING SIZE("): | 9 5/8 in | BHCT(°F): | 85 °F |
| TUBING SIZE("): | 9 5/8 in | BHSqT(°F): | 94 °F |
| HOLE SIZE("): | 12 1/4 in | TOL (°F): | Static Circ |

SLURRY DESIGN DATA

| | |
|----|--|
| #1 | Lead Slurry: Premium Lite Cement + 6% Bentontite + 3% Calcium Chloride + 3% Sodium Chloride + 2.0 pps Kol-Seal + 0.08% Static Free + 0.5 pps Cello Flake |
| #2 | Tail Slurry: Type III Cement + 2.0 pps Kol-Seal + 1.5% Calcium Chloride + 0.08 pps Static Free + 0.5 pps Cello Flake |
| #3 | Type III Cement |

| SLURRY PROPERTIES | | | #1 | #2 | #3 |
|----------------------------|--|--|---------|-------|-------|
| Density : ppg | | | 13.00 | 14.50 | 14.80 |
| Yield :cu.ft./sk. | | | 1.83 | 1.40 | 1.33 |
| Mixing Water: gal/sk. | | | 9.36 | 6.81 | 6.33 |
| Water Type: | | | Fresh | Fresh | Fresh |
| Testing Temperature : | | | 85 °F | 90 °F | 85 °F |
| Thickening Time: hrs:mins. | | | 6:11 | 3:13 | 3:02 |
| Free Water: mls. | | | | | |
| Fluid Loss:ml/30min | | | | | |
| Compressive Strength: | | | | | |
| | | | hrs. | | |
| | | | hrs. | | |
| Rheologies | | | RPM | | |
| | | | 300 | | |
| | | | 200 | | |
| | | | 100 | | |
| | | | 6 | | |
| | | | 3 | | |
| | | | 600 | | |
| | | | PV | | |
| | | | YP | | |
| Gel Strength : #/100sq.ft. | | | 10 sec. | | |
| | | | 10 min. | | |

| | |
|-----------|--|
| REMARKS : | |
|-----------|--|

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