

CEMENT JOB REPORT



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|--|-----------------|---|--------------------------------|---|---------------------|---|--------------------|---|-------------------------|----------------------------------|-------------------|-------------------------|-------------------|----------------------|
| CUSTOMER CARRIZO OIL & GAS INC XML | | DATE 09-FEB-15 | | F.R. # 10011137924 | | SERV. SUPV. VITALIJS A NEVERDASOV | | | | | | | | |
| LEASE & WELL NAME SHULL #5-25-9-60 - API 05123410380000 | | LOCATION 25-9N-60W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # Xtreme Coil #19 | | TYPE OF JOB Intermediate | | | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD | HANGER TYPES | MD | TVD | | | | |
| Cement Plug, Rubber, Top 7 in | | Float Shoe 7 - 8rd | | NONE | | 0 | 0 | NONE | 0 | 0 | | | | |
| | | Float Collar, Al Flap, 7 - 8rd | | | | | | | | | | | | |
| | | Centralizer, with Pins, 7 in | | | | | | | | | | | | |
| MATERIALS FURNISHED BY BJ | | | | LAB REPORT NO. | | | | PHYSICAL SLURRY PROPERTIES | | | | | | |
| | | | | | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER |
| SealBond +SB Plus | | | | N/A | | | | 0 | 8.4 | 0 | 0 | 00:00 | 40 | |
| Premium Lite Cmt + adds | | | | C02-038-15 | | | | 274 | 12.5 | 1.94 | 10.64 | 02:30 | 94.77 | 69.38 |
| 50:50 (Poz:ClassG) + adds | | | | C02-038-15 | | | | 197 | 13.5 | 1.45 | 7.06 | 02:08 | 50.79 | 33.10 |
| Drilling Mud | | | | N/A | | | | 0 | 9.6 | 0 | 0 | 00:00 | 250.38 | |
| Available Mix Water 1000 Bbl. | | | | Available Displ. Fluid 600 Bbl. | | | | TOTAL | | | | 435.94 | 102.48 | |
| HOLE | | | TBG-CSG-D.P. | | | | | | | COLLAR DEPTHS | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | | |
| 8.75 | 15 | 6470 | 6.366 | 7 | 23 | CSG | 6451 | 6060 | N-80 | 6451 | 6360 | 1 | | |
| 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. | |
| 8.9 | 9.63 | 36 | CSG | 1439 | 1439 | NO PACKER | 0 | 0 | 0 | 7 | 8RND | WATER BASED | 9.6 | |
| 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 | | | |
| 250.4 | BBLs | Drilling Mud | | 9.6 | 735 | 0 | 0 | 0 | 0 | 5072 | 3000 | RIG TANK | | |
| Circulation Prior to Job | | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | | | Circulation Time: 1 | | | Circulation Rate: 5 BPM | | | | | |
| Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL | | | | | | PV & YP Mud In: 17 | | | PV & YP Mud Out: 17 | | | | | |
| Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units: | | | | | | Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> | | | | | | | | |
| Displacement And Mud Removal | | | | | | | | | | | | | | |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/> | | | | | | Amount Bled Back After Job: 1.5 BBLs | | | | | | | | |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL | | | | | | Method Used to Verify Returns: VISUAL | | | | | | | | |
| Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | | | |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | | | Quantity: 57 | | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID | | | | | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD | | | | | | | | | | | | | | |
| Plugs | | | | | | | | | | | | | | |
| Number of Attempts by BJ: 0 Competition: 0 | | | | | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity: | | | | | | | | |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | | | |
| Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | | | Top of Plug: 0 FT | | | Bottom of Plug: 0 FT | | | | | |
| Squeezes (Update Original Treatment Report for Primary Job) | | | | | | | | | | | | | | |
| BLOCK SQUEEZE <input type="checkbox"/> | | SHOE SQUEEZE <input type="checkbox"/> | | TOP OF LINER SQUEEZE <input type="checkbox"/> | | PLANNED <input type="checkbox"/> | | UNPLANNED <input type="checkbox"/> | | | | | | |
| Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | PSI Applied: 0 | | Fluid Weight: 0 LBS/GAL | | | | | | | | |
| Casing Test (Update Original Treatment Report for Primary Job) | | | | | | | | | | | | | | |
| Casing Test Pressure: 1569 PSI With 8.4 LBS/GAL Mud | | | | | | Time Held: 00 Hours 15 Minutes | | | | | | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING-NONE | | | | | | | | | | | | | | |

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 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 4552 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 06:30 | 0 | 0 | 0 | 0 | N/A | LEAVE DISTRICT | |
| 08:15 | 0 | 0 | 0 | 0 | N/A | ARRIVE ON LOCATION, 86 MILES/ RIG IS RUNNING CASING/ CUSTOMER REQUESTED CEMENT CREW @ 11:00 ON 2/9/15 | |
| 14:32 | 0 | 0 | 0 | 0 | N/A | SPOT TRUCKS | |
| 14:47 | 0 | 0 | 0 | 0 | N/A | PRE RIG UP SAFETY MEETING | |
| 15:31 | 0 | 0 | 0 | 0 | N/A | PRE JOB SAFETY MEETING | |
| 16:25 | 275 | 0 | 2 | 2 | H2O | LOAD LINE | |
| 16:27 | 4552 | 0 | .8 | .1 | H2O | PRESSURE TEST | |
| 16:30 | 187 | 0 | 3.6 | 40 | H2O | SEAL BOND SPACER | |
| 16:51 | 365 | 0 | 4.8 | 94 | CMT | BATCHWEIGH/PUMP 274 SX OF LEAD CEMENT @ 12.5 PPG | |
| 16:16 | 203 | 0 | 4.8 | 50 | CMT | PUMP 197 SX OF TAIL CEMENT @ 13.5 PPG | |
| 17:30 | 0 | 0 | 0 | 0 | N/A | SHUT DOWN/ DROP PLUG | |
| 17:37 | 1737 | 0 | 1120 | 90 | MUD | DISPLACEMENT | |
| 17:51 | 910 | 0 | 6 | 110 | MUD | SLOW RATE | |
| 18:10 | 1021 | 0 | 4.8 | 30 | MUD | SLOW RATE | |
| 18:18 | 989 | 0 | 2.4 | 20 | MUD | SLOW RATE | |
| 18:27 | 1582 | 0 | 0 | 0 | MUD | BUMP PLUG | |
| 18:29 | 0 | 0 | 0 | 0 | N/A | CHECK FLOATS/ FLOATS HELD | |
| 18:33 | 1569 | 0 | 1.4 | 1.5 | H2O | CASING TEST | |
| 18:49 | 0 | 0 | 0 | 0 | N/A | BLEED OFF | |
| 19:01 | 0 | 0 | 0 | 0 | N/A | RIG DOWN SAFETY MEETING | |

| | | | | | | | |
|---|-------------------------------|--|--------------------------------------|--------------------------------|----------------------------|--|-------------------------------|
| BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N | PSI TO BUMP PLUG 989 | TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 0 | TOTAL BBL. PUMPED 434 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input type="checkbox"/> | Service Supervisor Signature: |
|---|-------------------------------|--|--------------------------------------|--------------------------------|----------------------------|--|-------------------------------|