

CEMENT JOB REPORT



| | | | | | | | | | | | | | |
|---|----------------------------------|---|-----------------------------------|---|--------------------------------------|---|-------------------------|---|-------------------------|-------------------|------------------|--------------|-------------|
| CUSTOMER WHITING OIL & GAS CORP XM | | DATE 12-FEB-15 | F.R. # 10011138938 | | SERV. SUPV. Anthony J Staples | | | | | | | | |
| LEASE & WELL NAME RAZOR #11G-1409A - API 05123387280000 | | LOCATION 11-10N-58W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # Xtreme 18 | | TYPE OF JOB Intermediate | | | | | | | | | |
| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE | MECHANICAL BARRIERS | MD | TVD | HANGER TYPES | MD TVD | | | | | | | |
| 7" Top Cem Plug, Nitrile cvr, Phen | Float Shoe 7 - 8rd | | | | | | | | | | | | |
| | Float Collar, Auto Fill, 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 | | | | |
| Ultra Flush II Spacer | | | 0 | 10.5 | 0 | 0 | | 20 | | | | | |
| 20:80 (POZ:TYPE III) + Addis | | | 381 | 12.5 | 2.21 | 12.06 | 04:15 | 150.07 | 109.37 | | | | |
| MUD | | | 0 | 9.9 | 0 | 0 | | 231.1 | | | | | |
| 50:50 (POZ:CLASS G) + Addis | | | 170 | 13.8 | 1.72 | 7.94 | 07:28 | 52.18 | 32.12 | | | | |
| Fresh Water | | | 0 | 8.34 | 0 | 0 | | 10 | | | | | |
| Available Mix Water 300 Bbl. | | Available Displ. Fluid 300 Bbl. | TOTAL | | 463.35 | | 141.49 | | | | | | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | |
| 8.75 | 20 | 6281 | 6.184 | 7 | 29 | CSG | 6271 | 5888 | | 6271 | 6227 | 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 | 1859 | 1859 | No Packer | | 0 | 0 | 7 | 8RND | WATER BASED | 9.9 |
| 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 | | | |
| 231.1 | BBLS | MUD | 9.9 | 895 | 0 | 0 | 0 | 0 | 8960 | 3000 | Frac Tank | | |
| Circulation Prior to Job | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | | | Circulation Time: 1 | | | Circulation Rate: 3 BPM | | | | |
| Mud Density In: 9.9 LBS/GAL Mud Density Out: 9.9 LBS/GAL | | | | | | PV & YP Mud In: 13 | | | PV & YP Mud Out: 13 | | | | |
| 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 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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | | | | |
| Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | | | Quantity: 33 | | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID | | | | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" 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: 2025 PSI With 9.9 LBS/GAL Mud | | | | | | Time Held: 00 Hours 25 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 | 3820 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 18:19 | 0 | 0 | 0 | 0 | N/A | Leave Yard | |
| 21:00 | 0 | 0 | 0 | 0 | N/A | Arrive on Location 123 Miles Rig Running Casing | |
| 21:10 | 0 | 0 | 0 | 0 | N/A | Spot Trucks | |
| 21:15 | 0 | 0 | 0 | 0 | N/A | Pre-Rig Up Safety Meeting | |
| 00:50 | 0 | 0 | 0 | 0 | N/A | Pre-Job Safety Meeting | |
| 01:23 | 0 | 0 | 1.5 | 2 | H2O | Load Lines | |
| 01:25 | 3820 | 0 | 0 | 0 | H2O | Pressure Test | |
| 01:30 | 225 | 0 | 5 | 20 | H2O | Ultra Flush II Spacer | |
| 01:34 | 215 | 0 | 4.7 | 10 | H2O | Fresh Water Spacer | |
| 01:39 | 139 | 0 | 4.5 | 150 | CMT | Batch, Weigh, and Pump 12.5# 20):80:Poz(Fly Ash): Type III + .3% R-3 + .25 lbs/sk Cello Flake + .2% CD-32 + 15 lbs/sk CSE-2 + .6% FL-57, 50lb | |
| 02:19 | 142 | 0 | 4.5 | 51 | CMT | Batch, Pump 13.8# 50):50:Poz (Fly Ash): Class G + .25 lbs/sk Cello Flake + .2% ASA-301 + 20% Silica Flour + .6% FL-66 + 10 lbs/sk CSE-2 | |
| 02:30 | 0 | 0 | 0 | 0 | H2O | Shut Down Wash Up | |
| 02:37 | 0 | 0 | 0 | 0 | H2O | Release Plug | |
| 02:37 | 995 | 0 | 6 | 100 | MUD | Displacement | |
| 02:56 | 1130 | 0 | 5.4 | 100 | MUD | Rate Change | |
| 03:16 | 1140 | 0 | 3 | 31 | MUD | Rate Change | |
| 03:26 | 1687 | 0 | 0 | 0 | MUD | Bump Plug @ 331Bbls away, 31Bbls CMT to Surface | |
| 03:28 | 0 | 0 | 0 | 0 | H2O | Check Floats got 1.5Bbls Back | |
| 03:30 | 2025 | 0 | 0 | 0 | H2O | Casing Test | |
| 03:55 | 2229 | 0 | 0 | 0 | H2O | Bleed Off From Casing Test | |
| 04:00 | 0 | 0 | 0 | 0 | N/A | Pre-Rig Down Safety Meeting | |
| BUMPED PLUG <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | PSI TO BUMP PLUG 1140 | TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 32 | TOTAL BBL. PUMPED 462 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input type="checkbox"/> N | Service Supervisor Signature: |

