

CEMENT JOB REPORT



| | | | | | | | |
|---|----------------------------------|---|---------------------------|---|-------------------------------------|--|------------------------------|
| CUSTOMER WHITING OIL & GAS CORP XM | | DATE 13-JUL-15 | F.R. # 10011165679 | | SERV. SUPV. JOHN R WUDARCZYK | | |
| LEASE & WELL NAME RAZOR FED #30K-3106 - API 05123402130000 | | LOCATION NESW S30-10N-58W | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # UNIT 406 | | 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 | | | | | | |
| | Float Collar, Pop Valve, 7 - 8rd | | | | | | |
| PHYSICAL SLURRY PROPERTIES | | | | | | | |
| MATERIALS FURNISHED BY BJ | LAB REPORT NO. | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | WATER GPS | PUMP TIME HR:MIN | |
| Ultra Flush II Spacer | | 0 | 10.5 | 0 | 0 | 00:00 | |
| 20:80 (POZ:TYPE III) + Addis | | 366 | 12.5 | 2.21 | 12.06 | 144.00 | |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 238 | |
| 50:50 (POZ:CLASS G) + Addis | | 236 | 13.8 | 1.47 | 6.79 | 61.76 | |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 20 | |
| Available Mix Water 500 Bbl. | | Available Displ. Fluid 500 Bbl. | | TOTAL | | 483.76 143.27 | |
| HOLE | | TBG-CSG-D.P. | | | COLLAR DEPTHS | | |
| SIZE | % EXCESS | DEPTH | ID OD | WGT. | TYPE | MD TVD | GRADE |
| 8.75 | 20 | 6465 | 6.184 7 | 29 | CSG | 6450 6015 | P-110 |
| | | | | | | | 6450 6408 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | |
| ID OD WGT | TYPE | MD TVD | BRAND & TYPE | DEPTH | TOP BTM | SIZE THREAD | WELL FLUID |
| 8.9 9.63 36 | CSG | 1614 1614 | NO PACKER | 0 | 0 | 7 8RND | WATER BASED |
| DISPL. VOLUME | | DISPL. FLUID | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | MAX CSG PSI |
| VOLUME UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED Operator | RATED Operator |
| 238 BBLS | Fresh Water | 8.34 | 1013 | 0 | 0 | 0 8976 | 3000 rig |
| Circulation Prior to Job | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 1 | | | |
| Mud Density In: 9.9 LBS/GAL Mud Density Out: 9.9 LBS/GAL | | | | PV & YP Mud In: 10 | | | |
| 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: 2 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: 30 | | Type: <input checked="" 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 | | | |
| 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 checked="" 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: 1500 PSI With 8.34 LBS/GAL Mud | | | | Time Held: 00 Hours 30 Minutes | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE | | | | | | | |

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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 | 4309 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 16:00 | 0 | 0 | 0 | 0 | 0 | ARRIVE ON LOCATION (105 MILES) | |
| 16:15 | 0 | 0 | 0 | 0 | 0 | SPOT TRUCKS | |
| 16:25 | 0 | 0 | 0 | 0 | 0 | PRE RIG UP SAFETY MEETING | |
| 18:30 | 0 | 0 | 0 | 0 | 0 | PRE JOB MEETING | |
| 19:02 | 200 | 0 | 1 | 2 | H2O | LOAD LINES | |
| 19:06 | 4309 | 0 | 0 | 0 | H2O | PRESSURE TEST PUMPS AND LINES | |
| 19:12 | 498 | 0 | 5 | 20 | UF | WEIGHTED SPACER @ 10.5# | |
| 19:18 | 520 | 0 | 5 | 20 | H2O | FRESH WATER W/DYE | |
| 19:25 | 606 | 0 | 5.1 | 141 | LEAD | PUMP LEAD SLURRY @ 12.5# | |
| 19:53 | 346 | 0 | 5.2 | 61 | TAIL | PUMP TAIL SLURRY @ 13.8# | |
| 20:15 | 0 | 0 | 0 | 0 | H2O | DROP PLUG | |
| 20:16 | 896 | 0 | 7.3 | 100 | MUD | START DISPLACEMENT | |
| 20:33 | 1100 | 0 | 5.5 | 40 | MUD | SLOW RATE | |
| 20:45 | 1760 | 0 | 3.5 | 98 | MUD | SLOW RATE | |
| 21:15 | 2397 | 0 | 0 | 0 | H2O | BUMP PLUG @ 238 BBLs | |
| 21:18 | 0 | 0 | 0 | 0 | H2O | CHECK FLOATS (2 BBL BACK) | |
| 21:22 | 1629 | 0 | 1 | 1 | H2O | START CASING TEST | |
| 21:52 | 0 | 0 | 0 | 0 | H2O | BLEED OFF CASING TEST | |
| 22:00 | 0 | 0 | 0 | 0 | 0 | POST JOB 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 | 2397 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 38 | 480 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |



C156

