

CEMENT JOB REPORT



| | | | | | | | | | | | | | | | |
|---|-----------------|---|--------------------------------------|---|---------------------|---|--------------------|---|-----------------------|---|---------------------|-------------------------|-------------------|----------------------|--------|
| CUSTOMER WHITING OIL & GAS CORP XM | | | | DATE 09-APR-14 | | F.R. # 10011059304 | | | | SERV. SUPV. ERIC S DEWIT | | | | | |
| LEASE & WELL NAME RAZOR FEDERAL #26L-2302B - API 0512338339000 | | | | | | LOCATION 26-10N-58W | | | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | |
| DISTRICT Brighton | | | | | | DRILLING CONTRACTOR RIG # CADE 23 | | | | TYPE OF JOB Liner | | | | | |
| SIZE & TYPE OF PLUGS | | | LIST-CSG-HARDWARE | | | MECHANICAL BARRIERS | | | MD | TVD | HANGER TYPES | | MD | TVD | |
| Dart For Plug Catcher, 4-1/2 In | | | Centralizer, with Pins, 4-1/2 in | | | | | | | | Liner | | 4905 | 4905 | |
| | | | Float Collar, Auto Fill, 4-1/2 - 8rd | | | | | | | | | | | | |
| | | | Float Shoe 4-1/2 - 8rd | | | | | | | | | | | | |
| 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 | |
| 50:50 + Adds | | | | | | C0403914 | | 724 | 14.5 | 1.21 | 5.26 | 07:02 | 156.50 | 90.76 | |
| Fresh Water | | | | | | | | 0 | 8.34 | 0 | 0 | 00:00 | 193.62 | | |
| Ultraflush II | | | | | | | | 0 | 12 | 3.77 | 24.34 | 00:00 | 20 | 17.26 | |
| Fresh Water | | | | | | | | 0 | 8.34 | 0 | 0 | 00:00 | 10 | | |
| KCL Water | | | | | | | | 0 | 8.34 | 0 | 0 | 00:00 | 168 | | |
| Available Mix Water 400 Bbl. | | | | | | Available Displ. Fluid 400 Bbl. | | | | | | TOTAL | | 548.12 | 108.02 |
| HOLE | | | TBG-CSG-D.P. | | | | | | | COLLAR DEPTHS | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | | | |
| 6 | 15 | 13844 | 4 | 4.5 | 11.6 | CSG | 11504 | 5653 | N-80 | 13830 | 13738 | 0 | | | |
| | | | 3.34 | 4 | 14 | DP | 31 | 31 | X-95 | | | | | | |
| | | | 2.563 | 4 | 28.9 | DP | 4451 | 4451 | X-95 | | | | | | |
| | | | 2.25 | 4.75 | | DP | 4906 | 4906 | | | | | | | |
| 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. | |
| 6.2 | 7 | 29 | CSG | 5999 | 5653 | Liner | | 4905 | 0 | 0 | 2 | 1502 | WATER BASED | 11 | |
| 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 | | | | | |
| 168.0 | BBLS | Fresh Water | 8.34 | 1052 | 0 | 0 | 0 | 0 | 6224 | 2500 | | | | | |
| | | KCL Water | 8.34 | | | | | | | | | | | | |
| 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: 11 LBS/GAL Mud Density Out: 11 LBS/GAL | | | | | | | | PV & YP Mud In: 15 | | | | PV & YP Mud Out: 15 | | | |
| 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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | | | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | | | | | Quantity: 45 | | 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 checked="" 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 | | | | | | | | | |
| None | | | | | | | | | | | | | | | |

CEMENT JOB REPORT



Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

| 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 4127 PSI | | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | |
| 20:49 | 0 | 0 | 0 | 0 | N/A | Leave yard | | |
| 23:55 | 0 | 0 | 0 | 0 | N/A | Arrive on location (111 Miles) Rig running 4.5 casing 4-13-14 | | |
| 10:10 | 0 | 0 | 0 | 0 | N/A | Spot trucks, rig done running casing 4-14-14 | | |
| 10:25 | 0 | 0 | 0 | 0 | N/A | Pre rig up safety meeting | | |
| 17:20 | 0 | 0 | 0 | 0 | N/A | Pre job safety meeting | | |
| 17:42 | 72 | 0 | .9 | 1 | H2O | Load pumps and lines | | |
| 17:45 | 4127 | 0 | 0 | 0 | H2O | Pressure test pumps and lines | | |
| 17:51 | 1072 | 0 | 4 | 10 | H2O | Fresh water spacer | | |
| 17:58 | 975 | 0 | 3.8 | 20 | H2O | Batch, weigh, and pump ultra flush spacer @12 ppg | | |
| 18:08 | 1071 | 0 | 4 | | CMT | Batch, weigh, and pump cement @14.5 ppg | | |
| 18:56 | 0 | 0 | 0 | 0 | N/A | Release Dart | | |
| 19:10 | 536 | 0 | 3.6 | 20 | H2O | Displace first 20 with sugar water | | |
| 19:15 | 556 | 0 | 2.7 | 11 | KCL | Drop rate to pick up wiper plug | | |
| 19:22 | 1400 | 0 | 2.7 | 0 | KCL | Pick up plug | | |
| 19:23 | 1682 | 0 | 4.6 | 120 | KCL | Finish displacement | | |
| 19:51 | 1367 | 0 | 3.4 | 10 | KCL | Drop rate | | |
| 19:54 | 1103 | 0 | 2.3 | 7 | KCL | Bump plug | | |
| 20:00 | 0 | 0 | 0 | 0 | KCL | Check floats, Floats held | | |
| 20:12 | 0 | 1566 | 0 | 0 | H2O | Test backside | | |
| 20:30 | 1106 | 0 | 4.8 | 140 | KCL | Roll the 7" clean | | |
| 21:00 | 0 | 0 | 0 | 0 | N/A | Shut down | | |
| 21:03 | 0 | 0 | 0 | 0 | N/A | Pre rig down safety meeting | | |
| 22:15 | 0 | 0 | 0 | 0 | N/A | Leave location | | |
| 02:00 | 0 | 0 | 0 | 0 | N/A | Arrive back at the yard | | |

| 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 | 1103 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 0 | 492 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |

