

# CEMENT JOB REPORT



|                                                                                                                                                                                         |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------|----------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|----------------------|-------------------------|-------------------|----------------------------------|------------------------------------|-------------|
| <b>CUSTOMER</b> WHITING OIL & GAS CORP XM                                                                                                                                               |                 |                                      | <b>DATE</b> 11-JUL-15                        |                                                                                                      | <b>F.R. #</b> 10011165301  |                                             |                       | <b>SERV. SUPV.</b> STEPHEN J CARDOS                                                                       |                      |                         |                   |                                  |                                    |             |
| <b>LEASE &amp; WELL NAME</b><br>RAZOR FED #30K-3106 - API 05123402130000                                                                                                                |                 |                                      | <b>LOCATION</b><br>NESW S30-10N-58W          |                                                                                                      |                            | <b>COUNTY-PARISH-BLOCK</b><br>Weld Colorado |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| <b>DISTRICT</b><br>Brighton                                                                                                                                                             |                 |                                      | <b>DRILLING CONTRACTOR RIG #</b><br>UNIT 406 |                                                                                                      |                            | <b>TYPE OF JOB</b><br>Surface               |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| <b>SIZE &amp; TYPE OF PLUGS</b>                                                                                                                                                         |                 | <b>LIST-CSG-HARDWARE</b>             |                                              |                                                                                                      | <b>MECHANICAL BARRIERS</b> |                                             | <b>MD</b>             | <b>TVD</b>                                                                                                | <b>HANGER TYPES</b>  |                         | <b>MD</b>         | <b>TVD</b>                       |                                    |             |
| 9-5/8" Top Cem Plug, Nitrile cvr, Phe                                                                                                                                                   |                 | Cement Basket, Slip On, 9-5/8 in     |                                              |                                                                                                      | N/A                        |                                             | 0                     | 0                                                                                                         | N/A                  |                         | 0                 | 0                                |                                    |             |
|                                                                                                                                                                                         |                 | Centralizer, with Pins, 9-5/8 in     |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
|                                                                                                                                                                                         |                 | Float Collar, Auto Fill, 9-5/8 - 8rd |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
|                                                                                                                                                                                         |                 | Float Shoe 9-5/8 - 8rd               |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| <b>MATERIALS FURNISHED BY BJ</b>                                                                                                                                                        |                 |                                      |                                              | <b>LAB REPORT NO.</b>                                                                                |                            | <b>PHYSICAL SLURRY PROPERTIES</b>           |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
|                                                                                                                                                                                         |                 |                                      |                                              |                                                                                                      |                            | <b>SACKS OF CEMENT</b>                      | <b>SLURRY WGT PPG</b> | <b>SLURRY YLD FT<sup>3</sup></b>                                                                          | <b>WATER GPS</b>     | <b>PUMP TIME HR:MIN</b> | <b>Bbl SLURRY</b> | <b>Bbl MIX WATER</b>             |                                    |             |
| Fresh Water                                                                                                                                                                             |                 |                                      |                                              | N/A                                                                                                  |                            | 0                                           | 8.34                  | 0                                                                                                         | 0                    | 00:00                   | 15                |                                  |                                    |             |
| Type III Cement + Adds                                                                                                                                                                  |                 |                                      |                                              | C0701515                                                                                             |                            | 697                                         | 14.5                  | 1.40                                                                                                      | 6.81                 | 07:11                   | 174.01            | 112.97                           |                                    |             |
| Fresh Water                                                                                                                                                                             |                 |                                      |                                              | N/A                                                                                                  |                            | 0                                           | 8.34                  | 0                                                                                                         | 0                    | 00:00                   | 116.74            |                                  |                                    |             |
| Available Mix Water 400 Bbl.                                                                                                                                                            |                 |                                      | Available Displ. Fluid 400 Bbl.              |                                                                                                      |                            | <b>TOTAL</b>                                |                       |                                                                                                           | 305.75 112.97        |                         |                   |                                  |                                    |             |
| <b>HOLE</b>                                                                                                                                                                             |                 |                                      | <b>TBG-CSG-D.P.</b>                          |                                                                                                      |                            |                                             |                       |                                                                                                           | <b>COLLAR DEPTHS</b> |                         |                   |                                  |                                    |             |
| <b>SIZE</b>                                                                                                                                                                             | <b>% EXCESS</b> | <b>DEPTH</b>                         | <b>ID</b>                                    | <b>OD</b>                                                                                            | <b>WGT.</b>                | <b>TYPE</b>                                 | <b>MD</b>             | <b>TVD</b>                                                                                                | <b>GRADE</b>         | <b>SHOE</b>             | <b>FLOAT</b>      | <b>STAGE</b>                     |                                    |             |
| 13.5                                                                                                                                                                                    | 25              | 1630                                 | 8.921                                        | 9.625                                                                                                | 36                         | CSG                                         | 1614                  | 1614                                                                                                      | J-55                 | 1614                    | 1567              | 0                                |                                    |             |
| <b>LAST CASING</b>                                                                                                                                                                      |                 |                                      | <b>PKR-CMT RET-BR PL-LINER</b>               |                                                                                                      |                            | <b>PERF. DEPTH</b>                          |                       |                                                                                                           | <b>TOP CONN</b>      |                         | <b>WELL FLUID</b> |                                  |                                    |             |
| <b>ID</b>                                                                                                                                                                               | <b>OD</b>       | <b>WGT</b>                           | <b>TYPE</b>                                  | <b>MD</b>                                                                                            | <b>TVD</b>                 | <b>BRAND &amp; TYPE</b>                     |                       | <b>DEPTH</b>                                                                                              | <b>TOP</b>           | <b>BTM</b>              | <b>SIZE</b>       | <b>THREAD</b>                    | <b>TYPE</b>                        | <b>WGT.</b> |
| 15.                                                                                                                                                                                     | 16              | 65                                   | CSG                                          | 80                                                                                                   | 80                         | NO PACKER                                   |                       | 0                                                                                                         | 0                    | 0                       | 9.625             | 8RND                             | WATER BASED                        | 8.4         |
| <b>DISPL. VOLUME</b>                                                                                                                                                                    |                 | <b>DISPL. FLUID</b>                  |                                              | <b>CAL. PSI</b>                                                                                      | <b>CAL. MAX PSI</b>        | <b>OP. MAX</b>                              | <b>MAX TBG PSI</b>    |                                                                                                           | <b>MAX CSG PSI</b>   |                         | <b>MIX WATER</b>  |                                  |                                    |             |
| <b>VOLUME</b>                                                                                                                                                                           | <b>UOM</b>      | <b>TYPE</b>                          |                                              | <b>WGT.</b>                                                                                          | <b>BUMP PLUG</b>           | <b>TO REV.</b>                              | <b>SQ. PSI</b>        | <b>RATED</b>                                                                                              | <b>Operator</b>      | <b>RATED</b>            | <b>Operator</b>   |                                  |                                    |             |
| 123                                                                                                                                                                                     | BBLS            | Fresh Water                          |                                              | 8.34                                                                                                 | 479                        | 0                                           | 0                     | 0                                                                                                         | 0                    | 3520                    | 2500              | RIG TANK                         |                                    |             |
| <b>Circulation Prior to Job</b>                                                                                                                                                         |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>                                                                                                    |                 |                                      |                                              | Circulation Time: 1                                                                                  |                            |                                             |                       | Circulation Rate: 6 BPM                                                                                   |                      |                         |                   |                                  |                                    |             |
| Mud Density In: 8.4 LBS/GAL                                                                                                                                                             |                 |                                      |                                              | Mud Density Out: 8.4 LBS/GAL                                                                         |                            |                                             |                       | PV & YP Mud In: 9                                                                                         |                      | PV & YP Mud Out: 9      |                   |                                  |                                    |             |
| 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"/> |                      |                         |                   |                                  |                                    |             |
| <b>Displacement And Mud Removal</b>                                                                                                                                                     |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>                                                                                                       |                 |                                      |                                              | Amount Bled Back After Job: 1 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"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE     |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES                                                                                                       |                 |                                      |                                              | Quantity: 13                                                                                         |                            |                                             |                       | 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 |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| <b>Plugs</b>                                                                                                                                                                            |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| 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                                                                                      |                      |                         |                   |                                  |                                    |             |
| <b>Squeezes (Update Original Treatment Report for Primary Job)</b>                                                                                                                      |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| 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 |                   |                                  |                                    |             |
| <b>Casing Test (Update Original Treatment Report for Primary Job)</b>                                                                                                                   |                 |                                      |                                              |                                                                                                      |                            |                                             |                       |                                                                                                           |                      |                         |                   |                                  |                                    |             |
| Casing Test Pressure: 0 PSI                                                                                                                                                             |                 |                                      |                                              | With 0 LBS/GAL Mud                                                                                   |                            |                                             |                       | Time Held: 00 Hours 00 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<br>HR:MIN.                                                  | PRESSURE - PSI                  |                                                                  | RATE<br>BPM                              | Bbl. FLUID<br>PUMPED             | FLUID<br>TYPE                  | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> |                                      |
|                                                                  | PIPE                            | ANNULUS                                                          |                                          |                                  |                                | TEST LINES                                                                                               | 4138 PSI                             |
|                                                                  |                                 |                                                                  |                                          |                                  |                                | CIRCULATING WELL - RIG <input checked="" type="checkbox"/>                                               | BJ <input type="checkbox"/>          |
| 06:30                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | LEAVE YARD                                                                                               |                                      |
| 08:45                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | ARRIVE ON LOCATION(STILL RUNNING CASING)                                                                 |                                      |
| 09:00                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | SPOT TRUCKS                                                                                              |                                      |
| 09:10                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | PRE RIG UP SAFETY MEETING                                                                                |                                      |
| 09:15                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | RIG UP(CASING CREW FINISHED 10:30)                                                                       |                                      |
| 11:00                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | SAFETY MEETING                                                                                           |                                      |
| 11:10                                                            | 0                               | 0                                                                | 0                                        | 0                                | N/A                            | FINISHED RIGGING UP                                                                                      |                                      |
| 11:15                                                            | 4389                            | 0                                                                | 0                                        | 0                                | H2O                            | LOAD LINES &PRESSURE TEST                                                                                |                                      |
| 11:30                                                            | 46                              | 0                                                                | 4.2                                      | 13                               | H2O                            | FRESH WATER SPACER(DYE)                                                                                  |                                      |
| 11:41                                                            | 0                               | 0                                                                | 0                                        | 0                                | H2O                            | SHUT DOWN CHANGED CHIC & PRESSURE TEST 4138                                                              |                                      |
| 11:43                                                            | 46                              | 0                                                                | 4.2                                      | 2                                | H2O                            | FRESH WATER SPACER                                                                                       |                                      |
| 11:45                                                            | 297                             | 0                                                                | 4.8                                      | 163                              | CMT                            | BATCH/WEIGH/PUMP 14.5 LB CEMENT                                                                          |                                      |
| 12:47                                                            | 0                               | 0                                                                | 0                                        | 0                                | H2O                            | DOWN/DROP PLUG                                                                                           |                                      |
| 12:50                                                            | 523                             | 0                                                                | 6.1                                      | 60                               | H2O                            | DISPLACEMENT                                                                                             |                                      |
| 13:04                                                            | 543                             | 0                                                                | 3.6                                      | 110                              | H2O                            | DROP RATE                                                                                                |                                      |
| 13:10                                                            | 799                             | 0                                                                | 2.4                                      | 123                              | H2O                            | DROP RATE                                                                                                |                                      |
| 13:22                                                            | 1251                            | 0                                                                | 0                                        | 123                              | H2O                            | BUMP PLUG                                                                                                |                                      |
| 13:26                                                            | 0                               | 0                                                                | 0                                        | 0                                | H2O                            | TEST FLOATS                                                                                              |                                      |
| 13:28                                                            | 0                               | 0                                                                | 0                                        | 0                                | H2O                            | BLEED OF PRESSURE / JOB DONE                                                                             |                                      |
| <b>BUMPED<br/>PLUG</b>                                           | <b>PSI TO<br/>BUMP<br/>PLUG</b> | <b>TEST<br/>FLOAT<br/>EQUIP.</b>                                 | <b>BBL.CMT<br/>RETURNS/<br/>REVERSED</b> | <b>TOTAL<br/>BBL.<br/>PUMPED</b> | <b>PSI<br/>LEFT ON<br/>CSG</b> | <b>SPOT<br/>TOP OUT<br/>CEMENT</b>                                                                       | <b>Service Supervisor Signature:</b> |
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 1251                            | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 46                                       | 301                              | 0                              | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N                                         |                                      |

