

CEMENT JOB REPORT



| | | | | | | | | | | | | | |
|---|-----------------|---|--------------------------------|--|---------------------|---|--------------------|---|---|----------------------------------|-------------------|-------------------------|-------------------|
| CUSTOMER BAYSWATER EXPLORATION & | | | | DATE 20-JUL-15 | | F.R. # 10011166857 | | SERV. SUPV. JASON L SJOBERG | | | | | |
| LEASE & WELL NAME CARLSON #H-15-16HC - API 05123417170000 | | | | LOCATION 15-5N-65W | | | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | |
| DISTRICT Brighton | | | | DRILLING CONTRACTOR RIG # FRONTIER 8 | | | | 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 | | Guide Shoe, Cement Nose, 7 in | | | | | | | | | | | |
| | | 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 |
| FRESH WATER | | | | | | | | 8.34 | | | | 20 | |
| MUD CLEAN I | | | | | | | | 8.5 | | | | 20 | |
| FRESH WATER + Dye | | | | | | | | 8.34 | | | | 20 | |
| PLHS + ADDITIVES | | | | 425 | | | | 12 | | | | 2.42 | |
| 50:50 Class G/Poz + Adds | | | | 225 | | | | 14.4 | | | | 1.22 | |
| Fresh Water | | | | | | | | 8.34 | | | | 273 | |
| Available Mix Water 300 Bbl. | | | | Available Displ. Fluid 300 Bbl. | | | | TOTAL | | | | 565.06 166.35 | |
| HOLE | | | TBG-CSG-D.P. | | | | | | | COLLAR DEPTHS | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | |
| 8.75 | 25 | 7417 | 6.184 | 7 | 29 | CSG | 7394 | | P-110 | 7394 | 7348 | 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 | 839 | 839 | No Packer | 0 | 0 | 0 | 7 | BUTT | WATER BASED | 10.3 |
| 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 | | | |
| 273 | BBLS | Fresh Water | 8.34 | 1515 | 0 | 0 | 0 | 0 | 0 | 8976 | 3000 | Frac tank | |
| Circulation Prior to Job | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | | | Circulation Time: 1 | | | Circulation Rate: 4 BPM | | | | |
| Mud Density In: 10.3 LBS/G Mud Density Out: 10.3 LBS/GAL | | | | | | PV & YP Mud In: | | | PV & YP Mud Out: | | | | |
| 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 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: 59 | | | 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: 0 PSI With 0 LBS/GAL Mud | | | | | | Time Held: 00 Hours 00 Minutes | | | | | | | |

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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 4150 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 15:30 | 0 | 0 | 0 | 0 | N/A | Yard call | |
| 19:00 | 0 | 0 | 0 | 0 | N/A | Leave yard | |
| 21:45 | 0 | 0 | 0 | 0 | N/A | Arrive on location | |
| 22:00 | 0 | 0 | 0 | 0 | N/A | OL time, rig running casing | |
| 23:15 | 0 | 0 | 0 | 0 | N/A | Spot trucks/pre rig-up safety meeting | |
| 00:10 | 0 | 0 | 0 | 0 | N/A | Done rigging up, waiting on rig to finish circulating | |
| 00:50 | 0 | 0 | 0 | 0 | N/A | Safety meeting | |
| 01:07 | 4150 | 0 | 0 | 0 | H2O | Pressure test pump and lines | |
| 01:12 | 602 | 0 | 6.4 | 20 | H2O | Preflush fresh water | |
| 01:26 | 523 | 0 | 5.6 | 20 | H2O | Preflush mud clean I | |
| 01:30 | 0 | 0 | 0 | 0 | N/A | Problem with H2O feed, solids in rig hoses | |
| 01:45 | 611 | 0 | 5.6 | 20 | H2O | Problem hose replaced, Preflush dye water | |
| 01:50 | 840 | 0 | 6.4 | 178 | CMT | Batch, weigh, pump 425 sks 12# PLHS + .05% R-3 + .2% FL-63 + .25 lbs/sack Cello Flake + .7% FL-52 + .2% ASA-301 + .15% SMS | |
| 02:40 | 268 | 0 | 3.9 | 48 | CMT | Pump 225 sks 14.4# 50:50 Poz Class G + .2% FL-63 + .3% CD-32 + .6% FL-52 + .3% SMS + 2% Bentonite | |
| 02:58 | 0 | 0 | 0 | 0 | N/A | Drop plug | |
| 03:02 | 1296 | 0 | 6.5 | 200 | H2O | Displacement | |
| 03:35 | 1564 | 0 | 5 | 40 | H2O | Drop rate | |
| 03:43 | 1747 | 0 | 3.7 | 33 | H2O | Drop rate | |
| 03:51 | 1826 | 0 | 3.7 | 273 | H2O | Bump plug | |
| 03:55 | 2194 | 0 | 0 | 0 | N/A | Check floats | |
| 03:57 | 0 | 0 | 0 | 0 | N/A | Post job safety meeting | |
| BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N | PSI TO BUMP PLUG 1826 | TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 0 | TOTAL BBL. PUMPED 559 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | Service Supervisor Signature: |

