

CEMENT JOB REPORT



| | | | | | | | | | | | | | | |
|---|-----------------|--------------------------------------|--|----------------------------|---------------------|---|--------------------|-----------------------------------|---|----------------------------------|-------------------|-------------------------|-------------------|----------------------|
| CUSTOMER BAYSWATER EXPLORATION & | | | DATE 17-JAN-16 | | | F.R. # 10011190684 | | | SERV. SUPV. Anthony J Staples | | | | | |
| LEASE & WELL NAME HESTER FARMS #J-36HN - API 05123420030000 | | | LOCATION 31-7N-66W | | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | |
| DISTRICT Brighton | | | DRILLING CONTRACTOR RIG # Frontier 8 | | | 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 | | Float Shoe 4-1/2 - 8rd | | Liner Packer | | 6875 | 6875 | Liner | 6875 | 6875 | | | | |
| | | Float Collar, Auto Fill, 4-1/2 - 8rd | | | | | | | | | | | | |
| | | Centralizer, with Pins, 4-1/2 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 |
| Fresh Water | | | | | | | | 0 | 8.34 | 0 | 0 | | 20 | |
| (50:50) Class G:Poz + Adds | | | | C01-024-16 | | | | 390 | 14.5 | 1.44 | 6.18 | 05:27 | 100.02 | 57.56 |
| Fresh Water + Alpha 1427 + ClayCare | | | | | | | | 0 | 8.34 | 0 | 0 | | 151.64 | |
| Ultraflush II | | | | | | | | 0 | 10.5 | 0 | 0 | | 40 | |
| Available Mix Water 300 Bbl. | | | Available Displ. Fluid 300 Bbl. | | | TOTAL | | | | | 311.66 | 57.56 | | |
| HOLE | | | TBG-CSG-D.P. | | | | | | COLLAR DEPTHS | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | | |
| 6.125 | 15 | 11906 | 4 | 4.5 | 11.6 | CSG | 11906 | 7070 | | 11906 | 11896 | 1 | | |
| | | | 3.34 | 4 | 14 | DP | 4098 | 4098 | | | | | | |
| | | | 2.653 | 4 | | DP | 2754 | 2754 | | | | | | |
| 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. |
| 6.3 | 7 | 26 | CSG | 7616 | 7616 | Liner | | 6879 | 0 | 0 | 2 | 1502 | WATER BASED | 9.6 |
| 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 | | | |
| 141.3 | BBLS | Fresh Water + Alpha | | 8.34 | 698 | 0 | 0 | 0 | 0 | 8552 | 4000 | Upright | | |
| Circulation Prior to Job | | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | Circulation Time: 2.5 | | | Circulation Rate: 4.5 BPM | | | | | | | | |
| Mud Density In: 9.6 LBS/GAL | | | Mud Density Out: 9.6 LBS/GAL | | | PV & YP Mud In: 11 | | | PV & YP Mud Out: 11 | | | | | |
| 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: .25 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | Quantity: | | | 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: 2566 PSI | | | With 8.34 LBS/GAL Mud | | | Time Held: 00 Hours 05 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 | 5477 PSI |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> | BJ <input type="checkbox"/> |
| 19:15 | 0 | 0 | 0 | 0 | N/A | Leave Yard | |
| 20:20 | 0 | 0 | 0 | 0 | N/A | Arrive on Location...49 Miles Rig Circulating | |
| 20:30 | 0 | 0 | 0 | 0 | N/A | Spot Equipment | |
| 20:45 | 0 | 0 | 0 | 0 | N/A | Pre-Rig Up Safety Meeting | |
| 21:50 | 0 | 0 | 0 | 0 | N/A | Pre-Job Safety Meeting (Weatherford and Rig Worked on Getting Liner Hung) | |
| 01:15 | 0 | 0 | 0 | 0 | N/A | Pre-Job Safety Meeting Review after waiting was decided to try and set hanger after plug is bumped | |
| 01:22 | 302 | 0 | 2 | 2 | H2O | Load Lines | |
| 01:24 | 5477 | 0 | 0 | 0 | H2O | Pressure Test | |
| 01:29 | 1482 | 0 | 5 | 20 | SPC | Fresh Water Spacer | |
| 01:38 | 1017 | 0 | 4 | 40 | SPC | 10.5# Ultra Flush II Spacer | |
| 01:50 | 1727 | 0 | 6.2 | 101 | CMT | Batch, Weigh, and Pump 390sks of 14.5# 50:50:Poz (Fly Ash) Class G + .2% R-3 + .2% FL-63 + .6% FL-52 + 20% Silica Flour + 3% Bentonite II | |
| 02:27 | 0 | 0 | 0 | 0 | H2O | Shut Down and Wash Up Pump | |
| 02:37 | 0 | 0 | 0 | 0 | H2O | Release Dart | |
| 02:37 | 1712 | 0 | 5.5 | 50 | H2O | Displace | |
| 02:47 | 1718 | 0 | 2 | 8 | H2O | Rate Change | |
| 02:50 | 1718 | 0 | 0 | 0 | H2O | Picked Up Plug...Picked Up 4 Bbls Early @ 58 Bbls | |
| 02:53 | 2291 | 0 | 5.5 | 72 | H2O | Rate Change | |
| 03:09 | 1222 | 0 | 2 | 5 | H2O | Rate Change | |
| 03:11 | 1984 | 0 | 0 | 0 | H2O | Bump Plug @ 135 Bbls away | |
| 03:12 | 0 | 0 | 0 | 0 | H2O | Set Hanger | |
| 03:15 | 2516 | 0 | 2.5 | 5 | H2O | Pumped through for a 5 Bbl Wet Shoe | |
| 03:19 | 1165 | 0 | 0 | 0 | H2O | Shut Down | |
| 03:20 | 0 | 0 | 0 | 0 | H2O | Check Floats....1/4 Bbl Back | |
| 03:22 | 0 | 0 | 0 | 0 | H2O | Stomp Packer | |
| 03:31 | 61 | 0 | 2 | 5 | H2O | Load Backside | |
| 03:40 | 0 | 2566 | 0 | 0 | H2O | Backside Test | |
| 03:45 | 0 | 2506 | 0 | 0 | H2O | Bleed Off | |
| 03:50 | 1410 | 0 | 0 | 0 | H2O | Pressure Up Drill Pipe/Sting Out | |
| 03:53 | 2097 | 0 | 7.2 | 175 | H2O | Roll 7"...(20 Bbls of CMT to Surface) | |
| 04:19 | 0 | 0 | 0 | 0 | N/A | Shut Down | |
| 04:22 | 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 1984 | TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 20 | TOTAL BBL. PUMPED 476 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input type="checkbox"/> N | Service Supervisor Signature: |
|---|--------------------------|---|---------------------------------|--------------------------|----------------------|---|---------------------------------------|



PPC 11250

