

CEMENT JOB REPORT



| | | | | | | | | | | | | | |
|--|-----------------|--------------------------------------|--------------------------------|---|-----------------------|---|----------------------|---|-------------------------|----------------------|------------------|--------------|-------------|
| CUSTOMER BAYSWATER EXPLORATION & | | DATE 24-APR-15 | | F.R. # 10011150350 | | SERV. SUPV. TRAVIS TOLMAN | | | | | | | |
| LEASE & WELL NAME SHERLEY #C-4-9HN - API 05123408980000 | | LOCATION 4-5N-65W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # | | TYPE OF JOB Liner | | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD | | | | | | |
| Dart For Plug Catcher, 4-1/2 In | | Float Collar, Auto Fill, 4-1/2 - 8rd | | Liner Packer | | | | | | | | | |
| | | Guide Shoe, Cement Nose, 4-1/2 i | | | | | | | | | | | |
| 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 | | | | | |
| UltraFlush Spacer | | | | 0 | 12 | 0 | 0 | 80 | | | | | |
| (50:50) Class G:Poz + Adds | | | | 800 | 14.5 | 1.44 | 6.19 | 205.1 | | | | | |
| Fresh Water | | | | 0 | 8.34 | 0 | 0 | 221.78 | | | | | |
| Available Mix Water 500 Bbl. | | Available Displ. Fluid 300 Bbl. | | TOTAL | | 526.88 | | 117.85 | | | | | |
| HOLE | | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | |
| 6.125 | 15 | 16941 | 3.92 | 4.5 | 13.5 | CSG | 16941 | 6885 | P-110 | 16941 | 16886 | 0 | |
| | | | 3.34 | 4 | 15.5 | DP | 3845 | 6885 | | | | | |
| | | | 2.688 | 4 | 26.8 | DP | 2654 | 6885 | | | | | |
| 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 | 7395 | 6885 | Packer | 6523 | 0 | 0 | 2 | 1502 | WATER BASED | 9.5 |
| 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 | | | |
| 215.5 | BBLS | Fresh Water | 8.34 | 1000 | 0 | 0 | 0 | 0 | 9928 | 4000 | Rig tank | | |
| Circulation Prior to Job | | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | | | Circulation Time: 5 | | | Circulation Rate: 5 BPM | | | | |
| Mud Density In: 9.5 LBS/GAL Mud Density Out: 9.5 LBS/GAL | | | | | | PV & YP Mud In: 17 | | | PV & YP Mud Out: 17 | | | | |
| 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 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 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 | | | | | |
| Casing Test (Update Original Treatment Report for Primary Job) | | | | | | | | | | | | | |
| Casing Test Pressure: 2590 PSI With 9.5 LBS/GAL Mud | | | | | | Time Held: 00 Hours 05 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)
 Did not bump plug.

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 | 6616 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 02:15 | 0 | 0 | 0 | 0 | N/A | Leave district | |
| 02:59 | 0 | 0 | 0 | 0 | N/A | Arrive on location, 33 miles, rig circulating | |
| 03:15 | 0 | 0 | 0 | 0 | N/A | Spot trucks | |
| 03:30 | 0 | 0 | 0 | 0 | N/A | Pre rig up safety meeting | |
| 07:40 | 0 | 0 | 0 | 0 | N/A | Pre job safety meeting | |
| 08:23 | 98 | 0 | .4 | 2 | H2O | Load lines | |
| 08:29 | 6616 | 0 | 0 | 0 | H2O | Pressure test pump & lines | |
| 08:35 | 2216 | 0 | 5.1 | 18 | H2O | Fresh water spacer | |
| 08:41 | 2018 | 0 | 4.7 | 78.5 | BAR | Ultra Flush spacer (16200# @ 12#) | |
| 09:05 | 2016 | 0 | 4.5 | 199 | CMT | Batch, weigh, pump cement @ 14.5# (800sks) | |
| 10:11 | 0 | 0 | 0 | 0 | N/A | Down, switch to wash up | |
| 10:26 | 0 | 0 | 0 | 0 | H2O | Drop dart | |
| 10:28 | 2037 | 0 | 4.5 | 50 | H2O | Displacement | |
| 10:40 | 971 | 0 | 2.1 | 14 | H2O | Slow rate | |
| 10:45 | 971 | 0 | 0 | 0 | H2O | Pick up plug | |
| 10:47 | 2060 | 0 | 4 | 136 | H2O | Increase rate | |
| 11:20 | 1435 | 0 | 2.1 | 15.5 | H2O | Slow rate | |
| 11:28 | 908 | 0 | 0 | 0 | H2O | Down, did not bump | |
| 11:30 | 908 | 0 | 0 | 0 | H2O | Check float, held (.75bbl back) | |
| 11:31 | 864 | 0 | .8 | .75 | H2O | Pressure up drill pipe | |
| 11:32 | 864 | 0 | .8 | .75 | H2O | Down | |
| 11:42 | 1770 | 0 | 2.8 | 1 | H2O | Try to bump per Company man, Did not | |
| 11:43 | 950 | 0 | 0 | 0 | H2O | Down | |
| 11:50 | 0 | 0 | 0 | 0 | H2O | Bleed off pressure | |
| 11:52 | 14 | 0 | 1 | 1 | H2O | Pump through backside | |
| 11:57 | 2590 | 0 | 1 | 1.5 | H2O | Backside test | |
| 12:02 | 2552 | 0 | 0 | 0 | H2O | Bleed off pressure (1.5bbls back) | |
| 12:05 | 931 | 0 | 1 | .5 | H2O | Load drill pipe | |
| 12:08 | 2105 | 0 | 6.8 | 167 | H2O | Roll 7" clean (25bbls cement to surface) | |
| 12:38 | 0 | 0 | 0 | 0 | N/A | Down, done | |
| 12:42 | 0 | 0 | 0 | 0 | N/A | 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: |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|--|-------------------------------|
| Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | 1000 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | 25 | 677 | 0 | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | |

