

CEMENT JOB REPORT



| | | | | | | | | |
|---|-----------------|---|-------------|---|-----------------------|---|--------------------|------------------------------------|
| CUSTOMER WHITING PETROLEUM CORP | | DATE 06-JAN-13 | | F.R. # 1001957452 | | SERV. SUPV. COLE W MARRIOTT | | |
| LEASE & WELL NAME RAZOR #27-3414H - API 05123361300000 | | LOCATION 27-10N-58W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # CADE 21 | | TYPE OF JOB Intermediate | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD | |
| Cement Plug, Rubber, Top 7 in | | Float Collar, Auto Fill, 7 - 8rd | | | | | | |
| | | Float Shoe/Circ Dif 7 - 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 |
| Ultra Flush II Spacer | | 0 | | 0 | 10.5 | 0 | 0 00:00 | 40 |
| (35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%C | | 0 | | 318 | 10.5 | 2.64 | 8.86 00:00 | 149.50 67.12 |
| Fresh Water | | 0 | | 0 | 8.34 | 0 | 0 00:00 | 222.08 |
| (35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%C | | 0 | | 102 | 10.5 | 3.12 | 10.49 00:00 | 56.70 25.49 |
| Available Mix Water 800 Bbl. | | Available Displ. Fluid 350 Bbl. | | TOTAL | | 468.28 92.61 | | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD |
| 8.75 | 36 | 6012 | 6.184 | 7 | 29 | CSG | 6102 | 5721 |
| | | | | | | | GRADE | SHOE |
| | | | | | | | P-110 | 6102 |
| | | | | | | | | FLOAT |
| | | | | | | | | 6056 |
| | | | | | | | | STAGE |
| | | | | | | | | 0 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | | WELL FLUID |
| ID | OD | WGT | TYPE | MD | TVD | BRAND & TYPE | DEPTH | TOP |
| 8.9 | 9.63 | 36 | CSG | 1500 | 1500 | No packer | 0 | 0 |
| | | | | | | | BTM | SIZE |
| | | | | | | | 0 | 7 |
| | | | | | | | | THREAD |
| | | | | | | | | 8RD |
| | | | | | | | | WATER BASED |
| | | | | | | | | 9.5 |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | MAX CSG PSI |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED | Operator |
| 231.7 | BBLS | Fresh Water | 8.34 | 282 | 0 | 0 | 0 | 0 |
| | | | | | | | | Operator |
| | | | | | | | | 7168 |
| | | | | | | | | 3000 |
| | | | | | | | | Rig |
| Circulation Prior to Job | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 1 | | Circulation Rate: 6 BPM | | |
| Mud Density In: 9.5 LBS/GAL Mud Density Out: 9.5 LBS/GAL | | | | PV & YP Mud In: 0 | | PV & YP Mud Out: 0 | | |
| 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: 2.1 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: 10 | | 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 | | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None | | | | | | | | |
| PRESSURE/RATE DETAIL | | | | EXPLANATION | | | | |

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 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 | 3949 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 05:02 | 0 | 0 | 0 | 0 | N/A | Arrive on location 104 miles | |
| 05:05 | 0 | 0 | 0 | 0 | N/A | Spot trucks rig circulating waiting on bulk trucks | |
| 05:15 | 0 | 0 | 0 | 0 | N/A | Pre rig up safety meeting | |
| 10:40 | 0 | 0 | 0 | 0 | N/A | Pre job safety meeting | |
| 11:03 | 3949 | 0 | 0 | 0 | H2O | Pressure test | |
| 11:09 | 644 | 0 | 7.2 | 40 | H2O | Ultra flush II | |
| 11:25 | 991 | 0 | 7 | 152 | CMT | Batch up weigh and pump 318 sxs of (35:65) Poz (Fly Ash) : Class G Cement + 0.06lbs/sack Static Free + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% Sodium Metasilicate + 5% CSE-2 | |
| 11:56 | 545 | 0 | 5.8 | 59 | CMT | Batch up weigh and pump 102 of (35:65) Poz (Fly Ash) : Class G Cement + 0.06lbs/sack Static Free + 0.1% R-3 + 54.44% LW-6 + 1.2% FL-25 + 0.5% Sodium Metasilicate + 20% Silica Sand, 100 Mesh Sacked + 5% CSE-2 | |
| 12:08 | 0 | 0 | 0 | 0 | N/A | Drop plug | |
| 12:11 | 991 | 0 | 6 | 200 | MUD | Displacement | |
| 12:48 | 1041 | 0 | 4.8 | 20 | MUD | Slow rate | |
| 12:52 | 992 | 0 | 3.6 | 11 | MUD | Bump plug | |
| 12:54 | 2404 | 0 | 0 | 0 | N/A | Plug down | |
| 12:57 | 1586 | 0 | 2.8 | 2 | MUD | Casing test | |
| 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 | 992 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 18 | 484 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |