

CEMENT JOB REPORT



| | | | | | | | | | | | | | |
|---|----------|--------------------------------------|-------------------------|--|----------------|----------------------------|-------------|---|--------------------------------|-------------------------|---------------------|----------------------------------|------------------------------------|
| CUSTOMER WHITING PETROLEUM CORP | | DATE 02-MAY-13 | F.R. # 1001984604 | SERV. SUPV. CALEB C KINGSLEY | | | | | | | | | |
| LEASE & WELL NAME WILDHORSE #04-0424H - API 05123348960000 | | LOCATION 4-9N-59W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # Cade 21 | | TYPE OF JOB Surface | | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD | HANGER TYPES | MD | TVD | | | |
| 9-5/8" Top Cem Plug, Nitrile cvr, Phr | | Cement Basket, Slip On, 9-5/8 in | | NONE | | 0 | 0 | NONE | 0 | 0 | | | |
| | | Centralizer, with Pins, 9-5/8 in | | NONE | | 0 | 0 | NONE | 0 | 0 | | | |
| | | Float Collar, Auto Fill, 9-5/8 - 8rd | | NONE | | 0 | 0 | NONE | 0 | 0 | | | |
| | | Guide Shoe, Cement Nose, 9-5/8 i | | | | | | | | | | | |
| PHYSICAL SLURRY PROPERTIES | | | | | | | | | | | | | |
| MATERIALS FURNISHED BY BJ | | LAB REPORT NO. | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ₃ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | | | |
| Fresh water | | 0 | | 0 | 8.34 | 0 | 0 | 00:00 | 10 | | | | |
| Typell+1%CaCl+.25CF | | C05-006-13 | | 719 | 14.5 | 1.40 | 6.81 | 02:44 | 179.2 | 116.34 | | | |
| Fresh water | | 0 | | 0 | 8.34 | 0 | 0 | 00:00 | 116.5 | | | | |
| Fresh Water + dye | | 0 | | 0 | 8.34 | 0 | 0 | 00:00 | 0 | | | | |
| Available Mix Water 200 Bbl. | | Available Displ. Fluid 200 Bbl. | | TOTAL | | | | 305.7 | 116.34 | | | | |
| HOLE | | | TBG-CSG-D.P. | | | | | COLLAR DEPTHS | | | | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD | GRADE | SHOE | FLOAT | STAGE | |
| 13.5 | 0 | 1565 | 8.921 | 9.625 | 36 | CSG | 1555 | 1555 | J-55 | 1555 | 1508 | 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 | BTM | SIZE | THREAD | TYPE | WGT. |
| NO PACKER OR CEMENT R | | | | | | | 0 | | | 9.625 | 8RND | WATER BASED | 9.4 |
| 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 | | | |
| 116.5 | BBLS | Fresh water | 8.34 | 481.9 | 0 | 0 | 0 | 0 | 3520 | 2816 | FRAC TANK | | |
| 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: 9.4 LBS/GAL | | | | Mud Density Out: 9.4 LBS/GAL | | | | PV & YP Mud In: 12 | | | PV & YP Mud Out: 12 | | |
| 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: .5 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: 11 | | | | Type: <input checked="" 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: | | | | 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 | | | | | | | | | | | | | |

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 4011 PSI | | | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | |
| 23:10 | 0 | 0 | 0 | 0 | NA | LEAVE THE DISTRICT | | | |
| 02:10 | 0 | 0 | 0 | 0 | NA | ARRIVE TO LOCATION | | | |
| 02:35 | 0 | 0 | 0 | 0 | NA | SPOT TRUCKS | | | |
| 03:40 | 0 | 0 | 0 | 0 | NA | SAFETY MEETING | | | |
| 04:29 | 4011 | 0 | 0 | 0 | H2O | PRESSURE TEST | | | |
| 04:32 | 27 | 0 | 4.8 | 10 | H2O | PRE FLUSH | | | |
| 04:36 | 94 | 0 | 4.8 | 10 | H2O | WATER SPACER WITH DYE | | | |
| 04:39 | 0 | 0 | 0 | 0 | NA | SHUT DOWN AND PREPARE FOR CMT | | | |
| 04:42 | 154 | 0 | 4.8 | 179 | CMT | LEAD CMT BATCHED AND WEIGHED | | | |
| 05:24 | 0 | 0 | 0 | 0 | NA | SHUT DOWN AND WASH UP PUMP | | | |
| 05:26 | 0 | 0 | 0 | 0 | NA | DROP PLUG | | | |
| 05:28 | 118 | 0 | 6 | 80 | H2O | DISPLACEMENT | | | |
| 05:36 | 175 | 0 | 6 | 0 | H2O | CAUGHT PRESSURE AT 35 BBL OF DISPLACEMENT PUMPED | | | |
| 05:42 | 381 | 0 | 6 | 0 | CMT | CEMENT TO SURFACE WITH 70 BBL OF DISPLACEMENT PUMPED. 46 BBL CMT TO SURFACE | | | |
| 05:47 | 545 | 0 | 4.8 | 20 | H2O | DROP RATE | | | |
| 05:51 | 462 | 0 | 3.6 | 10 | H2O | DROP RATE | | | |
| 05:54 | 434 | 0 | 2.4 | 6 | H2O | DROP RATE | | | |
| 05:56 | 507 | 0 | 2.4 | 116 | H2O | FINAL LIFT | | | |
| 05:56 | 1105 | 0 | 2.4 | 0 | H2O | BUMP THE PLUG | | | |
| 05:58 | 1088 | 0 | 0 | 0 | H2O | BLEED OF PSI/FLOATS DID HOLD | | | |
| 06:05 | 0 | 0 | 0 | 0 | NA | RIG IT DOWN | | | |
| 06:40 | 0 | 0 | 0 | 0 | NA | LEAVE LOCATION | | | |

| | | | | | | | |
|---|------------------------|---|---------------------------------|-------------------------|-----------------------|---|-------------------------------|
| 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 type="checkbox"/> Y <input type="checkbox"/> N | 507 | <input type="checkbox"/> Y <input type="checkbox"/> N | 46 | 315 | 0 | <input type="checkbox"/> Y <input type="checkbox"/> N | <i>C. Kinney</i> |

