

CEMENT JOB REPORT



| | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------|--------------------|
| CUSTOMER WHITING PETROLEUM CORP | | DATE 13-JUN-14 | | F.R. # 10011075509 | | SERV. SUPV. Anthony J Staples | |
| LEASE & WELL NAME RAZOR #26L-3503A - API 05123379910000 | | LOCATION 26-10N-58W | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # CADE 23 | | TYPE OF JOB Intermediate | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD |
| 7" Top Cem Plug, Nitrile cvr, Phen | | Float Shoe 7 - 8rd | | | | | |
| | | 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 |
| Ultra Flush II Spacer | | | | 0 | 10.5 | 0 | 0 |
| (35:65) + LW-6 + Adds | | C06-042-14 | | 317 | 10.5 | 2.64 | 8.85 |
| MUD | | | | 0 | 10 | 0 | 0 |
| (35:65) + LW-6 + Adds | | C06-042-14 | | 94 | 10.5 | 3.12 | 10.48 |
| Available Mix Water 200 Bbl. | | Available Displ. Fluid 300 Bbl. | | TOTAL | | 442.68 | 90.29 |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD |
| 8.75 | 33 | 6006 | 6.184 | 7 | 29 | CSG | 6006 |
| | | | | TVD | GRADE | SHOE | FLOAT |
| | | | | 6006 | P-110 | 6006 | 5959 |
| | | | | STAGE | 1 | | |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | |
| ID | OD | WGT | TYPE | MD | TVD | BRAND & TYPE | DEPTH |
| 8.9 | 9.63 | 36 | CSG | 1527 | 1527 | No Packer | 0 |
| | | | | TOP | BTM | SIZE | THREAD |
| | | | | 0 | 0 | 7 | 8 RD |
| | | | | TYPE | WGT. | WATER BASED 10 | |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED |
| 221.4 | BBLS | MUD | 10 | 155 | 0 | 0 | 0 |
| | | | | MAX CSG PSI | MAX TBG PSI | MAX CSG PSI | MIX WATER |
| | | | | 8976 | 3000 | frac tank | |
| Circulation Prior to Job | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 1 | | | |
| Mud Density In: 10 LBS/GAL | | | | Mud Density Out: 10 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: 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"/> 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: 49 | | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD | | | | Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID | | | |
| 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: 1527 PSI | | | | With 10 LBS/GAL Mud | | | |
| Time Held: 00 Hours 15 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 | 5065 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 22:22 | 0 | 0 | 0 | 0 | N/A | Arrive on Location 120 miles (Rig Running Casing) | |
| 00:55 | 0 | 0 | 0 | 0 | N/A | Spot Trucks | |
| 01:00 | 0 | 0 | 0 | 0 | N/A | Pre-Rig Safety Meeting | |
| 01:55 | 0 | 0 | 0 | 0 | N/A | Pre-Job Safety Meeting | |
| 02:33 | 20 | 0 | 1 | 2 | H2O | Load Lines | |
| 02:37 | 5065 | 0 | 0 | 0 | H2O | Pressure Test | |
| 02:53 | 207 | 0 | 3.6 | 20 | H2O | Ultra Flush II Spacer | |
| 03:09 | 310 | 0 | 4.1 | 192 | CMT | Batch, weigh, and Pump 10.5# 35:65 Poz (fly Ash) Class G + .06 lbs/sks Static Free + .1% R-3 + 46.46% LW-6 + 1.2% FL-25 + .5% SMS + .01 gps FP-6L + 5% CSE-2 | |
| 03:59 | 299 | 0 | 4 | 66 | CMT | Pump 10.5# 35:65 Poz (fly Ash) Class G + .06 lbs/sks Static Free + 54.44% LW-6 + 1.2% FL-25 + .5% SMS + .01 gps FP-6L + 5% CSE-2 | |
| 04:18 | 0 | 0 | 0 | 0 | N/A | Shut Down/wash tub | |
| 04:24 | 0 | 0 | 0 | 0 | H2O | Drop Plug | |
| 04:24 | 398 | 0 | 5.6 | 120 | MUD | Displacement | |
| 04:44 | 630 | 0 | 4.1 | 90 | MUD | Rate Change | |
| 05:08 | 557 | 0 | 2.8 | 11 | MUD | Rate Change | |
| 05:11 | 649 | 0 | 0 | 0 | H2O | Bumped Plug @ 221 Bbls | |
| 05:15 | 0 | 0 | 0 | 0 | N/A | Check Floats .75 Bbls Back | |
| 05:18 | 1527 | 0 | 0 | 0 | H2O | Casing Test (Problems Holding Pressure Closed 2" at back of Pump Pressure still fell When reopened 2" Pressure Increased Verifying pressure lose was at the pump not the Casing) | |
| 05:37 | 0 | 0 | 0 | 0 | H2O | Bleed off Pressure | |
| 05:40 | 0 | 0 | 0 | 0 | N/A | Pre-Rig Down Safety Meeting | |
| BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N | PSI TO BUMP PLUG 649 | TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 80 | TOTAL BBL. PUMPED 499 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input type="checkbox"/> N | Service Supervisor Signature: |

