

CEMENT JOB REPORT



| | | | | | | | |
|--|--------------------------------|----------------------------------|---------------------------|---|---------------------------------|---|--------------------|
| CUSTOMER WHITING PETROLEUM CORP | | DATE 22-AUG-14 | F.R. # 10011093207 | | SERV. SUPV. FELIPE LANDA | | |
| LEASE & WELL NAME RAZOR #21C-0907 - API 05123395260000 | | LOCATION 21-10N-58W | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # | | TYPE OF JOB Intermediate | | | |
| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE | MECHANICAL BARRIERS | | MD | TVD | HANGER TYPES MD TVD | |
| Cement Plug, Rubber, Top 7 in | Centralizer, with Pins, 7 in | | | | | | |
| | Float Collar, AI Flap, 7 - 8rd | | | | | | |
| | Float Shoe 7 - 8rd | | | | | | |
| MATERIALS FURNISHED BY BJ | | LAB REPORT NO. | | PHYSICAL SLURRY PROPERTIES | | | |
| | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | |
| Ultra Flush II Spacer | | | | | 10.5 | | |
| (35:65) + LW-6 + Adds | | 320 | | 10.5 | 2.64 | 8.85 | |
| Fresh Water | | | | 8.34 | | 232.6 | |
| (35:65) + LW-6 + Adds | | 96 | | 10.5 | 3.12 | 10.48 | |
| Available Mix Water 400 Bbl. | | Available Displ. Fluid 400 Bbl. | | TOTAL | | 456.40 91.42 | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD |
| 8.75 | 35 | 6138 | 6.276 | 7 | 26 | CSG | 6229 |
| | | | | TVD | GRADE | SHOE | FLOAT |
| | | | | 5921 | | 6120 | 6080 |
| | | | | STAGE | 0 | | |
| 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 | | 1700 | 1700 | NO PACKER | 0 |
| | | | | TOP | BTM | SIZE | THREAD |
| | | | | 0 | 0 | 7 | 8RD |
| | | | | TYPE | WGT. | WATER BASED 10.2 | |
| 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 |
| 232.6 | BBLS | Fresh Water | 8.34 | 658 | 0 | 0 | 0 |
| | | | | MAX CSG PSI | MAX TBG PSI | MAX CSG PSI | MIX WATER |
| | | | | 7240 | 5792 | TANK | |
| Circulation Prior to Job | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 1 | | | |
| Mud Density In: 10.2 LBS/G | | | | Mud Density Out: 10.2 LBS/GAL | | | |
| 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | Quantity: 30 | | 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: | | | |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity: | | | |
| Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | Parabow Used: <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: 1502 PSI With 10.2 LBS/GAL Mud Time Held: 00 Hours 15 Minutes | | | | | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE | | | | | | | |

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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)
"LAN" FOR JOB CHART HAD INTERFERENCE WHILE PUMPING MAKING IT NOT READ ACCURATE

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 4080 PSI |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 03:30 | 0 | 0 | 0 | 0 | NA | YARD CALL |
| 09:10 | 0 | 0 | 0 | 0 | NA | ARRIVE ON LOCATION (rig running casing about 35 joints of casing left) |
| 15:30 | 0 | 0 | 0 | 0 | NA | SPOT TRUCKS/PRE RIG UP SAFETY MEETING |
| 16:05 | 0 | 0 | 0 | 0 | NA | SAFETY MEETING |
| 16:29 | 280 | 0 | .4 | 1 | H2O | LOAD LINES |
| 16:31 | 1395 | 0 | 0 | 0 | H2O | LOW PRESSURE TEST |
| 16:34 | 4080 | 0 | 0 | 0 | H2O | HIGH PRESSURE TEST |
| 16:39 | 684 | 0 | 5 | 10 | H2O | FRESH WATER |
| 16:45 | 654 | 0 | 5 | 20 | H2O | ULTRAFLUSH II @ 10.5 PPG |
| 17:08 | 304 | 0 | 2.7 | 159 | LEAD | 320 SACKS OF 35:65:POZ (FLY ASH):CLASS "G" CEMENT + 0.06 lbs/sack STATIC FREE + 0.1% R-3 + 46.46% LW-6 + 1.2 FL-25 + 0.5% SODIUM METASILICATE + 0.01 gps FP-13L + 5% CSE-2 @ 10.5 PPG |
| 18:09 | 359 | 0 | 2.7 | 59 | TAIL | 96 SACKS OF 35:65:POZ (FLY ASH):CLASS "G" CEMENT + 0.06 lbs/sack STATIC FREE + 54.44% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 20% SILICA SAND 100 mesh, sacked + 0.01 gps FP-13L + 5% CSE-2 @ 10.5 PPG |
| 18:37 | 0 | 0 | 0 | 0 | NA | DROP PLUG |
| 18:38 | 951 | 0 | 6.6 | 200 | MUD | DISPLACE |
| 19:12 | 658 | 0 | 4.6 | 10 | MUD | RATE CHANGE |
| 19:16 | 673 | 0 | 3.6 | 22 | MUD | RATE CHANGE |
| 19:20 | 1219 | 0 | 3.6 | 0 | MUD | BUMP PLUG @ 232 BBLS (23 bbls cement to surface) |
| 19:02 | 0 | 0 | 0 | 0 | MUD | CHECK FLOATS |
| 19:23 | 1502 | 0 | 1.1 | 0 | MUD | CASING TEST |
| 19:38 | 1585 | 0 | 0 | 0 | MUD | END CASING TEST |
| 20:00 | 0 | 0 | 0 | 0 | NA | POST JOB 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: |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|--|-------------------------------|
| <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 1219 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 23 | 480 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |

RAZOR 21C-0907 (C042)

