

CEMENT JOB REPORT



| | | | | | |
|--|--------------------------------------|--|--------------------|---|---------------------|
| CUSTOMER WHITING OIL & GAS CORP XA | | DATE 16-APR-16 | F.R. # 10011196789 | SERV. SUPV. JASON L SJOBERG | |
| LEASE & WELL NAME HORSETAIL #07F-1805 - API 05123417740000 | | LOCATION SENW Sec 7-T10N-R57W | | COUNTY-PARISH-BLOCK Weld Colorado | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # | | TYPE OF JOB Long String | |
| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE | MECHANICAL BARRIERS | MD | TVD | HANGER TYPES MD TVD |
| 5-1/2" Top Cem Plug, Nitrile cvr, Ph | Float Collar, Auto Fill, 5-1/2 - 8rd | | | | |
| | Float Shoe 5-1/2 - 8rd | | | | |
| | Centralizer, with Pins, 5-1/2 in | | | | |
| PHYSICAL SLURRY PROPERTIES | | | | | |
| MATERIALS FURNISHED BY BJ | LAB REPORT NO. | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS |
| Ultra Flush HV Spacer System | | 54 | 11 | 5.18 | 34.93 |
| Fresh Water | | | 8.34 | | |
| Premium Lite High Strength RM + Adds | | 674 | 13 | 1.90 | 9.75 |
| (50:50) Poz:Class G Cement + Adds | | 1,580 | 14 | 1.40 | 6.33 |
| FW + CorrHib 132 + FC-1000 + FP-13L + Xcide 725 | | | 8.34 | | |
| Fresh water | | | 8.34 | | |
| Available Mix Water | 800 Bbl. | Available Displ. Fluid | 800 Bbl. | TOTAL | 986.86 443.43 |
| HOLE | | TBG-CSG-D.P. | | | COLLAR DEPTHS |
| SIZE | % EXCESS | DEPTH | ID OD | WGT. TYPE | MD TVD GRADE |
| 8.5 | 15 | 13870 | 4.778 5.5 | 20 CSG | 13067 5725 P-110 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | | PERF. DEPTH |
| ID OD | WGT. TYPE | MD TVD | BRAND & TYPE | | DEPTH TOP BTM |
| 8.9 9.63 | 36 CSG | 1978 1978 | No Packer | | 0 |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. |
| 288.7 | BBLS | FW + CorrHib 132 + | 8.34 | 1501 | 0 |
| Circulation Prior to Job | | Circulation Time: 1 | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | Circulation Rate: 10 BPM | | | |
| Mud Density In: 10.4 LBS/G | | Mud Density Out: 10.4 LBS/GAL | | PV & YP Mud In: | |
| 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: 2.5 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 checked="" type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <input type="checkbox"/> NONE | | UNABLE DUE TO STUCK PIPE | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | Quantity: 127 | | 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 | | NO MANIFOLD | | | |
| Plugs | | | | | |
| Number of Attempts by BJ: 0 | | Competition: 0 | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | Quantity: | |
| 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"/> | |
| 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 | |

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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)
 None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 None

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Rig broke down while running casing

| 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 | 4979 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 12:00 | 0 | 0 | 0 | 0 | N/A | Yard call | |
| 15:00 | 0 | 0 | 0 | 0 | N/A | Leave yard | |
| 18:00 | 0 | 0 | 0 | 0 | N/A | Arrive on location | |
| 18:10 | 0 | 0 | 0 | 0 | N/A | Spot trucks/pre rig-up safety meeting | |
| 21:30 | 0 | 0 | 0 | 0 | N/A | Rig running casing | |
| 11:00 | 0 | 0 | 0 | 0 | N/A | Done with casing, rig casers down | |
| 11:45 | 0 | 0 | 0 | 0 | N/A | Rig up rotating head | |
| 12:15 | 0 | 0 | 10 | 500 | MUD | Rig circulating through head and rotating | |
| 12:45 | 0 | 0 | 0 | 0 | N/A | Safety meeting | |
| 13:25 | 4979 | 0 | 0 | 0 | H2O | Pressure test pump and lines | |
| 13:33 | 371 | 0 | 4.5 | 10 | H2O | Preflush fresh water rotating | |
| 13:43 | 421 | 0 | 4.8 | 50 | H2O | Preflush ultraflush HV 11# rotating | |
| 13:57 | 195 | 0 | 4.2 | 10 | H2O | Preflush fresh water rotating | |
| 14:00 | 321 | 0 | 6 | 228 | CMT | Batch, weigh, pump 674 sks 13# PLHS RM .4% R-3 + .75% FL63 + .2% ASA-301 rotating | |
| 14:50 | 296 | 0 | 4.8 | 283 | CMT | Pump 1580 sks 14# 50:50:Poz G + 1% FL-63 + .2% ASA-301 + 7 lbs/sack CSE-2 + 2% Bentonite rotating for about 160 bbls | |
| 16:18 | 0 | 0 | 0 | 0 | N/A | Washup | |
| 16:26 | 2095 | 0 | 7.2 | 275 | H2O | Drop plug and displace FW + CorrHib 132 + FC-1000 + Xcide 725, 1st 10 bbls sugar water | |
| 17:11 | 1698 | 0 | 3.1 | 13 | H2O | Drop rate | |
| 17:17 | 1840 | 0 | 3.1 | 288 | H2O | Bump plug | |
| 17:21 | 2701 | 0 | 0 | 0 | N/A | Check floats | |
| 17:27 | 0 | 0 | 0 | 0 | N/A | Post job 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 | 1840 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 35 | 869 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |



Baker Hughes JobMaster Program Version 4.02

Job Number: 10011196789

Customer: Whiting

Well Name: Horsetail 07F-1805

