

CEMENT JOB REPORT



| | | | | | | | |
|---|-----------------|---|-------------|---|-----------------------|-------------------------------------|--------------------|
| CUSTOMER WHITING OIL & GAS CORP XM | | DATE 14-MAR-14 | | F.R. # 10011052554 | | SERV. SUPV. JOHN R WUDARCZYK | |
| LEASE & WELL NAME RAZOR #11E-0203A - API 05123385300000 | | LOCATION 11-10N-58W | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # CADE 23 | | TYPE OF JOB Surface | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD | TVD |
| Cement Plug, Rubber, Top 9-5/8 in | | Float Shoe 9-5/8 - 8rd | | | | | |
| | | Float Collar, Pop Valve, 9-5/8 - 8rd | | | | | |
| | | Centralizer, with Pins, 9-5/8 in | | | | | |
| MATERIALS FURNISHED BY BJ | | LAB REPORT NO. | | PHYSICAL SLURRY PROPERTIES | | | |
| | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | WATER GPS |
| Fresh Water | | | | 0 | 8.34 | 0 | 0 |
| Type III + Adds | | | | 797 | 14.5 | 1.40 | 6.81 |
| Fresh water | | | | 0 | 8.34 | 0 | 0 |
| Available Mix Water 500 Bbl. | | Available Displ. Fluid 500 Bbl. | | TOTAL | | 353.47 | 129.18 |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD |
| 13.5 | 25 | 1870 | 8.921 | 9.625 | 36 | CSG | 1850 |
| | | | | | | GRADE | SHOE |
| | | | | | | J-55 | 1850 |
| | | | | | | TVD | FLOAT |
| | | | | | | 1850 | 1805 |
| | | | | | | STAGE | 0 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | |
| ID | OD | WGT | TYPE | MD | TVD | SIZE | THREAD |
| | | | | | | 9.625 | 8RND |
| | | NO PACKER | | 0 | | WATER BASED | |
| | | | | | | WGT. | 8.6 |
| 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 |
| 139.5 | BBLS | Fresh water | 8.34 | 553 | 0 | 0 | 0 |
| | | | | | | Operator | MAX CSG PSI |
| | | | | | | 2816 | 2000 |
| | | | | | | Operator | MIX WATER |
| | | | | | | | RIG |
| Circulation Prior to Job | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 1 | | | |
| Mud Density In: 8.6 LBS/GAL | | | | Mud Density Out: 8.6 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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | Quantity: 14 | | | |
| 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: 0 | | | |
| Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | | Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | |
| 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: 1500 PSI | | | | With 8.34 LBS/GAL Mud | | | |
| | | | | Time Held: 00 Hours 15 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 3636 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 11:20 | 0 | 0 | 0 | 0 | 0 | ARRIVE ON LOCATION (124 MILES) | |
| 13:50 | 0 | 0 | 0 | 0 | 0 | PRE RIG UP SAFETY MEETING | |
| 15:00 | 0 | 0 | 0 | 0 | 0 | PRE JOB MEETING | |
| 15:20 | 3636 | 0 | 0 | 0 | H2O | PRESSURE TEST PUMPS AND LINES | |
| 15:25 | 152 | 0 | 4.8 | 15 | H2O | DYE WATER | |
| 15:35 | 275 | 0 | 4.8 | 190 | CMT | BATCH UP AND PUMP 797 SKS TYPE III+.08#/SACK STATIC FREE+1%CACL+.25#/SACK CELLO FLAKE @ 14.5# | |
| 16:47 | 0 | 0 | 0 | 0 | H2O | DROP PLUG | |
| 16:48 | 353 | 0 | 6 | 30 | H2O | START DISPLACEMENT | |
| 16:55 | 664 | 0 | 4.8 | 70 | H2O | SLOW RATE | |
| 17:10 | 828 | 0 | 3.6 | 40 | H2O | SLOW RATE | |
| 17:23 | 1295 | 0 | 0 | 0 | H2O | BUMP PLUG @ 140 BBLS | |
| 17:24 | 0 | 0 | 0 | 0 | H2O | CHECK FLOATS (1 BBL BACK) | |
| 17:27 | 1505 | 0 | 2 | 1 | H2O | START CASING TEST | |
| 17:45 | 0 | 0 | 0 | 0 | H2O | BLEED OFF CASING TEST | |
| 17:50 | 0 | 0 | 0 | 0 | 0 | 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 | 1295 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 40 | 345 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |



Target Density (ppg)

8.34

C992

