

CEMENT JOB REPORT



| | | | | | | | | | |
|---|--|--|---|--|--------------------------|---|---------------------------------------|--|--|
| CUSTOMER Petroleum Development Corp 01 | | | DATE 03-FEB-11 | | F.R. # 1001756628 | | SERV. SUPV. AARON M MCWILLIAMS | | |
| LEASE & WELL NAME WOLFRUM #42-10 - API 05123225700000 | | | LOCATION Sec.10 - T6N - R64W | | | COUNTY-PARISH-BLOCK Weld Colorado | | | |
| DISTRICT Brighton | | | DRILLING CONTRACTOR RIG # Work-Over | | | TYPE OF JOB Long String | | | |

| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE | PHYSICAL SLURRY PROPERTIES | | | | | | |
|---|-------------------|----------------------------|----------------|----------------------------|-----------|------------------|--------------|---------------|
| | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER |
| No Shoe | | | | | | | | |
| MATERIALS FURNISHED BY BJ | | | | | | | | |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 00:00 | 10 | |
| Premium Lite Cement + Adds | | 322 | 11 | 3.22 | 19.86 | 04:00 | 184.42 | 152.24 |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 00:00 | 2.25 | |
| Mud Clean II | | 0 | 8.43 | 0 | 0 | 00:00 | 10 | |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 00:00 | 10 | |
| Available Mix Water 260 Bbl. Available Displ. Fluid 80 Bbl. | | | | | | | TOTAL | 216.67 152.24 |

| HOLE | | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | |
|------|----------|-------|--------------|------|------|-------|---------------|------|-------|-------|
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE | SHOE | FLOAT | STAGE |
| 9 | 0 | 3300 | 4.5 | 11.6 | CSG | 3300 | N-80 | 0 | 0 | 0 |

| LAST CASING | | | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | | WELL FLUID | |
|-------------|-----|------|-------|-------------------------|-------|-------------|-----|----------|--------|----------------|------|
| SIZE | WGT | TYPE | DEPTH | BRAND & TYPE | DEPTH | TOP | BTM | SIZE | THREAD | TYPE | WGT. |
| 8.625 | 24 | CSG | 852 | No Packer | 0 | 0 | 0 | 4.5 | 8RD | WATER BASED MU | 9 |

| 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 | |
| 2.3 | BBLS | Fresh Water | 8.34 | 0 | 0 | 0 | 12360 | 3000 | 6224 | 3000 | Frack tank |

Circulation Prior to Job

| | | | | | | |
|---|--|--|---|--|-------------------------|--|
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | Circulation Time: 1 | | Circulation Rate: 2 BPM | |
| Mud Density In: 9 LBS/GAL | | | Mud Density Out: 9 LBS/GAL | | PV & YP Mud In: 0 | |
| PV & YP Mud Out: 0 | | | Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 0 | | | |
| 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: 0 BBLS | | |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL | | | Method Used to Verify Returns: Visually | | |
| 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 checked="" type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | |
| Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES | | | Quantity: Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID | | |
| Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input type="checkbox"/> MANIFOLD <input checked="" type="checkbox"/> NO MANIFOLD | | | | | |

Plugs

| | | | | | |
|---|--|---|--|---|--|
| Number of Attempts by BJ: 0 | | Competition: 0 | | 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 checked="" 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 | |
|-----------------------------|--|--------------------|--|--------------------------------|--|

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 | | | |

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

N/A

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

N/A

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 | 4165 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 09:10 | 0 | 0 | 0 | 0 | N/A | Pre rig up safety meeting | |
| 11:35 | 0 | 0 | 0 | 0 | N/A | Pre job safety meeting | |
| 11:55 | 4165 | 0 | 0 | 0 | H2O | Pressure test pumps and lines | |
| 11:57 | 1800 | 0 | 1.9 | 10 | H2O | Fresh water preflush | |
| 12:00 | 1760 | 0 | 1.9 | 10 | MUD CLEAN | Mud clean II | |
| 12:09 | 1700 | 0 | 1.9 | 10 | H2O | Fresh water spacer | |
| 12:21 | 2065 | 0 | 1.9 | 93 | CMT | Batch up and pump 160sks of PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 11 ppg 3.22 yield 19.86 gps | |
| 13:09 | 1305 | 0 | 1.5 | 1.25 | H2O | Displacement | |
| 14:11 | 1020 | 0 | 1.7 | 1 | H2O | Displacement | |
| 13:41 | 1720 | 0 | 2.2 | 60 | CMT | Batch up and pump 105sks of PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 11 ppg 3.22 yield 19.86 gps | |
| 14:12 | 0 | 0 | 0 | 0 | H2O | Stop pumping | |
| 14:15 | 0 | 0 | 0 | 0 | N/A | 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 |
| Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | | 0 | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | 5 | 185.25 | 0 | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |

Service Supervisor Signature:

[Handwritten Signature]