

CEMENT JOB REPORT



| | | | | | |
|-------------------------------------------------------------------|--|--------------------------------------|-------------------|--------------------------------------|--|
| CUSTOMER MARATHON OIL - XML | | DATE 24-SEP-11 | F.R. # 1001855195 | SERV. SUPV. CORY A THAUT | |
| LEASE & WELL NAME FRENCH LAKE 4-63-36 #1B - API 05123332950000 | | LOCATION 36-4N-63W | | COUNTY-PARISH-BLOCK Weld Colorado | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # H&P 321 | | TYPE OF JOB Intermediate | |

| 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 |
| Cement Plug, Rubber, Top 7 in | Float Shoe 7 - 8rd | | | | | | | |
| | Centralizer, with Pins, 7 in | | | | | | | |
| MATERIALS FURNISHED BY BJ | | | | | | | | |
| Premium Lite Cement + additives | | 565 | 12.5 | 1.93 | 10.17 | 00:02 | 194 | 136.98 |
| 50:50:3 + 0.4% FL-52+0.1% SMS+20%S-8 | | 124 | 13.5 | 1.74 | 8.04 | 04:59 | 38 | 23.43 |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 00:00 | 263.5 | |
| Sealbond Preflush | | 0 | 8.6 | 0 | 0 | 00:00 | 40 | |
| Claytreat Water + Alpha-125 | | 0 | 8.34 | 0 | 0 | 00:00 | 20 | |
| Available Mix Water 800 Bbl. | Available Displ. Fluid 554 Bbl. | TOTAL | | | | | 555.5 | 160.41 |

| HOLE | | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | |
|------|----------|-------|--------------|------|------|-------|---------------|------|---------|-------|
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE | SHOE | FLOAT | STAGE |
| 8.75 | 25 | 6965 | 7 | 26 | CSG | 6935 | N-80 | 6935 | 6887.16 | 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. |
| 9.625 | 40 | CSG | 679 | No Packer | 0 | 0 | 0 | 7 | 8RND | WATER BASED ML | 8.9 |

| 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 | |
| 263.5 | BBLs | Fresh Water | 8.34 | 1555 | 0 | 0 | 0 | 0 | 9960 | 5000 | Rig |

| Circulation Prior to Job | | | |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|--|
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | Circulation Time: 3.5 Circulation Rate: 7.5 BPM | | |
| Mud Density In: 8.9 LBS/GAL Mud Density Out: 8.9 LBS/GAL | PV & YP Mud In: 30 PV & YP Mud Out: 30 | | |
| 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 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"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES Quantity: 51 Type: <input checked="" 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: 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 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)

When arrived on location, Baker Hughes supervisor noticed that casing was BTC and not 8 RND. Baker Hughes cement supervisor loaded and brought to location: 7 inch 8 RND faslock cement head as per norm. Butress thread casing was not noted anywhere on recommendation nor was that communicated to the cement department. Customer said that he told Baker Hughes sales that casing was "BTC" (Butress Thread Connection). Also, customer assumed that Baker Hughes would provide their own 7 inch Cement Top wiper plug and therefore did not order one for the job - Baker Hughes did not have a 7 inch Cement Top wiper plug. Very poor communication between Baker Hughes and customer - lead to two hot shots, 4 hrs and 10 min of down time.

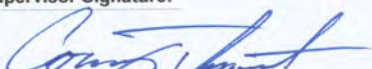
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

None.

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

None.

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 6265 PSI | | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | |
| 05:35 | 0 | 0 | 0 | 0 | 0 | Arrive on location / Wait for rig to finish running casing (1 hour and 25 minutes) | | |
| 05:35 | 0 | 0 | 0 | 0 | 0 | Waiting on hot shot for BTC cement head (was not told that casing was butress) | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | Spot equipment | | |
| 07:11 | 0 | 0 | 0 | 0 | 0 | Pre rig up JSA | | |
| 07:13 | 0 | 0 | 0 | 0 | 0 | Begin ground rig up | | |
| 07:50 | 0 | 0 | 0 | 0 | 0 | Ground rig up complete | | |
| 07:50 | 0 | 0 | 0 | 0 | 0 | Still waiting for BTC cement head and waiting for 7 inch Cement Top plug - neither customer nor BHI had one (4 hours and 10 minutes) | | |
| 12:00 | 0 | 0 | 0 | 0 | 0 | JSA with customer and rig crew | | |
| 12:38 | 396 | 0 | 2.1 | 2 | H2O | Load lines | | |
| 12:40 | 3649 | 0 | 0 | 0 | H2O | Low pressure test | | |
| 12:41 | 6265 | 0 | 0 | 0 | H2O | High pressure test | | |
| 12:44 | 456 | 0 | 4.8 | 20 | H2O | Spacer - Fresh Water + 1 gpt Clay Care + 1 gpt Alpha 125 | | |
| 12:53 | 471 | 0 | 4.8 | 40 | SLBND | Sealdond + 1gpt Alpha 125 | | |
| 13:05 | 500 | 0 | 4.8 | 188 | CMT | Batch up weigh and pump 565 sxs of Premium Lite Cement + 0.25%lbs/sack Cello Flake + 5 lbs/sack Kol-Seal + 0.4% FL-52 + 3% Bentonite | | |
| 13:48 | 190 | 0 | 5.1 | 38 | CMT | Weigh and pump 124 sxs of :50}:50:Poz (Fly Ash): Class G Cement + 0.25 lbs/sack Cello Flake + 5 lbs/ sack Kol-Seal + 0.4% FL-52 + 3% Bentonite + 0.1% Sodium Metasilicate + 20% Silica Flower | | |
| 13:57 | 0 | 0 | 0 | 0 | 0 | Shut down | | |
| 14:02 | 38 | 0 | 4.8 | 10 | H2O | Drop plug / Start displacement | | |
| 14:05 | 53 | 0 | 7.2 | 15 | H2O | Increased rate | | |
| 14:17 | 83 | 0 | 7.2 | 50 | H2O | Rate and pressure | | |
| 14:23 | 106 | 0 | 4.8 | 95 | H2O | Caught up to cement (pressure increase) | | |
| 14:35 | 699 | 0 | 4.8 | 150 | H2O | Rate and pressure | | |
| 14:40 | 1060 | 0 | 4.8 | 172 | H2O | Starting to see cement returns to surface (50 good bbls returned) | | |
| 14:46 | 1158 | 0 | 4.8 | 200 | H2O | Rate and pressure | | |
| 14:56 | 1560 | 0 | 4.8 | 250 | H2O | Rate and pressure | | |
| 14:57 | 1519 | 0 | 2.4 | 253 | H2O | Slow rate | | |
| 15:01 | 1600 | 0 | 2.4 | 264 | H2O | Pressure just before bump plug (Final Lift Pressure) | | |
| 15:01 | 2150 | 0 | 2.4 | 264 | H2O | Bump plug | | |
| 15:03 | 2154 | 0 | 0 | 0 | H2O | Check floats (holding) | | |
| 15:05 | 0 | 0 | 0 | 0 | H2O | Pre rig down JSA | | |
| 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 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 85 | 550 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |  |



BJ Services JobMaster Program Version 3.50
Job Number: 1001855195
Customer: Marathon
Well Name: French Lake 4-63-36 1B

