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Title: Reg. Compliance Tech Date: 10/8/2007

CEMENT JOB REPORT



| | | | | | | | | | | | | | | | |
|---|----------|--|------------------|--|----------------------|----------------------------------|--------------|---|---------------|---------------------|------------|---|--|--|--|
| CUSTOMER MARATHON OIL (HOUSTON) | | DATE 06-OCT-07 | F.R. # 501410050 | SERV. SUPV. R DAVID SNYDER JR | | | | | | | | | | | |
| LEASE & WELL NAME 697-13C #18 - API 05045142450000 | | LOCATION 13-6S-97W | | COUNTY-PARISH-BLOCK Garfield Colorado | | | | | | | | | | | |
| DISTRICT Grand Junction | | DRILLING CONTRACTOR RIG # H&P 319 | | TYPE OF JOB Surface | | | | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | PHYSICAL SLURRY PROPERTIES | | | | | | | | | | | |
| Cement Plug, Rubber, Top 9-5/8 in | | Float Collar, AI Flap, 9-5/8 - 8rd Guide Shoe, Cement Nose, 9-5/8 i | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | | | | | |
| MATERIALS FURNISHED BY BJ | | | | | | | | | | | | | | | |
| FRESH WATER | | | | 0 | 8.34 | 0 | 0 | 00:00 | 20 | | | | | | |
| SUREBOND II | | | | 0 | 9.1 | 0 | 0 | 00:00 | 40 | | | | | | |
| FRESH WATER | | | | 0 | 8.34 | 0 | 0 | 00:00 | 20 | | | | | | |
| 25.75 poz type III+.05lb static+.5lb cello+6lb kol | | | | 1,014 | 11.6 | 3.2 | 17.85 | 03:23 | 577 | 430.28 | | | | | |
| +5% A-10+5%sms+4lb pheno+20lb CSE-2 | | | | 0 | 0 | 0 | 0 | 00:00 | 0 | | | | | | |
| type III + .05lb static+1%cad+.25lb cello+ | | | | 264 | 14.2 | 1.52 | 6.85 | 03:45 | 71 | 42.78 | | | | | |
| +5lb kol+4lb pheno | | | | 0 | 0 | 0 | 0 | 00:00 | 0 | | | | | | |
| FRESH WATER | | | | 0 | 8.34 | 0 | 0 | 00:00 | 195 | | | | | | |
| TYPE III+10%A-10+2%cad+.04lb static | | | | 69 | 14.2 | 1.62 | 7.97 | | 20 | 13.15 | | | | | |
| Available Mix Water 3000 Bbl. | | Available Displ. Fluid 2250 Bbl. | | TOTAL | | | | 943 | 486.21 | | | | | | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | | | | | | | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE | SHOE | FLOAT | STAGE | | | | | |
| 14.75 | 75 | 2699 | 9.625 | 36 | CSG | 2524 | J-55 | 2524 | 2455.82 | | | | | | |
| 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. | | | | |
| 20 | 52.73 | CSG | 120 | NO PACKER | 0 | 0 | 0 | 9.625 | XH | FRESH WATER | 8.4 | | | | |
| 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 | | | | | |
| 189 | BBLS | FRESH WATER | 8.34 | 496 | 0 | 0 | 0 | 0 | 3520 | 2816 | FRAC TANKS | | | | |
| Circulation Prior to Job | | | | | | | | | | | | | | | |
| Circulated Well: Rlg <input type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 0 | | | | Circulation Rate: 0 BPM | | | | | | | |
| Mud Density In: 8.4 LBS/GAL | | | | Mud Density Out: 8.4 LBS/GAL | | | | PV & YP Mud In: | | | | PV & YP Mud Out: | | | |
| 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: Rlg <input type="checkbox"/> BJ <input checked="" type="checkbox"/> | | | | Amount Bled Back After Job: .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 type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROICATION <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 checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD | | | | | | | | | | | | | | | |
| Plugs | | | | | | | | | | | | | | | |
| Number of Attempts by BJ: | | | | Competition: | | | | 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: FT Bottom of Plug: 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: | | | | Fluid Weight: LBS/GAL | | | |
| Casing Test (Update Original Treatment Report for Primary Job) | | | | | | | | | | | | | | | |
| Casing Test Pressure: PSI | | | | With LBS/GAL | | | | Mud | | | | Time Held: Hours Minutes | | | |

CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

| | | |
|---|-------------------------------------|---------------------|
| Depth Drilled out of Shoe: FT | Target EMW: LBS/GAL | Actual EMW: LBS/GAL |
| Number of Times Tests Conducted: | Mud Weight When Test was Conducted: | LBS/GAL |
| Problems Before Job (I.E. Running Casing, Circulating Well, ETC) | | |
| Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC) | | |
| Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC) | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: | | |

| 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 | 5130 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input type="checkbox"/> BJ <input type="checkbox"/> |
| 11:45 | | | | | | PRE CONVOY MEETING | |
| 12:00 | | | | | | LEAVE YARD | |
| 15:00 | | | | | | ARRIVE LOCATION | |
| 15:30 | | | | | | PRE RIG UP MEETING | |
| 20:30 | | | | | | CREW OFF DUTY | |
| 04:30 | | | | | | BACK ON DUTY | |
| 05:30 | | | | | | SAFETY MEETING WITH RIG CREW | |
| 06:30 | 5130 | | | | | TEST LINES | |
| 07:15 | | | | | | RIG PUMPS LCM PILL | |
| 07:45 | 77 | | 2.5 | 20 | H2O | SPACER | |
| 07:55 | 80 | | 2.6 | 40 | H2O | SUREBOND II | |
| 08:11 | 92 | | 3 | 20 | H2O | SPACER | |
| 08:19 | | | | | | BATCH AND WEIGH CEMENT ON FLY | |
| 08:20 | 331 | | 5 | 602 | CMT | LEAD SLURRY | |
| 10:30 | 387 | | 4.4 | 70.7 | CMT | TAIL SLURRY | |
| 10:33 | | | | | | CEMENT RETURNS AT SURFACE | |
| 10:55 | 257 | | 5.6 | | H2O | DROP PLUG / START DISPLACEMENT | |
| 11:01 | 256 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:05 | 318 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:10 | 370 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:14 | 439 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:19 | 575 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:23 | 727 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:28 | 856 | | 5.6 | 25 | H2O | RATE AND PRESSURE | |
| 11:29 | 871 | | 5.6 | 5 | H2O | RATE AND PRESSURE | |
| 11:29 | 685 | | 2.4 | | H2O | SLOW RATE | |
| 11:34 | 990 | | 2.4 | 11 | H2O | BUMP PLUG | |
| 11:40 | | | | | | TEST FLOAT / .5 BBL RETURN | |
| 12:00 | 241 | | 1.3 | 10 | H2O | PUMP ON PARASITE | |
| 12:30 | | | | | | CREW ON STANDBY | |
| 16:15 | | | | | | CREW BACK ON DUTY | |
| 16:40 | 138 | | 1.3 | 20 | CMT | TOP OUT SLURRY | |
| 17:00 | | | | | | PRE RIG DOWN MEETING | |
| 20:15 | | | | | | PRE CONVOY 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 | 990 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | 261 | 973.7 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |