



BJ Services



CEMENT JOB DETAIL SHEET

MAR 18 1996

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|---|------------------------|---|-------------------------|---------------------------------------|---|
| CUSTOMER NARCO | | DATE 3-9-96 | ER# 15257 | SRV. SUP. MARVIN C. STORER | TYPE JOB N/A |
| LEASE # WELL NAME OF CSG 1000000 Champion 210 S.S. Ridge | | LOCATION 210 S.S. Ridge | | COUNTY/PARISH/BLOCK 4000000 | |
| DISTRICT BRIGHTON | | DRILLING CONTRACTOR/RIG# Brighton 2 | | OPERATOR NARCO | |
| MATERIAL FURNISHED BY WPS | TYPE OF PLUGS | LIST-CSG-HARDWARE | | SO MANI FOLD | TOP OF EACH FLUID |
| | TOP BTM | N/A | | Y | N |
| PHYSICAL SLURRY PROPERTIES | | | | | |
| | SLURRY WGT PPG | SLURRY YLD FT | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY |
| | | | | | Bbl MIX WATER |
| 1st Plug 40SKS class 'A' + 1572W-15 (8033') | | | | | |
| 2nd Plug 40SKS class 'A' cement (1650') | | | | | |
| 3rd Plug 40SKS class 'A' cement (1216') | | | | | |
| 4th Plug 40SKS class 'A' cement (875') | | | | | |
| 5th Plug 40SKS class 'A' cement (534') | | | | | |
| 6th Plug 40SKS class 'A' cement (60') | | | | | |
| TOTAL 210SKS class 'A' cement | | | | | |
| Available Mix Water 300 Bbl. | | Available Displ. Fluid 300 Bbl. | | TOTAL 42.6 248 | |
| HOLE | | TBG-CSG-D.P. | | TBG-CSG-D.P. | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | DEPTH |
| 7 7/8 | N/A | 8200' | 4.5 | 16.60 | N/A 8033 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | |
| SIZE | WGT. | TYPE | DEPTH | DEPTH | TOP |
| 8 5/8 | 24 | J-55 | 500' | N/A | N/A |
| CAL. DISPL. VOL.-Bbl. | | CAL. PSI | | CAL. MAX PSI | |
| TBG | CSG | CSG | TOTAL | BUMP PLUG | TO REV |
| N/A | N/A | 112 | 112 | N/A | N/A |
| EXPLANATION: TROUBLE SETTING TOOL RUNNING CSG, ETC. PRIOR TO CEMENTING. | | | | | |
| PRESSURE/RATE DETAIL | | | | | |
| TIME HR: MIN. | PRESSURE-PSI PIPE | RATE ANNULUS | Bbl. FLUID PUMPED | FLUID TYPE | EXPLANATION |
| 8:15P | | | | | SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input type="checkbox"/> |
| 8:47P | 700 | 1 | 3.5 | 12 | TEST LINES 2000 PSI 8:45P |
| 8:52P | 900 | | 3 | 8 | CIRCULATING WELL-RIG <input type="checkbox"/> WPS <input type="checkbox"/> |
| 8:53P | 700 | | 4 | 4 | Pump water ahead 1st plug 8033' |
| 8:54P | 500 | | 5 | 108 | Pump cement 40SKS |
| 9:16P | 0 | | | | Pump water spacer displacement |
| 5:13A | 200 | | 3 | 12 | Pump mud displacement |
| 5:18A | 200 | | 3 | 8 | Shut down flow down pipe to 2nd plug |
| 5:21A | 100 | | 4 | 4 | Pump water ahead 2nd plug 1650' |
| 5:22A | 50 | | 5 | 17 | Pump cement 40SKS |
| 5:25A | 0 | | | | Pump water displacement |
| 5:51A | 200 | | 4 | 12 | Pump mud displacement |
| 5:54A | 200 | | 3 | 8 | Shut down flow down pipe to 3rd plug |
| 5:57A | 100 | | 4 | 4 | Pump water ahead 3rd plug 1216' |
| 5:58A | 0 | | 4 | 11 | Pump cement 40SKS |
| 6:12A | 50 | | 5 | 40 | Pump water displacement |
| 6:34A | 0 | | 4 | 10.5 | Pump water ahead 4th plug 875' |
| 6:56A | 0 | | 5 | 10 | Pump cement 40SKS |
| 6:58A | 0 | | 4 | 8 | Pump water displacement |
| 7:00A | 0 | | 5.5 | 8 | Pump water ahead 5th plug 534' |
| 7:15A | 0 | | 2 | 2 | Pump cement |
| BUMPED PLUG | PSI TO BUMP PLUG | TEST FLOAT EQUIP. | TOTAL Bbl. PUMPED | Bbl. CMT RETURNS/ REVERSED | PSI LEFT ON CSG |
| Y (N) | N/A | Y (N) | 288 | YES | N/A |
| SPOT TOP CEMENT | | | | | SRV. SUP. MARVIN C. STORER |
| | | | | | CUSTOMER REP. JEFF SCHNEIDER |