



02054411

PRIMARY SURFACE CMT.

CEMENT JOB REPORT



| | | | | | | | |
|---|----------|---------------------------------|-------|--|----------------|--------------------------------|------------------|
| CUSTOMER Berry Petroleum Company | | DATE 29-JUN-10 | | F.R. # 1001642212 | | SERV. SUPV. DELBERT S GALLEGOS | |
| LEASE & WELL NAME CHEVRON #19-21D - API 05045195910000 | | LOCATION 19-SS-96W | | COUNTY-PARISH-BLOCK Garfield Colorado | | | |
| DISTRICT Grand Junction | | DRILLING CONTRACTOR RIG # | | TYPE OF JOB Surface | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | PHYSICAL SLURRY PROPERTIES | | | |
| BJ Cement Plug, Rubber, Top 9-5/8 I | | Float Shoe 9-5/8 - 8rd | | 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 | | | | 8.4 | | | 20 |
| Premium Lite Cement | | | | 1,193 | 12.3 | 2.09 | 443.05 |
| Type III w/ additives | | | | 100 | 14.2 | 1.47 | 26.21 |
| Water | | | | 8.5 | | | 190.18 |
| Available Mix Water 800 Bbl. | | Available Displ. Fluid 800 Bbl. | | TOTAL | | 679.44 347.70 | |
| HOLE | | TBG-CSG-D.P. | | COLLAR DEPTHS | | | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE |
| 16 | 50 | 2105 | 9.625 | 36 | CSG | 2105 | |
| | | | | | | SHOE | FLOAT |
| | | | | | | 2060 | 2014 |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | |
| SIZE | WGT | TYPE | DEPTH | BRAND & TYPE | DEPTH | TOP | BTM |
| 20 | 52.73 | CSG | 100 | | | 9.625 | 8RND |
| 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 |
| 155.7 | BBLs | Water | 8.5 | 514 | 0 | 0 | 0 |
| | | | | | | | Operator |
| | | | | | | | RATED |
| | | | | | | | Operator |
| | | | | | | | MIX WATER |
| | | | | | | | frac tank |

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 | |
| | PIPE | ANNULUS | | | | |
| | | | | | | SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/> |
| | | | | | | TEST LINES 3500 PSI |
| | | | | | | CIRCULATING WELL - RIG BJ <input type="checkbox"/> |
| 18:00 | | | | | | convoy and safety meeting |
| 18:15 | | | | | | leave yard for location |
| 20:30 | | | | | | arrive to location |
| 20:40 | | | | | | tailgate meeting and spot trucks meeting |
| 20:50 | | | | | | spot trucks and rig iron to casing |
| 21:45 | | | | | | pre-job safety meeting |
| 22:20 | 3500 | 0 | 5 | 2 | WATER | pressure test lines to 3500psi |
| 22:25 | 175 | 0 | 5.2 | 20 | WATER | pump 20bbls fresh water spacer |
| 22:30 | | | | | CEMENT | batch cement and weigh 12.3ppg |
| 22:32 | 134 | 0 | 4.3 | 3 | CEMENT | start downhole 444bbls @ 12.3ppg |
| 22:42 | 220 | 0 | 5.2 | 50 | CEMENT | rate pressure |
| 22:52 | 221 | 0 | 5.3 | 100 | CEMENT | rate pressure |
| 23:02 | 200 | 0 | 5.3 | 150 | CEMENT | rate pressure |
| 23:11 | 201 | 0 | 5.3 | 200 | CEMENT | rate pressure |
| 23:21 | 190 | 0 | 5.3 | 250 | CEMENT | rate pressure |
| 23:31 | 117 | 0 | 5.3 | 300 | CEMENT | rate pressure |
| 23:40 | 181 | 0 | 5.3 | 350 | CEMENT | rate pressure |
| 23:49 | 190 | 0 | 5.3 | 400 | CEMENT | rate pressure |
| 23:53 | 60 | 0 | 3.8 | 416 | CEMENT | end lead cement start tail cement 26bbls @ 14.2 |
| 23:57 | 78 | 0 | 3.8 | 15 | CEMENT | rate pressure |
| 00:00 | 0 | 0 | 0 | 26 | CEMENT | rate pressure |
| 00:00 | 0 | 0 | 0 | 26 | CEMENT | end cement |
| 00:00 | 0 | 0 | 0 | 0 | WATER | drop top plug |
| 00:05 | 30 | 0 | 7.2 | 5 | WATER | start displacement 155.7bbls |

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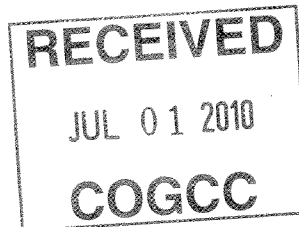
COGCC

CEMENT JOB REPORT



| 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 | 3500 PSI |
| | | | | | | CIRCULATING WELL - RIG | BJ <input type="checkbox"/> |
| 00:10 | 39 | 0 | 7.2 | 30 | WATER | rate pressure | |
| 00:14 | 0 | 0 | 5.2 | 60 | WATER | rate pressure | |
| 00:20 | 9 | 0 | 5.2 | 90 | WATER | rate pressure | |
| 00:25 | 23 | 0 | 5.2 | 120 | WATER | rate pressure | |
| 00:31 | 0 | 0 | 1.8 | 150 | WATER | rate pressure | |
| 00:33 | 583 | 0 | 1.8 | 156 | WATER | bump plug to 583psi hold for 5 minutes | |
| 00:38 | 0 | 0 | 0 | 0 | WATER | bled off pressure float held | |
| 00:40 | 245 | 0 | 2.3 | 4 | WATER | rig over to parasite line pump 20bbls sugar water | |
| 01:00 | 0 | 0 | 0 | 20 | WATER | end water wait 4 hours to start topping out | |

| | | | | | | | |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|--|-------------------------------|
| 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 | 500 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | | 666 | 0 | <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | |



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