

CEMENT JOB REPORT



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|---|----------|-------------------------------------|-------------------------|--|----------------|----------------------------|---------------|---|-------------|--------------------|----------------|--|
| CUSTOMER EOG Resources Inc. | | DATE 12-AUG-10 | F.R. # 1001666303 | SERV. SUPV. RYAN SULLIVAN | | | | | | | | |
| LEASE & WELL NAME CRITTER CREEK #08-14H - API 05123312220000 | | LOCATION 14-11N-63W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # SST-56 | | TYPE OF JOB Surface | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | PHYSICAL SLURRY PROPERTIES | | | | | | | | |
| Cement Plug, Rubber, Top 9-5/8 in | | Centralizer, with Pins, 9-5/8 in | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT ³ | WATER GPS | PUMP TIME HR:MIN | Bbl SLURRY | Bbl MIX WATER | | |
| Float Collar, Auto Fill, 9-5/8 - 8rd | | | | | | | | | | | | |
| MATERIALS FURNISHED BY BJ | | | | - | - | - | - | - | - | - | | |
| Fresh water | | | | 0 | 8.34 | 0 | 0 | 00:00 | 15 | - | | |
| Type III + additives | | | | 628 | 14.5 | 1.40 | 6.82 | 01:30 | 156.79 | 101.95 | | |
| 15 Bbls fresh water then drilling mud | | | | 0 | 8.34 | 0 | 0 | 00:00 | 107.1 | - | | |
| Type III + 2% CaCl on side if needed | | | | 100 | 14.5 | 1.39 | 6.81 | - | 24.76 | 16.22 | | |
| Available Mix Water 250 Bbl. | | Available Displ. Fluid 250 Bbl. | | TOTAL | | | | 303.66 | 118.17 | | | |
| HOLE | | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | | | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE | SHOE | FLOAT | STAGE | | |
| 13.5 | 25 | 1430 | 9.625 | 36 | CSG | 1400 | J-55 | 1425 | 1385 | | 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. |
| 16 | 84 | - | 60 | No packer | | 0 | 0 | 0 | 9.625 | 8RD | WATER BASED MU | 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 | | |
| 107.1 | BBLS | 15 Bbls fresh water th | 8.34 | 439 | 0 | 0 | 0 | 0 | 2816 | 2816 | Rig | |
| Circulation Prior to Job | | | | | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 1 | | | | Circulation Rate: 5 BPM | | | | |
| Mud Density In: 8.4 LBS/GAL | | | | Mud Density Out: 8.4 LBS/GAL | | | | PV & YP Mud In: 0 | | PV & YP Mud Out: 0 | | |
| 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: .5 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 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: 12 | | | | 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 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: 1511 PSI | | | | With 8.4 LBS/GAL Mud | | | | Time Held: 00 Hours 30 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 | | | | | | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None | | | | | | | | | | | | |

CEMENT JOB REPORT



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

None

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

| 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 | 3212 PSI |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> | BJ <input type="checkbox"/> |
| 07:12 | 0 | 0 | 0 | 0 | N/A | Pre-rig up safety meeting | |
| 07:50 | 0 | 0 | 0 | 0 | N/A | Pre-job safety meeting | |
| 08:10 | 1554 | 0 | 0 | 0 | WATER | Low pressure test - Shut-down to fix leak | |
| 08:15 | 1971 | 0 | 0 | 0 | WATER | Low pressure test - Shut-down to fix leak | |
| 08:26 | 1832 | 0 | 0 | 0 | WATER | Low pressure test | |
| 08:27 | 3212 | 0 | 0 | 0 | WATER | High pressure test | |
| 08:29 | 123 | 0 | 7.2 | 15 | WATER | Freshwater | |
| 08:36 | 87 | 0 | 4 | 154 | CEMENT | Batch-up and pump 628 sx of Type III cement + 1% CaCl + .25 lbs/sk Cello Flake @ 14.5 ppg | |
| 09:20 | 0 | 0 | 0 | 0 | WATER | Drop plug | |
| 09:30 | 51 | 0 | 3.6 | 15 | WATER | Displace freshwater | |
| 09:33 | 137 | 0 | 7.1 | 77 | MUD | Displace mud from rig | |
| 09:44 | 368 | 0 | 2.5 | 16 | MUD | Rate change | |
| 09:51 | 535 | 0 | 2.5 | 108 | MUD | Bump plug | |
| 09:51 | 1123 | 0 | 0 | 0 | N/A | Plug down @ 108 bbls | |
| 09:57 | 1511 | 0 | 0 | 0 | MUD | Casing test for 30 minutes | |
| 10:27 | 1485 | 0 | 0 | 0 | N/A | Final casing test pressure | |

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|--|-------------------------------|---|---------------------------------------|--------------------------------|----------------------------|---|-----------------------------------|
| BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | PSI TO BUMP PLUG 535 | TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 12 | TOTAL BBL. PUMPED 277 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Service Supervisor Signature: |
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John J. Turner

