

CEMENT JOB REPORT



| | | | | | | | | |
|---|-----------------|--|-------------|--|-----------------------|--|--------------------|--------------------|
| CUSTOMER PETERSON ENERGY MANAGI | | DATE 21-DEC-11 | | F.R. # 1001876152 | | SERV. SUPV. RYAN SULLIVAN | | |
| LEASE & WELL NAME 392 VENTURES #21-22D - API 05123339990000 | | LOCATION 22-6N-67W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # ENSGN 55 | | TYPE OF JOB Surface | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | MECHANICAL BARRIERS | | MD TVD HANGER TYPES MD TVD | | |
| Cement Plug, Wooden, Top 8-5/8 in | | Cement Basket, Slip On, 8-5/8 in | | | | | | |
| | | Centralizer, with Pins, 8-5/8 in | | | | | | |
| | | Guide Shoe, Texas-Notched 8-5/8 in | | | | | | |
| MATERIALS FURNISHED BY BJ | | LAB REPORT NO. | | PHYSICAL SLURRY PROPERTIES | | | | |
| | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | WATER GPS | |
| Fresh Water | | | | 0 | 8.34 | 0 | 0 | |
| Fresh Water + Dye | | | | 0 | 8.34 | 0 | 0 | |
| Type III+1.5%CaCl+.15#/skCF | | | | 260 | 14.5 | 1.41 | 6.82 | |
| Fresh Water | | | | 0 | 8.34 | 0 | 0 | |
| Type III | | | | 0 | 14.5 | 1.41 | 6.82 | |
| Available Mix Water 200 Bbl. | | Available Displ. Fluid 200 Bbl. | | TOTAL | | 171.5 74.80 | | |
| HOLE | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | |
| SIZE | % EXCESS | DEPTH | ID | OD | WGT. | TYPE | MD | TVD |
| 12.25 | 60 | 468 | 8.097 | 8.625 | 24 | CSG | 458 | 458 |
| | | | | | | GRADE | SHOE | FLOAT |
| | | | | | | J-55 | 458 | 413 |
| | | | | | | STAGE | 0 | |
| LAST CASING | | PKR-CMT RET-BR PL-LINER | | PERF. DEPTH | | TOP CONN | | WELL FLUID |
| ID | OD | WGT | TYPE | MD | TVD | BRAND & TYPE | DEPTH | TOP |
| | | | | | | No packer | 0 | |
| | | | | | | BTM | SIZE | THREAD |
| | | | | | | | 8.625 | 8RD |
| | | | | | | WATER BASED | 9 | |
| DISPL. VOLUME | | DISPL. FLUID | | CAL. PSI | CAL. MAX PSI | OP. MAX | MAX TBG PSI | MAX CSG PSI |
| VOLUME | UOM | TYPE | WGT. | BUMP PLUG | TO REV. | SQ. PSI | RATED | Operator |
| 26 | BBLS | Fresh Water | 8.34 | 131 | 0 | 0 | 0 | 0 |
| | | | | | | Operator | RATED | Operator |
| | | | | | | | 2360 | 1000 |
| | | | | | | MIX WATER | | |
| | | | | | | Rig | | |
| Circulation Prior to Job | | | | | | | | |
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: .5 | | Circulation Rate: 4 BPM | | |
| Mud Density In: 9 LBS/GAL Mud Density Out: 9 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: .1 BBLS | | | | |
| Returns During Job: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> PARTIAL <input 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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | | Quantity: 5 | | 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: 0 PSI With 0 LBS/GAL Mud | | | | Time Held: 00 Hours 00 Minutes | | | | |
| EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Hole was packing off w/ gravel, rig had to trip in w/ drill pipe to cl | | | | | | | | |

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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 | |

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
Rig had to trip in w/ drill pipe to condition hole before running casing.

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
Did not get cement to surface after primary cement job. Did 6 subsequent top-out jobs w/ 14.5# cement & 2% CaCl to get cement to surface.

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

can hole before running casing.

| 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 | 3248 PSI |
| | | | | | | CIRCULATING WELL - RIG | <input checked="" type="checkbox"/> BJ <input type="checkbox"/> |
| 01:30 | 0 | 0 | 0 | 0 | N/A | Yard call | |
| 04:36 | 0 | 0 | 0 | 0 | N/A | Arrive on location, 38 miles, drill pipe still in the hole. Rig to condition hole before running casing. | |
| 14:00 | 0 | 0 | 0 | 0 | N/A | Spot trucks on location, pre-rig up safety meeting | |
| 14:55 | 0 | 0 | 0 | 0 | N/A | Pre-job safety meeting - per customer, baffle was was not used, will plan to leave 45' cement for shoe | |
| 15:12 | 1530 | 0 | 0 | 0 | WATER | Low pressure test | |
| 15:13 | 3248 | 0 | 0 | 0 | WATER | High pressure test | |
| 15:15 | 136 | 0 | 4.8 | 20 | WATER | Freshwater | |
| 15:20 | 125 | 0 | 4.8 | 10 | WATER | Dyed water spacer | |
| 15:24 | 99 | 0 | 4.7 | 66 | CEMENT | Batch-up, weigh, & pump 260 sx of Type III + 0.08 lb/sk Static Free + 1.5% CaCl + 0.15 lbs/sk Cello Flake @ 14.5 ppg | |
| 15:43 | 0 | 0 | 0 | 0 | N/A | Release plug | |
| 15:46 | 132 | 0 | 4.7 | 21 | WATER | Displace | |
| 15:50 | 133 | 0 | 2.4 | 4.5 | WATER | Rate change | |
| 15:53 | 110 | 0 | 2.4 | 25.5 | WATER | Shut-down, shut-in pressure at cement manifold, no cement returns to surface, preparing to rig-up 1" tubing for top-out | |
| 16:05 | 0 | 0 | 0 | 0 | N/A | Start rigging up for top-out | |
| 16:47 | 104 | 0 | 1.4 | 4.5 | CEMENT | Batch-up & pump Type III @ 14.5 ppg w/ 2% CaCl for top-out | |
| 16:58 | 101 | 0 | 1.8 | 6 | CEMENT | Batch-up & pump Type III @ 14.5 ppg w/ 2% CaCl for top-out | |
| 17:05 | 100 | 0 | 1.7 | 5.5 | CEMENT | Batch-up & pump Type III @ 14.5 ppg w/ 2% CaCl for top-out | |
| 17:10 | 90 | 0 | 1.7 | 1 | WATER | Displace | |
| 17:41 | 105 | 0 | 1.3 | 5 | CEMENT | Batch-up & pump Type III @ 14.5 ppg w/ 2% CaCl for top-out | |
| 17:47 | 100 | 0 | 1.3 | 4 | CEMENT | Batch-up & pump Type III @ 14.5 ppg w/ 2% CaCl for top-out | |
| 17:50 | 17 | 0 | .8 | 1 | WATER | Displace | |
| 19:52 | 115 | 0 | 4.3 | 6.1 | CEMENT | Batch-up & pump Type III @ 14.5 ppg w/ 2% CaCl for top-out | |
| 19:58 | 10 | 0 | 1.3 | 1.5 | WATER | Displace | |
| 20:40 | 0 | 0 | 0 | 0 | N/A | Cement still at surface, job done, pre-rig down safety meeting | |
| 21:15 | 0 | 0 | 0 | 0 | N/A | Leave location | |
| 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: |
| Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 0 | | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 0 | | 156.1 | 0 | <input type="checkbox"/> Y <input checked="" type="checkbox"/> N | |

X



BJ Services JobMaster Program Version 3.50
Job Number: 1001876152
Customer: Peterson
Well Name: 392 Ventures #21-22D

