

CEMENT JOB REPORT



| | | | | | | | | | | | | | | | |
|--|-----------------|---|--------------------------------|--|-----------------------|----------------------------------|----------------------|---|--------------------|----------------------|------------------|---|--|--|--|
| CUSTOMER Petroleum Development Corpor | | DATE 11-AUG-06 | F.R. # 225130945 | SERV. SUPV. NATHANIEL J WINDHOLZ | | | | | | | | | | | |
| LEASE & WELL NAME NATIONAL HOG FARM 42-17 - API 0512320267000 | | LOCATION SEC 17 - 5 N - 63 W | | COUNTY-PARISH-BLOCK Weld Colorado | | | | | | | | | | | |
| DISTRICT Brighton | | DRILLING CONTRACTOR RIG # W/O | | TYPE OF JOB Squeeze-Top | | | | | | | | | | | |
| SIZE & TYPE OF PLUGS | | LIST-CSG-HARDWARE | | PHYSICAL SLURRY PROPERTIES | | | | | | | | | | | |
| | | | | SACKS OF CEMENT | SLURRY WGT PPG | SLURRY YLD FT³ | 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 | | | | | | |
| Fresh H2O | | | | 0 | 8.34 | 0 | 0 | 00:00 | 8 | | | | | | |
| Premium Lite Cement + addiitves | | | | 320 | 11 | 3.31 | 20.43 | 06:00 | 188.65 | 155.64 | | | | | |
| Class "G" + Additives | | | | 60 | 15.8 | 1.15 | 4.99 | 02:30 | 12.27 | 7.13 | | | | | |
| Available Mix Water <u>250</u> Bbl. | | Available Displ. Fluid <u>250</u> Bbl. | | TOTAL | | | | <u>228.92</u> | <u>162.77</u> | | | | | | |
| HOLE | | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | | | | | | |
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE | SHOE | FLOAT | STAGE | | | | | |
| 8.5 | 0 | 4020 | 4.5 | 10.5 | CSG | 4020 | M-75 | | | | | | | | |
| 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. | | | |
| 8.625 | 24 | CSG | 400 | NO PACKER | | 0 | 0 | 0 | 1.25 | 8RD | WATER BASED MU | 9.4 | | | |
| 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 | | | |
| 8 | BBLS | Fresh H2O | | 8.34 | 0 | 0 | 0 | 3000 | 2500 | 0 | 0 | FRAK TANK | | | |
| Circulation Prior to Job | | | | | | | | | | | | | | | |
| Circulated Well: Rig <input type="checkbox"/> BJ <input type="checkbox"/> | | | | Circulation Time: 0 | | | | Circulation Rate: 0 BPM | | | | | | | |
| Mud Density In: 0 LBS/GAL | | | | Mud Density Out: 0 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: .6 BBLS | | | | | | | | | | | |
| Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL | | | | Method Used to Verify Returns: EYE | | | | | | | | | | | |
| 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 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 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 | | | | | | | |
| 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)

N/A

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)

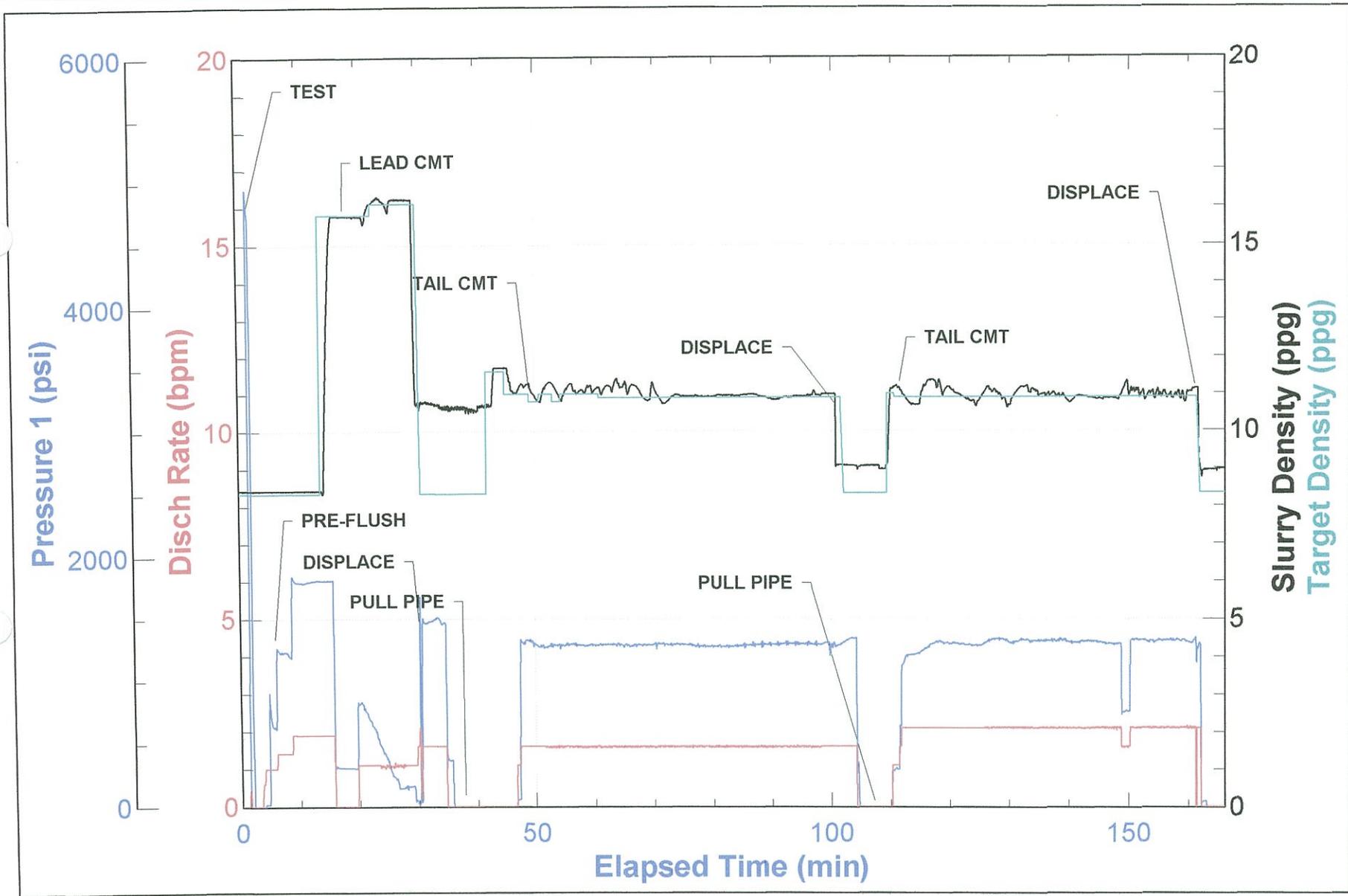
N/A

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)

N/A

| 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 type="checkbox"/> | |
| | PIPE | ANNULUS | | | | TEST LINES | 4000 PSI |
| | | | | | | CIRCULATING WELL - RIG <input type="checkbox"/> | BJ <input type="checkbox"/> |
| 08:43 | 4000 | 0 | 0 | 0 | H2O | TEST | |
| 08:45 | 1860 | 0 | 1.9 | 20 | H2O | PRE-FLUSH CT3C | |
| 08:50 | 400 | 0 | 1.1 | 12 | CMT | BATCH UP AND PUMP 60 SKS G + R-3 @ 15.8 PPG | |
| 09:10 | 1536 | 0 | 1.6 | 8 | H2O | DISPLACE | |
| 09:20 | 0 | 0 | 0 | 0 | N/A | PULL PIPE | |
| 09:30 | 1330 | 0 | 1.6 | 88 | CMT | BATCH UP AND PUMP 160 SKS PLC + ADDS @ 11 PPG | |
| 10:20 | 1300 | 0 | 1.6 | 7 | H2O | DISPLACE | |
| 10:30 | 0 | 0 | 0 | 0 | N/A | PULL PIPE | |
| 11:12 | 1300 | 0 | 2.1 | 108 | CMT | BATCH UP AND PUMP 160 SKS PLC + ADDS @ 11 PPG | |
| 12:00 | 1300 | 0 | 2.1 | 2 | H2O | DISPLACE | |

| | | | | | | | |
|--|------------------------|--|---------------------------------|-------------------------|-----------------------|--|-------------------------------|
| 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"/> | 5 | 237 | 0 | Y <input type="checkbox"/> N <input checked="" type="checkbox"/> | |



BJ Services Company



| | | | | | | | | | | | |
|---|-----------|--|--------------|--|--|--------------------------------|--|--|--|-------------------|--|
| CUSTOMER (COMPANY NAME) Petroleum Development Corporat | | | | CREDIT APPROVAL NO. A22511000377 | | PURCHASE ORDER NO. | | CUSTOMER NUMBER 20000409 - 00201154 | | INVOICE NUMBER | |
| MAIL INVOICE TO : | | STREET OR BOX NUMBER 3801 Carson | | | | CITY Evans | | STATE Colorado | | ZIP CODE 80620 | |
| DATE WORK COMPLETED | MO. 08 | DAY 11 | YEAR 2006 | BJ SERVICES SUPERVISOR NATHANIEL J WINDHOLZ | | WELL API NO: 05123202670000 | | WELL TYPE : Old Well | | | |
| BJ SERVICES DISTRICT Brighton | | | | JOB DEPTH (ft) 3,982 | | WELL CLASS : Gas | | | | | |
| WELL NAME AND NUMBER NATIONAL HOG FARM 42-17 | | | | TD WELL DEPTH (ft) 4,020 | | GAS USED ON JOB : No Gas | | | | | |
| WELL LOCATION : | | LEGAL DESCRIPTION SEC 17 - 5 N - 63 W | | COUNTY/PARISH Weld | | STATE Colorado | | JOB TYPE CODE : Squeeze-Top | | | |

| PRODUCT CODE | DESCRIPTION | UNIT OF MEASURE | QUANTITY | LIST PRICE UNIT | GROSS AMOUNT | PERCENT DISC. | NET AMOUNT |
|--------------|----------------------------------|-----------------|----------|-----------------|--------------|---------------|------------|
| 100021 | Class G Cement | sacks | 60 | 24.450 | 1,467.00 | 43% | 836.19 |
| 100120 | Bentonite | lbs | 2784 | 0.420 | 1,169.28 | 43% | 666.49 |
| 100275 | Sodium Metasilicate | lbs | 418 | 3.320 | 1,387.76 | 43% | 791.02 |
| 100283 | R-3 | lbs | 6 | 2.980 | 17.88 | 43% | 10.19 |
| 398224 | Premium Lite Cement | sacks | 320 | 19.800 | 6,336.00 | 43% | 3,611.52 |
| 488137 | Claytreat 3C | gals | 1 | 111.250 | 111.25 | | 111.25 |
| 488230 | CSE | lbs | 1600 | 1.360 | 2,176.00 | 43% | 1,240.32 |
| | SUB-TOTAL FOR Product Material | | | | 12,665.17 | 42.62% | 7,266.98 |
| A152 | Personnel Surcharge - Cement Svc | ea | 1 | 145.500 | 145.50 | 0% | 145.50 |
| M100 | Bulk Materials Service Charge | cu ft | 482 | 3.410 | 1,643.62 | 43% | 936.86 |
| | SUB-TOTAL FOR Service Charges | | | | 1,789.12 | 39.50% | 1,082.36 |

| | | | | | | |
|--|-----------|-----------|--------------|---------------|--|---|
| ARRIVE LOCATION : | MO. 08 | DAY 11 | YEAR 2006 | TIME 07:20 | SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER. | SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER. |
| CUSTOMER REP. BRUCE KELSCH | | | | | X CUSTOMER AUTHORIZED AGENT | |
| SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS | | | | | X BJ SERVICES APPROVED | |
| CUSTOMER AUTHORIZED AGENT | | | | | | |