

CEMENT JOB REPORT



| | | | | | | | | | | |
|---------------------------------------------------------------------|--|--|-----------------------------------------------|--|--------------------------|---------------------------------------------|-----------------------------------------|--|--|--|
| CUSTOMER Petroleum Development Corp 01 | | | DATE 05-FEB-11 | | F.R. # 1001757492 | | SERV. SUPV. CHRISTOPHER M MCKEON | | | |
| LEASE & WELL NAME ERICKSON #34-4 - API 05123223460000 | | | LOCATION Sec.4 - T6N - R64W | | | COUNTY-PARISH-BLOCK Weld Colorado | | | | |
| DISTRICT Brighton | | | DRILLING CONTRACTOR RIG # Work-Over | | | TYPE OF JOB Long String | | | | |

| SIZE & TYPE OF PLUGS | LIST-CSG-HARDWARE | PHYSICAL SLURRY PROPERTIES | | | | | | |
|--------------------------------------------------------------|-------------------|----------------------------|----------------|----------------------------|-----------|------------------|------------|---------------|
| | No Shoe | 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 | | 0 | 8.34 | 0 | 0 | 00:00 | 10 | |
| Premium Lite Cement + Adds | | 260 | 11 | 3.22 | 19.86 | 04:00 | 149.1 | 123.08 |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 00:00 | 1 | |
| Mud Clean II | | 0 | 8.43 | 0 | 0 | 00:00 | 10 | |
| Fresh Water | | 0 | 8.34 | 0 | 0 | 00:00 | 10 | |
| Available Mix Water 260 Bbl. Available Displ. Fluid 260 Bbl. | | TOTAL | | | | | 180.1 | 123.08 |

| HOLE | | | TBG-CSG-D.P. | | | | COLLAR DEPTHS | | | |
|------|----------|-------|--------------|------|------|-------|---------------|------|-------|-------|
| SIZE | % EXCESS | DEPTH | SIZE | WGT. | TYPE | DEPTH | GRADE | SHOE | FLOAT | STAGE |
| 9 | 0 | 2600 | 4.5 | 11.6 | CSG | 2613 | N-80 | 0 | 0 | 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. |
| 8.625 | 24 | CSG | 453 | No packer | 0 | 0 | 0 | 2.875 | 8RD | WATER BASED ML | 9.2 |

| 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 | |
| 1 | BBLS | Fresh Water | 8.34 | 0 | 0 | 0 | 12888 | 4000 | 6224 | 4000 | Transport |

Circulation Prior to Job

| | | | | | | |
|-----------------------------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------|--|---------------------------|--|
| Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | | | Circulation Time: 3 | | Circulation Rate: 1.5 BPM | |
| Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 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: 0 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 checked="" type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE | | | | | |
| Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES | | | Quantity: 0 | | 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 checked="" 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 | |

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

NA

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

NA

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

NA

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 5318 PSI | |
| | | | | | | CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/> | |
| 12:00 | 0 | 0 | 0 | 0 | NA | Pre rig up safety meeting | |
| 12:30 | 0 | 0 | 0 | 0 | NA | Pre job safety meeting | |
| 12:34 | 2165 | 0 | 0 | 0 | H2O | Low pressure test C103 pumps and line. | |
| 12:35 | 5318 | 0 | 0 | 0 | H2O | High pressure test C103 pumps and line. | |
| 12:37 | 1723 | 0 | 2.1 | 10 | H2O | Fresh water spacer | |
| 12:41 | 1744 | 0 | 2.1 | 10 | H2O | Mud clean II | |
| 12:47 | 1702 | 0 | 2.1 | 10 | H2O | Fresh water spacer | |
| 12:52 | 1993 | 0 | 2.1 | 120 | CMT | Batch up and pump 260 sx. PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11.0 ppg. | |
| 13:50 | 1495 | 0 | 1.6 | 1 | H2O | Displacement | |
| 13:51 | 0 | 0 | 0 | 0 | NA | Shut down/ wash up | |
| 13:52 | 0 | 0 | 0 | 0 | NA | Rig down safety meeting | |
| BUMPED PLUG Y <input checked="" type="checkbox"/> N | PSI TO BUMP PLUG 0 | TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N | BBL.CMT RETURNS/ REVERSED 5 | TOTAL BBL. PUMPED 151 | PSI LEFT ON CSG 0 | SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N | Service Supervisor Signature: |

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