

FIELD TICKET

Client MERIT ENERGY COMPANY

Well HMU 403W

Job Description Surface

Date December 10, 2017

Field Ticket # FT-01709-H5Y1F10202-75846



Field Ticket # FT-01709-H5Y1F10202-75846

Credit Approval #

Client MERIT ENERGY COMPANY

Purchase Approval #

PO BOX 1293, LIBERAL, 67905-1293

Invoice #

Field Rep ALDO ESPINOZA

Well HMU 403W

Field Client Rep RODNEY GONZALES

Well API # 15-055-22472

District Liberal, KS

Well Type

Job Type Surface

Well Classification

Job Depth (ft) 1,832.00

County USA

Gas Used On Job No

State/Province KS

Field

Lease

Cementing Treatment



| | | | |
|----------------------------------|----------|------------------------------------|--------|
| Bump Plug Pressure (psi) | 1,000.00 | Total Volume Pumped (bbis) | 385.00 |
| Were Returned Planned at Surface | Yes | Top Out Cement Spotted | No |
| Cement returns During Job | Full | Lost Circulation During Cement Job | No |

CEMENT PLUG

| | | | |
|------------------------|----|-------------------|----|
| Bottom of Cement Plug? | No | Wiper Balls Used? | No |
| Wiper Ball Quantity | | Plug Catcher | No |
| Number of Plugs | | | |

SQUEEZE

| | |
|---------------------------------|---------------------|
| Injection Rate (bpm) | Fluid Density (ppg) |
| Injection Pressure (psi) | ISIP (psi) |
| Type of Squeeze | FSIP (psi) |
| Operators Max SQ Pressure (psi) | |

COMMENTS

Treatment Report

Job Summary

PRESSURE TEST LINES 2000 PSI
510 SK /230 BBL LEAD CEMENT @ 12.1 #
175 SK /40 BBL TAIL CEMENT @ 15.2 #
RELEASE PRE-LOADED PLUG
DISPLACE 114 BBL H2O
BUMP PLUG 500 PSI OVER
CIRCULATE 80 BBL OF CEMENT BACK TO SURFACE

FIELD TICKET

ENERGY COMPANY



Longstring Cement

Field Ticket # FT-01851-H8YDN10202-66750

YDN10202-66750

Credit Approval #

ENERGY COMPANY

Purchase Approval #

PO BOX 1293, LIBERAL, 67905-1293

Invoice #

Field Rep Aldo Espinoza Galindo

Well

HMU 403W

Field Client Rep RODNEY GONZALES

Well API #

15-055-22472

District Liberal, KS

Well Type

Job Type Long String

Well Classification

Job Depth (ft) 4,953

County

USA

Gas Used On Job No

State/Province

KS

Field

Lease

Cementing Treatment



| | | Returned/Reversed | |
|---------------------------------------|--------|------------------------------------|--------|
| Calculated Displacement Volume (bbls) | 114.00 | Method Used to Verify Returns | Visual |
| Actual Displacement Volume (bbls) | 114.00 | Amount of Spacer to Surface | |
| Did Float Hold? | Yes | Pressure Left on Casing (psi) | 0.00 |
| Bump Plug | Yes | Amount Bled Back After Job | 1.00 |
| Bump Plug Pressure (psi) | 900.00 | Total Volume Pumped (bbls) | 318.00 |
| Were Returns Planned at Surface | No | Top Out Cement Spotted | No |
| Cement returns During Job | | Lost Circulation During Cement Job | No |

CEMENT PLUG

| | | | |
|------------------------|----|-------------------|----|
| Bottom of Cement Plug? | No | Wiper Balls Used? | No |
| Wiper Ball Quantity | | Plug Catcher | No |
| Number of Plugs | | | |

SQUEEZE

| | | | |
|---------------------------------|--|---------------------|--|
| Injection Rate (bpm) | | Fluid Density (ppg) | |
| Injection Pressure (psi) | | ISIP (psi) | |
| Type of Squeeze | | FSIP (psi) | |
| Operators Max SQ Pressure (psi) | | | |

COMMENTS

Treatment Report

Single Slurry - 120 sx Class A / HPOZ 10% NaCL, 6% gypsum seal 5# sx / coal seal
 1/4 # / sx Flow Seal. 2 # / sx Defoamer: Slurry wt: 13.6 ppg, yield 1.9 cf / sx. 35% ex
 Production String Cement: 110 sx CLASS A, 10% NaCL, 6% gypsum
 RTI / MTH wt h 50sx
Job Summary

SET FLOAT EQUIPMENT AND STAGE TOOL
 PUMP 12 BBL HIVIS SWEEP
 33 BBL CLASS H SLURRY
 WASH TO PIT

Cementing Treatment



DISPLACE 20 BBL H2O- 94 BBL MUD
BUMP PLUG, DROP OPENING TOOL
OPEN TOOL AT 1000 PSI
CIRCULATE PRIOR SECOND STAGE

12 BBL HIVIS SWEEP
CEMENT RAT & MOUSE
36 BBL CLASS A SLURRY AT 13.6 #
WASH TO PIT
DISPLACE 96.7 BBL H2O
BUMP PLUG 1500 PSI OVER
DONE