

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 948

| | | | | | | | | | | | | | | | |
|------|---------|------|----|------|----|-------|----|--------|-----------|-------|----|-------------|--|--------|---------|
| Date | 9-14-18 | Sec. | 23 | Twp. | 17 | Range | 19 | County | Ellsworth | State | KS | On Location | | Finish | 7:00 AM |
|------|---------|------|----|------|----|-------|----|--------|-----------|-------|----|-------------|--|--------|---------|

Lease PCR Well No. 1-23 Location Bushton Gas plant - 3E to 11 Rd, Owner 3N, E/Into

Contractor Discovery #4 To Quality Oilwell Cementing, Inc.
Type Job Surface You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4" T.D. 473' Charge To American ~~Oil~~ Oil
Csg. 8 3/8" Depth 473' Street _____

Tbg. Size _____ Depth _____ City _____ State _____
Tool _____ Depth _____

Cement Left in Csg. 15' Shoe Joint 15' The above was done to satisfaction and supervision of owner agent or contractor.
Cement Amount Ordered 220 80/20 3 1/2 CC 2 1/2 Gel

Meas Line _____ Displace 29 BUS

EQUIPMENT

| | | | | | | |
|---------|-------------|-----|--------|--------------|----------|------------|
| Pumptrk | 16 | No. | Cement | | Common | <u>176</u> |
| | | | Helper | <u>David</u> | Poz. Mix | <u>44</u> |
| Bulktrk | 15 | No. | Driver | <u>Doug</u> | Gel. | <u>5</u> |
| | | | Driver | <u>Rick</u> | Calcium | <u>8</u> |
| Bulktrk | <u>p.u.</u> | No. | Driver | | | |

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole _____ Hulls _____
 Mouse Hole _____ Salt _____
 Centralizers _____ Flowseal _____
 Baskets _____ Kol-Seal _____
 D/V or Port Collar _____ Mud CLR 48 _____
 _____ CFL-117 or CD110 CAF 38 _____
 _____ Sand _____
 _____ Handling 233 _____
 _____ Mileage _____

FLOAT EQUIPMENT

Guide Shoe _____
 Centralizer _____
 Baskets _____
 AFU Inserts _____
 Float Shoe _____
 Latch Down _____

Pumptrk Charge Surface
 Mileage 380

X Signature [Handwritten Signature]

Tax _____
 Discount _____
 Total Charge _____

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No. 1101

| | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------|------|------------|--------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|------|-------|----|-------------|--|--------|---------|
| Date | 9-18-18 | Sec. | 23 | Twp. | 17 | Range | 9 | County | Rice | State | Ks | On Location | | Finish | 8:00 PM |
| Lease | PCR | | Well No. | 1-23 | | Owner | E/into | | | | | | | | |
| Contractor | Discovery #4 | | | | | To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. | | | | | | | | | |
| Type Job | Longstring | | | | | Charge To American oil | | | | | | | | | |
| Hole Size | 7 7/8" | | T.D. | 3290' | | Street | | | | | | | | | |
| Csg. | 5 1/2" New 15.50# | | Depth | 3291' | | City | | | | | | | | | |
| Tbg. Size | | | Depth | | | State | | | | | | | | | |
| Tool | | | Depth | | | The above was done to satisfaction and supervision of owner agent or contractor. | | | | | | | | | |
| Cement Left in Csg. | 37' | | Shoe Joint | 37' | | Cement Amount Ordered 175 Com 10% Salt 5% Gilsenite | | | | | | | | | |
| Meas Line | | | Displace | 77 BLS | | 500 gal mud Clear 48 - 20 BLS KCL | | | | | | | | | |
| EQUIPMENT | | | | | | Common 175 | | | | | | | | | |
| Pumptrk | 17 | No. | Cementer | David | | Poz. Mix | | | | | | | | | |
| Bulktrk | 18 | No. | Driver | Doug | | Gel. | | | | | | | | | |
| Bulktrk | p.u. | No. | Driver | Rick | | Calcium | | | | | | | | | |
| JOB SERVICES & REMARKS | | | | | | Hulls KCL 2 gal | | | | | | | | | |
| Remarks: | | | | | | Salt 15 | | | | | | | | | |
| Rat Hole | | | | | | Flowseal | | | | | | | | | |
| Mouse Hole | | | | | | Kol-Seal 750# | | | | | | | | | |
| Centralizers | 1, 3, 5, 7, 9, 11 | | | | | Mud CLR 48 500 gal | | | | | | | | | |
| Baskets | 1, 3, 5, 7, 9, 11 12 | | | | | CFL-117 or CD110 CAF 38 | | | | | | | | | |
| D/V or Port Collar | pipe on bottom, Break Circulation | | | | | Sand | | | | | | | | | |
| | pump 500 gal mud Clear 48, pump 10 BLS KCL, plug Rathole w/ 305x and mouse hole w/ 155x. Hook to 5 1/2" | | | | | Handling 187 | | | | | | | | | |
| | Casing + mix 1305x Cement. Shut down wash pump + lines. Displaced plug w/ 77 BLS of H2O. 10 BLS of KCL. 67 H2O. | | | | | FLOAT EQUIPMENT | | | | | | | | | |
| | Released + Held. | | | | | Guide Shoe | | | | | | | | | |
| | Lift pressure 600 # | | | | | Centralizer 6 | | | | | | | | | |
| | Land plug to 1500 # | | | | | Baskets 1 | | | | | | | | | |
| | | | | | | AFU Inserts | | | | | | | | | |
| | | | | | | Float Shoe 1 | | | | | | | | | |
| | | | | | | Latch Down 1 | | | | | | | | | |
| | | | | | | Rotating Head | | | | | | | | | |
| | | | | | | Pumptrk Charge proof string | | | | | | | | | |
| | | | | | | Mileage 38 | | | | | | | | | |
| | | | | | | Tax | | | | | | | | | |
| | | | | | | Discount | | | | | | | | | |
| | | | | | | Total Charge | | | | | | | | | |
| Signature: <i>John Smith</i> | | | | | | | | | | | | | | | |