

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. 7338

| | | | | | | | | | | | | | | | |
|-----------------------------------|--------------|------|----------|------------|------------|-------|----|--------------------------------------|--|-------|----|-------------|--|--------|-----------|
| Date | 2-10-17 | Sec. | 12 | Twp. | 12 | Range | 32 | County | Logan | State | KS | On Location | | Finish | 3:30 p.m. |
| Location | | | | | | | | Campus + I-70 Col's Rd W 4 W 1/2 N | | | | | | | |
| Lease | Engel-Boyd | | | Well No. | 1-12 | | | Owner | 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. | | | | | | |
| Contractor | Discover #1 | | | Top Stage | | | | Charge To | King Oil Operations | | | | | | |
| Type Job | DU JOB | | | Hole Size | 7 7/8 | | | T.D. | 4200 | | | | | | |
| Csg. | 5 1/2 15.50# | | | Depth | 4697 | | | | | | | | | | |
| Tbg. Size | | | | Depth | | | | | | | | | | | |
| Tool | DU Tool #53 | | | Depth | 2504 | | | | | | | | | | |
| Cement Left in Csg. | | | | Shoe Joint | | | | | | | | | | | |
| Meas Line | | | | Displace | 59 1/2 BBL | | | | | | | | | | |
| EQUIPMENT | | | | | | | | Common | 275 | | | | | | |
| Pumptrk | 5 | No. | Cementer | Craig | | | | Poz. Mix | 185 | | | | | | |
| | | | Helper | Brett | | | | Gel. | 12 | | | | | | |
| Bulktrk | | No. | Driver | Doug | | | | Calcium | 800# | | | | | | |
| Bulktrk | 19 | No. | Driver | Doug | | | | Hulls | | | | | | | |
| JOB SERVICES & REMARKS | | | | | | | | Remarks: Salt Sodium Misicalate 800# | | | | | | | |
| Rat Hole | | | | | | | | 30 | | | | | | | |
| Mouse Hole | | | | | | | | 15 | | | | | | | |
| Centralizers | | | | | | | | Mud CLR 48 | | | | | | | |
| Baskets | | | | | | | | CFL-117 or CD110 CAF 38 | | | | | | | |
| D/V or Port Collar | | | | | | | | Sand | | | | | | | |
| Plug Rathole | | | | | | | | Marschale Cement | | | | | | | |
| 5 1/2 with 415 SK & Displace | | | | | | | | Handling 496 | | | | | | | |
| Plug | | | | | | | | Mileage | | | | | | | |
| Cement Circulated! | | | | | | | | FLOAT EQUIPMENT | | | | | | | |
| Plus Tank @ 1500# | | | | | | | | Guide Shoe | | | | | | | |
| | | | | | | | | Centralizer | | | | | | | |
| | | | | | | | | Baskets | | | | | | | |
| | | | | | | | | AFU Inserts | | | | | | | |
| | | | | | | | | Float Shoe | | | | | | | |
| | | | | | | | | Latch Down | | | | | | | |
| | | | | | | | | Pumptrk Charge | | | | | | | |
| | | | | | | | | prod string Top Stage | | | | | | | |
| | | | | | | | | Mileage 15 | | | | | | | |
| | | | | | | | | Tax | | | | | | | |
| | | | | | | | | Discount | | | | | | | |
| | | | | | | | | Total Charge | | | | | | | |
| Signature | | | | | | | | Cliff Maffett | | | | | | | |

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|------|---------|------|----|------|----|-------|----|--------|-------|-------|----|-------------|--|--------|--------|
| Date | 2-10-17 | Sec. | 12 | Twp. | 12 | Range | 32 | County | Logan | State | KS | On Location | | Finish | 2:30pm |
|------|---------|------|----|------|----|-------|----|--------|-------|-------|----|-------------|--|--------|--------|

Lease Engel-Boyd Well No. 1-12 Location Camp 5 + I-70 6 1/2 S R2W 4W 1/2 N

Contractor Discovery #1 Owner To Quality Oilwell Cementing, Inc.
Type Job DV Job 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 7 7/8 T.D. 4700 Charge To King Oil Operations
Csg. 5 1/2 1550 Depth 4697 Street

Tbg. Size Depth City State

Tool DV Tool #53 Depth 2504 The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 37.84 Shoe Joint 37.84 Cement Amount Ordered 200 80/20 p/salt 5-1.6 Gilsonite

Meas Line Displace 111 BL 500 gal muck

EQUIPMENT

| | | | | | |
|---------|----|-----|---------------|----------|-----|
| Pumptrk | 5 | No. | Cement Helper | Common | 160 |
| Bulktrk | 15 | No. | Driver | Poz. Mix | 40 |
| Bulktrk | 19 | No. | Driver | Gel. | |
| | | | Driver | Calcium | |

JOB SERVICES & REMARKS

| | |
|--------------------|-------------------------|
| Remarks: | Hulls |
| Rat Hole | Salt 17 |
| Mouse Hole | Flowseal |
| Centralizers | Kol-Seal 1000 # |
| Baskets | Mud CLR 48 500 gal |
| D/V or Port Collar | CFL-117 or CD110 CAF 38 |

5 1/2 size @ 4697 Insert - 4659
Est. Circulation - Mit 200 SK + Displace
Plug. Displace 45 BL water - 54 BL
mod + 12 BL water to land plug
Plug landed @ 1500 #
Leak pressure 900 #

| | |
|----------|-----|
| Handling | 227 |
| Mileage | |

FLOAT EQUIPMENT 5 1/2

| | |
|-------------|---------|
| Guide Shoe | |
| Centralizer | 8 |
| Baskets | 4 |
| AEI Inserts | DV Tool |
| Float Shoe | 1 |
| Latch Down | 1 |

Pumptrk Charge prod string Bottom Stage
Mileage 15

X Signature Cliff Mayfield

| | |
|--------------|--|
| Tax | |
| Discount | |
| Total Charge | |