STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5252
Name: R P NIXON OPERATIONS INC
Address: 207 W 12TH
City/State/Zip: HAYS KS 67601
Purchaser: CLEAR CREEK INC
Operator Contact Person: DAN A NIXON
Phone: (913) 628-3834
Contractor: Name: WESTERN KANSAS DRILLING
License: 4083
Wellsite Geologist: DAN A NIXON

Designate Type of Completion
X New Well  Re-Entry  Workover

X Oil  SWD  Temp. Abd.
Gas  Inj  Delayed Comp.
Dry  Other (Core, Water Supply, etc.)

If Complete old well info as follows:
Operator: 
Well Name: 
Comp. Date ________ Old Total Depth ________

Drilling Method:
X Mud Rotary  Air Rotary  Cable

11-1-90  11-6-90  11-29-90
Spud Date  Date Reached TD  Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado
Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and
82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in
writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all
wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4
form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or
conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied
with and the statements herein are complete and correct to the best of my knowledge.

Signature
Title  SECRETARY-TREASURER  Date 12-21-90
Subscribed and sworn to before me this 21ST day of DECEMBER, 1990.
Notary Public
Date Commission Expires

K.C.C. OFFICE USE ONLY
F  Letter of Confidentiality Attached
C  Wireline Log Received
C  Drillers Timelog Received

Distribution
KCC  SWD/Rep  NGPA
KGS  Plug  Other
(Specify)

Form ACO-1 (7-89)
S/2 N/2 NW  □ East
Sec. 20  □ Twp. 4S  □ Rge. 18  □ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken
(Attach Additional Sheets.)
□ Yes  □ No

Samples Sent to Geological Survey
□ Yes  □ No

Cores Taken
□ Yes  □ No

Electric Log Run
(Submit Copy.)
□ Yes  □ No

Formation Description
□ Log  □ Sample

Name
Top
Bottom

SEE ATTACHED GEOLOGICAL REPORT

CASING RECORD
□ New  □ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String  Size Hole Drilled  Size Casing Set (In O.D.)  Weight Lbs./Ft.  Setting Depth  Type of Cement  # Sacks Used  Type and Percent Additives
SURFACE  12 1/2"  8 5/8  204  POZMIX  135  60/40 2%gel
PRODUCTION  7 7/8  4 1/2  3380  125sx SURFILL & 500 qals
TOP STAGE  PERFORATED AT  1470  POZMIX  250  50/50 6% gel

PERFORATION RECORD
Shots Per Foot  Specify Footage of Each Interval Perforated  Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)  Depth
1 LF  3198.3183.3161.3122  SHOT OUT ABOVE ZONES
2 gun 2/ft

TUBING RECORD
Size  Set At  Packer At  Liner Run
2 3/8

Date of First Production  12-1-90
Producing Method
□ Flowing  □ Pumping  □ Gas Lift  □ Other (Explain)

Estimated Production
Per 24 Hours
Oil  4.24  Gas  Water  Mcf  Bbls.  Gas-Oil Ratio  Gravity  56.26

Disposition of Gas:
□ Vented  □ Sold  □ Used on Lease
(If vented, submit ACO-18.)
□ Open Hole  □ Perforation  □ Dually Completed  □ Commingled
□ Other (Specify)

METHOD OF COMPLETION

Production Interval

LANSING
KANSAS-CITY
207 W 12th Street
Hays, Kansas 67601

Contractor: Western Kansas Drlg.
Box 126
Hays, Ks. 67601

Elevation: American Elevations
Ground level: 1912'
Rotary bushing: 1917'

Samples: Ten foot samples from 2850' to 3080' and five foot samples from 3080' to 3390' RTD.

Time Log: One foot intervals from 2850' to 3390' RTD. A copy of the time log is included in this report.

Surf. Casing: 8 5/8" @ 204' w/135 sx, 60/40 Pozmix
Prod. Casing: 4 1/2" @ 3380' w/ 125 sx Sure-Fill

Port Collar or DV: None
Spud Date: 11-2-90
Comp. Date: 11-6-90

API #: 15-147-20,525
Lease #: 2375/12
<table>
<thead>
<tr>
<th>FORMATION TOPS:</th>
<th>SAMPLE DEPTH</th>
<th>LOG DEPTH</th>
<th>MINUS DATUM</th>
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<tbody>
<tr>
<td>Anhydrite top (driller's)</td>
<td>1462'</td>
<td>1460'</td>
<td>+457</td>
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<tr>
<td>Anhydrite base &quot;</td>
<td>1494'</td>
<td>1489'</td>
<td>+428</td>
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<tr>
<td>Topeka</td>
<td>2882'</td>
<td>2878'</td>
<td>-961</td>
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<tr>
<td>Heebner Shale</td>
<td>3085'</td>
<td>3080'</td>
<td>-1163</td>
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<tr>
<td>Toronto Lime</td>
<td>3103'</td>
<td>3104'</td>
<td>-1187</td>
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<tr>
<td>Lansing</td>
<td>3120'</td>
<td>3118'</td>
<td>-1201</td>
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<tr>
<td>Base of the Kansas City</td>
<td>3344'</td>
<td>3344'</td>
<td>-1427</td>
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<tr>
<td>Total Depth</td>
<td>3390'</td>
<td>3389'</td>
<td>-1472</td>
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</table>

**SAMPLE ANALYSIS OF ZONES OF INTEREST:** (corrected to the electric log)

- **3120'-3124'**
  - Fine crystalline, fossiliferous, white lime, fair fossil porosity, spotty stain. Very slight show of free oil and odor in wet samples. Calculated 13-15% porosity, 43-52% water on electric log. Test.

- **3159'-3163'**
  - Fine crystalline, fossiliferous, white lime, rare light spotty stain, poor fossil porosity. Slight show of free oil and odor. Calculated 10-12% porosity, 37-50% water on log. Test.

- **3182'-3184'**
  - Bit trip made at 3184'. Representative samples of this zone were not observed due to junky samples after bit trip. Calculated 8% porosity, 34% water on log. Consider testing this zone.

- **3197'-3200'**
  - White, fine crystalline lime, fossiliferous and vuggy with fair vuggy porosity and spotty stain. Trace of saturated stain. Had slight show of free oil and odor. Calculated 9-14% porosity, 36-59% water saturation. Test.

- **3339'-3342'**
  - White, vuggy, fine crystalline lime, slight vuggy porosity, rare light spotty stain. Calculated 11% porosity, 48% water saturation. Caliper indicated good wall cake throughout zone. Consider testing prior to abandoning well.
Structurally, the Lansing top on the #12 Elsie-Jackson ran 1' high to the abandoned producer to the east 1 1/2 locations, the #4 Elsie-Jackson (R.P. Nixon Oper., Inc.) and 4' low to the producer to the northeast approximately 1/4 mile, the #11 Elsie-Jackson (R.P. Nixon Oper., Inc.).

Based on the shows of oil throughout the Lansing/Kansas City, electric log calculations of those shows in the Lansing/Kansas City, and favorable structural position to surrounding production, 4 1/2" casing was cemented at 3380' for further testing.

Respectfully Submitted,

Dan A. Nixon, CPG #3179
<table>
<thead>
<tr>
<th>Depth</th>
<th>Time 1</th>
<th>Time 2</th>
<th>Time 3</th>
<th>Time 4</th>
<th>Time 5</th>
<th>Time 6</th>
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<tbody>
<tr>
<td>2850' - 2900'</td>
<td>1-1-1-3-3</td>
<td>3-3-3-4-3</td>
<td>3-3-3-1-2</td>
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<td>1-1-1-1-1</td>
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<td>2900' - 2950'</td>
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<td>2-1-1-2-4</td>
<td>4-4-4-3-2</td>
<td>2-1-1-2-2</td>
<td>3-3-4-2-4</td>
<td>5-3-2-3-2</td>
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<tr>
<td>2950' - 3000'</td>
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<td>5-5-5-5-5</td>
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<td>6-7-7-7-6</td>
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<td>5-5-5-5-3</td>
<td>4-3-3-3-4</td>
<td>3-4-3-2-3</td>
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<tr>
<td>3350' - 3390'</td>
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<td>1-1-1-1-1</td>
<td>1-1-1-2-1</td>
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<td>3-4-4-3-5</td>
<td>3-4-5-6-6</td>
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3390' RTD CFS 1 hour @ 3390'
#12 ELSIE JACKSON DRILLING REPORT
API#15-147-20,525
S/2 N/2 NW SEC. 20, T4S-R18W
PHILLIPS COUNTY, KANSAS
LSE/WELL#2375/12

11-1-90 Moved in Western Kansas Drilling rotary rig and rigged up. Started drilling under surface.

11-2-90 Drilled 207' of 12 1/2" surface hole and set 197.56' of 8 5/8" surface casing at 204' with 135 sx 60/40 Pozmix 2% gel & 3% cc. Plug down at 12:30 a.m. Started drilling under surface at 8:30 a.m.

11-3-90 Drilling ahead @ 1970' at 7:00 a.m. Anhydrite 1462'-1492'.

11-4-90 Drilling ahead @ 2775' at 7:00 a.m.

11-5-90 Drilling ahead @ 3160' at 7:00 a.m.
Elevation 1917' KB
Heebner 3085'
Toronto 3111'
Lansing 3129' (-1212) Flat with #5 Northwest 2 locations.

11-6-90 Electric Log Tops:
Heebner Shale 3080'
Toronto Lime 3104'
Lansing 3118'
Base KC 3344'
RTD 3390'
Log TD 3389'
The Lansing Kansas City top is 4' low to the #11, 1' high to the #4 and 11' high to the #5. Set 4 1/2" casing @ 3380' with 125 sx surefill and 500 gals of Mudsweep ahead of surefill, plug down @ 2:45 p.m.
#12 ELSIE JACKSON COMPLETION REPORT

API#15-147-20,525

S/2 N/2 NW SEC. 20, T45-S-R18W

PHILLIPS COUNTY, KANSAS

11-20-90 Moved in Jay-Lan Corporation Rig #5 and rigged up. Swabbed hole down to 2800' and shut down.

11-21-90 Ran Gamma Ray Correlation Log by L-K Wireline Inc to TD of 3283'. Perforated Limited Entry shots @ 3198', 3183', 3161' and 3122'. Swabbed hole dry. Acidized with 4000 gals 20% Non E acid and overflushed with 4000 gals salt water @ 10bbl/min @ 1500#'s. Let set 1 1/2 hours. Swabbed hole down and recovered 60 bbls of fluid. Had good show of oil off bottom total load 250 bbls. To let set over Thanksgiving Holiday.

11-26-90 1500' fillup over weekend - 100' of oil. 3 hours to swab down to bottom, 1% to 20% oil. 2 - 1/2 hour tests 8 bbls per hour: 1st 11% oil; 2nd 19% oil. 130 bbls of overflush to recover. Perforated Limited Entry holes with 2' gun loaded 2 shots per foot. Ran retrievable bridge plug to 2868' and set. Pulled tubing from hole. Loaded hole with fresh water. Perforated Anhydrite at 1420'. Shut down for evening.

11-27-90 Ran Halliburton R-4 tension packer to 1550' and tested plug. Plug held 1500#'s psi. Pulled packer to 1380' to cement. Mixed 275 sx 60/40 Pozmix w/6% gel and tailed in with 50 sx of common 3% cc. Cement circulated to surface. Staged for 2 1/2 hours, pulled packer from hole. Ran 3 7/8" bit and drill collars in hole. Shut down for evening.

11-28-90 Ran bit, drill collars and tubing to top of cement (1410'). Mud pump had pistons stuck, power swivel wouldn't start and cellar caved in. Fixed cellar. Solved problems with equipment and started drilling cement @ 11:00 a.m. Had cement drilled out at 2:30 p.m. Circulated hole clean and laid out drill collars, bit and tubing.

11-29-90 Ran catcher (On & Off Tool) to top of plug. Circulated sand & debris off top of plug. Released plug and laid out tubing. Bailed hole clean. Ran tubing, rods and pump.

12-1-90 Put on pump.

12-10-90 Barrel Test: 4.24 bbls of oil & 56.26 of salt water.
**PERFORATION RECORD**

- **Company**: R.P. Nixon Oper.
- **Lease**: Edgar-Jackson #12
- **Pipe Size**: 4 1/2
- **Weight**: Field
- **Sec.**: 20
- **Twp.**: 4
- **Range**: 18
- **Co.**: Phillips
- **State**: KS
- **Engineer**: R.K.C.
- **Operator**: Jim W.

- **Fluid Level**: 2180 TD
- **Operator**: [Signature]

### Collars
- **2885**

### Perforating

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<th>From</th>
<th>To</th>
<th>No. of Shots</th>
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<td>3197</td>
<td>99</td>
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<td>3182</td>
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<td>3160</td>
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<td></td>
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<td></td>
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<tr>
<td>Other</td>
<td></td>
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</table>

**Other**: Dead Hinge Source - Tag Ref. Plug

- **C 1868**

### Plugs

- **Plug @**

**RECEIVED**

- **STATF CORPORATION COMMISSION**
  - **Wichita, Kansas**
**ACCOUNT NO.**

**RECEIVED**

**DEC 27 1990**

**CONSERVATION DIVISION**
Wichita, Kansas

**PAY THIS AMOUNT**
<table>
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<tr>
<th>PRICE BOOK</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>UNIT PRICE</th>
<th>QM</th>
<th>PRICE EXTENSION</th>
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<td>Net As per bid</td>
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CUSTOMER: R.P. Nixon & Co., Inc.

STATE CORPORATION COMMISSION
Wichita, Kansas

Received by:

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

WELL OWNER, OPERATOR, CONTRACTOR OR AGENT

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.
# Service Operations Contract

**Date**: 11-1-90  
**Contract No.**: 627586  
**Terms**: Net 30 days from date of contract

<table>
<thead>
<tr>
<th>Stage No.</th>
<th>Job Code</th>
<th>Working Depth</th>
<th>Pumping Equipment</th>
<th>Employees on Job</th>
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<tr>
<td>1</td>
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<td>267 FT</td>
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**Revenue Equipment (Unit Numbers)**

- BSW 2039  
- BSW 2035  
- 406  
- 0  
- 40  
- 7292  
- 1    

**Employees on Job (Employee Number)**

- Koemna  
- Rudie  
- Leikom

**Blends**

- Cement [ ]  
- Frac [ ]  
- Acid [ ]  
- Sand, Control [ ]

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

**Contract Conditions**: This contract must be signed before the job is commenced or merchandise is delivered.

**Price Book**: Ref. 01  
**SIGNED**:  
**WELL OWNER, OPERATOR, CONTRACT OR AGENT**

**Price Book Reference**

<table>
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<td>Hauling 6.3 Tons 45 mi</td>
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<td>Tm</td>
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**Service Representative**:  
**Price**: 1746.65

**TOTAL**: 13458.66

**Discount not shown. Will credit later.

[CHECK IF CONTINUATION IS USED]

**CUSTOMER**: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.
<table>
<thead>
<tr>
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<td>10980001</td>
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<td>MIXING SERVICE CHRAG DRY MATERIA</td>
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<td>4.5 GUIDE SHOE</td>
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<td>10107891</td>
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<td>FUEL SURCHARGE</td>
<td>75.81</td>
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</tbody>
</table>

**SUBTOTAL**

**TOTAL**

**4.25000% STATE TAX**

**1.00000% COUNTY TAX**

**TAX EXEMPTION STATUS:**

**PAY THIS AMOUNT**
CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

SB3030 (Rev. 12/89)
**BILLING COPY**

**SERVICE OPERATIONS CONTRACT**

**CONTINUATION**

**CONTRACT NO.** 610057

**DATE OF JOB** 15-147-20525-00-00

**DISTRICT** Oakley, KS

**DIST. NO.** 585

**AUTHORIZED BY** Dan Nixon

**CUSTOMER** R.P. Nixon

---

**PRICE BOOK** C9

<table>
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<tr>
<th>PRICE BOOK REF. NO</th>
<th>QUANTITY</th>
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<th>UNIT PRICE</th>
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<th>PRICE EXTENSION</th>
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<td>Fuel Surcharge - 15% Discount</td>
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<td>75.81</td>
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**Total** 364.32

---

**SERVICE REPRESENTATIVE**

**RECEIVED**

STATE CORPORATION COMMISSION

CONSERVATION DIVISION

Wichita, Kansas

WELL OWNER, OPERATOR, CONTRACTOR OR AGENT

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.
R P NIXON OIL OPERATIONS  
207 WEST 12TH  
HAYS  
KS 67501

WELL NUMBER: 12  
CUSTOMER NUMBER: 02584000

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<tr>
<th>PRODUCT NUMBER</th>
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<td>BJ-TITAN GEL, BENTONITE, BULK SALES</td>
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A/LC 720 OPER

SUBTOTAL: 3,575.20

4.25000% STATE TAX: 155.74

RECEIVED

PAY THIS AMOUNT: 3,641.39

SB-9020 (12/89)
**BILLING COPY**

**SERVICE OPERATIONS CONTRACT**

**TERMS NET 30 DAYS FROM DATE OF CONTRACT**

**DATE:** 11-27-90

**SERVICE CONTRACT NO.:** 627595

---

**CUSTOMER ACCOUNT NO.:** 25840007

**DIST NAME:** HAAS

**DIST NUMBER:** 3370

**CUSTOMER:** R.P. Nixon

**ADDRESS:** 201 West 124A

**AUTHORIZED BY:** (Please Print) R.P. Nixon

**STATE:** KS

**ZIP:** 67601

**WELL OWNER:** R.P. Nixon

---

**REVENUE EQUIPMENT (UNIT NUMBERS):**

|blender| value| brand| model| serial no.
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<tr>
<td>4</td>
<td>44</td>
<td>6753</td>
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</tr>
</tbody>
</table>

---

**CONTRACT CONDITIONS:** (This contract must be signed before the job is commenced or merchandise is delivered)

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

---

**PRICE BOOK:** 01

---

**THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:**

---

**CUSTOMER:** This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.
<table>
<thead>
<tr>
<th>PRICE BOOK</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>UNIT PRICE</th>
<th>QUANTITY</th>
<th>PRICE EXTENSION</th>
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<td>Pump Truck Mixture</td>
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Subtotal: 3500.84

Fuel Surcharge: 24.26

Subtotal: 3525.20