STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-2 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 147-20533-00 NOV 0

Operator: License # 5447
Name: OXY USA, Inc.
Address: P.O. Box 2610
City/State/Zip: Oklahoma City, OK 73126-0100

Operator Contact Person: Raymond Hui
Phone: (405) 749-2471

Contractor: Name: Allen Drilling Company
License: 5418
Wellsite Geologist: Bill Keller

Designate Type of Completion
X New Well ______ Re-Entry ______ Workover

If EAW: oil well info as follows:
Operator:
Well Name: _______
Comp. Date ______ Old Total Depth _______

Drilling Method:
X Mud Rotary _______ Air Rotary _______ Cable

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 ACD-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: Vic Tuminson
Title: Operations Drilling Manager
Date: 11/7/91

Subscribed and sworn to before me this 7th day of November 19 91.
Notary Public: Kelly D. Anderson
Date Commission Expires: 8/19/95

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
Wireline Log Received
Drillers Timelog Received

Distribution
KCC
KGS
Plug
Other (Specify)

Form ACD-2 (78-92)
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  Yes  No
(Attach Additional Sheets.)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No
(Submit Copy.)

Ran Spectral Density Dual Spaced Neutron II Log; Dual Induction Laterolog

Formation Description

<table>
<thead>
<tr>
<th>Name</th>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topeka</td>
<td>3140'</td>
<td>3210'</td>
</tr>
<tr>
<td>Lecompton</td>
<td>3210'</td>
<td>3252'</td>
</tr>
<tr>
<td>Oread</td>
<td>3253'</td>
<td>3299'</td>
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<tr>
<td>Heebner</td>
<td>3299'</td>
<td>3323'</td>
</tr>
<tr>
<td>Toronto</td>
<td>3323'</td>
<td>3340'</td>
</tr>
<tr>
<td>LKC</td>
<td>3340'</td>
<td>3544'</td>
</tr>
<tr>
<td>Basal Penn</td>
<td>NP</td>
<td>NP</td>
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<tr>
<td>Reagan</td>
<td>3591'</td>
<td>3608'</td>
</tr>
<tr>
<td>Granite Wash</td>
<td>3608'</td>
<td>3650'</td>
</tr>
</tbody>
</table>

**Casing Record**

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

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (in O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
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</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12 1/2''</td>
<td>8 5/32''</td>
<td>24#</td>
<td>393'</td>
<td>CI. A.</td>
<td>270</td>
<td>3% CC</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8''</td>
<td>5 1/2''</td>
<td>14#</td>
<td>3695'</td>
<td>CI. A.</td>
<td>175</td>
<td>5% Cal-Seal</td>
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**Perforation Record**

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<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specify Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>3589'-91'</td>
<td>Sptd 200 gal of NE Acid 3589'-91'</td>
</tr>
<tr>
<td></td>
<td>3590'-3592'</td>
<td>Mixed 30 sx Micro-Mat cmt w/ 0.75% CER-3; sptd cmt @3592'</td>
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</tbody>
</table>

**Tubing Record**

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 7/8''</td>
<td>3500'</td>
<td></td>
<td></td>
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</tbody>
</table>

Date of First Production 10/18/91

Producing Method 

<table>
<thead>
<tr>
<th>Flowing</th>
<th>Pumping</th>
<th>Gas Lift</th>
<th>Other (Explain)</th>
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</thead>
</table>

Estimated Production Per 24 Hours

<table>
<thead>
<tr>
<th>Oil</th>
<th>Bbls.</th>
<th>Gas</th>
<th>Mcf</th>
<th>Water</th>
<th>Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
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</thead>
</table>

Disposition of Gas

- Vented
- Sold
- Used on Lease (If vented, submit ACD-18.)

**Method of Completion**

<table>
<thead>
<tr>
<th>Open Hole</th>
<th>Perforation</th>
<th>Dually Completed</th>
<th>Commingled</th>
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</thead>
<tbody>
<tr>
<td>Other (Specify)</td>
<td></td>
<td>3589'-3592'</td>
<td></td>
</tr>
</tbody>
</table>
# Halliburton Services Invoice

**Invoice Number:** 163481  
**Date:** 09/20/1991

### Billing Information
- **Well/Plant Name:** Johnson B 14  
- **Well/Plant Location:** Phillips, KS  
- **Well/Plant Owner:** Oxy USA Inc.

### Service Details
- **Contractor:** Berlin, Allen Drilling  
- **Job Purpose:** Cement Surface Casing  
- **Ticket Date:** 09/20/1991

### Account Details
- **Acct No.:** 33167  
- **Customer Agent:** Keith Coker  
- **Vendor No.:** E-25  
- **Customer P.O. Number:** 22568  
- **Company Truck:**  
- **Shipped Via:**

### Itemized Description
<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
<th>Amount</th>
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<tbody>
<tr>
<td>001-117</td>
<td>Mileage</td>
<td>50</td>
<td>MI</td>
<td>2.60</td>
<td>130.00</td>
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<tr>
<td>301-016</td>
<td>Cementing Casing</td>
<td>393</td>
<td>FT</td>
<td>515.00</td>
<td>515.00</td>
</tr>
<tr>
<td>40</td>
<td>Centralizer 8 1/2&quot; MODEL S-4</td>
<td>3</td>
<td>EA</td>
<td>62.00</td>
<td>186.00</td>
</tr>
<tr>
<td>007-93059</td>
<td>CMTG PLUG LA-11,CP-1,CP-3,TOP</td>
<td>8</td>
<td>IN</td>
<td>90.00</td>
<td>90.00</td>
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<tr>
<td>350</td>
<td>Halliburton Weld-A</td>
<td>1</td>
<td>LB</td>
<td>11.50</td>
<td>11.50</td>
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<tr>
<td>890-10802</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>501-308</td>
<td>Standard Cement</td>
<td>270</td>
<td>SK</td>
<td>6.75</td>
<td>1,822.50</td>
</tr>
<tr>
<td>509-406</td>
<td>Anhydrous Calcium Chloride</td>
<td>9</td>
<td>SK</td>
<td>26.25</td>
<td>236.25</td>
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<tr>
<td>507-210</td>
<td>Flocele</td>
<td>68</td>
<td>LB</td>
<td>1.30</td>
<td>88.40</td>
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<tr>
<td>500-207</td>
<td>Bulk Service Charge</td>
<td>288</td>
<td>CFT</td>
<td>1.15</td>
<td>331.20</td>
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<td>500-306</td>
<td>Mileage CMTG Mat Del or Return</td>
<td>654.2</td>
<td>TMI</td>
<td>.80</td>
<td>523.36</td>
</tr>
</tbody>
</table>

### Total Amount: 3,934.21

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**Photograph of Document:**

Mr. Anderson:

Please note that this invoice reflects the cementing work for the Johnson B #13 well.

Raymond

---

**Pay This Amount: $3,281.74**
INVOICE

INVOICE SUBTOTAL
INVOICE BID AMOUNT

INVOICE TOTAL - PLEASE PAY THIS AMOUNT = $12,437.51

FORM 1900-R4

TERMS: INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 12% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

PAGE:
Mr. Jim Nowell of OXY USA Inc.
Operator OXY USA Inc. KCC # 5447
Address: 110 S. Main Wichita KS Phone # ( )

Lenox Name Johnson Well # B-13
Location NW 1/4 Sec. 1 Top 5 Rge 20 W
County Phillips

10 3/4" 6 5/8" 393' S.P. cuw w/ C.W.C. sk. cmt.
4 1/2" 5 1/2" 6" csg. set @ 3695 w/ Remarks sk. cmt.
T.D. 3696 Elv. 2187 Anh. Dakota Base 1037

D.V. Tool @ 1743 Port Collar @ Port @ Other

Total Amount of cement and Blend: 400 cbx H.L.C. W/ Flouite

Did cement circulate? YES Date 9-26-91

Cement Company: Halliburton

Ticket #

Who witnessed Dale & Baltesow

Remarks: 5 1/2 - 50 cbx, 50/50 for 24 hr set, 1/2 hr Pull for 1 1/2 HB
4-322 125 cbx. of EAL w/ 1/4 to 3 Air 10 do
Salt 50o c < 3/4 do Allied 9 1/2 do c Fr. 3
Air Over Comp. 3:50 PM 9-26-91

Wt. Completion Rotary Rig Pulling unit
INVOICE

JOHNSON E 13
PHILLIPS
KS OXY USA

BERLIN
ALLEN DRLG
CUST. PRODUCTION CASING 09/26/1991

ACCT. NO. 
CUSTOMER AGENT
DONALD SHELTON F-25

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75335-1046

INVOICE NO.
DATE
163484 09/26/1991

OXY USA INC.
REGIONAL OFFICE
ATT: G. I. MCFARLAND
PO BOX 26100
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

<table>
<thead>
<tr>
<th>PRICE REF. NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT-PRICE</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>504-308</td>
<td>STANDARD CEMENT</td>
<td>125 SK</td>
<td>6.75</td>
<td>843.75</td>
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<tr>
<td>508-127</td>
<td>CAL SEAL</td>
<td>6 SK</td>
<td>19.70</td>
<td>118.20</td>
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<tr>
<td>509-968</td>
<td>SALT</td>
<td>541 LB</td>
<td>.10</td>
<td>54.10</td>
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<tr>
<td>507-665</td>
<td>HALAD-9</td>
<td>35 LB</td>
<td>7.50</td>
<td>262.50</td>
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<tr>
<td>507-970</td>
<td>D-AIR 1, POWDER</td>
<td>29 LB</td>
<td>2.95</td>
<td>85.55</td>
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<tr>
<td>507-153</td>
<td>CFR-3</td>
<td>24 LB</td>
<td>4.10</td>
<td>98.40</td>
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<td>504-316</td>
<td>HALLIBURTON LIGHT W/STANDARD</td>
<td>400 SK</td>
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<tr>
<td>507-210</td>
<td>FLOCULE</td>
<td>100 LB</td>
<td>1.30</td>
<td>130.00</td>
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<tr>
<td>509-968</td>
<td>SALT</td>
<td>400 LB</td>
<td>.10</td>
<td>40.00</td>
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<tr>
<td>500-207</td>
<td>BULK SERVICE CHARGE</td>
<td>602 CFT</td>
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<td>692.30</td>
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<tr>
<td>500-306</td>
<td>MILEAGE CMTG MAT DEL OR RETURN</td>
<td>1362.35 TMI</td>
<td>.80</td>
<td>1,089.88</td>
<td></td>
</tr>
</tbody>
</table>

INVOICE SUBTOTAL

DISCOUNT-(BID) 20 %

INVOICE BID AMOUNT

* KANSAS STATE SALES TAX
* DECATUR COUNTY SALES TAX

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

$12,437.51

FORM 1900-R4
AFFIX JOB TKT
INVOICE

BILLING TO:
HALLIBURTON SERVICES
P.O. BOX 951046
DALLAS, TX 75395-1046

CUSTOMER COPY

INVOICE NO.:
163481
DATE:
09/20/1991

WELL LEASE NO./PLANT NAME:
JOHNSON B 13

PHILLIPS
KS OXY INC.

STATE:

WELL/PLANT OWNER:

CONTRACTOR:

JOE BERLIN

Cementing Surface Casing

09/20/1991

VENDOR NO.:

CUSTOMER #:

JOB PURPOSE:

SERVICE LOCATION:

059167 KEITH COKER

COMPANY TRUCK 22568

DIRECT CORRESPONDENCE TO:

OXY USA INC.
REGIONAL OFFICE
ATT: G. I. MCFARLAND
PO BOX 26100
OKLAHOMA CITY, OK 73126-0100

CONFIDENTIAL

#1572495 X 2360.11/24

PRICE REF. NO. | DESCRIPTION | QUANTITY | U/M | UNIT PRICE | AMOUNT |
-------------|-------------|----------|-----|------------|--------|
000-117      | MILEAGE     | 50       | MI  | 2.60       | 130.00 |
001-016      | CEMENTING CASING | 393 | FT  | 515.00     | 515.00 |
40           | CENTRALIZER 8-5/8" MODEL S-4 | 3 | EA  | 62.00      | 186.00 *|
807-03059    | CMTG PLUG LA-11,CP-1,CP-3,TOP | 8 | 5/8 | 90.00      | 90.00  |
350          | HALLIBURTON WELD-A | 1 | LB  | 11.50      | 11.50 *|
890.10802    |            |          |     |            |        |
504-308      | STANDARD CEMENT | 270 | SK  | 6.75       | 1,822.50 *|
509-406      | ANHYDROUS CALCIUM CHLORIDE | 9 | SK  | 26.25      | 236.25 *|
507-210      | FLOCELE     | 68       | LB  | 1.30       | 88.40  *|
500-207      | BULK SERVICE CHARGE | 288 | CFT | 1.15       | 331.20 *|
500-306      | MILEAGE CMTG MAT DEL OR RETURN | 654.2 | TMI | .80       | 523.36 *|

INVOICE SUBTOTAL

DISCOUNT- (BID)

INVOICE BID AMOUNT

* - KANSAS STATE SALES TAX
* - DECATUR COUNTY SALES TAX

3,934.21

3,147.37

786.84

108.77

25.60

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

$3,281.74

AFFIX JOB TKT

FORM 1990-R4

RECEIVED

786.84-

3,147.37

STATE CORPORATION COMMISSION

NOV 2 1991

CONSERVATION DIVISION

Wichita, Kansas

RECEIVED

DEC 8 1992

FROM CONFIDENTIAL

32

TERMS: INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NOT TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.
As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price list, because payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 15% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. The terms and conditions shall be governed by the laws of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERS WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale of or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials or their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

<table>
<thead>
<tr>
<th>PRICE</th>
<th>REFERENCE</th>
<th>SECONDARY REF.</th>
<th>OR PART NO.</th>
<th>LOC.</th>
<th>ACCOUNT</th>
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<td>2nd Stage Pump Charge</td>
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<td></td>
<td>DV Tool</td>
<td>5 1/2 in</td>
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<td>Latch Down Plug</td>
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<td>40</td>
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<td>Centralizers 6-4</td>
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<td>320</td>
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<td>Super Flush</td>
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<tr>
<td>158-099</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flochek 01</td>
<td>500 gals</td>
<td></td>
<td>150.00</td>
<td>750.00</td>
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<tr>
<td>350</td>
<td>890, 108,821</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Hooco Weld</td>
<td>2 lbs</td>
<td></td>
<td>11.50</td>
<td>23.00</td>
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<tr>
<td>596</td>
<td>801, 087,443</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Latch Down Baffle</td>
<td>5 1/2 in</td>
<td></td>
<td>114.00</td>
<td>114.00</td>
</tr>
</tbody>
</table>

**Received by:**

**State Corporation Commission**

**Dec 30, 1991**

**Conservation Division**

**Wichita, Kansas**

**As per attached bulk material delivery ticket no.: B-977841**

**Released by:**

**Jack Moore**

**Halliburton Operator**

From Confidential

**Sub total:**

**149,861.18**

**Applicable taxes will be added on invoice.**
<table>
<thead>
<tr>
<th>PRICE REFERENCE</th>
<th>SECONDARY REF. OR PART NO.</th>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>UNITS 1</th>
<th>UNITS 2</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>QTY.</td>
<td>MEAS.</td>
<td>QTY.</td>
<td>MEAS.</td>
</tr>
<tr>
<td>504-308</td>
<td></td>
<td>1 B</td>
<td>Standard Cement</td>
<td>25</td>
<td>sk</td>
<td>6.75</td>
<td></td>
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<tr>
<td>506-105</td>
<td></td>
<td>1 B</td>
<td>Pozmix 'A'</td>
<td>25</td>
<td>sk</td>
<td>3.90</td>
<td></td>
</tr>
<tr>
<td>506-121</td>
<td></td>
<td>1 B</td>
<td>(1) Halliburton Gel Allowed 2%</td>
<td>N/A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>509-968</td>
<td></td>
<td>1 B</td>
<td>Salt Granulated 10%</td>
<td>239</td>
<td>lb</td>
<td>.10</td>
<td></td>
</tr>
<tr>
<td>507-775</td>
<td></td>
<td>1 B</td>
<td>Halad-322 1.5%</td>
<td>63</td>
<td>lb</td>
<td>6.15</td>
<td></td>
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<tr>
<td>507-210</td>
<td></td>
<td>1 B</td>
<td>Flocolex 1/4#/sk.</td>
<td>13</td>
<td>lb</td>
<td>1.30</td>
<td></td>
</tr>
<tr>
<td>504-308</td>
<td></td>
<td>1 B</td>
<td>Standard Cement</td>
<td>125</td>
<td>sk</td>
<td>6.75</td>
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<tr>
<td>508-127</td>
<td></td>
<td>1 B</td>
<td>Cal-Seal 5%</td>
<td>6</td>
<td>sk</td>
<td>19.70</td>
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<td>509-968</td>
<td></td>
<td>1 B</td>
<td>Salt Granulated 10%</td>
<td>541</td>
<td>lb</td>
<td>.10</td>
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<tr>
<td>507-665</td>
<td></td>
<td>1 B</td>
<td>Halad-9 0.3%</td>
<td>35</td>
<td>lb</td>
<td>7.50</td>
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<td>507-970</td>
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<td>1 B</td>
<td>D-Air-1 .25%</td>
<td>29</td>
<td>lb</td>
<td>2.95</td>
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<tr>
<td>507-153</td>
<td></td>
<td>1 B</td>
<td>CFR-3 0.2%</td>
<td>24</td>
<td>lb</td>
<td>4.10</td>
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<td>504-316</td>
<td></td>
<td>1 B</td>
<td>Halliburton Light Cement</td>
<td>400</td>
<td>sk</td>
<td>6.28</td>
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<td>1 B</td>
<td>Flocolex 1/4#/sk.</td>
<td>100</td>
<td>lb</td>
<td>1.30</td>
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<tr>
<td>509-968</td>
<td></td>
<td>1 B</td>
<td>Salt Granulated (On Side)</td>
<td>400</td>
<td>lb</td>
<td>.10</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL WEIGHT**

- SERVICES CHARGE ON MATERIALS RETURNED
  - 500-207: 1 B Service Charge
    - 1 B Mileage Charge
      - 500-306: 1 B Mileage Charge
      - TOTAL WEIGHT: 54,494

**RECEIVED**

- STATE CORPORATION COMMISSION
- CONSERVATION DIVISION WICHITA, KANSAS

**RELEASED**

- 500-207: 1 B Service Charge
  - TOTAL WEIGHT: 50
  - TON MILES: 1362.35
  - CARRY FORWARD TO INVOICE SUB-TOTAL: 6,621.18

**RETURNED MILEAGE CHARGE**

- 500-207: 1 B Service Charge
  - TON MILES: 692.30

**FOR INVOICE AND TICKET CONTINUATION**

- CONFIDENTIAL
  - Phillips
  - KS
  - Allen Drig.
  - 977841
  - N/Vickie
  - Jack Moore

**DATE**

- 9/25/91

**Mailing Address**

- OXY USA INC.
- P.O. Box 26100
- Oklahoma City, OK 73126-0100
WORK ORDER CONTRACT
AND PRE-TREATMENT DATA

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH POLEMEN AND SERVICEMEN TO DELIVER AND OPERATE
THE SAME AS AN INDEPENDENT CONTRACTOR TO: Oxy USA
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 13
LEASE: Johnson B
SEC. 31
TWP. 55
RANGE 20
FIELD: Ray Pool
COUNTY: Phillips
STATE: KS
OWNED BY: Oxy USA

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

<table>
<thead>
<tr>
<th>FORMATION</th>
<th>NEW USED</th>
<th>WEIGHT</th>
<th>SIZE</th>
<th>FROM</th>
<th>TO</th>
<th>MAX. ALLOW.</th>
<th>P.S.I.</th>
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<tr>
<td>CASING</td>
<td>N</td>
<td>5%</td>
<td>1/8</td>
<td>KB</td>
<td>3695</td>
<td></td>
<td></td>
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<td>LINER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TUBING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPEN HOLE</td>
<td></td>
<td>7%</td>
<td>1/8</td>
<td>KB</td>
<td>3695</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PREVIOUS TREATMENT:

<table>
<thead>
<tr>
<th>DATE</th>
<th>TYPE</th>
<th>MATERIALS</th>
</tr>
</thead>
</table>

TREATMENT INSTRUCTIONS: TREAT THRU TUBING □ ANNULUS □ CASING □ TUBING/ANNULUS □ HYDRAULIC HORSEPOWER ORDERED
Cement 5% "Production casing" 50 sks 60/60 21 1/2" Fibercem A + 1.5% of 4d
125 sks 67-2 1/2% Sel. 13/4" D-Air + 1/4" 3/32" first stage. 2nd stage 400 sks HLC 1/4" Fibercem, ID tool on 6/5th 5" @ 1763, 2nd pumpup 50" shut off to fill centralizers on 6/5th 5" 1/4" Cubic, 65.°, Basket = 0.5

As consideration, the above-mentioned customer agrees.

This contract must be signed before work is commenced.

a) To pay Halliburton in accord with the rates and terms stated in Halliburton’s current price list. Invoices are payable to the 20th of the following month after date of invoice. Upon Customer’s default in payment of any sum due, Halliburton is entitled to the fullest remedies at law to collect the amount of such sum due and interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether or not the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products supplied or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.

d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and/or such equipment, tools or instruments which are not recovered. Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for the repair or replacement of Halliburton's equipment, tools or instruments which occurs any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Deceptive Trade Practices Consumer Protection Act if said waiver is permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract except where such change or modification is in writing and signed by an authorized representative of Halliburton.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CONSERVATION DIVISION
WICHITA, KANSAS

DATE: 9-26-91
TIME: 0900 AM P.M.

RELEASED
STATE CORPORATION COMMISSION
DEC 9 1992
FROM CONFIDENTIAL

CUSTOMER

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER’S AGENT.

SIGNED

Donald E. Shepherd

DATE: 9-26-91

TIME: 0900 AM P.M.

CUSTOMER

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.
JOB SUMMARY

Oberlin KS

WELL DATA

FIELD: Rey Pool
SEC: 31
TWP 55
S	
RANGE 130
COUNTY: Phillips
STATE: KS

INITIAL PROD: Oil
PRESENT PROD: Oil
COMPLETION DATE:
COMPLETION METHOD:
PACKER TYPE:
BOTTOM HOLE TEMP.
PRESSURE:

TOOLS AND ACCESSORIES

TYPE AND SIZE
FLOTATION COLLAR
FLOTATION SHOE
CENTRALIZERS 5-4, 5-1/2" 10GA Howco
CENTRALIZERS 5-1/2" 10GA Howco
TOP PLUG 5-1/2" 10GA Howco
HEAD 5-1/2" 10GA Howco
OTHER DV Plug & Bomb 10GA Howco

MAKES
IEA Howco
IEA Howco
10GA Howco
IEA Howco
IEA Howco
IEA Howco
IEA Howco

MATERIALS

TREAT. FLUID DENSITY LB/GAL API
DISPL. FLUID DENSITY LB/GAL API
PROP. TYPE SIZE LB
PROP. TYPE SIZE LB
ACID TYPE GAL %
ACID TYPE GAL %
ACID TYPE GAL %
SURFACTANT TYPE GAL IN
NE AGENT TYPE GAL IN
FLUID LOSS ADD. TYPE GAL-LB IN
GELLING AGENT TYPE GAL-LB IN
FRAC. RED. AGENT TYPE GAL-LB IN
BREAKER TYPE GAL-LB IN
BLOCKING AGENT TYPE GAL-LB IN
PERFPAC BALLS TYPE QTY

CEMENT DATA

STAGE
1
1
2

NUMBER OF BAGS
50/50 Pozz
50/50 Pozz
400

CEMENT
CCA
IEA-2
HLC

BRAND

AMOUNT BAGGED

ADDITIVES

YIELD CCF/BAK
10% Sal, 2% Gel, 1/4# Floatec 1.5% HClb 1# 14.38 14.38
10% Sal, 0.3% Heald 9 25% Darro 1/4# 13.2 13.2
1/4# Floatec

REMARKS

See Job Log

RECEIVED

1, 2, 3
1, 2
1, 2

REMARKS

See Job Log

STATE CORPORATION COMMISSION

SUMMARY

VOLUMES

PRESSLUS: BBL-GAL
LOAD & BOND: BBL-GAL
TREATMENT: BBL-GAL
DISPL: BBL-GAL

REMARKS

See Job Log

CONSERVATION DIVISION

WICHITA, KANSAS

RELEASED

1992

FROM CONFIDENTIAL

FORM 2025-R2
<table>
<thead>
<tr>
<th>Chart No</th>
<th>Time</th>
<th>Rate (BPM)</th>
<th>Volume (gallons)</th>
<th>Pumps</th>
<th>Pressure (PSI)</th>
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<td>0245</td>
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<td>5</td>
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<tr>
<td>102</td>
<td>0250</td>
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<td>102</td>
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<tr>
<td>102</td>
<td>0303</td>
<td>6</td>
<td>40 Salt Flash</td>
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<td>102</td>
<td>0306</td>
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<td>102</td>
<td>0316</td>
<td>4½</td>
<td>11½ Cmt</td>
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<td>0327</td>
<td>4½</td>
<td>41¾ Cmt</td>
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<tr>
<td>102</td>
<td>0329</td>
<td>7</td>
<td>1</td>
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</table>

**DESCRIPTION OF OPERATION AND MATERIALS**

- On injection, casers rigging up 102
- Start casing 102
- 5½" pipe, Float shoe auto lift on baffle in top of shoe joint. 
- Tool in top of 45th Jr. 
- 1743:66, cement basket on 45th joint 
- Below D.B. Howco weld floor 
- Shoe + D.B. tool. Drop Ball 
- 3 It's left to run.

- Finish running casing - Hook up rotating 3 manifold. 
- Rig circulate, pumped ball through insert @ 500 psi. Rig circulate while rotating casing
- Hook up to Howco - Rig rotate casing.

- Start 5 bbl Fresh water spacer.
- Finish spacer - start 40 bbl Salt
- Flash by 1 bag Desco, take off casing.
- Finish Salt Flash - Start 500 gal
- Super Flash - 3 bbl spacer, 20% water.
- Finish Super Flash - Start 500 gal
- Flashback 21
- Finish Flashback 21 - Start 5 bbl fresh water spacer
- Finish spacer - Start cement - 50 sks
- 50/50 Re + 10% Salt, 2% Gel
- ½ Cmle, 1.5% Heled 300.
- Finish 50 sks - Start 125 sks 6A-3 Cmt + 5% Cal Sec. 10% Salt
- .3% Heled 9 .25% D-Air + .2%
- CFR-3
- Finish cement - Shut Down
- With up Pump + lines
- Start Disp - 47 bbl fresh water + 42½ bbl mud
<table>
<thead>
<tr>
<th>CHART NO.</th>
<th>TIME (HR)</th>
<th>RATE (BPM)</th>
<th>VOLUME (BBL)</th>
<th>PRESSURE (PSI)</th>
<th>DESCRIPTION OF OPERATION AND MATERIALS</th>
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<tbody>
<tr>
<td>1340</td>
<td>7</td>
<td>70</td>
<td></td>
<td></td>
<td>Caught pressure</td>
</tr>
<tr>
<td>1344</td>
<td>7</td>
<td>89</td>
<td></td>
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<td>Pressure &amp; rate</td>
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<tr>
<td>1344</td>
<td>7</td>
<td>89.7</td>
<td></td>
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<td>Plug down - Finish Displacement</td>
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<td>1346</td>
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<td></td>
<td></td>
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<td>Release - Held</td>
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<tr>
<td>1347</td>
<td>NOV 8</td>
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<td>Pressure csg. - Held</td>
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<td>1349</td>
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<td>CONFIDENTIAL</td>
<td></td>
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<td>Release - Held</td>
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<td>Drop D.J. Bomb</td>
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<td>Open DV</td>
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<td>Rig Circulate</td>
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<td>1547</td>
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<td></td>
<td></td>
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<td>Hook up to Houco</td>
</tr>
<tr>
<td>1550</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>Start 5 bbl Fresh water spacer ahead</td>
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<tr>
<td>1551</td>
<td>6</td>
<td>5swt</td>
<td></td>
<td></td>
<td>Finish spacer - Start 400 bbls</td>
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<tr>
<td>1618</td>
<td>6</td>
<td>125 cmt</td>
<td></td>
<td></td>
<td>HLC cement w/ 1/4 # flocee</td>
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<tr>
<td>1620</td>
<td>6</td>
<td>132 cmt</td>
<td></td>
<td></td>
<td>Cement circulated, hung down</td>
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<tr>
<td>1621</td>
<td>8</td>
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<td>Finish Cement - Shut Down</td>
</tr>
<tr>
<td>1626</td>
<td>9</td>
<td>42</td>
<td></td>
<td></td>
<td>Release plug &amp; start disp</td>
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<tr>
<td>1626</td>
<td>8</td>
<td>42 3/4</td>
<td></td>
<td></td>
<td>Pressure &amp; rate</td>
</tr>
<tr>
<td>1631</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Finish Displacement Plug Down</td>
</tr>
<tr>
<td>1632</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Release - Held</td>
</tr>
<tr>
<td>1645</td>
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<td></td>
<td></td>
<td></td>
<td>Wash-up truck</td>
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<tr>
<td>1700</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Job complete</td>
</tr>
</tbody>
</table>

Thank you,

Terry - Jack - Harold - Mike

Circulated 48 bbls Cmt
### Ticket Information

**Form 1906 R-11**

**Well No.**

**Owner:**

**Address:**

**City, State, Zip:**

**Well Type:**

**Well Category:**

**Well Permit No.:**

**Delivered To:**

**Order No.:**

**Referral Location:**

### Price Reference and Description

<table>
<thead>
<tr>
<th>Reference</th>
<th>Secondary Ref.</th>
<th>LOC.</th>
<th>Account</th>
<th>Description</th>
<th>Units 1</th>
<th>Units 2</th>
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<td>1</td>
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### Received

**State Corporation Commission**

**Conservation Division**

**Wichita, Kansas**

### As Per Attached Bulk Material Delivery Ticket No.

**B-977841**

**Incorporated**

**Approved**

**Jack Moore**

**Date: 3-8-92**

**Subtotal**

**Applicable taxes will be added on invoice.**
**BULK MATERIALS DELIVERY AND TICKET CONTINUATION**

**DATE**: 9/25/91  
**CHARGE TO**: OXY USA INC.  
**OWNER**: OXY USA INC.  
**CONTRACTOR**: Allen Dril.  
**NO**: B 977841  
**MAILING ADDRESS**: P.O. Box 26100  
**DELIVERED FROM**: Oberlin, KS  
**LOCATION CODE**: 25529  
**PREPARED BY**: Lyle/Vickie  
**CITY & STATE**: Oklahoma City, OK 73126-0100  
**RECEIVED BY**:  

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<th>UNITS 2</th>
<th>UNIT PRICE</th>
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<td>504-308</td>
<td></td>
<td>1 B</td>
<td>Standard Cement</td>
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<td>1 B</td>
<td>Salt Granulated (On Side)</td>
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<td>.10</td>
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**RECEIVED**  
**STATE CORPORATION COMMISSION**  
**CONSERVATION DIVISION**  
**WICHITA, KANSAS**  

**RETURNED MILEAGE CHARGE**  
**TOTAL WEIGHT**  
**TOTAL MILES-2,945 LADED MILES**  
**TON MILES**  

**SERVICE CHARGE ON MATERIALS**  
**CUB. FEET**  
**602**  
**692.30**  

**MILEAGE CHARGE**  
**TOTAL WEIGHT**  
**50 LADED MILES**  
**TON MILES**  
**1,089.33**  

**RELEASED**  
**10/21 1992**  
**FORWARD TO INVOICE**  
**SUB-TOTAL**  

**FORM 1911-R9 REV. 8-88**  
**FROM CONFIDENTIAL**  
**EXTRA COPY**
TO: HALLIBURTON SERVICES  
THE SAME AS AN INDEPENDENT CONTRACTOR TO: OXY USA  

WELL NO. 13  
LEASE Johnson B  
SLC.  
FIELD Ray Field  
COUNTY Phillips  
STATE KS  
OWNED BY OXY USA  

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

PREVIOUS TREATMENT: DATE  
TREATMENT INSTRUCTIONS: TREAT THRU TUBING  
APPLICABLE TO: ANNULUS  
CASING TUBING/ANNULUS  
HYDRAULIC HORSEPOWER ORDERED  

Cement Slurry Product, in Casing by Stages, 50/50PCE, w/p 0.6% Silica, 77# of CO2, 3 Per Stage, 2nd Stage 40# of 77# CO2 Stock, Diluted on 45# of Air with CO2 Stock.  

Cemented Slurry Product, in Casing by Stages, 50/50PCE, w/p 0.6% Silica, 77# of CO2, 3 Per Stage, 2nd Stage 40# of 77# CO2 Stock, Diluted on 45# of Air with CO2 Stock.  

This contract must be signed before work is commenced.

By signing, the above-named contractor agrees:

1. To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following in which the invoice is dated, Customer agrees to pay interest thereon at default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorneys fees in the amount of 20% of the amount of the unpaid account.

2. To deliver, indemnify, release and hold harmless Halliburton, its subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, losses, expenses, attorney fees, and costs of defense to the extent permitted by law for:

(a) Damage to property owned by, in possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.

(b) Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.

3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, causing control of the well and/or a well blowout or the use of radioactive material.

4. The failure, negligence, release and hold harmless obligations of Customer (provided for in this Section 2 and Section 3) below shall apply to claims or liabilities even if caused or contributed to by Halliburton's negligence, strict liability, or the unreasonableness of any cause, whether or not caused or contributed to by Halliburton.

5.1. That Halliburton warrants only to the products, supplies, and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any case of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale of or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials, or to a refund of the purchase price, at Halliburton's option, to the extent permitted by law.

6. That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall only be liable for the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments which are lost in the well or otherwise, Customer shall pay Halliburton in addition to the foregoing, be fully responsible for the cost of replacing any Halliburton equipment, tools or instruments which are lost in the well or otherwise. Customer shall pay Halliburton in addition to the foregoing, be fully responsible for the cost of replacing any Halliburton equipment, tools or instruments which are lost in the well or otherwise.

7. To waive the provisions of the Deceptive Trade Practices Act of 1971, as amended, or any similar state laws, which may be imposed by law.

8. That this contract shall be governed by the law of the state where services are performed or materials are furnished.

9. To have read and understand the entire contents of this document and to agree to the terms and conditions stated herein.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.
<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
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<td>Data 9</td>
<td>Data 10</td>
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<th>CHART NO.</th>
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<th>RATE</th>
<th>VOLUME</th>
<th>PUMPS</th>
<th>PRESSURE</th>
<th>DESCRIPTION OF OPERATION AND MATERIALS</th>
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<td>0836</td>
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<td>50G</td>
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<td>In Location, Casings Rigging Up.</td>
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<td>on Joint Nos. 1, 3, 5, 7, 9, 11, 13,</td>
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<td>DVL Tool in top of 45th Jt</td>
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<td>Shoe &amp; DVL tool, Drop Ball by</td>
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<td>Circulate while rotating casing</td>
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<td>100</td>
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<td>Salt Flash - Start 500 gal</td>
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<td>Superflash</td>
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<td>50G70</td>
<td>Poc 4 10%, S 34, 7% Gel</td>
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<td>11G</td>
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<td>1/2&quot;</td>
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<td>water + 42 1/2 bbl mud</td>
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FROM CONFIDENTIAL
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<th>RATE (BPM)</th>
<th>VOLUME (BBL)</th>
<th>PRESSURE (PSI)</th>
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<td>Plug down - Finish Displacement</td>
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<td>Rig circulate</td>
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<td>5wtr</td>
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<td>Finish spacer - Start 400sks HLC cement w/y &amp; floccle</td>
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Thank you

Terry, Jack, Harold, Mike

Circulated 48 bbl Cmt