WELL PLUGGING RECORD

K.A.R. 82-3-117

API NUMBER 15-147-00871-00-00

LEASE NAME Pinkerton

WELL NUMBER 4

SEC 29

TWP 5

RGE 20W (E) or (W)

COUNTY Phillips

Date well completed 11-14-01

Character of well (Oil, Gas, D&A, SWD, Input, Water Supply Well)

Plugging commenced 12-14-01

Plugging completed 12-29-01

KCC

The plugging proposal was approved on 12-20-01 (date)

by Pat Staub w/KCC Hays, KS. (KCC District Agent's Name)

Is ACO-1 filed? no If not, is well log attached? yes

Producing Formation Arbuckle Depth to Top 3608 Bottom 3610 TD 3610

OIL, GAS, OR WATER RECORDS

Casing Record

<table>
<thead>
<tr>
<th>Formation</th>
<th>Content</th>
<th>From</th>
<th>To</th>
<th>Size</th>
<th>Put In</th>
<th>Pulled out</th>
</tr>
</thead>
<tbody>
<tr>
<td>surface</td>
<td>160</td>
<td>8 5/8</td>
<td>160</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>production</td>
<td>3608</td>
<td>5 1/2</td>
<td>3608</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from feet to feet each set.

Plugged well as follows: Mix and pump 105 sxs cmt w/200# hulls. Cmt circ to surface, Hook up to 8 5/8" x 5 1/2" annulus. Pump 15 sxs cmt. C/I 8 5/8"annulus. Hooked up to 5 1/2 csg head. Pump 65 sxs cmt. Squeeze to max press. Of 350 # Witnessed and approved by Pat Staub w/KCC

Name of plugging contractor Murfin Drilling Company, Inc. License No. 30606 Address 250 N. Water, Suite 300, Wichita, KS 67202

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Murfin Drilling Company, Inc.

STATE OF KANSAS COUNTY OF SEDGWICK

Ernie Morrison / Production Geologist (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) Ernie Morrison

(Address) Wichita, KS

SUBSCRIBED AND SWORN TO before me this 8th day of Jan, 2002

Notary Public - Barbara J. Dodson

My Commission Expires: 12/16/03 Form CP-4 Revised 05-88

B P A R A B A J . D O D S O N

NOTARY PUBLIC STATE OF KANSAS

My Appt. Exp. 12-16-03
**WELL RECORD**

**Company:** Cities Service Oil Co.  
**Well No.:** 4  
**Farm:** Pinkerton

**Location:** 990' north & 330' west of S/4 corner  
**Sec.:** 29  
**T.:** 5  
**R.:** 20-W

**Elevation:** 2200'  
**County:** Phillips  
**State:** Kansas

**Drig. Comm.:** November 17, 1941  
**Contractor:** R. W. Hine Drilling Company

**Drig. Comp.:** November 30, 1941  
**Acid:** None

**T. D.:** 3610'  
**Initial Prod.:** None  
**Econometer Potential:** 2117 oil, 0 water, 24 hours.

---

**CASING RECORD:**
- 8-5/8" @ 160' cem. 125 sx Ash Grove
- 2 sx O. C.

**FORMATION RECORD:**
- sand & shale: 0-100
- shale & shells: 160
- shale, shells & sand: 1205
- shale & sand: 1568
- shale & shells: 1720
- anhydrite: 1755
- shale & shells: 1945
- shale & lime shells: 2115
- shale & shells: 2334
- shale & lime: 2464
- shale: 2610
- shale sticky: 2676
- shale & lime: 2920
- shale: 3040
- shale & shells: 3145
- shale & lime: 3346
- lime: 3394
- chart & lime: 3431
- lime: 3582
- shale & lime: 3609
- cored sand (rec. 43'): 3614
- 3614 Rot. TD = 3609 SLM
- sand: 3610 TD

**Corr. Top Arbuckle:** 3595'
**Corr. Top Reagan:** 3603'
**Penetration:** 7'
**Total Depth:** 3610'

**Fillup:** 2625' oil in 45 mins.  
2775' oil in 1 hour

**Svp:** 500' 0'
1000' 0'
1500' 0'
2000' 0'
2500' 0'
3000' 0'

---

**RECEIVED**

KANSAS CORPORATION COMMISSION

JAN 09 2002

CONSERVATION DIVISION
# Invoice

**Date:** 12/14/01  
**Invoice #:** 3974

## Bill To

**Murfin Drilling Co. Inc.**  
PO Box 277  
Logan, KS 67646

## Conservation Division

<table>
<thead>
<tr>
<th>TERMS</th>
<th>Well No.</th>
<th>Lease</th>
<th>County</th>
<th>Contractor</th>
<th>Well Type</th>
<th>Well Category</th>
<th>Operator</th>
<th>Job Purpose</th>
<th>QTY</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net 30</td>
<td>4</td>
<td>Pinkerton</td>
<td>Phillips</td>
<td></td>
<td>Oil</td>
<td>Abandoned</td>
<td>Lenny</td>
<td>PTA</td>
<td>50</td>
<td>1.00</td>
<td>50.00T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>500.00</td>
<td>500.00T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>300</td>
<td>9.50</td>
<td>2,850.00T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>22.00</td>
<td>110.00T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>300</td>
<td>1.00</td>
<td>300.00T</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>596.6</td>
<td>0.75</td>
<td>447.45T</td>
</tr>
</tbody>
</table>

**PRICE REFERE...**

- Crew Milage
- Pump Charge
- Swift Multi-Density
- Cotton Seed Hulls
- Service Charge Cement
- Drainage

**Subtotal:** 4,257.45  
**Sales Tax:** 208.62

**Total:** $4,466.07

---

"PREPARE" TO P&A

Thank you for your business.
<table>
<thead>
<tr>
<th>Price Reference</th>
<th>Secondary Reference/Part Number</th>
<th>Accounting</th>
<th>Description</th>
<th>Qty.</th>
<th>Unit Price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>575</td>
<td></td>
<td>1</td>
<td>Mileage</td>
<td>50</td>
<td>1.00</td>
<td>50.00</td>
</tr>
<tr>
<td>576</td>
<td></td>
<td>1</td>
<td>Pump Charge</td>
<td>1 EA</td>
<td>500.00</td>
<td>500.00</td>
</tr>
<tr>
<td>330</td>
<td></td>
<td>1</td>
<td>SMO Cement</td>
<td>300</td>
<td>9.10</td>
<td>2730.00</td>
</tr>
<tr>
<td>275</td>
<td></td>
<td>1</td>
<td>Hours</td>
<td>5.50</td>
<td>22.00</td>
<td>117.00</td>
</tr>
<tr>
<td>581</td>
<td></td>
<td>1</td>
<td>Bulk Service Charge</td>
<td>300</td>
<td>300.00</td>
<td>300.00</td>
</tr>
<tr>
<td>583</td>
<td></td>
<td>1</td>
<td>Drayage</td>
<td>596.60</td>
<td>175.00</td>
<td>447.15</td>
</tr>
</tbody>
</table>

JAN 09 2002

CONSERVATION DIVISION

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

N. Andre
Time Signed: 09:30 AM

Thank You!
<table>
<thead>
<tr>
<th>CHART NO.</th>
<th>TIME</th>
<th>RATE (BPM)</th>
<th>VOLUME (BBL)</th>
<th>PUMPS</th>
<th>PRESSURE (PSI)</th>
<th>DESCRIPTION OF OPERATION AND MATERIALS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9:00</td>
<td>T</td>
<td></td>
<td></td>
<td></td>
<td>on loc</td>
</tr>
<tr>
<td></td>
<td>8:00</td>
<td>44</td>
<td></td>
<td></td>
<td></td>
<td>pay 1200+1770</td>
</tr>
<tr>
<td>15</td>
<td>10:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>hook up &amp; pump 80 SKS cmT + 300 HUls</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>pull TBD to 2000' +</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>hook up to TBD at 2000 &amp; pump</td>
</tr>
<tr>
<td>15</td>
<td>11:30</td>
<td>58</td>
<td></td>
<td></td>
<td></td>
<td>105 SKS cmT + 200 HUls cmT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>circ to surf</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>pull TBD out of HOLE</td>
</tr>
<tr>
<td>0</td>
<td>12:00</td>
<td>350</td>
<td></td>
<td></td>
<td></td>
<td>hook up to 8 5/8 &amp; pump 50 SKS cmT</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>ops</td>
</tr>
<tr>
<td></td>
<td>13:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>hook up to 5 1/2 &amp; pump 15 SKS cmT</td>
</tr>
<tr>
<td>15:00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PSX to 350 &amp; shut in</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>let cmT set &amp; top off 8 5/8 w/f</td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>50 SKS cmT 50 psx max</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>shut in 8 5/8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Job Complete</td>
</tr>
</tbody>
</table>

Received
KANSAS CORPORATION COMMISSION
JAN 09 2002

CONSERVATION DIVISION