

ORIGINAL

11 6 1991

SIDE ONE

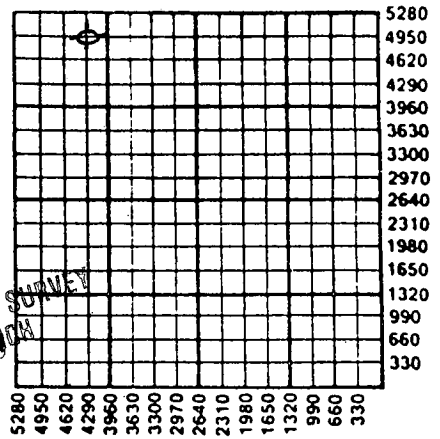
STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15-167-22,871-00-00 FROM CONFIDENTIAL

County Russell
NE NW Sec. 22 Twp. 13 Rge. 12 East
4950 Ft. North from Southeast Corner of Section
4290 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Johnson "A" Well # 1
Field Name Unknown

Producing Formation N/A
Elevation: Ground 1778 KB 1783
Total Depth 330 PBDT N/A



Amount of Surface Pipe Set and Cemented at 243 Feet
Multiple Stage Cementing Collar Used? Yes X No
If yes, show depth set Feet
If Alternate II completion, cement circulated from
feet depth to w/ sx cmt.

Operator: License # 5140
Name: Frontier Oil Company
Address 125 N. Market, Ste. 1702
Wichita, Kansas 67202
City/State/Zip
Purchaser: N/A
Operator Contact Person: Jean Angle
Phone (316) 263-1201
Contractor: Name: Red Tiger Drilling Co.
License: 5302
Wellsite Geologist: Richard D. Parker

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

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

Drilling Method:
 Mud Rotary Air Rotary Cable
10-5-89 10-12-89 10-12-89
Spud Date Date Reached TD Completion Date

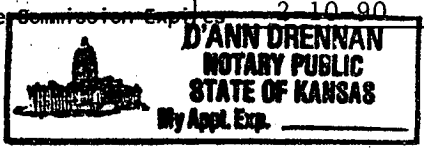
KANSAS GEOLOGICAL SURVEY
WICHITA OFFICE

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 Jean Angle
Title Agent Date 11-1-89

Subscribed and sworn to before me this 1st day of November,
19 89.
Notary Public D'Ann Drennan
Date Commission Expires 2-10-90



RECEIVED
NOV 13 1989

CONSERVATION DIVISION
Wichita, Kansas

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

PI

SIDE TWO

Operator Name Frontier Oil Company Lease Name Johnson "A" Well # 1
 Sec. 22 Twp. 13S Rge. 12W East West
 Russell

CONFIDENTIAL

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.)
 DST #1 (2994-3010) 60-30-60-30 Rec. 120 SW
 Rec. 120' SW IF 76-95 FF 114-115 ISIP 515
 FSIP 410 DST #2 (3104-3140) 30-30-30 Rec. 5' DM
 IF & FF 85-85 ISIP 961 FSIP 903

| Name | Formation Description | |
|---------------------|-----------------------|--------|
| | Top | Bottom |
| Anhydrite | 712 | +1071 |
| Heebner | 2843 | -1060 |
| Toronto | 2864 | -1081 |
| Brown Lime | 2914 | -1131 |
| Lansing | 2933 | -1150 |
| Base of Kansas City | 3204 | -1421 |
| Cherty Conglomerate | 3284 | -1501 |
| Arbuckle | 3297 | -1514 |
| RTD | 3300 | -1517 |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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 1/4" | 8 5/8" | 20# | 243 | 60-40 poz | 140 | 3% gel, 3% CC |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| N/A | | | | | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Date of First Production | | Producing Method | | | | | |
| N/A | | <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | | | |
| Estimated Production Per 24 Hours | | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | | Gravity |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 N/A

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval _____

CONFIDENTIAL

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

15-167-22871-0000
 New

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 7432

Home Office P. O. Box 31 Russell, Kansas 67665

| | | | | | | | | | | | | | | | |
|---------------------|-------------------|------------|------|----------|----------------------|-------|------|------------|---------|-------------|---------|-----------|--|--------|---------|
| Date | 11-8-89 | Sec. | 22 | Twp. | 13 | Range | 12 W | Called Out | | On Location | 5:15 PM | Job Start | | Finish | 8:00 PM |
| Lease | Great Plains | Well No. | 1 | Location | Bunker Hill IN-354-K | | | County | Russell | State | Kan | | | | |
| Contractor | Red Tiger Digs #8 | | | | | | | | | | | | | | |
| Type Job | Plus | | | | | | | | | | | | | | |
| Hole Size | 7 1/8 | T.D. | 742' | | | | | | | | | | | | |
| Csg. | 8 5/8 | Depth | 236' | | | | | | | | | | | | |
| Tbg. Size | | Depth | | | | | | | | | | | | | |
| Drill Pipe | | Depth | | | | | | | | | | | | | |
| Tool | | Depth | | | | | | | | | | | | | |
| Cement Left in Csg. | | Shoe Joint | | | | | | | | | | | | | |
| Press Max. | | Minimum | | | | | | | | | | | | | |
| Meas Line | | Displace | | | | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | | |

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To Frontier Oil Co.
Street 1437 N. Franklin
City Russell **State** Kansas
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No.
 X Done *Frankly*

CEMENT

Amount Ordered 195 SKs 60/40 poz, 4% Gel
 3% CC

Consisting of

| | | |
|----------|----------------|--------|
| Common | 117 SKs @ 5.00 | 585.00 |
| Poz. Mix | 78 SKs @ 2.25 | 175.50 |
| Gel. | 7 SKs @ 6.75 | 47.25 |
| Chloride | 5 SKs @ 20.00 | 100.00 |
| Quickset | | |

EQUIPMENT

| | | | |
|---------|-----|----------|-------------|
| Pumptrk | No. | Cementer | Walt Mon |
| | 83 | Helper | |
| Pumptrk | No. | Cementer | |
| | | Helper | |
| | | Driver | |
| Bulktrk | 22 | | |
| Bulktrk | | Driver | |

DEPTH of Job

| | | |
|------------|---------------|--------|
| Reference: | Pumptruck | 360.00 |
| | Plus | 20.00 |
| | 1.00 per mile | 14.00 |
| | Sub Total | |
| | Tax | |
| | Total | 394.00 |

Remarks:

50 SKs @ 710'
 80 SKs @ 450'
 40 SKs @ 140'
 10 SKs @ 40'
 15 SKs in P.H.

| | | |
|----------|-----------|---------|
| Handling | 904 | 175.50 |
| Mileage | 3¢ | 81.90 |
| | Sub Total | |
| | Total | 1165.15 |

Floating Equipment

RECEIVED
 STATE MINING COMMISSION
Thank You
 SEP 21 1989

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

15-167-22 871-00-00

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC. No. 7477

Home Office P. O. Box 31

Russell, Kansas 67665

New!

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|--|-------------------|--|----------------------------|--------------------------|-----------------------|--------|----|------|--------|----------|----|------|--------|------|---|------|-------|----------|----|-------|-------|----------|--|--|--|
| Date 11-8-89 | Sec. 22 | Twp. 13 S | Range 12 W | Called Out 4:45 AM | On Location 6:45 AM | Job Start 8:15 AM | Finish 8:45 AM | | | | | | | | | | | | | | | | | | | | |
| Lease Great Plains | Well No. #1 | Location Bunker Hill IN 3E + N 1E | | County Russell | State KAN. 045 | | | | | | | | | | | | | | | | | | | | | | |
| Contractor RED TIGER DRILLING RIG #8 | | | | Owner YAS into | | | | | | | | | | | | | | | | | | | | | | | |
| Type Job SURFACE | | | | To Allied Cementing Co., Inc. 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. 237' | | | Charge To FRONTIER OIL COMPANY | | | | | | | | | | | | | | | | | | | | | | | |
| Csg. 8 5/8 | Depth 236 | | | Street 1437 N Franklin | | | | | | | | | | | | | | | | | | | | | | | |
| Tbg. Size | Depth | | | City Russell State Kan 67665 | | | | | | | | | | | | | | | | | | | | | | | |
| Drill Pipe | Depth | | | The above was done to satisfaction and supervision of owner agent or contractor | | | | | | | | | | | | | | | | | | | | | | | |
| Tool | Depth | | | Purchase Order No. X Kenneth Lyle | | | | | | | | | | | | | | | | | | | | | | | |
| Cement Left in Csg. 10'-15' | Shoe Joint | | | CEMENT | | | | | | | | | | | | | | | | | | | | | | | |
| Press Max. | Minimum | | | Amount Ordered 140 SK 6 1/4 2 1/2 gal 370 cc | | | | | | | | | | | | | | | | | | | | | | | |
| Meas Line ✓ 235 | Displace 14 3/4 | | | Consisting of | | | | | | | | | | | | | | | | | | | | | | | |
| Perf. | | | | <table border="1"> <tr> <td>Common</td> <td>84</td> <td>5.00</td> <td>420.00</td> </tr> <tr> <td>Poz. Mix</td> <td>56</td> <td>2.25</td> <td>126.00</td> </tr> <tr> <td>Gel.</td> <td>3</td> <td>6.75</td> <td>20.25</td> </tr> <tr> <td>Chloride</td> <td>44</td> <td>20.00</td> <td>80.00</td> </tr> <tr> <td>Quickset</td> <td></td> <td></td> <td></td> </tr> </table> | | | | Common | 84 | 5.00 | 420.00 | Poz. Mix | 56 | 2.25 | 126.00 | Gel. | 3 | 6.75 | 20.25 | Chloride | 44 | 20.00 | 80.00 | Quickset | | | |
| Common | 84 | 5.00 | 420.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| Poz. Mix | 56 | 2.25 | 126.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| Gel. | 3 | 6.75 | 20.25 | | | | | | | | | | | | | | | | | | | | | | | | |
| Chloride | 44 | 20.00 | 80.00 | | | | | | | | | | | | | | | | | | | | | | | | |
| Quickset | | | | | | | | | | | | | | | | | | | | | | | | | | | |

EQUIPMENT

| | | | |
|--------------|-----|----------|-------------|
| Pumptrk #177 | No. | Cementer | <i>Shaw</i> |
| | | Helper | <i>Will</i> |
| Pumptrk | No. | Cementer | |
| | | Helper | |
| Bulktrk #160 | | Driver | <i>Shaw</i> |
| | | Driver | |

| | | |
|---------------|------------------------------------|---------------|
| DEPTH of Job | | |
| Reference: | Pump Truck Chrg. | 360.00 |
| | 1st PER mile 14m | 14.00 |
| 1-85/8 | Wiper Plug | 40.00 |
| | Sub Total | 414.00 |
| | Tax | |
| | Total | |

Remarks:
Cement
Circulated

| | |
|---------------------------------|---------------|
| Sales Tax | |
| Handling .90 PER SK | 126.00 |
| Mileage .03 PER TEN MILE | 58.80 |
| Sub Total | 831.00 |
| Total | |
| Floating Equipment | |

Shaw
 NOV 11 1989
 CONSERVATION DIVISION
 WIPERS, KANSAS

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

15-167-22871-00-00

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3842

New
ALLIED CEMENTING CO., INC. No. 7431
 Home Office P. O. Box 31 Russell, Kansas 67665

| | | | | | | | |
|---------------------------|-------------------|-------------------------------------|-----------------------------|-----------------------|----------------------------|-----------|--------------------|
| Date 11-7-89 | Sec. 15 | Twp. 13^s | Range 12^w | Called Out | On Location 2:30 AM | Job Start | Finish 6:45 |
| Lease Great Plains | Well No. 1 | Location Bunker Hill 1N-3E+N | | County Russell | State Kan | | |

| | |
|----------------------------------|---|
| Contractor Red Tiger #8 | Owner 145 |
| Type Job Cement Loss Circ | To Allied Cementing Co., Inc. 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 | T.D. |
| Csg. | Depth |
| Tbg. Size | Depth |
| Drill Pipe | Depth 90' |
| Tool | Depth |
| Cement Left in Csg. | Shoe Joint |
| Press Max. | Minimum |
| Meas Line | Displace |
| Perf. | |

| |
|---|
| Charge To Frontier Oil Co. |
| Street 1437 N Franklin |
| City Russell State Kan 676 |
| The above was done to satisfaction and supervision of owner agent or contractor |

Purchase Order No. **X Kenneth Lyle**

EQUIPMENT

| | | | |
|---------|---------------|----------|------------------|
| Pumptrk | No. 83 | Cementer | Walt, Ron |
| | | Helper | |
| Pumptrk | No. | Cementer | |
| | | Helper | |
| Bulktrk | 160 | Driver | Steve |
| Bulktrk | | Driver | |

| | | | |
|----------------|---------------------|--|-----------------|
| CEMENT | | | |
| Amount Ordered | 150 | 60/40 per, 3% CC, 1/2 1B5 per 5 | Flo-Seal |
| Consisting of | | | |
| Common | 90 | 5.00 | 450 |
| Poz. Mix | 60 | 2.25 | 135 |
| Gel. | | | |
| Chloride | 5 | 20.00 | 100. |
| Quickset | | | |
| | Flo Seal 334 | 40.00 | 120. |
| | | Sales Tax | |
| Handling | 90¢ | | 135 |
| Mileage | 3¢ | 14m | 63 |
| | | Sub Total | 100 |
| | | Total | |

| | | |
|---------------------|----------------------|---------------|
| DEPTH of Job | | |
| Reference: | Pumptruck | 36.00 |
| | 1.00 per mile | 14.00 |
| | Sub Total | 374.00 |
| | Tax | |
| | Total | |

Remarks: **Mixed 150 sks Cement down 90' Drill Pipe, came out of hole, Fluid down 10'**

Floating Equipment

RECEIVED
 STATE CONSERVATION COMMISSION
 SEP 21 1990
 CONSERVATION DIVISION
 State of Kansas

15-167-22871-00-00

ALLIED CEMENTING CO., INC. No. 7379

Home Office P. O. Box 31

Russell, Kansas 67665

New

| | | | | | | | | | | | | | | | | |
|---------------------|----------------------------|------------|-------|----------|-----|-------|-----|-------------------|--------|-------------|--------|-----------|--------|--------|---------|--|
| Date | 10-12-89 | Sec. | 22 | Twp. | 13S | Range | 12W | Called Out | 5:00PM | On Location | 8:00PM | Job Start | 9:30PM | Finish | 11:15PM | |
| Lease | JOHNSON | Well No. | A-1 | Location | | | | BUNKER HILL 3E 3N | County | Russell | State | Kansas | | | | |
| Contractor | RED TIGER DRILLING RIG # 8 | | | | | | | | | | | | | | | |
| Type Job | Rotary Plug | | | | | | | | | | | | | | | |
| Hole Size | 7 7/8 | T.D. | 3300' | | | | | | | | | | | | | |
| Csg. | 8 5/8 SURFACE | Depth | 243' | | | | | | | | | | | | | |
| Tbg. Size | | Depth | | | | | | | | | | | | | | |
| Drill Pipe | 5" | Depth | 725' | | | | | | | | | | | | | |
| Tool | | Depth | | | | | | | | | | | | | | |
| Cement Left in Csg. | | Shoe Joint | | | | | | | | | | | | | | |
| Press Max. | | Minimum | — | | | | | | | | | | | | | |
| Meas Line | | Displace | | | | | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | | | |

EQUIPMENT

| | | | |
|--------------|-----|----------|--------------|
| Pumptrk #177 | No. | Cementer | <i>Alvin</i> |
| | | Helper | |
| Pumptrk #146 | No. | Cementer | <i>Ed</i> |
| | | Helper | |
| Bulktrk | | Driver | |
| | | Driver | |

DEPTH of Job

| | | |
|------------|-----------------|--------|
| Reference: | Pump TRUCK chrg | 360.00 |
| | Plug (dry hole) | 20.00 |
| | 1.00 per mile | 14.00 |
| | Sub Total | |
| | Tax | |
| | Total | 394.00 |

Remarks:

- 25 SK @ 725'
- 90 SK @ 660'
- 40 SK @ 290'
- 10 SK @ 40' w/wiper plug
- 15 SK @ Rathole

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To
 FRONTIER OIL COMPANY
 Street 1437 N Franklin
 City Russell State Kan 67665

The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No.
 X Morris Leech Jr.
CEMENT

Amount Ordered 180 SK 6 3/4 6 1/2 gel 3 1/2 cc

Consisting of

| | | | |
|----------|-----|-------------|--------|
| Common | 108 | SKs @ 5.00 | 540.00 |
| Poz. Mix | 22 | SKs @ 2.25 | 162.00 |
| Gel. | 9 | SKs @ 6.75 | 60.75 |
| Chloride | 5 | SKs @ 20.00 | 100.00 |
| Quickset | | | |

Sales Tax

Handling .90 PER SK 162.00

Mileage .03 PER TON mile 75.00

14 mile

Sub Total

Total 1,100.3

Floating Equipment

[Signature]
 RECEIVED
 STATE CORPORATION COMMISSION
 SEP 21 1990

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

15-167-22871-00-00

Phone Plainville 913-434-2812
 Phone Ness City 913-799-3843

ALLIED CEMENTING CO., INC. No. 7516

new

Home Office P. O. Box 31

Russell, Kansas 67665

| | | | | | | | | | | | | | | | |
|---------------------|--------------|----------|------------|------|----------------|----------|-------------------|------------|------|-------------|---------|-----------|-----|--------|---------|
| Date | 10-5-89 | Sec. | 22 | Twp. | 13 | Range | 12 | Called Out | None | On Location | Noon | Job Start | | Finish | 6:20 PM |
| Lease | Johnson | Well No. | A-1 | | | Location | Bunker Hill 3E 3N | | | County | Russell | State | Kan | | |
| Contractor | Red Tiger #8 | | | | | | | | | | | | | | |
| Type Job | Surface | | | | | | | | | | | | | | |
| Hole Size | 12 1/4 | | T.D. | | 251 | | | | | | | | | | |
| Csg. | 8 5/8 | | Depth | | 248 | | | | | | | | | | |
| Tbg. Size | | | Depth | | | | | | | | | | | | |
| Drill Pipe | | | Depth | | | | | | | | | | | | |
| Tool | | | Depth | | | | | | | | | | | | |
| Cement Left in Csg. | 15' | | Shoe Joint | | | | | | | | | | | | |
| Press Max. | | | Minimum | | | | | | | | | | | | |
| Meas Line | ✓ | | Displace | | ✓ | | | | | | | | | | |
| Perf. | | | | | | | | | | | | | | | |

Owner
 To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Frontier Oil Co
Street 1437 N. Franklin
City Russell **State** Kan 67665
 The above was done to satisfaction and supervision of owner agent or contractor

Purchase Order No.
 X Done Dandy
CEMENT

Amount Ordered 140 60/40 3% CC 2% Gel

Consisting of

| | | | |
|----------|----|-------------|--------|
| Common | 84 | SKs @ 5.00 | 420.00 |
| Poz. Mix | 56 | SKs @ 2.25 | 126.00 |
| Gel. | 3 | SKs @ 6.75 | 20.25 |
| Chloride | 4 | SKs @ 20.00 | 80.00 |
| Quickset | | | |

EQUIPMENT

| | | |
|-------------|----------|--------|
| No. | Cementer | McAdoo |
| Pumptrk 177 | Helper | Glenn |
| No. | Cementer | |
| Pumptrk | Helper | |
| Driver | | Laur |
| Bulktrk 22 | Driver | |

Sales Tax

Handling 90¢
Mileage 3¢

| | |
|-----------|--------|
| Sub Total | 126.00 |
| Total | 814.25 |

DEPTH of Job

| | | |
|------------|---------------|--------|
| Reference: | Pump Truck | 360.00 |
| | Plug | 40.00 |
| | 1.00 Perm.ile | 10.00 |
| | Sub Total | |
| | Tax | |
| | Total | 410.00 |

Remarks:

Cement Did Air

RECEIVED
 STATE CORPORATE REGISTRATION

SEP 21 1989

CONSERVATION DIVISION
 Wichita, Kansas

ORIGINAL

15-167-22871-00-00-6

COMPANY FOC FARM Johnson WELL NO. 11
 SEC 22 TWP. 13 RGE 12 LOC. W COUNTY Russell STATE Ks
 CONTRACTOR Red Lion SIZE HOLE 7 1/2 DRILL PIPE 5"
 REMARKS: SIZE PUMP LINERS 6 1/2" LENGTH STROKE 17'

CONFIDENTIAL

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-------|--------------|-------|-----------|
| 700 | | | |
| | | | |
| 05 | | | |
| | | | |
| | 47 | 1/2 | |
| 10 | 4 1/2 | 1/2 | |
| | 48 | 1/2 | |
| | 49 | 1 | Top Flyby |
| | 50 | 1 | |
| | 52 | 2 | |
| 15 | 53 | 1 | |
| | 55 | 2 | |
| | 57 | 2 | |
| | 58 | 1 | |
| | 9:00 | 2 | |
| 20 | 01 | 1 | |
| | 03 | 2 | |
| | 04 | 1 | |
| | 4:13 | 2 | |
| | 14 | 1 | |
| 25 | 16 | 2 | |
| | 17 1/2 | 1 1/2 | |
| | 19 | 1 1/2 | |
| | 21 | 2 | |
| | 23 | 2 | |
| 30 | 25 | 2 | |
| | 27 | 2 | |
| | 29 | 2 | |
| | 30 | 1 | |
| | 32 | 2 | |
| 35 | 34 | 2 | |
| | 37 | 3 | |
| | 39 | 2 | |
| | 42 | 3 | |
| | 44 | 3 | |
| 40 | 47 | 3 | |
| | 50 | 3 | |
| | 53 | 3 | |
| | 56 | 3 | |
| | 59 | 3 | |
| 45 | 1:00 | 3 | |
| | 05 | 3 | |
| | 08 | 3 | Bottom |
| | 09 | 1 | |
| | 10 | 1 | |
| 50 | 11 | 1 | |

NOV 13 1989
 KANSAS GEOLOGICAL SURVEY
 WICHITA BRANCH
 RECEIVED
 STATE CORPORATION COMMISSION

NOV 13 1989
 CONSERVATION DIVISION
 Wichita, Kansas

CONFIDENTIAL

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-------|--------------|------|-------------------|
| 70 | | | |
| | | | KCC |
| | | | JAN 16 1991 |
| 65 | | | |
| | | | |
| | | | |
| 10 | | | RELEASED |
| | | | JAN 16 1991 |
| | | | FROM CONFIDENTIAL |
| 25 | | | |
| | | | |
| | | | |
| 20 | | | |
| | | | |
| | | | |
| | | | |
| 25 | | | |
| | | | |
| | | | |
| 20 | | | |
| | | | |
| | | | |
| 25 | | | |
| | | | |
| | | | |
| 50 | | | |

ORIGINAL DRILLING TIME SHEETS
 Russell Record Print, Russell, Kan.

15-167-22871-00-00

COMPANY *F.O.C.*

FARM *Johnson*

WELL NO *A-1*

SEC. TWP. RGE. LOC.

COUNTY *Russell*

STATE *Ks.*

CONTRACTOR *Red T. Gos #78*

SIZE HOLE *7 7/8*

DRILL PIPE *5"*

REMARKS:

SIZE PUMP LINERS *6 3/4* LENGTH STROKE *14*

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|------------------|-------|---------------|
| 2600 | 2:12 | | |
| | 13 | 1 | |
| | 15 | 2 | |
| | 16 | 1 | |
| | 18 | 2 | |
| 05 | 20 | 2 | |
| | 22 | 2 | |
| | 23 | 1 | |
| | 25 | 2 | |
| | 28 | 3 | |
| 2610 | 31 | 3 | |
| | 34 | 3 | |
| | 36 | 2 | |
| | 37 | 1 | |
| | 38 | 1 | CONN - Jct #1 |
| 15 | 58/59 | 1 | |
| | 3:00 | 1 | |
| | 03 | 3 | |
| | 06 | 3 | |
| | 09 | 3 | |
| 2620 | 11 | 2 | |
| | 14 | 3 | |
| | 18 | 4 | |
| | 21 | 3 | |
| | 24 | 3 | |
| 25 | 27 | 3 | |
| | 30 | 3 | |
| | 33 | 3 | |
| | 36 | 3 | |
| | 39 | 3 | |
| 2630 | 42 | 3 | |
| | 45 | 3 | |
| | 47 | 2 | |
| | 50 | 3 | |
| | 53 | 3 | |
| 35 | 56 | 3 | |
| | 59 | 3 | |
| | 4:02 | 3 | |
| | 05 | 3 | |
| | 09 | 4 | |
| 2640 | 12 | 3 | |
| | 15 | 3 | |
| | 18 | 3 | |
| | 20 | 2 | |
| | 23 | 3 | |
| 45 | 24 1/2 | 1 1/2 | CONN |
| | 30 1/2 | 1 | |
| | 33 | 2 | |
| | 35 | 2 | |
| | 37 | 2 | |
| 2650 | 39 | 2 | |

RECEIVED
STATE CORPORATION COMMISSION
NOV 13 1989
CONSERVATION DIVISION
Wichita, Kansas

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|------------------------|------|----------------------|
| 2650 | 4:39 | | |
| | 44 | 2 | |
| | 47 | 3 | |
| | 50 | 3 | |
| 55 | 53 | 3 | |
| | 56 | 3 | |
| | 59 | 3 | |
| | 5:01 | 2 | |
| | 04 | 3 | PUMP |
| 2660 | 8:33 | 2 | scaped polish rod |
| | 35 | 2 | |
| | 38 | 3 | |
| | 41 | 3 | |
| | 44 | 3 | |
| 65 | 46 | 2 | |
| | 50 | 4 | |
| | 52 | 2 | |
| | 55 | 3 | |
| | 58 | 3 | |
| 2670 | 9:01 | 3 | |
| | 03 | 2 | |
| | 06 | 3 | |
| | 09 | 3 | |
| | 12 | 3 | CONN Displace |
| 25 | 11:05/11:07 | 2 | |
| | 10 | 3 | |
| | 13 | 3 | |
| | 16 | 3 | |
| | 19 | 3 | |
| 2680 | 21 | 2 | |
| | 24 | 3 | |
| | 27 | 3 | |
| | 30 | 3 | |
| | 33 | 3 | |
| 85 | 35 | 2 | |
| | 37 | 2 | |
| | 39 | 2 | |
| | 41 | 2 | |
| | 43 | 2 | |
| 2690 | 46 | 3 | |
| | 48 | 2 | |
| | 51 | 3 | |
| | 54 | 3 | |
| | 56 | 2 | |
| 95 | 58 | 2 | |
| | 01 | 3 | |
| | 03 | 2 | |
| | 05 | 2 | |
| | 07 | 2 | |
| 2700 | 10 | 3 | |

Russell Record Print, Russell, Kan.

15-167-22871-00-00

COMPANY F.O.C. FARM Johnson WELL NO. F-1
 SEC. TWP. RGE. LOC. COUNTY Russell STATE Ks
 CONTRACTOR Red Tiger # 8 SIZE HOLE 7 7/8 DRILL PIPE 5"
 REMARKS: SIZE PUMP LINERS 6 3/4 LENGTH STROKE 14

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|---------------|---------------|---|
| 2700 | 12 | 13 | 3 |
| | 16 | 3 | |
| | 18 | 2 | |
| | 21 | 3 | |
| 05 | 23 | 2 | CONN |
| | 31 | 33 | 2 |
| | 35 | 2 | |
| | 37 | 2 | |
| | 39 | 2 | |
| 2710 | 41 | 2 | |
| | 44 | 3 | |
| | 48 | 4 | |
| | 52 | 4 | |
| | 57 | 5 | |
| 15 | 100 | 3 | |
| | 02 | 2 | |
| | 04 | 2 | |
| | 06 | 2 | |
| | 08 | 2 | |
| 2720 | 11 | 3 | |
| | 14 | 3 | |
| | 18 | 4 | |
| | 21 | 3 | |
| | 23 | 2 | |
| 25 | 25 | 2 | RECEIVED STATE CORPORATION COMMISSION NOV 13 1989 CONSERVATION DIVISION Wichita, Kansas |
| | 28 | 3 | |
| | 31 | 3 | |
| | 35 | 4 | |
| | 39 | 4 | |
| 2730 | 43 | 4 | |
| | 47 | 3 | |
| | 53 | 4 | |
| | 56 | 3 | |
| | 200 | 4 | |
| 35 | 03 | 3 | |
| | 06 | 3 | |
| | 08 | 2 | CONN start Dispac tunk |
| | 15 | 17 | 2 |
| | 19 | 3 | |
| 2740 | 22 | 3 | |
| | 24 | 2 | |
| | 27 | 3 | |
| | 30 | 3 | |
| | 33 | 3 | |
| 45 | 37 | 4 | |
| | 41 | 4 | |
| | 45 | 4 | |
| | 48 | 3 | |
| | 51 | 3 | |
| 2750 | 54 | 3 | |

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|-----------------|---------------|------------|
| 2750 | 254 | 56 | 2 |
| | 58 | 2 | |
| | 3:00 | 2 | |
| | 02 | 2 | |
| 55 | 05 | 3 | |
| | 08 | 3 | |
| | 11 | 3 | |
| | 15 | 4 | |
| | 19 | 4 | |
| 2760 | 22 | 3 | |
| | 26 | 4 | |
| | 30 | 4 | |
| | 33 | 3 | |
| | 35 | 2 | |
| 65 | 39 | 4 | |
| | 43 | 4 | |
| | 47 | 4 | |
| | 50 | 3 | Conn Rivk |
| | 103 | 05 | 2 |
| 2770 | 07 | 2 | |
| | 11 | 4 | |
| | 14 | 3 | |
| | 16 | 2 | |
| | 17 | 1 | |
| 25 | 20 | 3 | |
| | 22 | 2 | |
| | 25 | 3 | |
| | 28 | 3 | |
| | 31 | 3 | |
| 2780 | 35 | 4 | |
| | 39 | 4 | |
| | 43 | 4 | |
| | 47 | 4 | |
| | 51 | 4 | |
| 85 | 55 | 4 | |
| | 57 | 3 | |
| | 02 | 4 | |
| | 06 | 4 | |
| | 11 | 5 | |
| 2790 | 15 | 4 | |
| | 20 | 5 | |
| | 25 | 5 | |
| | 29 | 4 | |
| | 33 | 4 | |
| 95 | 38 | 5 | |
| | 41 | 3 | |
| | 45 | 4 | |
| | 49 | 4 | |
| | 52 | 3 | Conn |
| 2800 | 6:00 | 02 | 2 |
| | | | Call Geol. |

Russell Record Print, Russell, Kan.

15-167-22871-00-00

COMPANY FOC FARM Johnson WELL NO. A #1
 SEC. Twp. TWP. RGE. RGE. LOC. LOC. COUNTY Russell STATE Ks
 CONTRACTOR Tiger # 118 SIZE HOLE 7 7/8 DRILL PIPE 5"
 REMARKS: SIZE PUMP LINERS 6 3/4 LENGTH STROKE 14"

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-------|--------------|------|--|
| 2800 | 6:02 | | |
| 01 | 04 | 2 | coll |
| | 07 | 3 | |
| | 10 | 3 | |
| | 12 | 2 | |
| 05 | 15 | 3 | |
| | 19 | 4 | |
| | 21 | 2 | |
| | 24 | 3 | |
| | 26 | 2 | |
| 10 | 29 | 3 | |
| | 31 | 2 | |
| | 33 | 2 | |
| | 36 | 3 | |
| | 38 | 2 | |
| 15 | 41 | 3 | |
| | 45 | 4 | |
| | 48 | 3 | |
| | 52 | 4 | |
| | 55 | 3 | |
| 20 | 57 | 2 | |
| | 7:00 | 3 | RECEIVED STATE CORPORATION COMMISSION |
| | 04 | 4 | |
| | 08 | 4 | NOV 13 1989 |
| | 11 | 3 | CONSERVATION DIVISION Wichita, Kansas |
| 25 | 15 | 4 | |
| | 18 | 3 | |
| | 22 | 4 | |
| | 26 | 4 | |
| | 30 | 4 | |
| 30 | 34 | 4 | CONN |
| | 41 | 2 | |
| | 46 | 3 | |
| | 48 | 2 | |
| | 51 | 3 | |
| 35 | 53 | 2 | |
| | 56 | 3 | |
| | 8:00 | 4 | |
| | 03 | 3 | |
| | 07 | 4 | |
| 40 | 10 | 3 | |
| | 14 | 4 | |
| | 17 | 3 | |
| | 21 | 4 | |
| | 22 | 1 | |
| 45 | 24 | 2 | |
| | 26 | 2 | |
| | 30 | 4 | |
| | 35 | 5 | |
| | 38 | 3 | |
| 50 | 41 | 3 | |

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-------|--------------|------|-------------------|
| 2850 | 8:41 | | |
| | 43 | 2 | |
| | 46 | 3 | |
| | 48 | 2 | |
| | 51 | 3 | |
| 55 | 53 | 2 | |
| | 56 | 3 | |
| | 58 | 2 | VIS 45 |
| | 9:00 | 2 | WT 9.0 |
| | 03 | 3 | |
| 60 | 05 | 2 | CONN |
| | 10 | 3 | |
| | 16 | 3 | |
| | 19 | 3 | |
| | 22 | 3 | |
| 65 | 26 | 4 | |
| | 30 | 4 | |
| | 38 | 4 | |
| | 38 | 4 | |
| | 41 | 3 | |
| 70 | 45 | 4 | |
| | 49 | 4 | |
| | 53 | 4 | |
| | 56 | 3 | |
| | 10:00 | 4 | |
| 75 | 03 | 3 | |
| | 05 | 2 | |
| | 07 | 2 | |
| | 10 | 3 | |
| | 12 | 2 | |
| 80 | 14 | 2 | s/op - CFS - Pump |
| | 12:25 | 1 | |
| | 31 | 2 | |
| | 33 | 2 | |
| | 35 | 2 | |
| 85 | 37 | 2 | |
| | 40 | 3 | |
| | 42 | 2 | |
| | 45 | 3 | |
| | 47 | 2 | |
| 90 | 50 | 3 | VIS - 47 wt - 8.8 |
| | 51 | 1 | CONN - 12.9 |
| | 1:05/03 | 1 | |
| | 05 | 2 | |
| | 07 | 2 | |
| 95 | 10 | 3 | |
| | 12 | 2 | |
| | 14 | 2 | |
| | 16 | 2 | |
| | 18 | 2 | |
| 2900 | 20 | 2 | |

15-167-22871-00-00

COMPANY F.O.C.

FARM JOHNSON

WELL NO#-1

SEC. TWP. RGE. LOC.

COUNTY RUSSELL

STATE KS

CONTRACTOR Red Tiger #18

SIZE HOLE 7 7/8

DRILL PIPE 5"

REMARKS:

SIZE PUMP LINERS 6 3/4 LENGTH STROKE 14

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|-----------------|-------|----------|
| 2900 | 1:20 | | |
| | 22 | 2 | |
| | 25 | 3 | |
| | 27 | 2 | |
| | 29 | 2 | |
| 05 | 31 | 2 | |
| | 34 | 3 | |
| | 36 | 2 | |
| | 38 | 2 | |
| | 41 | 3 | |
| 10 | 43 | 2 | |
| | 45 | 2 | |
| | 48 | 3 | |
| | 50 | 2 | |
| | 53 | 3 | |
| 15 | 58 | 5 | |
| | 2:02 | 4 | |
| | 06 | 4 | |
| | 10 | 4 | |
| | 14 | 4 | |
| 20 | 18 | 4 | |
| | 22 | 4 | |
| | 27 | 5 | |
| | 37 | 3 | |
| | 41 | 4 | VIS 45 |
| 25 | 46 | 5 | WT 90 |
| | 50 | 4 | |
| | 53 | 3 | |
| | 57 | 4 | |
| | 3:0 1/2 | 3 1/2 | |
| 2930 | 04 | 3 1/2 | Stop |
| | 3:34 | 36 | 2 |
| | 39 | 3 | |
| | 42 | 3 | |
| | 45 | 3 | |
| 25 | 48 | 3 | |
| | 52 | 4 | |
| | 56 | 4 | |
| | 4:00 | 4 | |
| | 04 | 4 | |
| 2940 | 08 | 4 | |
| | 13 | 5 | |
| | 18 | 5 | |
| | 21 | 3 | |
| | 25 | 4 | Stop-CFS |
| 45 | 5:07 | 3 | |
| | 11 | 4 | |
| | 17 | 6 | VIS 44 |
| | 23 | 6 | WT 90 |
| | 29 | 6 | |
| 2950 | 33 | 4 | |

RECEIVED
STATE CORPORATION COMMISSION
NOV 13 1989
CONSERVATION DIVISION
Wichita, Kansas

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|-----------------|------|------------------|
| 2950 | 5:33 | | |
| | 37 | 4 | |
| | 41 | 4 | |
| | 42 | 1 | CONN |
| | 48 | 1 | |
| 55 | 51 | 2 | |
| | 53 | 2 | |
| | 53 1/2 | 1/2 | |
| | 54 | 1/2 | |
| | 55 1/2 | 1/2 | |
| 5960 | 56 1/2 | 1 | |
| | 57 | 1/2 | |
| | 58 | 1 | |
| | 58 1/2 | 1/2 | |
| | 59 | 1/2 | |
| 65 | 6:00 | 1 | |
| | 02 | 2 | |
| | 05 | 3 | |
| | 07 | 2 | |
| | 11 | 4 | |
| 2970 | 15 | 4 | -Stop- |
| | 6:58 | 03 | 4 |
| | 07 | 5 | |
| | 11 | 4 | |
| | 16 | 5 | |
| 75 | 21 | 5 | |
| | 26 | 5 | |
| | 30 | 4 | |
| | 35 | 5 | |
| | 39 | 4 | |
| 2980 | 43 | 4 | |
| | 49 | 6 | |
| | 54 | 5 | |
| | 58 | 6 | |
| | 04 | 4 | CONN |
| 85 | 36 | 3 | |
| | 42 | 3 | |
| | 46 | 4 | |
| | 50 | 4 | |
| | 56 | 6 | |
| 2990 | 9:01 | 5 | Cell Dick |
| | 06 | 5 | 483-2415 |
| | 12 | 6 | |
| | 19 | 7 | |
| | 24 | 5 | |
| 95 | 29 | 5 | |
| | 34 | 5 | -Stop-CFS-30-lol |
| | 10:16 | 29 | 3 |
| | 22 | 3 | |
| | 25 | 3 | |
| 3000 | 27 | 2 | |

Russell Record Print, Russell, Kan.

15-167-22871-00-00

COMPANY FOC FARM Johnson WELL NO. A-1
 SEC 22 TWP. 13. RGE 12 LOC. NENUNU COUNTY Russell STATE Kansas
 CONTRACTOR Red Tiger rig #8 SIZE HOLE 7 7/8 DRILL PIPE 5" XL
 REMARKS: SIZE PUMP LINERS 6 3/4 LENGTH STROKE 14

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|------------------|-------|------------------------|
| 3000 | 10:27 | | |
| | 10:29 | 2 | |
| | 32 | 3 | -SR- |
| | 35 | 3 | |
| | 39 | 4 | |
| 05 | 43 | 4 | |
| | 45 | 2 | |
| | 49 | 4 | |
| | 54 | 5 | |
| | 11:00 | 6 | |
| 3010 | 05 | 5 | -step-CFS- |
| | 11:12 | 2 | |
| | 16 | 4 | |
| | 21 | 5 | |
| | 26 | 5 | |
| 15 | 27 | 1 | Wake Dick |
| | | | CONN - Kelley 1' short |
| | 35 1/2 | 1/2 | |
| | 36 1/2 | 1/2 | VIS 47 |
| | 37 | 1/2 | WT 9.0 |
| 20 | 37 1/2 | 1/2 | step- |
| | 39 3/4 | 1 | |
| | 35 | 1 | |
| | 36 | 1 | |
| | 37 | 1 | |
| 25 | 38 | 1 | |
| | 39 | 1 | |
| | 40 | 1 | |
| | 40 1/2 | 1/2 | |
| | 41 | 1/2 | |
| 30 | 42 | 1 | |
| | 43 | 1 | |
| | 43 1/2 | 1/2 | |
| | 44 | 1/2 | |
| | 45 | 1 | |
| 35 | 45 1/2 | 1/2 | |
| | 46 | 1/2 | |
| | 47 | 1 | |
| | 48 | 1 | |
| | 48 1/2 | 1/2 | |
| 40 | 49 1/2 | 1 | |
| | 50 1/2 | 1 | |
| | 52 | 1 1/2 | |
| | 53 | 1 | |
| | 56 | 3 | |
| 45 | 57 | 1 | |
| | 58 | 1 | |
| | 59 | 1 | CONN |
| | 3:03 | 4 | |
| | 11 | 4 | |
| | 15 | 4 | |

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|---------------|-----------------|------|----------------|
| 50 | 3:15 | | |
| | 3:20 | 5 | |
| | 24 | 4 | |
| | 29 | 5 | |
| | 34 | 5 | |
| 55 | 39 | 5 | |
| | 44 | 5 | |
| | 49 | 5 | |
| | 54 | 5 | |
| | 4:00 | 6 | |
| 60 | 05 | 5 | |
| | 11 | 6 | |
| | 16 | 5 | |
| | 21 | 5 | |
| | 26 | 5 | |
| 65 | 32 | 6 | |
| | 39 | 7 | |
| | 44 | 5 | |
| | 47 | 3 | |
| | 51 | 4 | |
| 70 | 55 | 4 | |
| | 5:00 | 5 | |
| | 03 | 3 | |
| | 07 | 4 | |
| | 11 | 4 | |
| 75 | 15 | 4 | |
| | 19 | 4 | |
| | 25 | 6 | |
| | 30 | 5 | CONN - JET 10' |
| | 41/45 | 4 | |
| 80 | 50 | 5 | |
| | 55 | 5 | ADDP premix |
| | 6:00 | 5 | VIS 42 |
| | 06 | 6 | WT 9.1 |
| | 11 | 5 | |
| 85 | 16 | 5 | |
| | 21 | 5 | |
| | 27 | 6 | |
| | 34 | 7 | |
| | 37 | 3 | |
| 90 | 41 | 4 | |
| | 45 | 4 | |
| | 48 | 3 | |
| | 53 | 5 | |
| | 7:00 | 7 | |
| 95 | 06 | 6 | |
| | 11 | 5 | |
| | 16 | 5 | |
| | 21 | 5 | |
| | 28 | 7 | |
| 3100 | 34 | 6 | |

Russell Record Print, Russell, Kan.

RECEIVED
 STATE CORPORATION COMMISSION
 NOV 13 1989
 CONSERVATION DIVISION
 Wichita, Kansas

15-167-22871-00-00

COMPANY F.O.C. FARM Johnson WELL NO A1
 SEC. TWP. RGE. LOC. COUNTY Russell STATE Ks
 CONTRACTOR Feed yard #8 SIZE HOLE 7 7/8 DRILL PIPE 5"
 REMARKS: SIZE PUMP LINERS 6 3/4 LENGTH STROKE 14"

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|------------------|------|--------------|
| 3100 | 7:34 | 39 | 5 |
| | | 45 | 6 |
| | | 51 | 6 |
| | | 57 | 6 |
| 05 | 8:00 | 06 | change chart |
| | | 11 | 5 |
| | | 13 | 2 |
| | | 14 | 1 |
| | | 16 | 2 |
| 7110 | 8:30 | 34 | 2 |
| | | 37 | 3 |
| | | 40 | 3 |
| | | 43 | 3 |
| | | 46 | 3 |
| 15 | | 49 | 3 |
| | | 52 | 4 |
| | | 57 | 4 |
| | 9:00 | 03 | 3 |
| | | 07 | 3 |
| 20 | | 09 | 4 |
| | | 11 | 2 |
| | | 13 | 2 |
| | | 17 | 4 |
| 25 | | 22 | 5 |
| | | 26 | 4 |
| | | 31 | 5 |
| | | 37 | 6 |
| | | 42 | 5 |
| 30 | | 44 | 2 |
| | | 47 | 3 |
| | | 53 | 6 |
| | | 59 | 6 |
| | 10:05 | 06 | 6 |
| 35 | | 11 | 6 |
| | | 16 | 5 |
| | | 21 | 5 |
| | | 26 | 5 |
| | | 31 | 5 |
| 40 | | 36 | 5 |
| | 12:07 | 05 | 2 |
| | | 07 | 2 |
| | | 10 | 3 |
| | | 14 | 4 |
| 45 | | 18 | 4 |
| | | 22 | 4 |
| | | 27 | 5 |
| | | 30 | 3 |
| | | 34 | 4 |
| 50 | | 39 | 5 |

RECEIVED
STATE CORPORATION COMMISSION

NOV 13 1989

CONSERVATION DIVISION
Wichita, Kansas

CONN R.g ✓

Call Dick

CONN
STOP CFS 30-60

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|------------------|--------|---------|
| 3150 | 12:37 | 44 | 5 |
| 31 | | 49 | 5 |
| | | 53 | 6 |
| | 1:01 | 01 | 6 |
| 55 | | 06 | 5 |
| | | 09 | 3 |
| | | 11 | 2 |
| | | 14 | 3 |
| | | 18 | 4 |
| 60 | | 24 | 6 |
| | | 29 | 5 |
| | | 35 | 6 |
| | | 40 | 5 |
| | | 47 | 7 |
| 65 | | 54 | 7 |
| | 2:01 | 01 | 7 |
| | | 08 | 7 |
| | | 15 | 7 |
| | | 21 | 6 |
| 70 | | 27 | 6 |
| | | 34 | 7 |
| | | 41 | 7 |
| | | 56 1/2 | 5 |
| | | 05 | 4 |
| 75 | | 09 | 4 |
| | | 12 | 3 |
| | | 16 | 4 |
| | | 22 | 6 |
| | | 28 | 6 |
| 80 | | 33 | 5 |
| | | 37 | 4 |
| | | 41 | 4 |
| | | 45 | 4 |
| | | 49 | 4 |
| 85 | | 55 | 6 |
| | 4:01 | 01 | 6 |
| | | 06 | 5 |
| | | 12 | 6 |
| | | 17 | 5 |
| 90 | | 24 | 7 |
| | | 30 | 6 |
| | | 35 | 5 |
| | | 42 | 7 |
| | | 47 | 5 |
| 95 | | 53 | 6 |
| | | 59 | 6 |
| | 5:06 | 06 | 7 |
| | | 13 | 7 |
| | | 20 | 7 |
| 3200 | | 25 | 5 |

vis-4# wt-90

CONN - Jet Hole

ADD PREM.

Call Dick

Russell Record Print, Russell, Kan.

15-167-22871-00-00

COMPANY F.O.C

FARM Johnson

WELL NO. A-1

SEC. TWP. RGE. LOC.

COUNTY Russell

STATE KS

CONTRACTOR Red Tiger #8

SIZE HOLE 7 7/8

DRILL PIPE 5"

REMARKS:

SIZE PUMP LINERS 6 3/4 LENGTH STROKE 14

DATE

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|-----------------|------|---------------|
| 3200 | 5:25 | | |
| | 5:32 | 7 | |
| | 39 | 7 | CONN |
| | 44/50 | 4 | |
| | 55 | 5 | |
| 05 | 59 | 4 | |
| | 6:02 | 3 | |
| | 05 | 3 | vis-48 wt-9.1 |
| | 09 | 4 | |
| | 13 | 4 | |
| 3210 | 17 | 4 | |
| | 22 | 5 | |
| | 29 | 7 | |
| | 35 | 6 | |
| | 42 | 7 | |
| 15 | 49 | 7 | |
| | 54 | 5 | |
| | 7:02 | 8 | |
| | 08 | 6 | |
| | 15 | 7 | |
| 3220 | 21 | 6 | |
| | 27 | 6 | |
| | 33 | 6 | |
| | 39 | 6 | |
| | 44 | 5 | |
| 25 | 50 | 6 | |
| | 56 | 6 | |
| | 8:00 | 4 | |
| | 05 | 5 | |
| | 09 | 4 | |
| 3230 | 13 | 4 | |
| | 16 | 3 | |
| | 19 | 3 | CONN |
| | 23 | 2 | |
| | 40 | 4 | |
| 35 | 43 | 3 | |
| | 46 | 3 | |
| | 50 | 3 | |
| | 55 | 4 | |
| | 59 | 5 | |
| 3240 | 9:03 | 4 | |
| | 08 | 4 | |
| | 14 | 5 | |
| | 20 | 6 | |
| | 25 | 6 | |
| 45 | 30 | 5 | |
| | 34 | 5 | |
| | 37 | 4 | |
| | 41 | 3 | |
| | 46 | 4 | |
| | 51 | 5 | |

RECEIVED
STATE CORPORATION COMMISSION

NOV 13 1989

CONSERVATION DIVISION
Wichita, Kansas

| DEPTH | TIME O'CLOCK | MIN. | REMARKS |
|-----------------|-----------------|------|--------------------|
| 3250 | 7:51 | | |
| 01 | 56 | 5 | Start 5' separator |
| | 10:03 | 5 | set d log |
| | 10 | 7 | |
| | 19 | 7 | |
| 55 | 26 | 9 | |
| | 32 | 7 | |
| | 40 | 6 | |
| | 40 | 8 | |
| | 54 | 7 | |
| 3260 | 11:00 | 7 | |
| | | 0 | |
| | 06 | 6 | |
| | 11 | 5 | conn |
| | 19 | 22 | 3 |
| 65 | 26 | 4 | |
| | 30 | 4 | |
| | 35 | 5 | |
| | 41 | 6 | |
| | 47 | 6 | |
| 3270 | 54 | 7 | |
| | 12:00 | 6 | |
| | 04 | 4 | |
| | 10 | 6 | |
| | 15 | 5 | |
| 75 | 20 | 5 | |
| | 27 | 7 | |
| | 34 | 7 | |
| | 42 | 8 | |
| | 48 | 6 | |
| 3280 | 55 | 7 | |
| | 1:00 | 5 | |
| | 05 | 5 | |
| | 11 | 6 | |
| | 18 | 7 | |
| 85 | 23 | 5 | SR- |
| | 28 | 5 | SR |
| | 33 | 5 | |
| | 39 | 6 | |
| | 43 | 4 | |
| 3290 | 47 | 4 | Step-CFS |
| | 2:44 | 46 | 3 |
| | 48 | 2 | |
| | 51 | 3 | |
| | 53 | 2 | Conn Riq ✓ |
| 95 | 3:15 | 17 | 2 |
| | 19 | 2 | set clac 4 |
| | 21 | 2 | |
| | 25 | 4 | |
| | 27 | 2 | |
| 3300 | 30 | 3 | Step- |