

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

Form ACO
 September 19:
 Form Must Be Type

ORIGINAL

Operator: License # 32429
 Name: CRAWFORD OIL & GAS, INC.
 Address: PO Box 51
 City/State/Zip: Coldwater Ks. 67029
 Purchaser: PRG
 Operator Contact Person: Mark Pinnick
 Phone: (316) 582-2612
 Contractor: Name: DUKE DRILLING CO., INC
 License: 5929
 Wellsite Geologist: Jon Christensen
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
 If Workover/Re-entry: Old Well Info as follows:
 Operator: _____
 Well Name: _____
 Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. CO 10005
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

| | | |
|-----------------------------------|-----------------|-----------------------------------------|
| <u>7-7-00</u> | <u>7-20-00</u> | <u>7-28-00</u> |
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

RECEIVED
 STATE CORPORATION COMMISSION
 OCT 19 2000

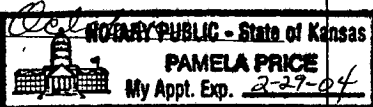
API No. 15 - 033-21099-0000
 County: Comanche
. C N/2 NW Sec. 10 Twp. 34 S. R. 18 East West
585 feet from S (circle one) Line of Section
1290 feet from E (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Basnett Well #: 1
 Field Name: Buttermilk East
 Producing Formation: Mississippi & Viola
 Elevation: Ground: 1874 Kelly Bushing: 1882
 Total Depth: 6100 Plug Back Total Depth: 6020
 Amount of Surface Pipe Set and Cemented at 633 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cml

Drilling Fluid Management Plan ALT 1 11-30-00
 (Data must be collected from the Reserve Pit) P4 A KCR 8/23/07
 Chloride content 38,000 ppm Fluid volume 600 bbls
 Dewatering method used Hauled off
 Location of fluid disposal if hauled offsite: _____
 Operator Name: Gordon Keen
 Lease Name: Harmon License No.: 5993
 Quarter NW Sec. 11 Twp. 33 S. R. 20 East West
 County: Comanche Docket No.: 22304

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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

Signature: [Signature]
 Title: PRESIDENT Date: 10-12-06
 Subscribed and sworn to before me this 12 day of October 2000.
 Notary Public: Pamela Price
 Date Commission Expires: 2-29-04



KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: CRAWFORD OIL & GAS, INC. Lease Name: Basnett
Sec. 10 Twp. 34 S. R. 18 East West County: Comanche Well #: 1

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of Electric Wireline Logs surveyed. Attach final geological well site report.

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)

Log Formation (Top), Depth and Datum Sample
Name Top Datum

List All E. Logs Run:

Neutron
Cement Bond

CASING RECORD New Used

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

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sac's Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Conductor | 20" | | | 40' | 10sk Grout | | |
| Surface | 12 1/4" | 8 5/8" | 24# | 633' | lite | 225 | 3%cc 1/2#Flo |
| Production | 7 7/8" | 4 1/2" | 10.5# | 6068' | Premium | 275 | 1/2#Ka 10%sa |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|-----------------------------------------|------------------|----------------|-------------|----------------------------|
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|
| 6 SPF | 5266-72 5284-92 5306-14 | 1000 gal 15% Acid 12000Gal N2 foam | |
| 6 SPF | 5960-68 | 500 Bbls H2O 670000N2 210sx sand 1000 gal 15% acid | |
| | | | |
| | | | |

TUBING RECORD

| | | | |
|----------------|----------------|-----------------|----------------------------------------------------------------------------------|
| Size 2 3/8" | Set At 5909 | Packer At NA | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|----------------|----------------|-----------------|----------------------------------------------------------------------------------|

Date of First, Resumerd Production, SWD or Enhr.

9-27-00

Producing Method

Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours

Oil Bbls.
5

Gas Mcl
200

Water Bbls.

Gas-Oil Ratio

Gravity

Disposition of Gas

METHOD OF COMPLETION

Vented Sold Used on Lease
(If vented, Sumit ACO-18.)

Open Hole Partial Quality Comp.

Commingled Mississippi/Viola



JOB SUMMARY

ORDER NO. 70006

| | | | |
|----------------------|--------------|------------------|----------|
| TICKET # | 767930 | TICKET DATE | 7-22-00 |
| BDA / STATE | Ks | COUNTY | Franklin |
| PSL DEPARTMENT | 21 | ORIGINAL | |
| CUSTOMER REP / PHONE | Mark Pennick | | |
| API / UWI # | | | |
| DEPARTMENT | Cement | JOB PURPOSE CODE | 035 |
| SEC / TWP / RNG | 10-345-18W | | |

| | | | |
|----------------|-------------------|-----------------|--------------------|
| REGION | North America | NWA/COUNTRY | MidCont USA |
| MBU ID / EMP # | MCL10110 106328 | EMPLOYEE NAME | Nick Korbe |
| LOCATION | Liberal | COMPANY | Crawford Oil & Gas |
| TICKET AMOUNT | \$12,144.50 | WELL TYPE | 01 |
| WELL LOCATION | 3E of Butter milk | DEPARTMENT | Cement |
| LEASE / WELL # | Basnett #1 | SEC / TWP / RNG | 10-345-18W |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS |
|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| N. Korbe, 106328 | 11 | | | | | | |
| R. Elwood, 106270 | 11 | | | | | | |
| S. Howell, 106949 | 10 | | | | | | |

| HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES |
|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| 421270 | 230 | | | | | | |
| 54219/78299 | 230 | | | | | | |
| 59248/77031 | 300 | | | | | | |

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

| DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------|------------|-------------|-------------|---------------|
| 7-22-00 | 0330 | 0830 | 1300 | 1745 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY | MAKE |
|-----------------------|-----|----------------|
| Float Collar 4 1/2 | 1 | H ₀ |
| Float Shoe | | H ₀ |
| Guide Shoe | 1 | W |
| Centralizers Reg 5/8" | 5 | C |
| Bottom Plug | | |
| Top Plug LD 3 1/2" | 1 | D |
| Head | | |
| Packer | | |
| Other | | |

WELL DATA

| | NEW/USED | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|--------------|----------|--------|-------|------|----|-----------|
| Casing | N | 10.5 | 4 1/2 | 0 | | |
| Liner | | | | | | |
| Liner | | | | | | |
| Tbg/D.P. | | | | | | |
| Tbg/D.P. | | | | | | |
| Open Hole | | | | | | SHOTS/FT. |
| Perforations | | | | | | |
| Perforations | | | | | | |
| Perforations | | | | | | |

MATERIALS

| | | |
|----------------|---------|--------|
| Treat Fluid | Density | Lb/Gal |
| Disp. Fluid | Density | Lb/Gal |
| Prop. Type | Size | Lb. |
| Prop. Type | Size | Lb. |
| Acid Type | Gal. | % |
| Acid Type | Gal. | % |
| Surfactant | Gal. | In |
| NE Agent | Gal. | In |
| Fluid Loss | Gal/Lb | In |
| Gelling Agent | Gal/Lb | In |
| Fric. Red. | Gal/Lb | In |
| Breaker | Gal/Lb | In |
| Blocking Agent | Gal/Lb | |
| Perfpac Balls | Qty. | |
| Other | | |
| Other | | |
| Other | | |
| Other | | |

| HOURS ON LOCATION | | OPERATING HOURS | | DESCRIPTION OF JOB |
|-------------------|--------|-----------------|-------|--------------------|
| DATE | HOURS | DATE | HOURS | |
| 7-22-00 | 11 hrs | 7-22-00 | 1 hr | 035 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTAL | 11 hrs | TOTAL | 1 hr | |

| | | | |
|---------|----------------------|--------|---------|
| ORDERED | HYDRAULIC HORSEPOWER | Avail. | Used |
| TREATED | AVERAGE RATES IN BPM | Disp. | Overall |
| FEET | CEMENT LEFT IN PIPE | Reason | sh. jt. |
| 42 | | | |

CEMENT DATA

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/GAL |
|-------|-------|---------|----------|----------------------------------------------------------------|-------|---------|
| | 300 | Bem "H" | B | 5% Calseal, 10% salt, 75% H ₂ O - 322, 5% Gilsontic | 1.29 | 15.6 |
| | | | | | | |
| | | | | | | |

| | | | | |
|------------------|---------------|--------------|-----------|-----------------|
| Circulating | Displacement | Preflush: | Gal - BBI | Type |
| Breakdown | Maximum | Load & Bkdn: | Gal - BBI | Pad: BBI - Gal |
| Average | Frac Gradient | Treatment | Gal - BBI | Disp: BBI - Gal |
| Shut In: Instant | 5 Min | Cement Slurr | Gal - BBI | 70 |
| | 15 Min | Total Volume | Gal - BBI | |

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE: *Mark Pennick*

| | | | |
|----------------------|--------------|-------------|----------|
| TICKET # | 767930 | TICKET DATE | 7-22-00 |
| BDA / STATE | Ks | COUNTY | Comanche |
| PSL DEPARTMENT | 2' ORIGINAL | | |
| CUSTOMER REP / PHONE | Mark Pennick | | |
| API / UWI # | | | |
| JOB PURPOSE CODE | 035 | | |

| | | | |
|----------------|------------------|-----------------|----------------|
| REGION | North America | NWA/COUNTRY | MidCont USA |
| MBU ID / EMP # | MCL10110 106328 | EMPLOYEE NAME | Nick Korbe |
| LOCATION | Liberal | COMPANY | Crowford O & G |
| TICKET AMOUNT | \$12,144.50 | WELL TYPE | 01 |
| WELL LOCATION | 3E of Buttermilk | DEPARTMENT | Cement |
| LEASE / WELL # | Barnett #1 | SEC / TWP / RNG | 10-345-18W |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS |
|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| N. Korbe, 106328 | 11 | | | | | | |
| R. Floward, 106270 | 11 | | | | | | |
| S. Howell, 106949 | 10 | | | | | | |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|-----|-----------------------------|
| | | | | T | C | Tbg | Csg | |
| | 0830 | | | | | | | called out on loc |
| | 0830 | | | | | | | Hold Safety, set up tanks |
| | | | | | | | | rig LDDP |
| | 1230 | | | | | | | st FE |
| | 1550 | | | | | | | Break Circ |
| | 1630 | 1 1/2 | 3/3 | | | | | Play R/H + M/H |
| | 1648 | | | | | 2500 | | Test lines |
| | 1651 | 2.5 | 0 | | | 400 | | st Mud Flush |
| | 1656 | 6 | 12/0 | | | 450 | | st Cement 300 sks @ 15.6 lb |
| | 1713 | | 69 | | | | | end cement |
| | 1715 | | | | | | | wash pump line |
| | 1717 | | | | | | | set plug |
| | 1718 | 6 | 0 | | | 75 | | st disp |
| | 1728 | 6 | 65 | | | 250 | | catchment |
| | 1733 | 2 | 86 | | | 750 | | st cement |
| | 1738 | | 96 | | | 8.4/100 | | Bump plug |
| | 1739 | | | | | | | rel press |
| | | | | | | | | Hold held |

Job complete
Thank you
Nick & crew

JOB SUMMARY

ORDER NO. 70006

TICKET # **767930** TICKET DATE **7-22-00**

| | | | |
|------------------------------------------|------------------------------------------|---------------------------------------------|---------------------------|
| REGION North America | NW/COUNTRY MidCont USA | BDA / STATE Ks | COUNTY Comanche |
| MBU ID / EMP # MCL10110 106328 | EMPLOYEE NAME Nick Korbe | PSL DEPARTMENT 21 ORIGINAL | |
| LOCATION Liberal | COMPANY Crawford Oil & Gas | CUSTOMER REP / PHONE Mark Pennick | |
| TICKET AMOUNT \$12,144.50 | WELL TYPE 01 | API / UWI # | |
| WELL LOCATION 3500 Butter-milk | DEPARTMENT Coast | JOB PURPOSE CODE 035 | |
| LEASE / WELL # Rasort #1 | SEC / TWP / RNG 10-345-18W | | |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) | HRS |
|------------------------------------|-----------|------------------------------------|-----|------------------------------------|-----|------------------------------------|-----|
| N. Korbe 106328 | 11 | | | | | | |
| R. Howard 106270 | 11 | | | | | | |
| S. Howell 106949 | 10 | | | | | | |

| HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES |
|--------------------|------------|------------------|-----------|------------------|-----------|------------------|-----------|
| 421270 | 230 | | | | | | |
| 54219778299 | 230 | | | | | | |
| 59248177031 | 300 | | | | | | |

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

| DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|----------------|-------------|-------------|-------------|---------------|
| 7-22-00 | 0830 | 0830 | 1700 | 1745 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY | MAKE |
|------------------------------|----------|------------|
| Float Collar 4 1/2 | 1 | H/O |
| Float Shoe | 1 | H/O |
| Guide Shoe Reg | 1 | W |
| Centralizers 304 | 5 | C |
| Bottom Plug | 1 | D |
| Top Plug 1 D 3 1/2 in | 1 | D |
| Head | | |
| Packer | | |
| Other | | |

WELL DATA

| | NEW/USED | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|---------------------|----------|-------------|--------------|----------|----|------------------|
| Casing | N | 10.5 | 4 1/2 | 0 | | |
| Liner | | | | | | |
| Liner | | | | | | |
| Tbg/D.P. | | | | | | |
| Tbg/D.P. | | | | | | |
| Open Hole | | | | | | SHOTS/FT. |
| Perforations | | | | | | |
| Perforations | | | | | | |
| Perforations | | | | | | |

MATERIALS

| Treat Fluid | Density | Lb/Gal |
|----------------|---------|--------|
| Disp. Fluid | Density | Lb/Gal |
| Prop. Type | Size | Lb. |
| Prop. Type | Size | Lb. |
| Acid Type | Gal. | % |
| Acid Type | Gal. | % |
| Surfactant | Gal. | In |
| NE Agent | Gal. | In |
| Fluid Loss | Gal/Lb | In |
| Gelling Agent | Gal/Lb | In |
| Fric. Red. | Gal/Lb | In |
| Breaker | Gal/Lb | In |
| Blocking Agent | Gal/Lb | |
| Perfpac Balls | Qty. | |
| Other | | |
| Other | | |
| Other | | |
| Other | | |

| HOURS ON LOCATION | | OPERATING HOURS | | DESCRIPTION OF JOB |
|-------------------|---------------|-----------------|-------------|--------------------|
| DATE | HOURS | DATE | HOURS | |
| 7-22-00 | 11 hrs | 7-22-00 | 1 hr | 035 |
| TOTAL | 11 hrs | TOTAL | 1 hr | |

HYDRAULIC HORSEPOWER

ORDERED _____ Avail. _____ Used _____

AVERAGE RATES IN BPM

TREATED _____ Disp. _____ Overall _____

CEMENT LEFT IN PIPE

FEET **42** Reason **sh. jt.**

CEMENT DATA

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/GAL |
|-------|------------|----------------|----------|--------------------------------------------------|-------------|-------------|
| | 300 | Ace "H" | B | 5% Absent, 1% salt, 75% H2O, 5% Gilsomite | 1.27 | 15.6 |

| | | | |
|------------------------|--------------------------|----------------------------------|--------------------------|
| Circulating _____ | Displacement _____ | Preflush: Gal - BBI _____ | Type _____ |
| Breakdown _____ | Maximum _____ | Load & Bkdn: Gal - BBI _____ | Pad: BBI - Gal _____ |
| Average _____ | Frac Gradient _____ | Treatment Gal - BBI _____ | Disp: BBI - Gal 2 |
| Shut In: Instant _____ | 5 Min _____ 15 Min _____ | Cement Slurr Gal - BBI 70 | |
| | | Total Volume Gal - BBI _____ | |

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER'S REPRESENTATIVE SIGNATURE
Mark Pennick

JOB LOG

ORDER NO. 70006

TICKET #

767930

TICKET DATE

7-27-00

| | | | |
|------------------------------------|-------------------------------|--------------------------------------|--------------------|
| REGION North America | NWA/COUNTRY MidCont USA | BDA / STATE KS | COUNTY Comanche |
| MBU ID / EMP # MCL10110 106328 | EMPLOYEE NAME Nick Kerbe | PSL DEPARTMENT 2 ORIGINAL | |
| LOCATION Liberal | COMPANY Crown Pnt O & G | CUSTOMER REP / PHONE Mark Pennick | |
| TICKET AMOUNT \$12,144.50 | WELL TYPE 01 | API / UWI # | |
| WELL LOCATION 31 at Butter-milk | DEPARTMENT Comanch | JOB PURPOSE CODE 035 | |
| LEASE / WELL # Larnett #1 | SEC / TWP / RNG 10-34S-18W | | |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| N. Kerbe, 106328 11 | | | |
| B. Flued, 106220 11 | | | |
| S. Howell, 106949 10 | | | |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|-----|---------------------------|
| | | | | T | C | Tbg | Csg | |
| | 0830 | | | | | | | called out |
| | 0830 | | | | | | | enter |
| | | | | | | | | Hold Safety |
| | | | | | | | | set up T&S |
| | | | | | | | | Fig 1 DDP |
| | 1230 | | | | | | | st FF |
| | 1550 | | | | | | | Break circ |
| | 1630 | 1 1/2 | 3/3 | | | | | Plug R117MH |
| | 1648 | | | | | 250 | | Test lines |
| | 1651 | 2.5 | 0 | | | 400 | | st Mud Flush |
| | 1656 | 6 | 12/10 | | | 450 | | st Cement 300cks @ 15.6 # |
| | 1713 | | 69 | | | | | and cement |
| | 1715 | | | | | | | work pump down |
| | 1717 | | | | | | | ret plug |
| | 1718 | 6 | 0 | | | 75 | | st dump |
| | 1728 | 6 | 65 | | | 350 | | catchment |
| | 1733 | 2 | 86 | | | 250 | | concrete |
| | 1738 | | 96 | | | 400 | | Bump plug |
| | 1739 | | | | | | | ret for cut |
| | | | | | | | | Next hold |

Job complete
Thank you
Nick & crew



JOB SUMMARY

ORDER NO. 70006

| | | | |
|----------------------|--------------|------------------|---------|
| TICKET # | 767930 | TICKET DATE | 7-22-00 |
| BDA / STATE | Ks | COUNTY | Osage |
| PSL DEPARTMENT | 21 | ORIGINAL | |
| CUSTOMER REP / PHONE | Mark Pennick | | |
| API / UWI # | | | |
| DEPARTMENT | Cement | JOB PURPOSE CODE | 035 |
| SEC / TWP / RNG | 10-345-18W | | |

| | | | |
|----------------|-------------------|-----------------|------------------|
| REGION | North America | NWA/COUNTRY | MidCont USA |
| MBU ID / EMP # | MCL10110 106328 | EMPLOYEE NAME | Nick Karbe |
| LOCATION | Liberal | COMPANY | Crowford Oil Gas |
| TICKET AMOUNT | \$12,144.50 | WELL TYPE | 01 |
| WELL LOCATION | 35 at Batter-milk | DEPARTMENT | Cement |
| LEASE / WELL # | Bassett #1 | SEC / TWP / RNG | 10-345-18W |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS |
|----------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| N. Karbe, 106328 11 | | | |
| R. L. Linnard, 106270 11 | | | |
| S. Howell, 106949 10 | | | |

| HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES | HES UNIT NUMBERS | R/T MILES |
|------------------|-----------|------------------|-----------|------------------|-----------|------------------|-----------|
| 421270 | 230 | | | | | | |
| 54219/77299 | 230 | | | | | | |
| 59248/77031 | 300 | | | | | | |

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Misc. Data _____ Total Depth _____

| DATE | CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|---------|------------|-------------|-------------|---------------|
| 7-22-00 | 0330 | 0830 | 1300 | 1745 |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY | MAKE |
|--------------------|-----|------|
| Float Collar 4 1/2 | 1 | H |
| Float Shoe | 1 | H |
| Guide Shoe | 1 | H |
| Centralizers 3/4 | 5 | C |
| Bottom Plug | | |
| Top Plug 1 D 3 1/2 | 1 | D |
| Head | | |
| Packer | | |
| Other | | |

WELL DATA

| | NEW/USED | WEIGHT | SIZE | FROM | TO | MAX ALLOW |
|--------------|----------|--------|-------|------|----|-----------|
| Casing | N | 10.5 | 4 1/2 | 0 | | |
| Liner | | | | | | |
| Liner | | | | | | |
| Tbg/D.P. | | | | | | |
| Tbg/D.P. | | | | | | |
| Open Hole | | | | | | SHOTS/FT. |
| Perforations | | | | | | |
| Perforations | | | | | | |
| Perforations | | | | | | |

MATERIALS

| Treat Fluid | Density | Lb/Gal |
|----------------------------------------------|---------|--------|
| Disp. Fluid <td>Density</td> <td>Lb/Gal</td> | Density | Lb/Gal |
| Prop. Type <td>Size</td> <td>Lb.</td> | Size | Lb. |
| Prop. Type <td>Size</td> <td>Lb.</td> | Size | Lb. |
| Acid Type <td>Gal.</td> <td>%</td> | Gal. | % |
| Acid Type <td>Gal.</td> <td>%</td> | Gal. | % |
| Surfactant <td>Gal.</td> <td>In</td> | Gal. | In |
| NE Agent <td>Gal.</td> <td>In</td> | Gal. | In |
| Fluid Loss <td>Gal/Lb</td> <td>In</td> | Gal/Lb | In |
| Gelling Agent <td>Gal/Lb</td> <td>In</td> | Gal/Lb | In |
| Fric. Red. <td>Gal/Lb</td> <td>In</td> | Gal/Lb | In |
| Breaker <td>Gal/Lb</td> <td>In</td> | Gal/Lb | In |
| Blocking Agent <td>Gal/Lb</td> <td></td> | Gal/Lb | |
| Perpac Balls <td>Qty.</td> <td></td> | Qty. | |
| Other | | |
| Other | | |
| Other | | |
| Other | | |

| HOURS ON LOCATION | | OPERATING HOURS | | DESCRIPTION OF JOB |
|-------------------|---------------|-----------------|-------------|--------------------|
| DATE | HOURS | DATE | HOURS | |
| 7-22-00 | 11 hrs | 7-22-00 | 1 hr | 035 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| TOTAL | 11 hrs | TOTAL | 1 hr | |

HYDRAULIC HORSEPOWER
 ORDERED Avail. _____ Used _____
AVERAGE RATES IN BPM
 TREATED Disp. _____ Overall _____
CEMENT LEFT IN PIPE
 FEET 42 Reason sh.jt.

CEMENT DATA

| STAGE | SACKS | CEMENT | BULK/SKS | ADDITIVES | YIELD | LBS/GAL |
|-------|-------|----------|----------|-------------------------------------------------|-------|---------|
| | 300 | Portland | B | 5% Calceate, 1% salt, 1% 90, 2% 22, 5% Gibonite | 1.27 | 156 |
| | | | | | | |
| | | | | | | |

| | | | |
|------------------------|--------------------------|------------------------------|----------------------|
| Circulating _____ | Displacement _____ | Preflush: Gal - BBI _____ | Type _____ |
| Breakdown _____ | Maximum _____ | Load & Bkdn: Gal - BBI _____ | Pad: BBI - Gal _____ |
| Average _____ | Frac Gradient _____ | Treatment Gal - BBI _____ | Disp: BBI - Gal 76 |
| Shut In: Instant _____ | 5 Min _____ 15 Min _____ | Cement Slurr Gal - BBI 70 | |
| | | Total Volume Gal - BBI _____ | |

Frac Ring #1 _____ Frac Ring #2 _____ Frac Ring #3 _____ Frac Ring #4 _____

THE INFORMATION STATED HEREIN IS CORRECT CUSTOMER'S REPRESENTATIVE SIGNATURE: *Mark Pennick*

| | | | |
|-----------------------------------|-------------------------------|--------------------------------------|---------------------|
| REGION North America | NWA/COUNTRY MidCont USA | BDA / STATE KS | COUNTY Sedgewick |
| MBU ID / EMP # MCL10110 106328 | EMPLOYEE NAME Nick Karbe | PSL DEPARTMENT 21 | ORIGINAL |
| LOCATION Liberal | COMPANY Crowland O & G | CUSTOMER REP / PHONE Mark Pennick | |
| TICKET AMOUNT \$ 12,144.50 | WELL TYPE 01 | API / UWI # | |
| WELL LOCATION 31st Buttrick | DEPARTMENT Cement | JOB PURPOSE CODE 035 | |
| LEASE / WELL # Basnett #1 | SEC / TWP / RNG 10-34S-18W | | |

| HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS | HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| N. Karbe 106328 11 | | | |
| R. Flanagan 106270 11 | | | |
| S. Howell 106999 10 | | | |

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL)(GAL) | PUMPS | | PRESS. (psi) | | JOB DESCRIPTION / REMARKS |
|-----------|------|------------|-------------------|-------|---|--------------|-----|-----------------------------|
| | | | | T | C | Tbg | Csg | |
| | 0830 | | | | | | | called out |
| | 0830 | | | | | | | enter |
| | | | | | | | | Hold Safely |
| | | | | | | | | set up tools |
| | | | | | | | | 17/ DDP |
| | 1230 | | | | | | | 44 FE |
| | 1550 | | | | | | | Break size |
| | 1630 | 1 1/2 | 3/3 | | | | | Play R/H 7 AMH |
| | 1648 | | | | | 2500 | | Test lines |
| | 1651 | 2.5 | 0 | | | 400 | | at Mod Flash |
| | 1656 | 6 | 12/0 | | | 450 | | at Cement 300 c.s. @ 15.6 # |
| | 1713 | | 69 | | | | | and cement |
| | 1715 | | | | | | | unsp pump time |
| | 1717 | | | | | | | plug |
| | 1718 | 6 | 0 | | | 75 | | at disp |
| | 1728 | 6 | 65 | | | 250 | | catchment |
| | 1733 | 2 | 86 | | | 250 | | clearance |
| | 1738 | | 96 | | | 250 | | Remove plug |
| | 1739 | | | | | | | at 100 c.s. |
| | | | | | | | | 1700 hold |

Job complete
Thank you
Nick & crew

ALLIED CEMENTING CO., INC.

4448

Federal Tax I.D.#

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: med lodge

| DATE | SEC | TWP | RANGE | CALLED OUT | ON LOCATION | JOB START | JOB FINISH |
|--------------------------------------|-----|-----|-------|----------------------------------------|-------------|-----------------------|-----------------|
| 7-8-00 | 10 | 34 | 18 | 11:40 a.m. | 1:00 a.m. | 8:00 a.m. | 9:00 a.m. |
| LEASE <u>Basnett</u> WELL # <u>1</u> | | | | LOCATION <u>Buttermilk, 3E-10N-E/S</u> | | COUNTY <u>Comanch</u> | STATE <u>KS</u> |
| OLD OR NEW (Circle one) | | | | | | | |

| | |
|-----------------------------------|-------------------------------------|
| CONTRACTOR <u>Duke Drq</u> | OWNER <u>Crawford Oil & Gas</u> |
| TYPE OF JOB <u>Surface CSG</u> | |
| HOLE SIZE <u>12 1/4</u> | T.D. <u>633</u> |
| CASING SIZE <u>85/8 X 2.4</u> | DEPTH <u>623</u> |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL | DEPTH |
| PRES. MAX <u>300</u> | MINIMUM <u>100</u> |
| MEAS. LINE | SHOE JOINT <u>3.5145</u> |
| CEMENT LEFT IN CSG. | |
| PERFS. | |
| DISPLACEMENT <u>37 1/4 Bbls</u> | |
| EQUIPMENT | |
| PUMP TRUCK CEMENTER <u>Larry</u> | |
| # <u>343</u> HELPER <u>Justin</u> | |
| BULK TRUCK | |
| # <u>240</u> DRIVER <u>Mike</u> | |
| BULK TRUCK | |
| # | DRIVER |
| | TOTAL <u>\$3367.65</u> |

| REMARKS: | SERVICE |
|------------------------------------------------------|-----------------------------------------------------|
| <u>Pipe on Bottom - Break Circ.</u> | |
| <u>Pump 225 SK ALW + 3% CC + 1/4</u> | DEPTH OF JOB <u>623'</u> |
| <u>Ep-Seal Pump 100 SK CLASS A + 3% CC</u> | PUMP TRUCK CHARGE <u>0-300'</u> <u>470.00</u> |
| <u>2% Gel Release Plug Displace Plug</u> | EXTRA FOOTAGE <u>323</u> @ <u>.43</u> <u>139.89</u> |
| <u>W/ 37 1/4 Bbls Fresh H₂O Pump Plug</u> | MILEAGE <u>50</u> @ <u>3.00</u> <u>150.00</u> |
| <u>SWH in Cement D'd Circ</u> | PLUG TRP <u>878'</u> @ <u>90.00</u> <u>90.00</u> |
| | |
| | |
| | TOTAL <u>\$1848.89</u> |

CHARGE TO: Duke Drq Co Inc
 STREET Box 823
 CITY Heart Bend STATE Ko ZIP 67530

| FLOAT EQUIPMENT | |
|-----------------|-------------------------------|
| 1" Baffle Plate | @ <u>45.00</u> <u>45.00</u> |
| 1" Centralizer | @ <u>30.00</u> <u>30.00</u> |
| 1" BASKET | @ <u>150.00</u> <u>150.00</u> |
| | @ |
| | @ |
| | TOTAL <u>\$225.00</u> |

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX BTD
 TOTAL CHARGE 4448.84
 DISCOUNT 888.31 IF PAID IN 30 DAYS
\$3560.53
 SIGNATURE Mike Godfrey
 PRINTED NAME MIKE Godfrey

SIGNATURE * Mike Godfrey

ALLIED CEMENTING CO., INC.

ORIGINAL

Federal Tax I.D. []

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
med lodge

| | | | | | | | |
|-------------------------|--------|--------|------------------------------------|-----------------------|-----------------------|---------------------|----------------------|
| DATE 7-8-00 | SEC 10 | TWP 34 | RANGE 18 | CALLED OUT 11:40 A.M. | ON LOCATION 4:00 A.M. | JOB START 8:00 A.M. | JOB FINISH 9:00 A.M. |
| LEASE Barnett Well # 1 | | | LOCATION Buttermilk, 3 S. 100. E/S | COUNTY Comanch | STATE K.S. | | |
| OLD OR NEW (Circle one) | | | | | | | |

| | |
|-----------------------------------|-----------------------------------------------------|
| CONTRACTOR <u>Duke Drq.</u> | OWNER <u>C Crawford Oil & Gas</u> |
| TYPE OF JOB <u>Surface CSQ</u> | CEMENT |
| HOLE SIZE <u>12 1/4</u> | AMOUNT ORDERED <u>225 SX ALW + 3%cc</u> |
| CASINO SIZE <u>85/8 X 24</u> | <u>1/2" EPB Seal 100 SX CLASS A + 3%cc</u> |
| TUBING SIZE _____ | <u>2% Gel</u> |
| DEPTH _____ | COMMON <u>A 100</u> @ <u>6.35</u> <u>635.00</u> |
| DRILL PIPE _____ | POZMIX _____ @ _____ |
| TOOL _____ | GEL _____ @ <u>9.50</u> <u>19.00</u> |
| PRES. MAX <u>300</u> | CHLORIDE <u>11</u> @ <u>28.00</u> <u>308.00</u> |
| MEAS. LINE _____ | <u>ALW 225</u> @ <u>6.00</u> <u>1350.00</u> |
| CEMENT LEFT IN CSQ _____ | <u>EPB SEAL 56#</u> @ <u>1.15</u> <u>64.40</u> |
| PERFS _____ | _____ @ _____ |
| DISPLACEMENT <u>37 1/4 BBS</u> | _____ @ _____ |
| EQUIPMENT _____ | _____ @ _____ |
| PUMP TRUCK CEMENTER <u>Larry</u> | HANDLING <u>325</u> @ <u>1.05</u> <u>341.25</u> |
| # <u>343</u> HELPER <u>Justin</u> | MILEAGE <u>225 X .50</u> @ <u>.04</u> <u>650.00</u> |
| BULK TRUCK _____ | |
| # <u>240</u> DRIVER <u>Mike</u> | |
| BULK TRUCK _____ | |
| # _____ DRIVER _____ | TOTAL <u>\$13367.65</u> |

REMARKS:

Pipe on Bottom - Break Circ.
Pump 225 SX ALW + 3%cc + 1/4
EP-SEAL Pump 100 SX CLASS A + 3%cc
2% Gel Release Plug Displace Plug
w/ 37 1/4 BBS Fresh H₂O Pump Plug
Switch to Cement D & Circ.

SERVICE

| | |
|---------------------------------|-----------------------------|
| DEPTH OF JOB <u>6.23'</u> | |
| PUMP TRUCK CHARGE <u>0-300'</u> | <u>470.00</u> |
| EXTRA FOOTAGE <u>323</u> | @ <u>43</u> <u>139.69</u> |
| MILEAGE <u>37</u> | @ <u>3.00</u> <u>150.00</u> |
| PLUG TRP <u>878'</u> | @ <u>90.00</u> <u>90.00</u> |
| _____ | @ _____ |
| _____ | @ _____ |
| _____ | @ _____ |
| | TOTAL <u>\$1848.69</u> |

CHARGE TO: Duke Drq. Co. Inc.
STREET Box 823
CITY Heat Bend STATE Ko ZIP 67530

FLOAT EQUIPMENT

| | |
|-------------------------|-------------------------------|
| <u>1 - BATTLE PLATE</u> | @ <u>45.00</u> <u>45.00</u> |
| <u>1 - Centralizer</u> | @ <u>30.00</u> <u>30.00</u> |
| <u>1 - BASKET</u> | @ <u>150.00</u> <u>150.00</u> |
| _____ | @ _____ |
| _____ | @ _____ |
| | TOTAL <u>\$225.00</u> |

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX Big
TOTAL CHARGE 444.94
DISCOUNT 888.31 IF PAID IN 30 DAYS
3553.23
Mike Godfrey
PRINTED NAME

SIGNATURE * Mike Godfrey

ALLIED CEMENTING CO., INC. 4448

Federal Tax I.D. #

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
med Lodge

ORIGINAL

| | | | | | | | | | | | | | | | |
|------------|------------------|--------------|----|----------|----|-------|----------------------------|------------|------------|-------------|-----------|-----------|-----------|------------|-----------|
| DATE | 7-8-00 | SEC | 10 | TWP | 34 | RANGE | 18 | CALLED OUT | 11:40 A.M. | ON LOCATION | 4:00 A.M. | JOB START | 8:00 A.M. | JOB FINISH | 9:00 A.M. |
| LEASE | Basnett Well # 1 | | | LOCATION | | | Buttermilk, 3 S. 10 N. E/4 | | | COUNTY | Comanch | STATE | KS | | |
| OLD OR NEW | | (Circle one) | | | | | | | | | | | | | |

| | | | |
|---------------------|----------------|------------|--------------------|
| CONTRACTOR | Duke Dry | OWNER | Crawford Oil & Gas |
| TYPE OF JOB | Surface CSG | CEMENT | |
| HOLE SIZE | 12 1/4 | I.D. | 6.33 |
| CASING SIZE | 8 5/8 x 2.4 | DEPTH | 623 |
| TUBING SIZE | | DEPTH | |
| DRILL PIPE | | DEPTH | |
| TOOL | | DEPTH | |
| PRES. MAX | 300 | MINIMUM | 100 |
| MEAS. LINE | | SHOE JOINT | 3.5 in |
| CEMENT LEFT IN CSG. | | | |
| PERFS. | | | |
| DISPLACEMENT | 37 1/4 Bbls | | |
| EQUIPMENT | | | |
| PUMP TRUCK | CEMENTER Larry | | |
| # | 343 | HELPER | Justin |
| BULK TRUCK | | | |
| # | 240 | DRIVER | Mike |
| BULK TRUCK | | | |
| # | | DRIVER | |

| | | | | | |
|----------|-----------|---|-------|---------|------------|
| COMMON A | 100 | @ | 6.35 | 635.00 | |
| POZ MIX | | @ | | | |
| GEL | 2 | @ | 9.50 | 19.00 | |
| CHLORIDE | 11 | @ | 28.00 | 308.00 | |
| AW | 225 | @ | 6.00 | 1350.00 | |
| Epo-SEAL | 56# | @ | 1.15 | 64.40 | |
| | | @ | | | |
| | | @ | | | |
| HANDLING | 325 | @ | 1.05 | 341.25 | |
| MILEAGE | 325 x .50 | @ | .04 | 650.00 | |
| | | | | TOTAL | \$43367.65 |

REMARKS:

Pipe on Bottom - Break Circ.
 Pump 225 SK ALW + 3%cc + 14
 Epo-Seal Pump 100 SK CLASS A + 3%cc
 2% Gel Release Plug Displace Plug
 w/ 37 1/4 Bbls Fresh H2O Pump Plug
 Split to Cement D'd Circ.

SERVICE

| | | | | | |
|-------------------|--------|---|-------|--------|-----------|
| DEPTH OF JOB | 623' | | | | |
| PUMP TRUCK CHARGE | 0-300' | | | 470.00 | |
| EXTRA FOOTAGE | 323 | @ | 43 | 139.69 | |
| MILEAGE | 37 | @ | 3.00 | 150.00 | |
| PLUG TRP | 848' | @ | 90.00 | 90.00 | |
| | | @ | | | |
| | | @ | | | |
| | | | | TOTAL | \$7848.89 |

CHARGE TO: Duke Dry Co Inc
 STREET Box 823
 CITY Wheat Bend STATE KS ZIP 67530

FLOAT EQUIPMENT

| | | | | | |
|-----------------|---|--------|--------|-------|----------|
| 1- BATTLE PLATE | @ | 45.00 | 45.00 | | |
| 1- Centralizer | @ | 30.00 | 30.00 | | |
| 1- BASKET | @ | 150.00 | 150.00 | | |
| | @ | | | | |
| | @ | | | | |
| | | | | TOTAL | \$225.00 |

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

| | | | |
|--------------------|--------------|--------------|--------------|
| TAX | BE0 | | |
| TOTAL CHARGE | 4448.54 | | |
| DISCOUNT | 888.31 | | |
| | #3553.23 | | |
| IF PAID IN 30 DAYS | | | |
| SIGNATURE | Mike Godfrey | PRINTED NAME | MIKE GODFREY |

SIGNATURE * Mike Godfrey