

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

147-205710000

ORIGINAL

API NO. 15-

County PHILLIPS

NW - SW - NE - 4 Sec. 22 Twp. 3 Rge. 16 X ^E _W

1720 Feet from S (circle one) Line of Section

2260 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE SE, NW or SW (circle one)

Lease Name MILLER FARMS Well # A-1

Field Name MILLER FARMS

Producing Formation none

Elevation: Ground 3978 KB 5 AGL

Total Depth 3983 PBDT 2444

Amount of Surface Pipe Set and Cemented at 209 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.

Drilling Fluid Management Plan **ALT 2 NOT MET; DISTRICT 4**
(Data must be collected from the Reserve Pit) **NOTIFIED FR**
6-16-97

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S. Rng. E/W

County _____ Docket No. _____

Operator: License # 30076

Name: A & A PRODUCTION

Address PO BOX 100

City/State/Zip HILL CITY KS 67642-0100

Purchaser: N/A

Operator Contact Person: ANDY ANDERSON

Phone (913) 421-6266

Contractor: Name: SHIELDS DRILLING CO., INC.

License: UNLICENSED

Wellsite Geologist: RON NELSON

Designate Type of Completion
XX New Well _____ Re-Entry _____ Workover

XX Oil _____ SWD XXX SLOW _____ Temp. Abd.
_____ Gas _____ ENHR _____ SIGW
_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD
_____ Plug Back _____ PBDT
_____ Commingled _____ Docket No. _____
_____ Dual Completion _____ Docket No. _____
_____ Other (SWD or Inj?) _____ Docket No. _____

10-4-96 10-12-96
Spud Date Date Reached TD Completion Date

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 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 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 statements herein are complete and correct to the best of my knowledge.

Signature Andy Anderson

Title Owner Date 4-4-97

Subscribed and sworn to before me this 4th day of APRIL, 19 97.

Notary Public Rita A. Anderson

Date Commission Expires January 21, 2000



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

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

ORIGINAL

SIDE TWO

Operator Name A & A PRODUCTION

Lease Name MILLER FARMS

Well # A-1

Sec. 22 Twp. 3 Rge. 16

East
 West

County PHILLIPS

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.)

List All E.Logs Run:

ST #1 3194-3255 15'- 15'- 0" - 0"
Blow 4min Died rec 1' MWD IFP 30-30
ISIP 41' HP 1661-1641

Log Formation (Top), Depth and Datums Sample

| Name | Top | Datum |
|----------------|------|-------|
| Anhydrite | 1410 | 1477 |
| Neva | 2354 | -467 |
| Topeka | 2898 | -1011 |
| Heebner | 3116 | -1229 |
| Toronto | 3144 | -2157 |
| LKC | 3162 | -1275 |
| BKC | 3424 | -1537 |
| Marmaton | 3472 | -1585 |
| Cherokee Shale | 3586 | -1699 |
| Conglomerate | 3622 | -1735 |
| Viola | 3702 | -1815 |
| Arbuckle | 3942 | -2055 |

CASING RECORD

New Used

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

| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|-------------------|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Surface | 12 1/4" | 8 5/8" | 23# | 209' | 60/40 | 145 | 3% cc 2% gel |
| Production | 7 7/8" | 4 1/2" | 10.5# | 2456' | common | 100 | |

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 checked="" type="checkbox"/> Plug Off Zone | 2354'-2358' | common | 150 | common |

| 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) | |
|----------------|--|--|-------|
| | | Amount and Kind of Material Used | Depth |
| 4 | Perf 2301-2305 | 250 gal 20% FE acid | 2330 |
| | plug set 2335 4 1/2 Alpha M-2 | 500 gal 28% FE acid 6 gal HAI-85M; 3 gal Losurf-259 | |
| 4 | 2354-2358 | 500 gal 20% mud acid & 2 gal inhibitor | 2358 |

TUBING RECORD Size none Set At none Packer At none Liner Run Yes No

Date of First, Resumed Production, SMD or Inj. none Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil none Bbls. Gas none Mcf Water none Bbls. Gas-Oil Ratio none Gravity none

Disposition of Gas: METHOD OF COMPLETION

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

Production Interval
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

2301'-2305'

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

15-147-20571-00-00
ALLIED CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: A & A Production
P. O. Box 100
Hill City, KS 67642

INVOICE NO. 73543
PURCHASE ORDER NO. _____
LEASE NAME Miller Farms A-1
DATE 10-12-96

SERVICE AND MATERIALS AS FOLLOWS:

| | | |
|------------------------------------|----------|-----------|
| Common 125 sks @\$6.10 | \$762.50 | \$ 762.50 |
| Handling 125 sks @\$1.05 | 131.25 | |
| Mileage (72) @\$.04¢ per sk per mi | 360.00 | |
| Production String | 1,030.00 | |
| Mi @\$2.85 pmp trk chg | 205.20 | |
| 1 plug | 38.00 | 1,764.45 |
| 1 Guide Shoe----- | \$140.00 | |
| 1 AFU Insert----- | 235.00 | |
| 4 Centralizers----- | 212.00 | |
| 2 Baskets----- | 258.00 | 845.00 |

If Account CURRENT a
Discount of \$ 505.79
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Total

\$3,371.95

Thank You! Pd 10-18-96
CK 513

2866.16

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

RECEIVED
KANSAS CORP CORM
1997 APR -8 A 10:43

ORIGINAL

15-147-20571-00-00

ALLIED CEMENTING CO., INC. 7285

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

SERVICE POINT:
Russell

| | | | | | | | |
|---------------------------|-------------------|-------------------------|------------------|---------------------------|----------------------------|--------------------------|---------------------------|
| DATE <u>10-12-96</u> | SEC. <u>22</u> | TWP. <u>3</u> | RANGE <u>16W</u> | CALLED OUT <u>6:00 AM</u> | ON LOCATION <u>9:15 AM</u> | JOB START <u>1:00 PM</u> | JOB FINISH <u>1:30 PM</u> |
| LEASE <u>MILLER FARMS</u> | WELL # <u>A-1</u> | LOCATION <u>AGRA 2N</u> | | COUNTY <u>PHILLIPS</u> | STATE <u>KANSAS</u> | | |

OLD OR NEW (Circle one)

CONTRACTOR SHIELDS DRIG. Rig# 2
 TYPE OF JOB PRODUCTION STRING
 HOLE SIZE 7 7/8 T.D. 3983'
 CASING SIZE 4 1/2 10⁵⁰# DEPTH 2456'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL AFU INSERT DEPTH 2444'
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 12'
 CEMENT LEFT IN CSG. 12' 40 / BBL
 PERFS. _____

OWNER _____
 CEMENT
 AMOUNT ORDERED 125 SK Com.

| | | | | |
|----------|---------------------|---|-------------|----------------|
| COMMON | <u>125</u> | @ | <u>6.10</u> | <u>762.50</u> |
| POZMIX | | @ | | |
| GEL | | @ | | |
| CHLORIDE | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| HANDLING | | @ | <u>1.05</u> | <u>131.25</u> |
| MILEAGE | <u>44/SK / Mile</u> | | | <u>360.00</u> |
| TOTAL | | | | <u>1253.75</u> |

EQUIPMENT

PUMP TRUCK CEMENTER Elmer
 # 177 HELPER Paul
 BULK TRUCK
 # 160 DRIVER Jason
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

FLOAT HELD
15 SK @ RAT HOLE
10 SK @ MOUSE HOLE
Thanks!

SERVICE

| | | | | |
|--------------------------|-----------|---|-------------|----------------|
| DEPTH OF JOB | _____ | | | |
| PUMP TRUCK CHARGE | | | | <u>1030.00</u> |
| EXTRA FOOTAGE | | @ | | |
| MILEAGE | <u>72</u> | @ | <u>2.95</u> | <u>212.40</u> |
| PLUG <u>4 1/2 RUBBER</u> | | @ | | <u>38.00</u> |
| | | @ | | |
| | | @ | | |
| TOTAL | | | | <u>1273.40</u> |

CHARGE TO: A & A PRODUCTION
 STREET Box 156
 CITY Hill City STATE Kansas ZIP 67642

BAKER FLOAT EQUIPMENT

| | | | |
|----------------|---|---------------|---------------|
| 1-GUIDE SHOE | @ | | <u>140.00</u> |
| 1-AFU INSERT | @ | | <u>235.00</u> |
| 4-CENTRALIZERS | @ | <u>53.00</u> | <u>212.00</u> |
| 2-BASKETS | @ | <u>129.00</u> | <u>258.00</u> |
| | @ | | |
| TOTAL | | | <u>845.00</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 _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Burton Beery

RECEIVED
KANSAS CORP. COMM

1997 APR -8 A 10:43

011130

15-147-20571-00-00

ORIGINAL

TELEPHONE:

AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

TO: A & A Production
P. O. Box 100
Hill City, KS 67642

INVOICE NO. 73754
PURCHASE ORDER NO. _____
LEASE NAME Miller A-1
DATE 11-4-96

SERVICE AND MATERIALS AS FOLLOWS:

| | | |
|------------------------------------|---------------|-----------------|
| Common 150 sks @\$6.10 | \$915.00 | \$ 915.00 |
| Handling 150 sks @\$1.05 | 157.50 | |
| Mileage (72) @\$.04¢ per sk per mi | 432.00 | |
| Squeeze | 1,030.00 | |
| Mi @\$2.85 pmp trk chg | <u>205.20</u> | <u>1,824.70</u> |
| | Total | \$2,739.70 |

If Account CURRENT a
Discount of \$ 410.95
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

*Pd 11-19-96
#529*

RECEIVED
KANSAS CORP COMM
1997 APR -8 A 10:43

15-147-20571-00-00

ORIGINAL ALLIED CEMENTING CO., INC. 7306

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

SERVICE POINT:

Russell

| | | | | | | | |
|---------------------|-------------------|--|-------|---|------------------------------|----------------------------|-----------------------------|
| DATE <u>11-4-96</u> | SEC. | TWP. | RANGE | CALLLED OUT <u>Noon</u> <u>12:00PM</u> | ON LOCATION <u>2:40PM</u> | JOB START <u>3:00PM</u> | JOB FINISH <u>8:00PM</u> |
| LEASE <u>Miller</u> | WELL # <u>A-1</u> | LOCATION <u>AGRA 2N 1/2 E 1/2 S INTO</u> | | | COUNTY <u>Phillips</u> | STATE <u>KANSAS</u> | |

OLD OR NEW (Circle one)

CONTRACTOR NORTH-West Well Serv. OWNER _____

TYPE OF JOB PERF - Squeeze

CEMENT

| | |
|-------------------------------------|---------------------|
| HOLE SIZE | T.D. |
| CASING SIZE <u>4 1/2</u> | DEPTH |
| TUBING SIZE <u>2 3/8</u> | DEPTH |
| PIPELINE <u>(Ray D.)</u> | DEPTH |
| TOOL <u>Ram Oil Tools</u> | DEPTH <u>2300'</u> |
| PRES. MAX <u>1,000#</u> | MINIMUM <u>500#</u> |
| MEAS. LINE | SHOE JOINT |
| CEMENT LEFT IN CSG. | |
| PERFS. <u>2354 - 2358</u> | |

AMOUNT ORDERED 150 SK COM

| | | | | |
|--------------------|------------|---|-------------|---------------|
| COMMON | <u>150</u> | @ | <u>6.10</u> | <u>915.00</u> |
| POZMIX | | @ | | |
| GEL | | @ | | |
| CHLORIDE | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| HANDLING | | @ | <u>105</u> | <u>157.50</u> |
| MILEAGE <u>72m</u> | | | <u>04</u> | <u>432.00</u> |

EQUIPMENT

| | |
|-------------------------|-----------------------------|
| PUMP TRUCK # <u>177</u> | CEMENTER <u>[Signature]</u> |
| | HELPER <u>Will</u> |
| BULK TRUCK # <u>213</u> | DRIVER <u>Jason</u> |
| BULK TRUCK # _____ | DRIVER _____ |

TOTAL 1504.50

REMARKS:

PERF @ 2354-2358. Set Packer @ 2300' Pressured Backside to 500# (Held)
Took INJ. Rate of 1 1/2 BPM @ 1,000#. Mixed 150 SK Cement, Staggered & Squeezed @ 1,000#.
Released Packer & Washed Around. Pulled 3 JTS & Pressured to 400# & SHUT IN.

THANKS!

SERVICE

| | | | |
|-------------------|--|---|----------------|
| DEPTH OF JOB | | | |
| PUMP TRUCK CHARGE | | | <u>1030.00</u> |
| EXTRA FOOTAGE | | @ | |
| MILEAGE <u>72</u> | | @ | <u>285</u> |
| PLUG | | @ | |
| | | @ | |
| | | @ | |

TOTAL 1235.20

CHARGE TO: A & A Prod.
 STREET P.O. Box 100
 CITY Hill City STATE Kan ZIP 67642

FLOAT EQUIPMENT

| | | | |
|--|---|--|--|
| | @ | | |
| | @ | | |
| | @ | | |
| | @ | | |
| | @ | | |

TOTAL _____

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 _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

RECEIVED
KANSAS CORP COMM

1997 APR -8 A 10:43

ORIGINAL

TELEPHONE:

AREA CODE 913 483-2627
AREA CODE 913 483-3887

15-147-20571-00-00
ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

TO: A & A Production, Inc.
P. O. Box 100
Hill City, KS 67642

INVOICE NO. 73447
PURCHASE ORDER NO. _____
LEASE NAME Miller Farms A-1
DATE 10-4-96

SERVICE AND MATERIALS AS FOLLOWS:

| | | |
|------------------------------------|---------------|-------------------|
| Common 87 sks @\$6.10 | \$530.70 | |
| Pozmix 58 sks @\$3.15 | 182.70 | |
| Gel 3 sks @\$9.50 | 28.50 | |
| Chloride 4 sks @\$28.00 | <u>112.00</u> | \$ 853.90 |
| | | |
| Handling 145 sks @\$1.05 | 152.25 | |
| Mileage (74) @\$.04¢ per sk per mi | 429.20 | |
| Surface | 445.00 | |
| Mi @\$2.85 pmp trk chg | 210.90 | |
| 1 plug | <u>45.00</u> | <u>1,282.35</u> |
| | | |
| | Total | \$2,136.25 |

If Account CURRENT a
Discount of \$ 320.43
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Thank You!

*Pd 10-17-96
CK 511*

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

\$ 1815.32

RECEIVED
KANSAS CORP COMM
1997 APR -8 A 10:43

15-147-20571-00-00

ALLIED CEMENTING CO., INC. 6799

ORIGINAL

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

SERVICE POINT: R

| | | | | | | | |
|---------------------------|----------------|------------------|--------------------------------|------------|-------------|---------------------|----------------------------|
| DATE <u>10/4/96</u> | SEC. <u>22</u> | TWP. <u>3</u> | RANGE <u>16</u> | CALLED OUT | ON LOCATION | JOB START | JOB FINISH <u>10/15/96</u> |
| LEASE <u>Miller Farms</u> | | WELL# <u>A-1</u> | LOCATION <u>Agra 2N 14E 4S</u> | | | COUNTY <u>Phila</u> | STATE <u>Ks</u> |

OLD OR NEW (Circle one)

CONTRACTOR Shields Dlg

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 212

CASING SIZE 8 1/2 DEPTH 209

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 23 10 1/5 23 1/2 12.75 BB

PERFS.

OWNER _____

CEMENT

AMOUNT ORDERED 145 60/40 3%cc 2%gel

| | | | | |
|--------------------|-----------|---|-------------|----------------|
| COMMON | <u>87</u> | @ | <u>610</u> | <u>530.70</u> |
| POZMIX | <u>58</u> | @ | <u>315</u> | <u>182.70</u> |
| GEL | <u>3</u> | @ | <u>950</u> | <u>28.50</u> |
| CHLORIDE | <u>4</u> | @ | <u>2800</u> | <u>112.00</u> |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| | | @ | | |
| HANDLING | | @ | <u>105</u> | <u>152.25</u> |
| MILEAGE <u>74m</u> | | | <u>04</u> | <u>429.20</u> |
| TOTAL | | | | <u>1435.35</u> |

EQUIPMENT

153 Dave

PUMP TRUCK CEMENTER _____

HELPER Mark

BULK TRUCK DRIVER _____

DRIVER Jason

REMARKS:

Cement Piv

SERVICE

| | | | | |
|------------------------|---|------------|---------------|---------------|
| DEPTH OF JOB | | | | |
| PUMP TRUCK CHARGE | | | <u>445.00</u> | |
| EXTRA FOOTAGE | @ | | | |
| MILEAGE <u>74</u> | @ | <u>285</u> | <u>210.90</u> | |
| PLUG <u>8 1/2 wood</u> | @ | | <u>4500</u> | |
| | @ | | | |
| | @ | | | |
| TOTAL | | | | <u>700.90</u> |

CHARGE TO: A & A production

STREET Box 156

CITY Hill City STATE Ks ZIP 67642

FLOAT EQUIPMENT

| | | | | |
|-------|---|--|--|--|
| | @ | | | |
| | @ | | | |
| | @ | | | |
| | @ | | | |
| TOTAL | | | | |

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 _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Dave

RECEIVED
KANSAS CORP COMM
1997 APR -8 A 10:43

ORIGIN

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

INVOICE

15-147-20571-00-00

HALLIBURTON ENERGY SERVICES

A Division of Halliburton Company

| INVOICE NO. | DATE |
|-------------|------------|
| 196133 | 01/02/1997 |

| WELL LEASE NO./PROJECT | WELL/PROJECT LOCATION | STATE | OWNER | | |
|------------------------|-----------------------|-------------------|----------------------|---------------|----------|
| WALLER FARMS A-1 | PHILLIPS | KS | SAME | | |
| SERVICE LOCATION | CONTRACTOR | JOB PURPOSE | TICKET DATE | | |
| HAYS | | ACIDIZE FORMATION | 01/02/1997 | | |
| ACCT. NO. | CUSTOMER AGENT | VENDOR NO. | CUSTOMER P.O. NUMBER | SHIPPED VIA | FILE NO. |
| | ANDY ANDERSON | | | COMPANY TRUCK | 19031 |

PD BY CK# 535 \$4,543.47

A & A PRODUCTION
P.O. BOX 100
HILL CITY, KS 67642-0100

DIRECT CORRESPONDENCE TO:

1102 E. 8TH
HAYS KS 67601
913-625-3431

ORIGINAL

| REFERENCE NO. | DESCRIPTION | QUANTITY | UM | UNIT PRICE | AMOUNT |
|------------------|--------------------------------|----------|-----|------------|----------|
| | PRICING AREA - MID CONTINENT | | | | |
| 300-111 | MILEAGE FOR STIMULATION EQUIP | 120 | MI | 2.99 | 358.80 |
| | | 1 | UNT | | |
| 200-024 | PUMPING SERVICE FIRST 4 HRS | 3500 | PSI | 834.40 | 834.40 |
| | | 1 | PMP | | |
| 200-025 | PUMPING SERVICE - ADD HRS | 3500 | PSI | 207.20 | 207.20 |
| | | 1 | HR | | |
| | | 1 | PMP | | |
| 207-001 | FE ACID | 20 | % | 2.30 | 575.00 |
| 201-004 | | 250 | GAL | | |
| 301-197 | PROPPANT PUMP CHARGE | 4 | PPG | .04 | 80.00 |
| | | 2000 | GAL | | |
| 310-627 | LGC-IV | 10 | GAL | 26.50 | 265.00 |
| 300-132 | DELIVERY CHARGE BODY LOAD UNIT | 4 | HR | 40.00 | 160.00 |
| | | 1 | UNT | | |
| 510-222 | SACK SAND | 40 | SK | 10.00 | 400.00 |
| 210-013 | HAI-85M | .5 | GAL | 58.25 | 29.13 |
| 116-238 | OTHER HYDRA JET TOOLS | 4 | HR | 400.00 | 400.00 |
| 116-243 | JETS | 2 | EA | 48.00 | 96.00 |
| 218-702 | LOSURF-259 | 1 | GAL | 39.00 | 39.00 |
| 300-132 | DELIVERY CHARGE 01-03-97 | 4 | HR | 40.00 | 160.00 |
| | | 1 | UNT | | |
| 207-001 | FE ACID | 28 | % | 3.09 | 1,545.00 |
| 201-004 | | 500 | GAL | | |
| 210-013 | HAI-85M | 1 | GAL | 58.25 | 58.25 |
| 218-702 | LOSURF-259 | 2 | GAL | 39.00 | 78.00 |
| 218-507 | PEN-88M | 1 | GAL | 44.00 | 44.00 |
| 200-025 | PUMPING SERVICE - ADD HRS | 2200 | PSI | 192.50 | 577.50 |
| | | 3 | HR | | |
| | | 1 | PMP | | |
| INVOICE SUBTOTAL | | | | | 5,907.23 |

1997 APR - 8 - 8 43

RECEIVED KANSAS CORP COMM

***** CONTINUED ON NEXT PAGE *****

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

*** CASH JOB ***

ORIGINAL



REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046
Corporate FIN 73-0271280

INVOICE

HALLIBURTON ENERGY SERVICES

A Division of Halliburton Company

15-147-20571-00-00

| INVOICE NO. | DATE |
|-------------|------------|
| 196133 | 01/02/1997 |

| | | | | | |
|------------------------|----------------|-----------------------|----------------------|---------------|-------------|
| WELL LEASE NO./PROJECT | | WELL/PROJECT LOCATION | | STATE | OWNER |
| MILLER FARMS A-1 | | PHILLIPS | | KS | SAME |
| SERVICE LOCATION | | CONTRACTOR | JOB PURPOSE | | TICKET DATE |
| HAYS | | | ACIDIZE FORMATION | | 01/02/1997 |
| ACCT. NO. | CUSTOMER AGENT | VENDOR NO. | CUSTOMER P.O. NUMBER | SHIPPED VIA | FILE NO. |
| | ANDY ANDERSON | | | COMPANY TRUCK | 19031 |

*PD BY CK# 535

\$4,543.47*

DIRECT CORRESPONDENCE TO:

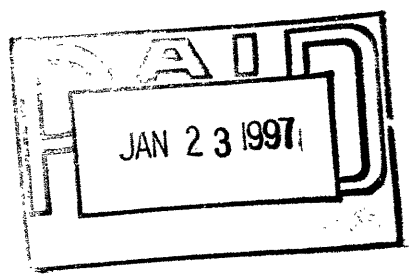
A & A PRODUCTION
P.O. BOX 100
HILL CITY, KS 67642-0100

1102 E. 8TH
HAYS KS 67601
913-625-3431

ORIGINAL

| REFERENCE NO. | DESCRIPTION | QUANTITY | UM | UNIT PRICE | AMOUNT |
|---|---------------------------|----------|----|------------|------------|
| | DISCOUNT - (BID) | | | | 1,476.81- |
| | INVOICE BID AMOUNT | | | | 4,430.47 |
| | *- KANSAS STATE SALES TAX | | | | 93.85 |
| | *- HAYS CITY SALES TAX | | | | 19.15 |
| INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====> | | | | | \$4,543.47 |

RECEIVED
KANSAS CORP COMM
1997 APR - 8 A 10:43



TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

*** CASH JOB ***

PAGE: