

ORIGINAL

FORM MUST BE TYPED

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- 007-225700000
County Barber
1.00' of SE - SW - NW Sec. 9 Twp. 32S Rge. 12 E X W

Operator: License # 04732
Name: Clay Moore
Address 6440 N Central Expressway
#620 LB33
City/State/Zip Dallas, TX 75206

2310 2290 Feet from S (circle one) Line of Section
880 870 Feet from E (circle one) Line of Section

Purchaser: _____
Operator Contact Person: Clay Moore
Phone (214) 750-9912

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

Contractor: Name: Duke Drilling Co., Inc.
License: 5929

Lease Name C. H. Bain Well # 1
Field Name Medicine River

Wellsite Geologist: Clay Moore, J.R. Craig
Designate Type of Completion
 New Well Re-Entry Workover

Producing Formation _____
Elevation: Ground 1491' KB 1499'
Total Depth 3710 PBDT _____

Oil SWD SION Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

Amount of Surface Pipe Set and Cemented at 221 Feet
Multiple Stage Cementing Collar Used? Yes No

If Workover/Reentry: Old Well Info as follows:

If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cm.

Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Fluid Management Plan PHA, 11-24-98 U.C.
(Data must be collected from the Reserve Pit)

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

Chloride content 4400 ppm Fluid volume 600 bbls
Dewatering method used Evaporation

7-7-98 7-11-98 7-12-98
Spud Date Date Reached TD Completion Date

Location of fluid disposal if hauled offsite: _____

Operator Name Bowers Drilling
Lease Name Cole License No. 5101
NW Quarter Sec. 25 Twp. 32 S Rng. 12 E W

County Barber Docket No. 19886
MAC (Bowers) CD-78217 (Sec. 7-32S-11W)

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.

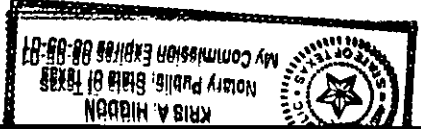
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Clay Moore
Title Owner-Operator Date 11-6-98

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)

Subscribed and sworn to before me this 6th day of November,
19 98.

Notary Public Kris A. Haddon
Date Commission Expires 08/05/01



1111170

Operator Name CLAY MOORE

Lease Name C.H. Bain

Well # 1

Sec. 9 Twp. 32S Rge. 12

East
 West

County Barber

15-007-22570-000

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:
High resolution Dual Induction Log with
Gamma Ray,
Compensated Z-Densilog, Compensated
Neutron Log w/Gamma Ray & Minilog

| Name | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample | |
|---------------|---|-------|
| | Top | Datum |
| Cottonwood LS | 2328 | - 829 |
| Tarkio LS | 2836 | -1337 |
| Lecompton LS | 3330 | -1831 |
| Elgin LS | 3380 | -1881 |
| Kanwaka Sh | 3382 | -1883 |
| Heebner Sh | 3532 | -2033 |
| Toronto LS | 3545 | -2046 |
| Douglas SS | 3600 | -2101 |
| L. Douglas SS | 3684 | -2185 |
| Lansing LS | 3706 | -2207 |

| 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 Casing | 12 1/4" | 8 5/8" | 20 | 221 | 60-40 POZ MLX | 165 | 2% Gel 3% CC |
| | | | | | | | |
| | | | | | | | |

| 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 | | | | |

| 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 | |
|----------------|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

| TUBING RECORD | | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |
|--|--|---------|-------------|---------------|--|
| Date of First, Resumed Production, SUD or Inj. | | | | | |
| Producing Method | <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. <u>N-A</u> | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____



CEMENTING LOG

STAGE NO.

15-007-225700000

Date 7-7-98 Division med ledge Ticket No. 2212
 Company Clay Moore Rig Duke #1
 Lease C.H. Bain Well No. 1
 County Barber State KS
 Location 100+281 Jct 21aw- Field 9-32-12w
015

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 8 5/8 Type _____ Weight 24 Collar _____

Casing Depth: Top 230-8 5/8 Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars X hole
 Open Hole: Size 12 1/4 T.D. 221 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 2.637 Lin. ft./Bbl. 15.20
 Open Hole: Bbls/Lin. ft. 1.458 Lin. ft./Bbl. 6.8599
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.735 Lin. ft./Bbl. 13.6037
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Sls Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Sls Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type CLASS A
60/40/3% CA12+2%Gel Excess 100%

Amt. 16.5 Sls Yield 1.26 ft³/sk Density 14.8 PPG

WATER: Lead _____ gals/sk Total 5.6 gals/sk Total 22 Bbls

Pump Trucks Used 343 - Justin H.

Bulk Equip. 242 - John K.

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top WOOD Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type Fresh H₂O Amt. 13 Bbls. Weight 8.34 PPG

Mud Type Chemical Weight _____ PPG

COMPANY REPRESENTATIVE Mike Godfrey

CEMENTER Harry Dyeiling

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|------|---------------|-------------------|-------------------|------------------------|----------------|---------------------------------------|
| | ANNULUS | DRILL PIPE CASING | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| 8:46 | | 125 | | | | Pipe on Bottom - Break Circ |
| 8:48 | | | | | | mix + Pump 16.55xs. 60/40/3% CA12 |
| | | | | | | 2%Gel |
| 8:57 | | 200 | 37 | | 5/2 | Cement In. Stop Pumps |
| | | | | | | Release Plug |
| 8:58 | | 125 | 10 | | 5 | Start Fresh H ₂ O Displace |
| | | 150 | 13 | | 3 | Slow Rate |
| | | | | | | stop pumps |
| | | | | | | Displace In. |
| 9:00 | | 150 | | | | shut In. |
| | | | | | | Cement Circ. to Surface |

ALLIED CEMENTING CO., INC. 9636

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

SERVICE POINT: 15007-225700000
Medicine Lodge

| | | | | | | | |
|-------------------------|--------------|-----------------|--------------------------------|---------------------------|----------------------------|-----------------------|------------|
| DATE <u>7-12-98</u> | SEC <u>7</u> | TWP <u>S25</u> | RANGE <u>12W</u> | CALLED OUT <u>4:00 AM</u> | ON LOCATION <u>7:00 AM</u> | JOB START <u>7:40</u> | JOB FINISH |
| LEASE # <u>CH 101</u> | | WELL # <u>1</u> | LOCATION <u>Medicine Lodge</u> | | COUNTY <u>Pack</u> | STATE <u>Kansas</u> | |
| OLD OR NEW (Circle one) | | | <u>2 1/2" w/ 1/5</u> | | | | |

| | |
|--------------------------------|-------------------------|
| CONTRACTOR <u>Duke Ring #1</u> | OWNER <u>Clay Moore</u> |
| TYPE OF JOB <u>String Aug</u> | |
| HOLE SIZE <u>7 1/2</u> | T.D. |
| CASING SIZE <u>5 1/2</u> | DEPTH <u>220</u> |
| TUBING SIZE | DEPTH |
| DRILL PIPE | DEPTH |
| TOOL | DEPTH |
| PRES. MAX <u>130</u> | MINIMUM <u>50</u> |
| MEAS. LINE | SHOE JOINT |
| CEMENT LEFT IN CSG. | |
| PERFS. | |
| DISPLACEMENT | |

| | |
|--------------------------------------|--------------------------|
| CEMENT | |
| AMOUNT ORDERED <u>135 sz 60:40:6</u> | |
| COMMON | <input type="checkbox"/> |
| POZMIX | <input type="checkbox"/> |
| GEL | <input type="checkbox"/> |
| CHLORIDE | <input type="checkbox"/> |
| HANDLING | <input type="checkbox"/> |
| MILEAGE | <input type="checkbox"/> |

EQUIPMENT

| | |
|--------------|------------------------------|
| PUMP TRUCK | CEMENTER <u>Carl Bolding</u> |
| # <u>243</u> | HELPER <u>Steve Winsor</u> |
| BULK TRUCK | |
| # <u>242</u> | DRIVER <u>John Kelley</u> |
| BULK TRUCK | |
| # | DRIVER |

REMARKS:

60-40 pos mix w/ 600 lbs

| | | | |
|----------|-----------|-------------------|-------------------------------------|
| <u>1</u> | <u>SC</u> | <u>660</u> | <input checked="" type="checkbox"/> |
| <u>1</u> | <u>SC</u> | <u>240</u> | <input checked="" type="checkbox"/> |
| <u>1</u> | <u>SC</u> | <u>40</u> | <u>to surface</u> |
| <u>1</u> | <u>SC</u> | <u>mouse hole</u> | |
| <u>1</u> | <u>SC</u> | <u>Rat Hole</u> | |

SERVICE

| | |
|-------------------------|--------------------------|
| DEPTH OF JOB <u>660</u> | |
| PUMP TRUCK CHARGE | |
| EXTRA FOOTAGE | <input type="checkbox"/> |
| MILEAGE | <input type="checkbox"/> |
| PLUG | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| TOTAL | |

CHARGE TO: Clay Moore

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

| | |
|-------|--------------------------|
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| | <input type="checkbox"/> |
| 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 Mike Redfrey

Mike Redfrey
PRINTED NAME



CEMENTING LOG

STAGE NO.

15-007-225700000

Date: 11-24-98 District: Medicine Lodge Ticket No: 9836
 Company: CLAY MOORE Rig: Drills
 Lease: 1011 Well No: 1
 County: Franklin State: KS
 Location: Medicine Lodge Field: 4

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: _____ Type: _____ Weight: _____ Collar: _____

Casing Depth: Top _____ Bottom _____

Drill Pipe: Size 4.5 Weight 16.60 Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Hole: Bbls/Lin. ft. 0.102 Lin. ft./Bbl. 14.59
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 20.32
 Annulus: Bbls/Lin. ft. 0.411 Lin. ft./Bbl. 24.64
 Bbls/Lin. ft. 0.410 Lin. ft./Bbl. 22.72
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: Freshwater
 Amt. _____ Skts Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type EO:40:6
 Excess _____
 Amt. 135 Skts Yield 1.58 ft³/sk Density 13.8 PPG
 TAIL: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skts Yield _____ ft³/sk Density _____ PPG
 WATER: Lead 7.8 gals/sk Tail _____ gals/sk Total 25 Bbls

Pump Trucks Used 343 Shane W
 Bulk Equip. 242 John Kelley

Floet Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Floet Type _____ Depth _____
 Centralizers: Quantity _____ Plug Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE Mike Colby

CEMENTER Carl Balding

| TIME | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|------|-------------------|---------|-------------------|------------------------|----------------|---------------------------------------|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls Min. | |
| 1:00 | | | | | | Rig up |
| 1:42 | 150 | | 15 | 15 | 6 | 1st plug 640 feet first water pack |
| | 100 | | 29 | 14 | 6 | EO:40:6 |
| | | | 33 | 4/60-404 | | Start Dry |
| 5:10 | 100 | | 41 | 14 | 6 | 2nd plug 240 feet EO:40:6 |
| | | | 41.2 | 3.50 | | EO:40:6 Freshwater |
| | | | 50.25 | 2.15 | | 3rd plug 40 feet pump 10 sv |
| | | | 53 | 2.15 | | Mouse Hole pump 10 sv |
| | | | 57.25 | 4.25 | | 4th Hole pump 15 sv |