

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

RECEIVED

NOV 01 2002

Form ACO-1  
September 1999  
Form Must Be Typed

gme

**COPY**

Operator: License # 3911  
Name: Rama Operating Co., Inc.  
Address: P.O. Box 159  
City/State/Zip: Stafford, Kansas 67578  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Robin L. Austin  
Phone: (620) 234-5191  
Contractor: Name: Sterling Drilling Company  
License: 5142  
Wellsite Geologist: Steve McClain

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. \_\_\_\_\_  
☐ Dual Completion ☐ Docket No. \_\_\_\_\_  
☐ Other (SWD or Enhr.?) ☐ Docket No. \_\_\_\_\_

6-24-02 7-01-02 7.1.02  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 151-22190-0000  
County: Pratt  
C Nw Nw Ne Sec. 26 Twp. 28 S. R. 13 ☐ East ☒ West  
330 feet from S (N) (circle one) Line of Section  
2310 feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: Williams Well #: 1-26  
Field Name: Brehm  
Producing Formation: \_\_\_\_\_  
Elevation: Ground: 1935 Kelly Bushing: 1944  
Total Depth: 3400 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 1024 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 cmt.

**Drilling Fluid Management Plan** *14th Dec 11:00 AM*  
(Data must be collected from the Reserve Pit)

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. R. \_\_\_\_\_ East West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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

Signature: Robin L. Austin

Title: V.P. Date: 10-31-02

Subscribed and sworn to before me this 31<sup>st</sup> day of October

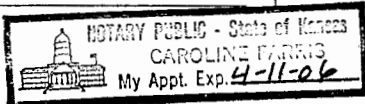
2002

Notary Public: Caroline Farris

Date Commission Expires: 4-11-06

**KCC Office Use ONLY**

Deny Letter of Confidentiality Attached  
If Denied, Yes ☒ No ☐ Date: 11-1-02 DRW  
YES Wireline Log Received  
NO Geologist Report Received  
\_\_\_\_ UIC Distribution



Operator Name: Rama Operating Co., Inc.Lease Name: WilliamsWell #: 1-26Sec. 26 Twp. 28 S. R. 13East ☒ WestCounty: Pratt

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval test time, top 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 all 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)

List All E. Logs Run:

Comp. Density/Neutron - Dual Induction - Micro

| Log Name  | Formation (Top), Depth and Datum | Sample |
|-----------|----------------------------------|--------|
|           | Top Datum                        |        |
| Salt Base | 1860                             | 84     |
| Ft. Filey | 2253                             | -309   |
| Red Eagle | 2722                             | -778   |
| Tarkio    | 3077                             | -1133  |
| Topeka    | 3325                             | -1381  |

## 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                | 1024          | 65-35 poz      | 325          | 6% gel - 3% CC             |
|                   |                   |                           |                   |               |                |              |                            |
|                   |                   |                           |                   |               |                |              |                            |

## ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose:           | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|--------------------|------------------|----------------|-------------|----------------------------|
| ___ Perforate      |                  |                |             |                            |
| ___ Protect Casing |                  |                |             |                            |
| ___ Plug Back TD   |                  |                |             |                            |
| ___ Plug Off Zone  |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used) | Depth |
|----------------|---|---|-------|
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

| TUBING RECORD                                   | Size                                     | Set At  | Packer At   | Liner Run     | Yes     | No |
|---|--|---------|-------------|---------------|---------|----|
|   |  |         |             |               |         |    |
| Date of First, Resumed Production, SWD or Enhr. | Producing Method                         |         |             |               |         |    |
|   | Flowing Pumping Gas Lift Other (Explain) |         |             |               |         |    |
| Estimated Production Per 24 Hours               | Oil Bbls.                                | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |    |

Disposition of Gas

METHOD OF COMPLETION

Production Interval

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

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_

0123

| DST # | Interval   | IFP               | ISIP | Formation(s) Tested  | FFP                               | FSIP   | Times       | IHP-FHP     |
|-------|--|-------------------|------|--|-----------------------------------|--------|-------------|-------------|
| 1     | 2089'-2122   | 66-87             | 670  | Herrington-Krider  | 91-105                            | 682    | 30-30-30-60 | 1069-1058   |
| Rec.  | 120' Slight Mud Ct Wat   | 30% Mud 70% Water |      | Chl. 82,000  | (Weak Blow on both flows, No GIP) |        |             | BHT 90 deg  |
| 2     | 2509'-2579'  | 131-142           | 790  | Council Grove  | 143-159                           | 783    | 30-30-30-30 | 1208-1195   |
| Rec.  | 180' Drilling Mud  | 100% Mud          |      | Flushed tool on 2nd open   | (Weak blow that died, No GIP)     |        |             | BHT 96 deg  |
| 3     | 2820'-2890'  | 60-66             | 243  | Indian Cave  | 66-71                             | 202    | 30-60-30-60 | 1446-1362   |
| Rec.  | 120' GIP & 20' SGCM with SSO   |                   |      |  | (Weak blow on both flows)         |        |             | BHT 100 deg |
| 4     | 3000'-3034'  | 58-173            | 987  | Langdon Sandstone  | 177-222                           | 1013   | 30-30-30-60 | 1536-1449   |
| Rec.  | 350' Sl. Muddy Salt Water  |                   |      | Chl. 132,000 by both the tester and Mud Eng.                                     |                                   |        |             | BHT 104 deg |
| 5     | 3118'-3245'  | 144-134           | 1031 | Emporia and Howard   | 122-208                           | 1028 * | 30-30-90-60 | 1669-1576   |
| Rec.  | 270' of Heavy gassy mud w/a good show of oil in the lower blanked off recorder area of the anchor. |                   |      |  |                                   |        |             | BHT 108 deg |
|       | GTS 2nd Open Stab. @ 5 MCFD  |                   |      | p* = 1375 on the final shut-in. BTU 869.9 Sat., Sp.gr=0.7496, C1=63.8%, N2=25.9% |                                   |        |             |             |

COPY

**Sterling Drilling Company, Rig #4**Box 1006, Pratt, Kansas 67124-1006  
Office Phone (620) 672-9508, Fax 672-9509**SAMPLE LOG****Williams 1-26****LOCATION:** C Nw Nw Ne  
**API:** 15-151-22190-0000**Section** 26 **T** 28s **R** 13w  
Pratt County, Kansas**OWNER:** RAMA Operating Co., Inc.  
**CONTRACTOR:** Sterling Drilling Company, Rig #4**COMMENCED:** 06/24/02  
**COMPLETED:** 07/01/02**TOTAL DEPTH:** **DRILLER** 3400 **FEET**  
**LOGGER** 3400 **FEET****Ground Elevation:** 1935  
**KB Elevation:** 1944**LOG**

|        |           |   |
|--------|-----------|---|
| 0 -    | 2 FEET    | Top Soil  |
| 2 -    | 80 FEET   | Clay  |
| 80 -   | 162 FEET  | Sand and Gravel (depth of water well for rig)   |
| 162 -  | 240 FEET  | Sand and Gravel (drillers call to 240' Redbeds) |
| 240 -  | 755 FEET  | Redbeds and Shales                              |
| 755 -  | 770 FEET  | ? Anhydrite (Driller's)                         |
| 770 -  | 1450 FEET | Shales  |
| 1450 - | 1850 FEET | Shales and Salt                                 |
| 1850 - | 2075 FEET | Shales  |
| 2075 - | 3400 FEET | Limestone/Shale/Dolomite and Sandstones         |

**CASING RECORDS****Surface Casing:**

Spud @ 7:45 am on 06/24/02. Drilled 12 1/4" hole to 1030'. Ran 24 joints of new 23# 8-5/8" surface casing. Tallied 1013.94' set at 1024.94' KB. Cemented with 325 sacks 65% Common, 35% Poz, 6% Gel, 3% CC, 1/4 # Floseal and 150 sx Class A, 3% CC, 2% Gel. Cement did circulate. Plug down at 3:45 am on 06/25/02 by Allied Cementing. Ticket #10075. Welded straps on bottom 3 joints and welded all collars. Centralizers on joints 3, 5 and 7.

**Plugging Data:**

Received plugging orders 06/28/02 from Steve Pfeifer. Plugged on 07/01/01 in following manner, using 125 sx of 60/40 Poz, 6% Gel; Heavy mud in hole and between all plugs. Bottom plug at 1050', 50 sx. 2nd plug at 300', 50 sx. Top plug at 40', 10 sx cemented to surface. Plugged rathole with 15sx. No mousehole. Plugging completed at 9:15 pm on 07/01/02. Acid Services ticket #4978.

**DEVIATION SURVEYS**

|                    |      |      |
|--------------------|------|------|
| 1 degree(s) at     | 1030 | feet |
| 1/2 degree(s) at   | 2122 | feet |
| 3/4 degree(s) at   | 2579 | feet |
| 1-1/8 degree(s) at | 3034 | feet |
| 1-1/2 degree(s) at | 3400 | feet |