

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

Side One

ORIGINAL

Operator: License # 3911  
 Name RAMA Operating Co., Inc.  
 Address P.O. Box 159  
 City/State/Zip Stafford, KS 67578  
 Purchaser \_\_\_\_\_  
 Operator Contact Person Robin L. Austin  
 Phone ( 316 ) 234-5191  
 Contractor: Name Sterling Drilling Company  
 License 5142  
 Wellsite Geologist Steve McClain

API NO. 185-230330000  
 County Stafford  
 - S/2 - NW - NW Sec 34 Twp 25 Rge 11 W  
2145 Feet from S Line of Section  
2310 Feet from E Line of Section

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  Swd  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, Etc.)

Footages Calculated from Nearest Outside Section Corner:  
 NE,  SE  NW OR SW (CIRCLE ONE)  
 Lease Name Zink Well # 2-34  
 Field Name Bauman  
 Producing Formation \_\_\_\_\_  
 Elevation: Ground 1818 KB 1827  
 Total Depth 3948 PBTD \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 268 Ft  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Ft  
 If Alternate II Completion, cement circulated from \_\_\_\_\_ Ft  
 depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

If Workover/Re-Entry: old well info as follows:  
 Operator \_\_\_\_\_  
 Well Name \_\_\_\_\_  
 Comp Date \_\_\_\_\_ Old Total Dept \_\_\_\_\_  
 Deepening \_\_\_\_\_ Re-Perf. \_\_\_\_\_ Conv. to Inj/swd \_\_\_\_\_  
 Plug Back \_\_\_\_\_ PBTD \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket NO. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket NO. \_\_\_\_\_  
 Other (SWD or Inj? Docket NO. \_\_\_\_\_  
12/15/96 12/20/96  
 pud Date Date Reached TD Completion Date

Drilling Fluid Management Plan D&A JZ 8-20-97  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume 320 bbls  
 Dewatering method used Hauled Off Location  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name Ge Oil Service  
 Lease Name Rundell License No. 3548  
 NE Quarter Sec 12 Twp 25 S Rng 12 W

STATE CORPORATION COMMISSION  
 RECEIVED  
 FEB 25 1997  
 CONSERVATION DIVISION  
 Wichita, Kansas

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 KS. Market, Room 2078, Wichita, KS 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.

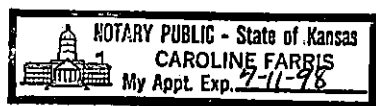
Signature [Signature]  
 Title Vice-president Date 2/20/97  
 Subscribed and sworn to before me this 20 day of February 1997.  
 Notary Public Caroline Farris  
 Date Commission Expires 4-11-98

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)

Form ACO-1 (7-91)



Operator Name: RAMA Operating Co., Inc. Lease Name: Zink Well # 2-34  
 County: Stafford  
 Sec. 34 Twp 25 Rge 11  East  West

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input checked="" type="checkbox"/> Sample
Samples Sent To Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	3027	-1200
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heeb	3370	-1543
		Lansing	3575	-1748
		Miss Choet	3984	-2196
		Viola	4160	-2333

List All E. Logs Run:

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	14-3/4	10-3/4	32	268	60/40 poz	220	3% CaCl <sub>2</sub> , 3% gel

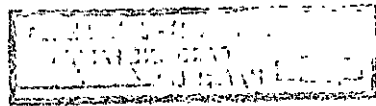
ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				
Shots Per Foot	PERFORATION RECORD-Bridge Plugs Set/Ty		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used) Depth	

TUBING RECORD		Size	Set At	Packer At	Liner Run
Date of First, Resumed Production, SWD or Inj.					<input type="checkbox"/> Yes <input type="checkbox"/> No
Producing Method					
D & 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 <u>N/A</u> Bbls.	Gas <u>N/A</u> Mcf	Water <u>N/A</u> 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)

Production Interval: \_\_\_\_\_



ORIGINAL

**Sterling Drilling Company, Rig #4**

Box 1006, Pratt, Kansas 67124-1006

Office Phone (316) 672-9508, Fax 672-9509

**SAMPLE LOG**

**Zink 2-34**

<b>LOCATION:</b>	C S/2 Nw Nw Se	<b>Section</b>	34	<b>T</b>	25s	<b>R</b>	11w
<b>API#:</b>	15-185-230330000	<b>Stafford</b>	County, Kansas				

<b>OWNER:</b>	RAMA Operating Co., Inc.	<b>COMMENCED:</b>	15-Dec-96
<b>CONTRACTOR:</b>	Sterling Drilling Company, Rig #4	<b>COMPLETED:</b>	20-Dec-96

<b>TOTAL DEPTH:</b>	<b>DRILLER</b>	4223	<b>FEET</b>
	<b>LOGGER</b>	No Log	<b>FEET</b>

**LOG**

0	-	180	<b>FEET</b>	Top Soil and Sand
180	-	775	<b>FEET</b>	Red Bed
775	-	4223	<b>FEET</b>	Limestone and Shales

**CASING RECORDS**

SPUD @ 8:45 am on 12-15-96. Drilled 14-3/4" hole to 275'. Ran 6 joints of 10-3/4" surface casing. 257.60' set at 268'KB. Cemented with 220 sx 60/40 Poz, 2% Gel, 3% CC, Good returns. Plug down @ 2:15pm on 12-15-96 by Allied. Ticket # 4779.

Started plugging well at 8:00 pm on 12-20-96. Plug down at 9:30 pm on 12-20-96. Allied plugged well using 60/40 Poz, 6% Gel, Ticket # 1484. Plugging orders received on 12-16-96 by Steve Middleton. Plugged well as follows:

50' sacks @ 600', 75 sacks @ 300', 15 sacks @ 40', 15 sacks in rathole and 10 sacks in the mousehole.

**DEVIATION SURVEYS**

1/2 DEG. @ 275 FEET

RECEIVED  
STATE CORPORATION COMMISSION

FEB 25 1997

CONSERVATION DIVISION  
Wichita, Kansas

# ALLIED CEMENTING CO., INC.

1484

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

ORIGINAL

SERVICE POINT: M.B.

DATE <u>12-20-96</u>	SEC <u>34</u>	TWP. <u>25</u>	RANGE <u>11</u>	CALLED OUT <u>5:30 PM</u>	ON LOCATION <u>6:30 PM</u>	JOB START <u>8:00 AM</u>	JOB FINISH <u>11:00 AM</u>
LEASE <u>Zink</u>	WELL # <u>2-34</u>	LOCATION <u>Zink 95 1st 2nd w/s</u>	COUNTY <u>Stafford</u>	STATE <u>K.S.</u>			

OLD OR  NEW (Circle one)

CONTRACTOR <u>Stirling Drilling Rig #11</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Rotary Plug</u>	CEMENT
HOLE SIZE _____ T.D. <u>4223 ft</u>	AMOUNT ORDERED <u>165 40 603.90</u>
CASING SIZE _____ DEPTH <u>257 ft</u>	
TUBING SIZE _____ DEPTH _____	
DRILL PIPE <u>4 1/2</u> DEPTH <u>600 ft</u>	
TOOL _____ DEPTH _____	
PRES. MAX _____ MINIMUM _____	COMMON <u>99</u> @ <u>6.10</u> <u>603.90</u>
MEAS. LINE _____ SHOE JOINT _____	POZMIX <u>66</u> @ <u>3.15</u> <u>207.90</u>
CEMENT LEFT IN CSG. _____	GEL <u>9</u> @ <u>9.50</u> <u>85.50</u>
PERFS. _____	CHLORIDE _____ @ _____

**EQUIPMENT**

PUMP TRUCK # <u>120</u>	CEMENTER <u>Mike M</u>
	HELPER <u>Duane S.</u>
BULK TRUCK # <u>342</u>	DRIVER <u>Kevin R.</u>
BULK TRUCK # _____	DRIVER _____

HANDLING <u>165</u>	@ <u>1.05</u>	<u>173.25</u>
MILEAGE <u>23</u>		<u>151.80</u>
		TOTAL <u>\$1222.35</u>

**REMARKS:**

<u>50</u> sk at <u>600 ft</u>
<u>75</u> sk at <u>300 ft</u>
<u>15</u> sk at <u>40 ft plug at 40 ft</u>
<u>15</u> sk in <u>Rat Hole</u>
<u>10</u> sk in <u>Moose Hole</u>

**SERVICE**

DEPTH OF JOB <u>600 ft</u>	
PUMP TRUCK CHARGE _____	<u>445.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>23</u> @ <u>2.85</u>	<u>65.55</u>
PLUG <u>1-10 3/4</u> <u>dry</u> @ <u>23.00</u>	<u>23.00</u>
	@ _____
	@ _____
TOTAL <u>\$533.55</u>	

CHARGE TO: PAMA Operating Co Inc  
 STREET PO Box 159  
 CITY Stafford STATE Ks ZIP 67578

FLOAT EQUIPMENT RECEIVED  
STATE CORPORATION COMMISSION

FEB 25 1997

CONSERVATION DIVISION  
Wichita, Kansas

Thank you  
PAMA Operating Co Inc  
Kevin

# ALLIANCE CEMENTING CO., INC.

4779

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

ORIGINAL

SERVICE POINT: Hot Bend

DATE <u>12-15-96</u>	SEC. <u>34</u>	TWP. <u>25</u>	RANGE <u>11</u>	CALLED OUT <u>8:30AM</u>	ON LOCATION <u>11:30AM</u>	JOB START <u>1:45PM</u>	JOB FINISH <u>2:15PM</u>
LEASE <u>Zink</u>	WELL# <u>2-34</u>	LOCATION <u>Stafford, 6S, 4E, 35, 1E, 4N</u>			COUNTY <u>Stafford</u>	STATE <u>Ks</u>	

OLD OR NEW (Circle one)

CONTRACTOR Sterling Drly

TYPE OF JOB Surface

HOLE SIZE 14 3/4" T.D. 275'

CASING SIZE 10 3/4" DEPTH 272'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. Dep = 26 bbis

OWNER Same

CEMENT

AMOUNT ORDERED 220 lbs 60/40 3% CC, 270 lbs

COMMON	<u>132 lb</u>	@	<u>6.10</u>	<u>805.20</u>
POZMIX	<u>88 lb</u>	@	<u>3.15</u>	<u>277.20</u>
GEL	<u>4 gal</u>	@	<u>9.50</u>	<u>38.00</u>
CHLORIDE	<u>7 gal</u>	@	<u>28.00</u>	<u>196.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>270</u>	@	<u>1.05</u>	<u>283.50</u>
MILEAGE	<u>2.20</u>	@	<u>96.00</u>	<u>211.20</u>

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

# 181 HELPER Bob B

BULK TRUCK DRIVER Tom W

# \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL 1749.80

REMARKS:

Run 272' of 10 3/4" cas. Broke circ.

Mixed 220 lbs 60/40 3% CC. Pumped

Plug with fresh water.

Cement did circulate

[Signature]

SERVICE

DEPTH OF JOB	<u>272'</u>			
PUMP TRUCK CHARGE				<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>23</u>	@	<u>2.85</u>	<u>65.55</u>
PLUG <u>1-10 3/4" TWP</u>		@		<u>55.00</u>
		@		
		@		

TOTAL 565.55

CHARGE TO: Pama Operating, Co, Inc.

STREET P.O. Box 159

CITY Stafford STATE Ks ZIP 67578

FLOAT EQUIPMENT

STATE Ks

RECEIVED

FEB 25 1997