

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

CONFIDENTIAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33335
Name: IA Operating, Inc.
Address: 900 N Tyler Road
City/State/Zip: Wichita, KS 67212
Purchaser: NCRA
Operator Contact Person: Hal Porter
Phone: (316) 721-0036
Contractor: Name: Murfin Drilling Co., Inc.
License: 30606
Wellsite Geologist: Randall Kilian

KCC

FEB 09 2005

CONFIDENTIAL

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW 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. _____

<u>12/15/04</u>	<u>12/22/04</u>	<u>12/22/04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25367-00-00
County: Ellis
SW_NW_SW_ Sec. 16 Twp. 14 S. R. 20 East West
1560 feet from (S) N (circle one) Line of Section
390 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW
Lease Name: Carolina Well #: 16-1
Field Name: Wildcat

Producing Formation: Lansing
Elevation: Ground: 2154' Kelly Bushing: 2159'
Total Depth: 3898' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 235' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1452 Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan *ALT II W HM*
(Data must be collected from the Reserve Pit) *4-25-07*
Chloride content 58,000 ppm Fluid volume 400 bbls
Dewatering method used Evaporation/Backfill
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: Hal Porter
Title: President Date: 2/9/05
Subscribed and sworn to before me this 9 day of February
20 05
Notary Public: Julie Burrows
Date Commission Expires: March 1, 2005

JULIE BURROWS
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-1-05

KCC Office Use ONLY

Letter of Confidentiality Received **RECEIVED**
 If Denied, Yes Date: _____
 Wireline Log Received **FEB 10 2005**
 Geologist Report Received **KCC WICHITA**
 UIC Distribution

Operator Name: IA Operating, Inc. Lease Name: Carolina Well #: 16-1
 Sec. 16 Twp. 14 S. R. 20 East West County: Ellis

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 all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Geologist Well Report, Microresistivity Log, Dual Induction Log, Borehole Compensated Sonic Log, Dual Compensated Porosity Log	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1448'</td> <td>+711</td> </tr> <tr> <td>Topeka</td> <td>3170'</td> <td>-1011</td> </tr> <tr> <td>Heebner Shale</td> <td>3412'</td> <td>-1253</td> </tr> <tr> <td>Toronto</td> <td>3432'</td> <td>-1273</td> </tr> <tr> <td>Lansing</td> <td>3453'</td> <td>-1294</td> </tr> <tr> <td>Base KC.</td> <td>3699'</td> <td>-1540</td> </tr> <tr> <td>Total Depth</td> <td>3898'</td> <td>-1739</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	1448'	+711	Topeka	3170'	-1011	Heebner Shale	3412'	-1253	Toronto	3432'	-1273	Lansing	3453'	-1294	Base KC.	3699'	-1540	Total Depth	3898'	-1739
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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	12 1/4"	8 5/8"	23#	235'	60/40 Poz	160	3%CC- 2% gel
Production	7 7/8"	5 1/2"	15.5	3895'	ASC	150	2% gel-500 wfr2

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone		60/40 Poz	175	6% gel 1/4 floeal

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
4	3810-12		

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		2 7/8"	3789'			
Date of First, Resumerd Production, SWD or Enhr.			Producing Method			
2/1/05			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
	42		0			

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

KCC
FEB 09 2005
CONFIDENTIAL

RECEIVED
FEB 10 2005

KCC WICHITA

ALLIED CEMENTING CO., INC. 18930

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

SERVICE POINT: R

DATE <u>121504</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Carolina</u>	WELL # <u>16-A</u>	LOCATION <u>Ellis 7 1/2 S E.S.</u>			COUNTY <u>ELLIS</u>	STATE <u>KS</u>	<u>7:15 pm</u>
OLD OR NEW (Circle one)		KCC					

CONTRACTOR Murfin Dily #16

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 236

CASING SIZE 8 7/8 DEPTH 234

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG 10' 15"

PERFS. _____

DISPLACEMENT 23# 14.50 BBT

OWNER FEB 09 2005

CONFIDENTIAL

CEMENT AMOUNT ORDERED 160 com 342

COMMON	<u>160</u>	@	<u>7.85</u>	<u>1256.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>11.00</u>	<u>33.00</u>
CHLORIDE	<u>5</u>	@	<u>33.00</u>	<u>165.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168</u>	@	<u>1.35</u>	<u>226.80</u>
MILEAGE	<u>5 1/4 / SK / mile</u>			<u>378.00</u>
TOTAL				<u>2058.00</u>

EQUIPMENT

345

PUMP TRUCK # 345 CEMENTER Dave Steve HELPER _____

BULK TRUCK # _____ DRIVER _____

BULK TRUCK # 222 DRIVER Craig

REMARKS:

Cement Ctr

CHARGE TO: I. A. Operating Inc

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE			<u>570.00</u>	
EXTRA FOOTAGE		@		
MILEAGE	<u>45</u>	@	<u>4.00</u> <u>180.00</u>	
MANIFOLD		@		
		@		
		@		
TOTAL				<u>750.00</u>

PLUG & FLOAT EQUIPMENT

<u>8 5/8 Plug</u>	@	<u>55.00</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.

RECEIVED
FEB 10 2005
KCC WICHITA

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Bill Wynn

THANKS

Bill Wynn
PRINTED NAME Good Job Dave

480- ALLIED CEMENTING CO., INC. 19409

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

SERVICE POINT:

KCC Russell

DATE <u>12-29-04</u>	SEC. <u>16</u>	TWP. <u>14</u>	RANGE <u>20</u>	CALLED OUT <u>5:00 pm</u>	ONE LOCATION <u>FEB 09 2005</u>	JOB START	JOB FINISH <u>11:30 am</u>
LEASE <u>Caroling</u>		WELL # <u>16-1</u>	LOCATION <u>Ellis bts</u>	CONFIDENTIAL		COUNTY <u>11 is</u>	STATE <u>K</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR MURFIN #16

TYPE OF JOB Prod CSG

HOLE SIZE 7 7/8 T.D. 3898

CASING SIZE 5 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 92.2 bbls

OWNER

CEMENT

AMOUNT ORDERED

175 skw ASC 2% Gel

500 gal WFR

COMMON	@		
POZMIX	@		
GEL <u>3</u>	@	<u>11.00</u>	<u>33.00</u>
CHLORIDE	@		
ASC <u>175</u>	@	<u>9.80</u>	<u>1715.00</u>
WFR-2 <u>500 gals</u>	@	<u>1.00</u>	<u>500.00</u>
	@		
	@		
	@		
	@		
	@		
HANDLING <u>178</u>	@	<u>1.35</u>	<u>240.00</u>
MILEAGE <u>54/sk/mile</u>			<u>460.00</u>
		TOTAL	<u>2888.00</u>

REMARKS:

Pipelet e 3892

Shoe pt. 17.85

Insert e 3873

pump 500gal Flush, Follow w/ 150 skw

of cement pump plug w/ 92.2 bbls of water

Land plug @ 1200 psi float did hold

1.5 skw RH

10 skw m#.

CHARGE TO: F.A. operating, Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

P.C.#58

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.

Faxed:
12/29/04

SIGNATURE

[Signature]

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 1180.00

EXTRA FOOTAGE @ _____

MILEAGE 45 @ 4.00 180.00

MANIFOLD @ _____

1-52 Rubber @ _____

RECEIVED @ _____

FEB 10 2005

TOTAL 1360.00

KCC WICHITA

PLUG & FLOAT EQUIPMENT

<u>Plug 5-12</u>		<u>60.00</u>
<u>7-Centrifuges</u>	@ <u>50.00</u>	<u>350.00</u>
<u>2-BASKETS</u>	@	<u>128.00</u>
<u>1-Guide Shoe</u>	@	<u>150.00</u>
<u>1-PORTCOLLA "W"</u>	@	<u>1500.00</u>
<u>1-AFO Insert</u>	@	<u>235.00</u>
<u>12-Reciprocating Sealers</u>	<u>35.00</u>	<u>420.00</u>
		TOTAL <u>2843.00</u>

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME

ALLIED CEMENTING CO., INC. 19415

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

SERVICE POINT:

Russell

DATE <i>12-31-04</i>	SEC.	TWP.	RANGE	CALLED OUT <i>7:30 AM</i>	ON LOCATION <i>11:00 AM</i>	JOB START	JOB FINISH <i>11:50 AM</i>
LEASE <i>Caroline</i>		WELL # <i>16-1</i>		LOCATION <i>Ellis 625</i>		COUNTY <i>KCC</i>	STATE <i>KS</i>
OLD OR NEW (Circle one)				FEB 09 2005			

CONTRACTOR *MURFIN*

TYPE OF JOB *Port Collar 1452*

HOLE SIZE _____ T.D. _____

CASING SIZE *5 7/8* DEPTH _____

TUBING SIZE *2 3/8* DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER **CONFIDENTIAL**

CEMENT

AMOUNT ORDERED
3500 60/40 60/60 1/2 #110

Used 1750

COMMON	<i>105</i>	@	<i>785</i>	<i>824.25</i>
POZMIX	<i>70</i>	@	<i>410</i>	<i>287.00</i>
GEL	<i>9</i>	@	<i>11.00</i>	<i>99.00</i>
CHLORIDE		@		
ASC		@		
<i>Fixal</i>	<i>14#</i>	@	<i>140</i>	<i>616.00</i>
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>368</i>	@	<i>1.35</i>	<i>496.80</i>
MILEAGE	<i>54 1/2</i>		<i>15.00</i>	<i>828.00</i>
TOTAL				<i>2596.65</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Bill*

366 HELPER *PAJ*

BULK TRUCK

_____ DRIVER *GARY*

BULK TRUCK

_____ DRIVER _____

REMARKS:

PC 21452

press to 800# open tool

Est. Circ.

Cement 1750# cement

CIRC TO PIT.

4000# in pit.

close tool, press to 800#

Kan. 5 ft, wash clean

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<i>700.00</i>
EXTRA FOOTAGE		@		
MILEAGE	<i>45</i>	@	<i>4.00</i>	<i>180.00</i>
MANIFOLD		@		
		@		
		@		
TOTAL				<i>880.00</i>

CHARGE TO: *J A Operations*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

RECEIVED _____ @ _____

FEB 10 2005 _____ @ _____

KCC WICHITA _____ @ _____

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]*

PRINTED NAME _____