

CONFIDENTIAL

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

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 33335
Name: IA Operating, Inc
Address: 900 N Tyler Road #14
City/State/Zip: Wichita, KS 67212
Purchaser: NCRA
Operator Contact Person: Hal Porter
Phone: (316) 721-0036
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Randall Kilian

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. _____

3/12/04 3/18/04 3/18/04
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 051-25281 - 00-00

County: Ellis

NE NW SE SW Sec. 29 Twp. 12 S. R. 16 ☐ East ☒ West
1200 feet from (S) / N (circle one) Line of Section
1720 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Mary Well #: 29-1

Field Name: Windholz

Producing Formation: LKC, Topeka, Arbuckle

Elevation: Ground: 2058' Kelly Bushing: 2063'

Total Depth: 3614 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 1230' 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

(Data must be collected from the Reserve Pit)

Chloride content 49,000 ppm Fluid volume 400 bbls

Dewatering method used evaporation/backfill

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____

Quarter _____ Sec. _____ Twp. _____ ☐ East ☐ West

County: _____ Docket No. _____

RELEASED
FROM
CONFIDENTIAL

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: _____

Title: President Date: 7/1/04

Subscribed and sworn to before me this 1 day of July 2004.

20 _____

Notary Public: Julie Burrows

Date Commission Expires: March 1, 2005

KCC Office Use ONLY

☒ Letter of Confidentiality Received
If Denied, Yes ☐ Date: _____
☐ Wireline Log Received
☐ Geologist Report Received
☐ UIC Distribution

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

ORIGINAL

Operator Name: IA Operating, Inc. Lease Name: Mary Well #: 29-1
 Sec. 29 Twp. 12 S. R. 16 ☐ 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 ☒ 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:

Geologist Well Report, Micro Log, Compensated
 Density Neutron Log, Dual Induction Log,

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Anhydrite	1226	+837
Topeka	2987'	-924
Heebner Shale	3233'	-1170
Lansing	3284'	-1221
Base/Kansas City	3514'	-1451
Arbuckle	3540'	-1477
Total Depth	3614'	-1551

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#	1230'	60/40	300	3%CaCl ₂ , 2%gel
Production	7 7/8"	5 1/2"	15.5	3612'	ASC	185	2%gel, 500 wfr-2

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
4	3541-42', 3368-70', 3375-80'	250 gal 15% MCA	
4	3437-41'	250 gal 15% MCA, retreat w/500 gal 15% MCA	
4	3312-16', 3326-32', 3368-70', 3375-80'	2750 gal 15% MCA, retreat w/500 gal 15% MCA, w/750 gal 15% MCA	
4	3484-87-, 3019-22'	250 gal 15% MCA, retreat w/500 gal 15% MCA	
4			

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		2 3/8"	3560'				
Date of First, Resumed Production, SWD or Enhr.				Producing Method			
4/18/04				<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.	Gravity
	15				10		34

Disposition of Gas METHOD OF COMPLETION Production Interval

☐ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
 (If vented, Submit ACO-18.) ☐ Other (Specify)

ALLIED CEMENTING CO., INC.

15605

Federal Tax I.D.#

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

SERVICE POINT:

R

CONFIDENTIAL

DATE <u>3/17/04</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>9:30 a.m.</u>	JOB START	JOB FINISH <u>1:45 a.m.</u>
LEASE <u>Mary</u>	WELL # <u>29-1</u>	LOCATION <u>Emmeram Church</u>				COUNTY <u>Ellis</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD <input type="radio"/> NEW (Circle one)							

CONTRACTOR Murfin #116

OWNER

TYPE OF JOB Longstring

HOLE SIZE 7 7/8" T.D. 3614'

CASING SIZE 5 1/2" DEPTH 3613

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 43'

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 85

EQUIPMENT

PUMP TRUCK CEMENTER Paul

222 HELPER Dave

BULK TRUCK

345 DRIVER Brent

BULK TRUCK

DRIVER

REMARKS:

Pumped 500 gal. WFR-2
Followed by 1855x ASC.
Displaced plug w/ 85 Bbls H₂O
Plug Landed. Float Held!
Thank You!
Rathole 155x

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>1130.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>20</u>	@ <u>3.50</u>	<u>70.00</u>
PLUG <u>5 1/2 TRP</u>	@	<u>50.00</u>
	@	
	@	

TOTAL 1250.00

CHARGE TO: I.A. Operating

STREET

CITY STATE ZIP

FLOAT EQUIPMENT

<u>5 1/2"</u>		
<u>Guide Shoe</u>	@	<u>150.00</u>
<u>AFU Insert</u>	@	<u>235.00</u>
<u>Cent. 8</u>	@ <u>40.00</u>	<u>320.00</u>
<u>Basket 1</u>	@	<u>128.00</u>
<u>Recip 5xth 23</u>	@ <u>35.00</u>	<u>805.00</u>

TOTAL 1638.00

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.

SIGNATURE [Signature]

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

[Signature]

PRINTED NAME

RECEIVED

JUL 06 2004

KCC WICHITA

ALLIED CEMENTING CO., INC.

16826

Federal Tax I.D.#

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

SERVICE POINT:

CONFIDENTIAL

DATE <u>3-13-04</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>6:30am</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>MARY</u>	WELL # <u>29-1</u>	LOCATION <u>EMMRAH CHURCH IN</u>			COUNTY <u>ELIOTS</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>MURFIN 16</u>	OWNER
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>1231</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>1222</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>3970</u>	
PERFS.	
DISPLACEMENT <u>75 1/4 BBL</u>	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>MARIL</u>
# <u>345</u>	HELPER <u>DAVE</u>
BULK TRUCK	
# <u>318</u>	DRIVER <u>CRAIG</u>
BULK TRUCK	
# <u>213</u>	DRIVER <u>BRENT</u>

REMARKS:

<u>CEMENT CIRC</u>
<u>5 BBL</u>
RECEIVED
JUL 06 2004
KCC WICHITA

CHARGE TO: I.A. OPERATING

STREET _____

CITY _____ STATE _____ ZIP _____

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.

SIGNATURE

[Signature]

CEMENT	
AMOUNT ORDERED <u>300 60/40 3% CC 28 GEL</u>	
RELEASED <u>75 CUM 3% CC</u>	
FROM	
CONFIDENTIAL	
COMMON <u>5355</u>	@ <u>7.15</u> <u>2538.25</u>
POZMIX <u>120</u>	@ <u>3.80</u> <u>456.00</u>
GEL <u>6</u>	@ <u>10.00</u> <u>60.00</u>
CHLORIDE <u>14</u>	@ <u>30.00</u> <u>420.00</u>
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING <u>495</u>	@ <u>1.15</u> <u>569.25</u>
MILEAGE <u>54/SK/MILE</u>	@ <u>495.00</u>
	TOTAL <u>4538.50</u>

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>630.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>20</u>	@ <u>3.50</u> <u>70.00</u>
<u>8 5/8 TRP</u>	@ <u>100.00</u>
	@
	@

TOTAL 800.00

PLUG & FLOAT EQUIPMENT

MANIFOLD	@
<u>8 5/8 345/16 PLATE</u>	@ <u>45.00</u>
	@
	@
	@

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

Bill Wynn

PRINTED NAME

Thanks