

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33573  
Name: Arena Resources, Inc.  
Address: 4920 S. Lewis, Suite 107  
City/State/Zip: Tulsa, OK 74105  
Purchaser: Oneok Midstream Gas Supply, LLC  
Operator Contact Person: Mike Barnhart  
Phone: (918) 747-6060  
Contractor: Name: Cheyenne Drilling a Div. of Trinidad Drilling, LP  
License: 33375  
Wellsite Geologist: Ron Osterbuhr

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. \_\_\_\_\_

5-25-06 5-26-06 6-10-06  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 069-20290-00-00  
County: Gray  
C E/2 E/2 SE Sec. 19 Twp. 27 S. R. 30  East  West  
1320 feet from (S) N (circle one) Line of Section  
330 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Kay Well #: 1-19  
Field Name: \_\_\_\_\_

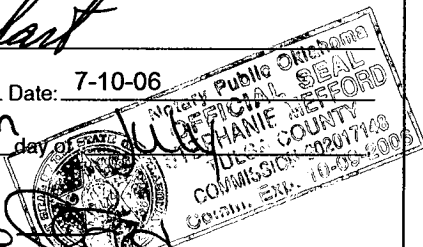
Producing Formation: Chase  
Elevation: Ground: 2806 Kelly Bushing: 2812  
Total Depth: 2720 Plug Back Total Depth: 2719  
Amount of Surface Pipe Set and Cemented at 554 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 2719  
feet depth to Surface w/ 625 sx cmt.

Drilling Fluid Management Plan 44-1149-8-08  
(Data must be collected from the Reserve Pit)  
Chloride content 6500 ppm Fluid volume 6000 bbls  
Dewatering method used Evaporation  
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: Mike Barnhart  
Title: Production Manager Date: 7-10-06  
Subscribed and sworn to before me this 10th day of July, 2006  
Stephanie M. Jefford  
Notary Public: \_\_\_\_\_  
Date Commission Expires: 10-09-2006



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Operator Name: Arena Resources, Inc. Lease Name: Kay Well #: 1-19  
 Sec. 19 Twp. 27 S. R. 30  East  West County: Gray

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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:  <b>Bond Log</b>	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>T/ Blaine</td> <td>1136</td> <td>+1676</td> </tr> <tr> <td>T/ Cedar Hills</td> <td>1316</td> <td>+1496</td> </tr> <tr> <td>B/ Stone Corral</td> <td>1848</td> <td>+964</td> </tr> <tr> <td>T/ Hollenburg</td> <td>2618</td> <td>+194</td> </tr> <tr> <td>T/ Herrington</td> <td>2649</td> <td>+163</td> </tr> <tr> <td>T/ Krider</td> <td>2673</td> <td>+139</td> </tr> <tr> <td>T/ Odell</td> <td>2702</td> <td>+110</td> </tr> <tr> <td><b>Total Depth</b></td> <td><b>2720</b></td> <td></td> </tr> </table>	Name	Top	Datum	T/ Blaine	1136	+1676	T/ Cedar Hills	1316	+1496	B/ Stone Corral	1848	+964	T/ Hollenburg	2618	+194	T/ Herrington	2649	+163	T/ Krider	2673	+139	T/ Odell	2702	+110	<b>Total Depth</b>	<b>2720</b>	
Name	Top	Datum																										
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T/ Odell	2702	+110																										
<b>Total Depth</b>	<b>2720</b>																											

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	24	554	Lite & Common	225 & 150	3% CC, 1/4# Flocele
Production	7 7/8	4 1/2	10.5	2719	Lite & ASC	500 & 125	2% Gel, 1/4# Flocele

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 SPF	2675-2683 (Krider)	1500 Gal 20% FE/MCA Acid	2657-2687
4 SPF	2654-2660 (Herrington)		

TUBING RECORD	Size <u>2 3/8"</u>	Set At <u>2621'</u>	Packer At <u>N/A</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enh. <u>6-10-06</u>		Producing Method <input checked="" type="checkbox"/> Flowing <input 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
		<u>340</u>	<u>0</u>	<u>None</u> <u>.697</u>

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 \_\_\_\_\_

**GEOLOGICAL SUMMARY**

**Arena Resources, Inc.**

**Kay #1-19**

**330' FEL, 1320' FSL Sec 19-T27S-R30W**

**Gray County, Kansas**

**API #15-069-20290**

**Elevations: G.L.- 2806', K.B.- 2812' (reference datum)**

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The following formation depths were determined from cased-hole electric logs, and the sub-sea datums are referenced to the KB elevation of 2830':

<u>Formation</u>	<u>Log Depth</u>	<u>Datum +/- to Schmidt #1-30</u>	
T/Blaine	1136'	+1676'	-25'
T/Cedar Hills	1316'	+1496	-10'
B/Stone Corral	1848'	+ 964'	+1'
T/Hollenberg	2618'	+ 194'	-3'
T/Herington	2649'	+ 163'	0'
T/Krider	2673'	+ 139'	+2'
T/Odell	2702'	+ 110'	-5'
Total Depth	2720'	+ 92'	

The sub-sea datums are also compared to datums from the Arena Resources-Schmidt #1-30 well located in the SW NW NE sec 30-T27S-R30W.

The Herington-Krider interval consists primarily of tan to light gray, finely crystalline to sucrosic, slightly argillaceous and silty dolomite, with intercrystalline to vuggy porosity. The Odell Shale from consists of light gray, silty, slightly calcareous to dolomitic shale and siltstone. Recommended perforations are the upper Herington from 2654'-2660', and the Krider interval from 2675'-2683'.

Ron Osterbuhr  
06/2006

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DRILLER'S LOG

ARENA RESOURCES, INC  
KAY #1-19  
SECTION 19-T27S-R30W  
GRAY COUNTY, KANSAS

COMMENCED: 05-25-06  
COMPLETED: 05-27-06

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SURFACE CASING: 554' OF 8 5/8" CMTD  
W/225 SKS PREMIUM PLUS LITE +3% CC +  
1/4 #/SK FLOCELE. TAILED W/125 SKS  
COMM + 3% CC.

FORMATION	DEPTH
SURFACE HOLE	0 - 555
RED BED	555 - 1260
GLORIETTA	1260 - 1468
RED BED	1468 - 2720 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING

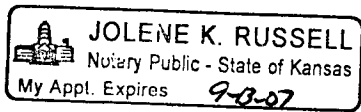
WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 30<sup>TH</sup> DAY OF MAY, 2006.

JOLENE K. RUSSELL

NOTARY PUBLIC



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# ALLIED CEMENTING CO., INC.

22295

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

**KCC**  
JUL 13 2006

SERVICE POINT:  
*Ogley*

DATE <i>5/25/06</i>	SEC. <i>19</i>	TWP. <i>27c</i>	RANGE <i>30w</i>	CONFIDENTIAL	ON LOCATION <i>5:30 PM</i>	JOB START <i>5:15 PM</i>	JOB FINISH <i>8:45 PM</i>
LEASE <i>Kay</i>	WELL# <i>1-19</i>	LOCATION <i>Copeland 9 3/4 N W 15</i>			COUNTY <i>Cray</i>	STATE <i>Ks</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Cheyenne #8*

TYPE OF JOB *Unit 8 1/2 CSG*

HOLE SIZE *17 1/4* T.D. *555*

CASING SIZE *5 5/8 23"* DEPTH *555*

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

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

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

PRES. MAX *250* MINIMUM *100*

MEAS. LINE \_\_\_\_\_ SHOE JOINT *2/1*

CEMENT LEFT IN CSG. *21*

PERFS. \_\_\_\_\_

DISPLACEMENT *34 BBL*

OWNER *Arcadia Resources*

CEMENT

AMOUNT ORDERED

*225 sks Lite + 39 sks 4" Flo-seal*

*125 sks Com + 39 sks*

COMMON	<i>125 sks</i>	@	<i>11.00</i>	<i>1375.00</i>
POZMIX		@		
GEL		@		
CHLORIDE	<i>11 sks</i>	@	<i>42.00</i>	<i>462.00</i>
ASC		@		
<i>Lite-weight</i>	<i>225 sks</i>	@	<i>10.20</i>	<i>2295.00</i>
<i>Flo-seal</i>	<i>39"</i>	@	<i>1.80</i>	<i>100.80</i>
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>375 sks</i>	@	<i>1.70</i>	<i>637.50</i>
MILEAGE	<i>74 1/2 mi</i>			<i>1443.75</i>

TOTAL \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER *Max*

# *191* HELPER *FUZZY*

BULK TRUCK

# *347* DRIVER *Larry*

BULK TRUCK

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

**REMARKS:**

*Unit 8 1/2 CSG with 225 sks Lite + 125 sks Com Displace 34 BBL Close IN CSG Cement Did Circulate*

**SERVICE**

DEPTH OF JOB *555*

PUMP TRUCK CHARGE *735.00*

EXTRA FOOTAGE *255* @ *.60* *153.00*

MILEAGE *55 mi* @ *5.00* *275.00*

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

CHARGE TO: *Cheyenne Drilling*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

SIGNATURE *Rud. Steintink*

*Rud. Steintink*

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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.



07/13/08

4920 S. Lewis, Suite 107 Tulsa, Oklahoma 74105  
Phone (918) 747-6060 FAX (918) 747-7620

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Kansas Corporation Commission  
130 S. Market, Room 2078  
Wichita, Kansas 67202

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Re: ~~Schmidt 2-29~~  
~~API# 15-069-20288~~  
~~Gray County, KS~~

Nichols 1-32  
API# 15-069-20289  
Gray County, KS

Kay 1-19  
API# 15-069-20290  
Gray County, KS

Hornbaker 1-30  
API# 15-069-20287  
Gray County, KS

Gentlemen:

Arena Resources, Inc. respectfully requests that the referenced well completion information be held confidential for the maximum time allowed by rule.

Sincerely,

Mike Barnhart



6555 S. Lewis Avenue Tulsa, Oklahoma 74136  
Phone (918) 747-6060 FAX (918) 747-7620

Kansas Corporation Commission  
Conservation Division  
130 S. Market, Room 2078  
Wichita, KS 67202-3802

August 25, 2008

Attn: Naomi Hollon  
Production Department

Re: Kay #1-19  
E/2 E/2 SE/4 Sec. 19-27S-30W  
Gray County, KS  
API # 069-20290

Dear Ms. Hollon:

The referenced well was spud on 5-25-06 with TD reached on 5-26-06. Bore hole problems encountered at TD made running Open Hole Logs impractical, so casing was ran and cemented. On completion a Dual Spaced Cement Bond Log was ran from TD to ground level, with Gamma Ray correlation being used to perforate. The Dual Spaced Cement Bond Log is the only electric log representing this well.

Enclosed is a copy of this log previously submitted with the ACO-1.

If more information is required, please advise.

Sincerely:

A handwritten signature in black ink that reads "Mike Barnhart". The signature is written in a cursive, flowing style.

Mike Barnhart  
Production Manager

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AUG 27 2008

CONSERVATION DIVISION  
WICHITA, KS