

**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 # 33342  
 Name: Blue Jay Operating  
 Address: P.O. Box 296  
 City/State/Zip: Fredonia, KS 66736  
 Purchaser: Southeastern Kansas Pipeline  
 Operator Contact Person: Tracy Miller  
 Phone: (620) 378-3650  
 Contractor: Name: Well Refined Drilling  
 License: 33072  
 Wellsite Geologist: \_\_\_\_\_  
 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. \_\_\_\_\_  

9/15/06	9/19/16	6/10/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-26661-00-00  
 County: Wilson  
NE NE SW Sec. 31 Twp. 28 S. R. 14  East  West  
2310 feet from S /  (circle one) Line of Section  
2100 feet from E /  (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE  NW SW  
 Lease Name: Arnold Well #: A-2  
 Field Name: Cherokee Basin Coal Gas Area  
 Producing Formation: See Perforating Record  
 Elevation: Ground: 858.3' Kelly Bushing: NA  
 Total Depth: 1380' Plug Back Total Depth: 1369'  
 Amount of Surface Pipe Set and Cemented at 40' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from bottom casing  
 feet depth to surface w/ 145 sx cmt.

**Drilling Fluid Management Plan** *AH II NH7-2108*  
 (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: Shannon Stube

Title: Administrative Assistant Date: 8/17/07

Subscribed and sworn to before me this 17 day of August, 2007.

Notary Public: Tracy Miller  
 Date Commission Expires: 12/1/2010

**TRACY MILLER**  
 Notary Public - State of Kansas  
 My Appt. Expires 12/1/2010

**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  No Date: 8-27-07  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**AUG 23 2007**

CONSERVATION DIVISION  
 WICHITA, KS

Operator Name: Blue Jay Operating Lease Name: Arnold Well #: A-2  
 Sec. 31 Twp. 28 S. R. 14  East  West County: Wilson

**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>High Resolution Compensated Density / Neutron Log Bond Log</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum  Driller Log Enclosed
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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	12.25"	8.625"	26#	40'	Portland		
Longstring	6.75"	4.5"	10.5#	1375'	Thick Set	145	

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	Hushpuckney 675'-676'	Hushpuckney Water Frac: 825# 16/30 Sand	
4	Mulberry 915'-916'	Mulberry Water Frac: 1900# 16/30 Sand	
4	Summit 991.5'-993'; Mulky 1002'-1004'	Summit / Mulky Water Frac: 12650# 16/30 Sand	
4	Bevier 1069'-1070'; Croweburg 1088'-1090.5'	Bevier / Croweburg Water Frac: 7200# 16/30 Sand	
4	Fleming 1117'-1118'	Fleming Water Frac: 1950# 16/30 Sand	

TUBING RECORD		Size	Set At	Packer At	Liner Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 6/11/07		Producing Method <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
		20	50-75		

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: \_\_\_\_\_

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WICHITA, KS

# Well Refined Drilling Co., Inc.

4230 Douglas Road Thayer, KS 66776

Contractor License # 33072

620-839-5581/ Office; 620-432-6170/Jeff Kephart Cell; 620-839-5582/FAX

Rig #:	3	Lic: 33342				S 31	T 28S	R 14E
API #:	15-205-26661-0000					Location: NW4, NW4, SW		
Operator:	Blue Jay Operating LLC					County: Wilson		
4916 Camp Bowie Suite 204 Fort Worth, TX 76107			<b>Gas Tests</b>					
Well #:	A-2	Lease Name: Amold	Depth	Pounds	Orifice	flow - MCF		
Location:	2310 ft. from S	Line	430	No Show				
	2100 ft. from W	Line	555	5	3/8"	7.98		
Spud Date:	9/15/2006		605	9	3/8"	10.7		
Date Completed:	9/19/2006	TD: 1380	680	6	1 1/2"	170		
Driller:	Joey Napier		755	5	1 1/2"	99.5		
<b>Casing Record</b>	Surface	Production	780	Gas Check Same				
Hole Size	11 1/4"	6 3/4"	880	Gas Check Same				
Casing Size	8 5/8"		1005	Gas Check Same				
Weight	26#		1080	15	1 1/2"	270		
Setting Depth			1105	16	1 1/2"	278		
Cement Type	Portland		1130	17	1 1/2"	287		
Sacks	Consolidated		1305	20	1 1/2"	311		
Feet of Casing	40'							
<b>Well Log</b>								
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	2	OB	525	528	shale	761	771	sand
2	5	clay	528	602	lime	771	775	shale
5	70	sand	602	605	blk shale	775	777	coal
70	220	shale	605	612	lime	777	779	shale
220	222	lime	612	620	shale	779	785	lime
222	227	shale	620	640	sand	785	790	shale
227	240	lime	640	645	shale	790	795	lime
240	325	shale	645	660	lime	795	810	shale
325	340	sand	660	662	shale	810	812	lime
340	341	shale	662	675	lime	812	815	shale
341	358	lime	675	676	shale	815	817	lime/ shale
358	368	shale	676	677	coal. <i>thin part</i>			Oil Odor
368	415	lime	677	727	lime	817	835	lime
415	460	sand	727	744	shale	835	845	sand
460	462	shale	744	747	blk shale	845	847	shale
462	471	sand	747	754	shale	847	851	sandy/ shale
471	497	shale	754	755	blk shale	851	854	shale
497	525	lime	755	756	coal	854	865	sand
510		Oil Odor	756	761	shale	865	867	shale

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Operator: Blue Jay Operating LLC			Lease Name: Arnold			Well # A-2			page 2
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation	
867	868	coal	1160	1170	sand				
868	875	sand	1170	1200	shale				
875	878	shale	1200	1203	lime				
878	885	sand	1203	1280	shale				
885	910	shale	1280	1380	Mississippi- lime				
910	916	lime	1380		Total Depth				
916	917	coal							
917	919	shale							
919	943	lime							
943	945	blk shale							
945	955	shale							
955	960	sand							
960	974	shale							
974	976	lime							
976	978	shale							
978	990	lime							
990	991	shale							
991	993	blk shale							
993	994	shale							
994	1000	lime							
1000	1001	shale							
1001	1002	coal							
1002	1015	shale							
1015	1017	lime							
1017	1050	sand							
1050	1068	shale							
1068	1069	coal							
1069	1089	shale							
1089	1090	blk shale							
1090	1091	coal							
1091	1115	shale							
1115	1116	coal							
1116	1135	shale							
1135	1136	coal							
1136	1160	shale							

Notes: 06LI-091906-R3-088-Arnold A-2 - BJO

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**CONSOLIDATED OIL WELL SERVICES C.**  
 P.O. BOX 884, CHANUTE, KS 66720  
 820-431-8210 OR 800-467-8578

TICKET NUMBER 10747  
 LOCATION Eureka  
 FOREMAN Kevin McCoy

**TREATMENT REPORT & FIELD TICKET  
 CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-20-06		ARNOLD # 2				WILSON	
CUSTOMER Gateway Titan			South River Resources	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS P.O. Box 960				445	Justin		
CITY Meeker				439	JERRID		
STATE OK				496	John		
ZIP CODE 74855				452 T63	Jim		

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1380' CASING SIZE & WEIGHT 4 1/2 10.5" new  
 CASING DEPTH 1375 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4" SLURRY VOL 4406L WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 21.0 BBL DISPLACEMENT PSI 600 PSI 1100 Bump Plug RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up wash Head to 4 1/2 casing. BREAK Circulation w/ 10 BBL fresh water. wash down 25' 4 1/2. Pump 8 SKS GEL flush, 10 BBL fresh water, 13 BBL Dye water. Rig up Cement Head. Mixed 145 SKS THICK Set Cement w/ 5" Kel-Seal per/sk @ 13.4" per/gal yield 1.69. wash out Pump & Lines. Shut down. Release Plug. Displace w/ 21.0 BBL fresh water. Final Pumping Pressure 600 PSI. Bump Plug to 1100 PSI. Wait 2 minutes. Release Pressure. Flat Held. Shut casing in @ 0 PSI. Good Cement Returns to Surface = 9 BBL slurry. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	800.00	800.00
5406	40	MILEAGE	3.15	126.00
1126 A	145 SKS	THICK SET Cement	14.65	2124.25
1110 A	725 *	Kel-Seal 5" per/sk	.36 *	261.00
1118 A	400 *	Gel Flush	.14 *	56.00
5407	Tons	Ton Mileage BULK TRUCK	MIC	275.00
5501 C	3 HRS	WATER TRANSPORT	98.00	294.00
5502 C	3 HRS	80 BBL VAC TRUCK	90.00	270.00
1123	5000 gals	City water	12.80 <sup>per 1000</sup>	64.00
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
4129	1	4 1/2 CENTRALIZEE	36.00	36.00
4161	1	4 1/2 AFU Flapper Valve Flat Shoes	248.00	248.00
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AUG 23 2007			Sub Total	4594.25
THANK YOU			SALES TAX	178.24
6.3%			ESTIMATED TOTAL	4772.49
WICHITA, KS				

AUTHORIZATION Witnessed By GARY TITLE Co. Rep. / South River Res. DATE \_\_\_\_\_