

**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 # 33342  
Name: Blue Jay Operating LLC  
Address: 4916 Camp Bowie Blvd., Suite 204  
City/State/Zip: Fort Worth, TX 76107  
Purchaser: Cherokee Basin Pipeline LLC  
Operator Contact Person: Jens Hansen  
Phone: ( 817 ) 546-0034  
Contractor: Name: Cherokee Wells, LLC  
License: 33539

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Wellsite Geologist: NA  
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. \_\_\_\_\_

2/2/06 Spud Date or Recompletion Date	2/3/06 Date Reached TD	2/27/06 Completion Date or Recompletion Date
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API No. 15 - 15-205-26167-0000  
County: Wilson  
NE4 NE4 NE4 NE4 Sec. 10 Twp. 29 S. R. 14  East  West  
330' 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: Richardson Well #: A-3  
Field Name: Cherokee Basin Coal Gas

Producing Formation: See Perforating Records  
Elevation: Ground: 860' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1277' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 42' 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 135 \_\_\_\_\_ sx cmt.

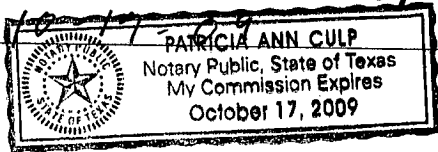
**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No. \_\_\_\_\_

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**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: \_\_\_\_\_ Date: 3-30-06  
Subscribed and sworn to before me this 30 day of March  
20 06.  
Notary Public: Patricia Ann Culp  
Date Commission Expires: \_\_\_\_\_



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

Operator Name: Blue Jay Operating LLC Lease Name: Richardson Well #: A-3  
 Sec. 10 Twp. 29 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  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:

High Resolution Compensated Density/Neutron Log; Dual Induction Log

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 Driller's Log Enclosed

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	11 1/4"	8 5/8"	26#	42'	Portland	10	
Long String	6 3/4"	4 1/2"	10.5	1265'	Thick Set Cement	135	See Attached

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	870'-874' - Mulky - 16 shots total	Mav Foam carrying 1800# 16/30 Arizona Sand	
4	926'-928' - Bevier; 944'-946' - Crowburg - 16 shots total	Mav Foam carrying 12550# 16/30 Brady Sand	
4	1044'-1050' - Weir - 24 shots total	Mav Foam carrying 18600# 16/30 Brady Sand	
		See Attached	

TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
2/27/06		<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-19.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval

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MAR 27 2006

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# Charlotte Wells, LLC

4916 Camp Bowie Blvd. Ste. 200 - Fort Worth, TX 76107

Contractor License # 33539

817-546-0034/ TX Office; 817-296-6541/Jens Hansen Cell; 817-624-1374/FAX

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

Rig #:	CW	Lic: 33342	S 10	T 29S	R 14E
API #:	15-205-26167-00-00		Location: NE4, NE4, NE4		
Operator:	Blue Jay Operating LLC		County: Wilson		

4916 Camp Bowie Suite 204		<b>Gas Tests</b>			
Fort Worth, TX 76107		Depth	Pounds	Orifice	flow - MCF

Well #:	A-3	Lease Name:	Richardson	To much water to get a gas test
Location:	330 ft. from N	Line		
	330 ft. from E	Line		

Spud Date:	2/2/2006				
Date Completed:	2/3/2006	TD:	1277		
Driller:	Jeff Thompson				

<b>Casing Record</b>	Surface	Production			
Hole Size	11 1/4"	6 3/4"			
Casing Size	8 5/8"				
Weight	26#				
Setting Depth	42'				
Cement Type	Portland				
Sacks	10				
Feet of Casing	42' 5"				

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**06LB-020306-CW-009-Richardson A-3 - BJO**

Rig Time	Work Performed				

## Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	9	OB	522	661	shale	1011	1013	coal
9	103	shale	661	770	sand	1013	1029	shale
103	109	lime			No Show	1029	1032	coal
109	122	shale	770	773	lime	1032	1045	sand/ shale
122	162	lime	773	774	coal	1045	1051	coal
162	260	shale	774	777	shale	1051	1137	shale
260	261	coal	777	801	Pink- lime	1137	1138	coal
261	284	sand	801	835	shale	1138	1163	shale
		No Show	835	854	Oswego- lime	1163	1165	coal
284	339	sand/ shale	854	860	Summit	1165	1170	shale
300		Inject Water	860	868	lime	1170	1277	Mississippi lime
339	456	lime	868	874	Mulky	1277		Total Depth
456	487	sand/ shale	874	876	lime			
390		1' Break A lot of Water	876	1001	shale			
487	503	shale	1001	1003	coal			
503	522	lime	1003	1011	shale			



12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 867-2766 · FAX (970) 867-6822

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**BLUE JAY OPERATING - FORT WORTH, TEXAS**  
**Coal Seam Frac Project**

March 2, 2006

**Blue Jay – Richardson A-3 C**

Mulky (870 – 874', 4 spf), 16 shots total.

Started pump-in with 420 bbl gelled water. Started with 500 gals of 7.5% HCl flushed with 630 gallons gelled water. Started treatment with a pad of 3750 gallons of MavFoam C70, followed by 1800 gal of MavFoam C70 carrying 1800 lbs 16/30 Arizona Sand at 1.0 ppg down hole. A total of 103,000 SCF of N<sub>2</sub> was used.

Formation broke down at 3867 psi. Started pump-in, STP-48, BH-92. Started acid @ 3.0 bpm, STP-3747, BH-4001. Started flush, STP-2822, BH-3099. Started Pad , STP-2088, BH-2360; rate was increased to 19 bpm due to falling pressure. Initial FQ was 58. Sand stages were as follows: Started 1#, STP-1873, BH-2360, FQ-72. Pressure sharply increased when 1# hit the perforations. Sand was cut and went to flush. Screen out 1.6 bbl into flush leaving 1361 lbs in the pipe. Max pressure was 4000 psi.

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**MAVERICK**  
**STIMULATION COMPANY, LLC**

12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 887-2768 · FAX (970) 887-5922

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**BLUE JAY OPERATING - FORT WORTH, TEXAS**  
**Coal Seam Frac Project**

March 2, 2006

**Blue Jay - Richardson A-3 B**

Bevier (926 - 928', 4 spf), Crowburg (944 - 946', 4 spf), 16 shots total.

Started pump-in with 168 bbl gelled water. Started with 500 gals of 7.5% HCl flushed with 588 gallons gelled water. Started treatment with a pad of 4725 gallons of MavFoam C70, followed by 6500 gal of MavFoam C70 carrying 12550 lbs 16/30 Brady Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 617 gal gelled water, and over flushed with 84 gal gelled water. A total of 131,000 SCF of N<sub>2</sub> was used.

Formation broke down at 3226 psi. Started pump-in, STP-0, BH-41. Started acid @ 3.0 bpm, STP-3008, BH-3096. Started flush, STP-2782, BH-2949. Started Pad, STP-1487, BH-1863; rate was increased to 19 bpm due to falling pressure. Initial FQ was 52. Sand stages were as follows: Started 1#, STP-1431, BH-1507, FQ-72. Started 2#, STP-1487, BH-1596, FQ-72. Started 3#, STP-1408, BH-1531, FQ-72. Started Flush, STP-1390, BH-1491, FQ-72. Pad through sand stages were pumped @ 15-19 bpm downhole. Foam quality averaged 72Q. Max pressure was 3626 psi. Average rate was 18 bpm at 1413 psi surface (1530 psi bottomhole). ISIP - 893 psi; 5 min - 762 psi, 10 min - 731 psi, 15 min - 712 psi.

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**BLUE JAY OPERATING - FORT WORTH, TEXAS**  
**Coal Seam Frac Project**

March 2, 2006

**Blue Jay - Richardson A-3 A**

Weir (1044 - 1050', 4 spf), 24 shots total.

Started with 500 gals of 7.5% HCl flushed with 764 gallons gelled water. Started treatment with a pad of 5040 gallons of MavFoam C70, followed by 13605 gal of MavFoam C70 carrying 18600 lbs 16/30 Brady Sand at 0.25 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 697 gal gelled water, and over flushed with 84 gal gelled water. A total of 252,000 SCF of N<sub>2</sub> was used.

Formation broke down at 1688 psi. Started acid @ 4.5 bpm, STP-0, BH-41. Started flush, STP-1210, BH-1285. Started Pad, STP-1374, BH-1891; rate was increased to 17 bpm due to falling pressure. Initial FQ was 58. Sand stages were as follows: Started .25#, STP-1722, BH-1833, FQ-70. Rate was decreased to 16 BPM due to increase in pressure. Started .5#, STP-1814, BH-1935, FQ-72. Started 1#, STP-1818, BH-1951, FQ-72. Started 2#, STP-1874, BH-2030, FQ-72. Started 3#, STP-1853, BH-2031, FQ-71. Started Flush, STP-1792, BH-1958, FQ-72. Pad through sand stages were pumped @ 15-17 bpm downhole. Foam quality averaged 72Q. Max pressure was 1870 psi. Average rate was 16 bpm at 1822 psi surface (1965 psi bottomhole). ISIP - 1400 psi; 5 min - 1311 psi, 10 min - 1281 psi, 15 min - 1258 psi.

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**CONSOLIDATED OIL WELL SERVICES, INC.**  
 P.O. BOX 884, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

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**MAR 27 2006**

TICKET NUMBER **08287**

LOCATION EUREKA

FOREMAN KEVIN McCoy

**CONFIDENTIAL**  
**TREATMENT REPORT & FIELD TICKET**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
2-4-06	1294	Richardson A-3	10	295	14E	WILSON

CUSTOMER Blue Jay Operating  
 MAILING ADDRESS 4916 Camp Bowie Blvd. Ste 204  
 CITY FORTWORTH STATE TX. ZIP CODE 76107

Go-Joe  
Field  
Service

TRUCK #	DRIVER	TRUCK #	DRIVER
445	Russ		
442	RICK P.		

JOB TYPE Long string HOLE SIZE 6 3/4 HOLE DEPTH 1277' CASING SIZE & WEIGHT 4 1/2 10.5" New  
 CASING DEPTH 1265 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4 # SLURRY VOL 40 BBL WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 20. BBL DISPLACEMENT PSI 500 MAX PSI 1000 Bump Plug RATE

REMARKS: Safety Meeting: Rig up to 4 1/2 casing. Break Circulation w/ 10 BBL Fresh water. Pump 4 sks Gel flush, 12 BBL Dye water. Mixed 135 sks Thick Set Cement w/ 5" Kol-Seal per/sk @ 13.4 # per/gal, yield 1.69. Wash out Pump & Lines. Shut down. Release Plug. Displace w/ 20. BBL Fresh water. Final Pumping Pressure 500 PSI. Bump Plug to 1000 PSI. Wait 2 minutes. Release Pressure. Float Held. Shut casing in @ 6 PSI. Job Complete. Rig down.  
Note: Had Poor Fluid Returns to Surface while Displacing Plug. No Cement top Surface

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	135 sks	Thick Set Cement	13.65	1842.75
1110 A	14 sks	KOL-Seal 5" per/sk	17.75	248.50
1118 A	4 sks	Gel flush	7.00	28.00
5407	7.42 Tons	Ton Mileage BULK TRUCK	MIC	275.00
4404	1	4 1/2 Top Rubber Plug	40.00	40.00
4129	1	4 1/2 Centralizer	29.00	29.00
4161	1	4 1/2 AFU FLOAT shoe	146.00	146.00
			Sub TOTAL	3535.25
		THANK YOU	SALES TAX 6.3%	147.06
			ESTIMATED TOTAL	3682.31

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AUTHORIZATION

*Kevin McCoy*

TITLE

DATE





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Blue Jay Oper  
WELL ENGINEERING DRILLING REPORT

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DATE: 2-4-06

RIG:

SUPV:

RPT TIME

WELL NAME: Richardson A-3

POOL:

PROJECT #

AFE Cost

SEC. 10

TW 29

API#

Dry Hole Cost =

RANGE

County: NEYBON

State: KS

Csg Hole Cost =

DEPTH \_\_\_\_\_ DAYS \_\_\_\_\_ FOOTAGE MADE \_\_\_\_\_ HRS DRLG \_\_\_\_\_

PRESENT OPERATIONS:

24 HR SUMMARY

24 FORECAST

Bit Wt: \_\_\_\_\_ RPM \_\_\_\_\_ Torque: \_\_\_\_\_ ft/lb

AIR COMPRESSOR						SURVEYS			Stats	
Make	Model	HP	CFM	RPM	Pressure	Depth	Angle	Dir.	Spud Time:	Date:
									12:00 PM	2-2-06
									KB Elev.:	
									G.L. Elev.:	860'

Bit No.	Size	Make	Type	Ser.No.	Jets	In	Out	FTG	Hrs.	API Grade

Last Csg. Size: 8 3/4 Set @: 140 ft. Burst: \_\_\_\_\_  
 Next Csg. Size: 11 1/2 Set @: 1200 ft.

								COSTS				
Pipe	Size	lbs/ft	Grade	O.D.	LD.	Type	Total Ft	Code	Items	Previous	Daily	Cum.
DP									Location/Roads	300		300
DC									Rig-Footage	10,216		10,216
									Rig-Daywork			
									Water		600	600
									Frac Tanks			
									Mud & Chem.			
									Rental Tools			
									Cement & Ser.	80	3682	3762
									Open Hole Log		1750	1750
									Trucking			
									Contract Sup.	700	700	1400
									Casing Crew		1100	1100
									Miscellaneous			
									Casing Prod		8395	8395
									Surf Casing	700		700
									Cement Equip.		200	200
									Wellhead		100	100
									B.O.P.			
									Prev.	11,996		
									Day Total		16,527	
									Cum.:			28,523

**OPERATIONS**

HRS Comments

7:30 RD

8:00 MD

8:15 MERR USAGE & Wire line.

8:30 had well

10:00 MERR G/TOR Well Ser. RUN HI - 15  
 1/2 10.5" CASING, LAND AT 1266 ✓

MERR CTS TO CMT WITH BREAK  
 CIRCULATION High Push Mix &  
 Pump 135 gals thick set CMT 13.42  
 14 BPM 500% Pump plug at 1090 #  
 Ch float OK. Circulated No Cost.  
 To surface. Had bag fluid returns.  
 With tubing & CMT DN BACK  
 Side RD MD

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