

**AMENDED**  
**CONFIDENTIAL**

**ORIGINAL** 10/13/06

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

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  
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) - was SIGW

If Workover/Re-entry: Old Well Info as follows:  
Operator: Blue Jay Operating, LLC  
Well Name: Bates A-1  
Original Comp. Date: SIGW Original Total Depth: 1206'  
 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.  
*was SIGW waiting on pipeline*  
6/28/05 6/29/05 12/15/05  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-205-26013-0000  
County: Wilson  
E2 SE4 NW4 Sec. 35 Twp. 28 S. R. 14  East  West  
1980' feet from S  N (circle one) Line of Section  
2080' feet from E  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Bates Well #: A-1  
Field Name: Cherokee Basin Coal Gas  
Producing Formation: See Perforating Record  
Elevation: Ground: 871' Kelly Bushing: NA  
Total Depth: 1206' Plug Back Total Depth:  
Amount of Surface Pipe Set and Cemented at 41' 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/ 135 \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *ALTI with 12-13-07*  
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: *[Signature]*  
Title: \_\_\_\_\_ Date: 3-21-06  
Subscribed and sworn to before me this 21 day of March  
20 06  
Notary Public: *Patricia Ann Culp*  
Date Commission Expires: Oct 17, 2009

PATRICIA ANN CULP  
Notary Public, State of Texas  
My Commission Expires  
October 17, 2009

**KCC Office Use ONLY**  
Y Letter of Confidentiality Received OCT 13 2005  
If Denied, Yes  Date: \_\_\_\_\_  
Wireline Log Received **CONFIDENTIAL**  
Geologist Report Received **RECEIVED**  
UIC Distribution **APR 03 2006**  
**KCC WICHITA**

Side Two

Operator Name: Blue Jay Operating LLC Lease Name: Bates Well #: A-1  
 Sec. 35 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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Driller's Log Enclosed	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:			

Submitted with SIGW ACO-1 10/10/05

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 5/8"	26#	41'	Portland	8	
Long String	6 3/4"	4 1/2"	10.5	1195'	Thickset 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 <i>(Amount and Kind of Material Used)</i>	Depth
4	827'-829' Mulky - 8 shots total	Mav Foam carrying 8860# 16/30 Arizona Sand	
4	887'-889'- Bevier; 905'-907' Crowburg - 16 shots total	Mav foam carrying 12000# 16/30 Arizona Sand	
		See Attached	

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 3/8"	957'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Enhr. 12/15/05			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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APR 03 2006

KCC WICHITA

# 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

620-763-2619/ KS Office; 620-432-6170/Jeff Kephart Cell; 620-763-2065/FAX

KCC

OCT 13 2005

CONFIDENTIAL

Rig #:	CW		S 35 T 28 R 14E				
API #:	15-205-26013-00-00		Location E2, SE4, NW4				
Operator:	Blue Jay Operating LLC		County: Wilson				
	4916 Camp Bowie Suite 204						
	Fort Worth, TX 76107						
Well #:	A-1	Lease Name:	Bates	Depth	Pounds	Office	flow - MCF
Location:	1980	ft. from N	Line	854	1	1/4"	8.95
	2080	ft. from W	Line	904	Gas Check Same		
Spud Date:	6/28/2005			979	Gas Check Same		
Date Completed:	6/29/2005	TD:	1206	1004	Gas Check Same		
Geologist:				1054	Gas Check Same		
Casing Record	Surface	Production		1079	2 1/2	1/4"	14.3
Hole Size	11"	6 3/4"		1126	4	1/4"	18.5
Casing Size	8 5/8"						
Weight	26#						
Setting Depth	41'						
Cement Type	Portland						
Sacks	8 W						
Feet of Casing	41'						
Rig Time	Work Performed						

## Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	6	Overburden	547	558	lime	830	832	lime
6	119	shale	558	626	shale	832	852	shale
119	156	lime	626	639	lime	852	853	coal
156	221	shale	639	671	shale	853	886	sand/ shale
221	237	lime	671	672	coal	886	888	coal
237	245	shale	672	735	sand/ shale	888	904	sand/ shale
245	300	sand- No Show	735	738	lime	904	905	coal
300	316	sand/ shale	738	740	shale	905	957	shale
316	433	lime	740	741	coal	957	959	coal
433	440	shale	741	742	shale	959	968	shale
440	472	sand- No Show	742	764	Pink lime	968	981	sand- No Show
472	478	shale	764	793	shale	981	982	coal
478	493	lime	793	810	Oswego lime	982	988	sand/ shale
493	502	shale	810	819	summit	988	989	coal
502	531	lime- Oil	819	825	lime	989	1033	sand/ shale
531	547	shale	825	830	mulky	1033	1034	coal

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CONSOLIDATED OIL WELL SERVICES, INC.  
211 W. 14TH STREET, CHANUTE, KS 66720  
620-431-9210 OR 800-467-8678

OCT 13 2005

TICKET NUMBER 5467

CONFIDENTIAL

LOCATION Wichita

FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-30-05		Bates A1	35	28S	14E	Wilson
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Blue Jay Operating			446	Scott		
MAILING ADDRESS			442	Anthony		
4916 Camp Bowie Blvd. Ste 204			452-763	Jim		
CITY		STATE	ZIP CODE			
Ft Worth		Tx.	76107			

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1206' CASING SIZE & WEIGHT 4 1/2" - 10.5 lb.  
 CASING DEPTH 1195' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4" SLURRY VOL 40 Bbls. WATER gal/sk 8.0 CEMENT LEFT IN CASING 0'  
 DISPLACEMENT 19 Bbls. DISPLACEMENT PSI 600 PSI 1050 Loaded Plug RATE 4 BPM - 2 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with 25 Bbl. water.  
 Pumped 10 Bbl. Gel Flush, Pumped 10 Bbl. Dry water, Mixed 135 SKS Thick Set Cement w/ 5" PYSK of KOI-SEAL or  
 13" 1/4 PYSK. Shutdown wash out pump shims. Release Plug. Displace Plug with 19 Bbls water.  
 Final pumping at 600 PSI. Bumped Plug to 1050 PSI. wait 2 min. Release Pressure  
 Float Held. close casing in with 0 PSI  
 Good cement returns to surface with 9 Bbl. slurry  
 Job complete - Teardown

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	60	MILEAGE	2.50	150.00
1126 A	135 SKS.	Thick Set cement	13.00	1755.00
1110 A	13 SKS.	KOI-SEAL 5" PYSK	16.90	219.70
1118 A	4 SKS.	Gel - Flush Ahead	6.63	26.52
5407	242 Ton	mileage - Bulk Truck	m/l	240.00
5501C	4 Hrs.	water Transport	88.00	352.00
1123	6000 GAL.	City water	12.20 %	73.20
4156	1	4 1/2" Float shoe - Flapper type	123.00	123.00
4129	1	4 1/2" Cementizer	28.00	28.00
4404	1	4 1/2" Top Rubber Plug	38.00	38.00

RECEIVED SALES TAX ESTIMATED TOTAL 142.60  
 APR 23 2006 DATE 3913.02

AUTHORIZATION Bob McNew

TITLE \_\_\_\_\_

KCC WICHITA



12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 887-2766 · FAX (970) 887-8922

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

November 29, 2005

Blue Jay - Rates A-1, Stage B

Mulky (827-829, 4 spf), 8 shots total.

Started with pump-in of 588 gal gelled water. Followed by 500 gal 7.5% HCl. Followed by 399 gal of gelled water flush. Started treatment with a pad of 4760 gallons of MavFoam C70, followed by 4416 gals of MavFoam C70 carrying 8860 lbs 16/30 Arizona Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 550 gal gelled water. A total of 101,000 SCF of N<sub>2</sub> was used.

Started pump-in STP-34, BH-82. Started acid @ 3.0 BPM, STP-2737, BH-2855. Start flush, STP-2434, BH-2530. Started Pad, STP-1105, BH-1154; rate was increased to 16 BPM due to falling pressure and potentially losing pad. Initial FQ was 60. Sand stages are as follows: Started 1#, STP-1066, BH-1149, FQ-71. Started 2#, STP-1129, BH-1232, FQ-72; rate was increased to 17 BPM due to declining pressure. Start 3#, STP-1119, BH-1251, FQ-71. Started Flush, STP-1120, BH-1310, FQ-72. Pad through sand stages were pumped @ 15-17 BPM downhole. FQ averaged 71Q. Max pressure was 4112. Average rate was 16 bpm at 1129 psi surface (1211 psi bottomhole). ISIP was 616 psi; 5 min - 458 psi, 10 min - 432 psi, 15 min - 418 psi.

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**MAVERICK  
STIMULATION COMPANY, LLC**

12701 ENERGY RD. FT. MORGAN, CO. 80701 · PH (970) 887-2766 · FAX (970) 887-5922

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

November 29, 2005

**Blue Jay - Bates A-1, Stage A**

Bevier (887-889, 4 spf), Crowburg (905-907, 4 spf), 16 shots total.

Started with 500 gals of 7.5% HCl. Followed with 491 gal gelled water flush. Started treatment with a pad of 4760 gallons of MavFoam C70, followed by 6150 gals of MavFoam C70 carrying 12000 lbs 16/30 Arizona Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 592 gal gelled water, than over flushed by 42 gal. A total of 106,000 SCF of N<sub>2</sub> was used.

Formation broke down at 1847 psi. Started acid @ 3.5 bpm, STP-0, BH-41. Started Flush, STP-1263, BH-1449. Started Pad, STP-750, BH-1087, rate was increased to 17 BPM due to falling pressure and potentially losing pad. Initial FQ was 60. Sand stages are as follows: Start 1#, STP-801, BH-869, FQ-72. Start 2#, STP-854, BH-953, FQ-72. Start 3#, STP-850, BH-954, FQ-73. Start Flush, STP-840, BH-1013, FQ-71. Pad through sand stages were pumped @ 15-17 BPM downhole. FQ averaged 72Q. Max pressure was 1847. Average rate was 16 bpm at 852 psi surface (956 psi bottomhole). ISIP was 489 psi; 5 min - 409 psi, 10 min - 393 psi, 15 min - 382 psi.

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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

**CONFIDENTIAL**

**ORIGINAL**

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  
Wellsite Geologist: NA

API No. 15 - 15-205-26013-0000  
County: Wilson  
E2 SE NW Sec. 35 Twp. 28 S. R. 14  East  West  
1980' feet from S (N) (circle one) Line of Section  
2080' feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Bates Well #: A-1  
Field Name: Cherokee Basin Coal Gas  
Producing Formation: See Perforating Record  
Elevation: Ground: 871' Kelly Bushing: 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.)

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Total Depth: 1206' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 41' 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/ 135 sx cmt.

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. \_\_\_\_\_

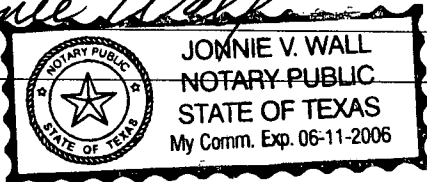
<u>6/28/05</u>	<u>6/29/05</u>	
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

**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: **KCC**  
Operator Name: \_\_\_\_\_ **OCT 13 2005**  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ **CONFIDENTIAL**  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

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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: Jens Hansen  
Title: Mgr. Date: 10-19-05  
Subscribed and sworn to before me this 17th day of October  
2005  
Notary Public: Jonnie V. Wall  
Date Commission Expires: \_\_\_\_\_



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

CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: Blue Jay Operating, LLC Lease Name: Bates Well #: A-1
Sec. 35 Twp. 28 S. R. 14 [X] 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 [X] No
Samples Sent to Geological Survey [ ] Yes [X] No
Cores Taken [ ] Yes [X] No
Electric Log Run [X] Yes [ ] No
List All E. Logs Run:
Electric Log Enclosed
[X] Log Formation (Top), Depth and Datum [ ] Sample
Name Top Datum
Driller Log Enclosed

CASING RECORD [X] New [ ] Used
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives
KCC OCT 13 2005 CONFIDENTIAL

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
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TUBING RECORD
Date of First, Resumerd Production, SWD or Enhr. Producing Method [ ] Flowing [ ] Pumping [ ] Gas Lift [X] Other (explain) waiting on pipeline
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval
[ ] Vented [ ] Sold [ ] Used on Lease (If vented, Submit ACO-18.)
[ ] Open Hole [ ] Perf. [ ] Dually Comp. [ ] Commingled
[ ] Other (Specify)

# Charoked 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

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Rig #:	CW		S 35 T 28 R 14E				
API #:	15-205-26013-00-00		Location E2, SE4, NW4				
Operator:	Blue Jay Operating LLC		County: Wilson				
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	Fort Worth, TX 76107		<b>Gas Tests</b>				
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Casing Size	8 5/8"						
Weight	26#						
Setting Depth	41'						
Cement Type	Portland						
Sacks	8 W						
Feet of Casing	41'						
Rig Time	Work Performed						

**RECEIVED**  
**OCT 24 2005**  
**KCC WICHITA**

## Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	6	Overburden	547	558	lime	830	832	lime
6	119	shale	558	626	shale	832	852	shale
119	156	lime	626	639	lime	852	853	coal
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478	493	lime	793	810	Oswego lime	982	988	sand/ shale
493	502	shale	810	819	summit	988	989	coal
502	531	lime- Oil	819	825	lime	989	1033	sand/ shale
531	547	shale	825	830	mulky	1033	1034	coal



**Blue Jay Oper**  
**WELL ENGINEERING DRILLING REPORT**

DATE: 6-30-05  
 RIG: Cherokee Wells  
 SLPV: \_\_\_\_\_  
 RPT TIME: 8:00 AM

WELL NAME: Bateg A1

POOL: \_\_\_\_\_ SEC. 35 TW 28 RANGE \_\_\_\_\_  
 PROJECT # \_\_\_\_\_ API# \_\_\_\_\_ County: Wichita State: Ks  
 AFE Cost \_\_\_\_\_ Dry Hole Cost = \_\_\_\_\_ Csg Hole Cost = \_\_\_\_\_

DEPTH \_\_\_\_\_ DAYS 1 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:
									<u>2:30 PM</u>	<u>6-28-05</u>
									KB Elev.:	
									G.L. Elev.	<u>871'</u>

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

Last Csg. Size:	Set @:	ft.	Burst:	COSTS				
Next Csg. Size:	Set @:	ft.		Code	Items	Previous	Daily	Cum.
<u>8 3/8</u>	<u>NO</u>				Location/Roads	<u>1000</u>		<u>1000</u>
<u>4 1/2</u>	<u>1195</u>				Rig-Footage	<u>9169</u>		<u>9169</u>
					Rig-Daywork			
					Water			
					Frac Tanks			
					Mud & Chem.			
					Rental Tools			
					Cement & Ser.	<u>80</u>	<u>3913</u>	<u>3993</u>
					Open Hole Log		<u>1600</u>	<u>1600</u>
					Trucking			
					Contract Sup.	<u>700</u>	<u>700</u>	<u>1400</u>
					Casing Crew		<u>1000</u>	<u>1000</u>
					Miscellaneous			
					Casing Prod		<u>7937</u>	<u>7937</u>
					Surf Casing	<u>1660</u>		<u>1660</u>
					Cement Equip.		<u>200</u>	<u>200</u>
					Wellhead		<u>100</u>	<u>100</u>
					B.O.P.			
					Prev.	<u>11,608</u>		
					Day Total		<u>15,450</u>	
					Cum.:			<u>27,058</u>

HRS	Comments
<u>7:00</u>	<u>TOH</u>
<u>7:15</u>	<u>RD MO</u>
<u>10:00</u>	<u>MIRU Superior Wire Line</u>
<u>10:15</u>	<u>log well</u>
	<u>MIRU Co/Vog. Well Ser. Run 30 ft</u>
	<u>of 1/2 10.5" casing, land at 1195</u>
	<u>MIRU CTS to CMT well. Break</u>
	<u>circulation w/ gel flush. Mix &amp;</u>
	<u>dump 135 sks thick set CMT.</u>
	<u>12 1/2" 4 RPM. Dump plug at 1050'</u>
	<u>OK deal. OK circulation 19 1/2 hrs to</u>
	<u>surface. RD MO</u>

RECEIVED

OCT 24 2005

KCC WICHITA

rubber plug  
wiper plug  
shoe

CONSOLIDATED OIL WELL SERVICES, INC.  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 5467  
 LOCATION Fureka  
 FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-30-05		Bates A1	35	28s	14E	Wilson
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Blue Jay Operating			446	Scott		
MAILING ADDRESS			442	Anthony		
4916 Camp Bowie Blvd. Ste 204			452-763	Jim		
CITY	STATE	ZIP CODE				
Fortworth	Tx.	76107				

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1206' CASING SIZE & WEIGHT 4 1/2" - 10.5lb  
 CASING DEPTH 1195' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4 SLURRY VOL 40 Bbls. WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 19 Bbls. DISPLACEMENT PSI 600 ~~PSI~~ 1050 Landed Plug RATE 4BPM - 2BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with 25 Bbls. water,  
Pumped 10 Bbl. Gel Flush, Pumped 10 Bbl. Dye water, Mixed 135 sks. Thick Set cement w/ 5 # P/SK of KOI-SEAL  
13 1/16 P/SK. Shutdown - wash out pump shoes - Release Plug - Displace Plug with 19 Bbls water.  
Final pumping at 600 PSI - Bumped Plug to 1050 PSI - wait 2 min - Release Pressure  
Float Held - close casing in with O.P.S.I.  
Good cement returns to surface with 9 Bbl. slurry  
Job complete - Teardown

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	765.00	765.00
5406	60	MILEAGE	2.50	150.00
1126 A	135 SKS.	Thick Set cement	13.00	1755.00
1110 A	13 SKS.	KOI-SEAL 5# P/SK	16.90	219.70
1118 A	4 SKS.	Gel - Flush Ahead	6.63	26.52
5407	7.42 Ton	mileage - Bulk Truck	m/l	240.00
5501C	4 Hrs.	water Transport	88.00	352.00
1123	6000 GAL.	City water	12.20 %	73.20
4156	1	4 1/2" Float shoe > Flipper type	123.00	123.00
4129	1	4 1/2" Centralizer	28.00	28.00
4404	1	4 1/2" Top Rubber Plug	38.00	38.00
			6.3%	
			SALES TAX	142.60
			ESTIMATED TOTAL	3913.02

AUTHORIZATION Bob McNew TITLE \_\_\_\_\_ DATE \_\_\_\_\_