

**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, 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     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. \_\_\_\_\_

<u>4/8/05</u>	<u>4/12/05</u>	<u>6/27/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-25870-0000  
County: Wilson  
SW NE SW NW Sec. 11 Twp. 30 S. R. 14  East  West  
1900' feet from S (N) (circle one) Line of Section  
690' feet from E (W) (circle one) Line of Section

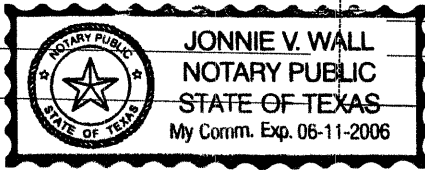
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Thiessen Well #: A-4  
Field Name: Cherokee Basin Coal Gas  
Producing Formation: See Perfs  
Elevation: Ground: 893' Kelly Bushing: NA  
Total Depth: 1302' Plug Back Total Depth: \_\_\_\_\_  
Amount of 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/ 150 sx cmt.  
ALTI WITHM 9-25-06

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content NA ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Pump  
Location of fluid disposal if hauled offsite:  
Operator Name: Rick's Tank Truck Service  
Lease Name: Sheet's Lease A-1 License No.: 17648-0  
Quarter NE4 Sec. 11 Twp. 28N S. R. 13E  East  West  
County: Washington, OK Docket No.: 826163

**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: 10-19-05  
Subscribed and sworn to before me this 11th day of October, 2005.  
Notary Public: Jonnie Wall  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: 10-26-2005  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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15-205-25870-00-00  
Side Two

ORIGINAL

Operator Name: Blue Jay Operating, LLC Lease Name: Thiessen Well #: A-4  
 Sec. 11 Twp. 30 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	<b>Driller Log Enclosed</b>	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
List All E. Logs Run:	High Resolution Compensated Density/Neutron Log Bond Log		

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	40'	Portland	8	
Long String	6.75"	4 1/2"	10.5	1291'	60/40 PozMix Ce,emt	150	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	Mulky - 896'-900'	Frac - Mulky 12000# 16/30 sand	
4	Bevier - 946'-949'; Crowburg 965'-967'	Foam Frac: Bevier/Crowburg 12000# 16/30 sand	
4	Flemming - 1002'-1004'	Foam Frac: 4000# 16/30 sand	
2	1210'-1220'; 1227'-1234'	Spot 500gal HCL Acid/w inhibitor	

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. <b>7/18/05</b>			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  Soid  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval  Other (Specify) \_\_\_\_\_

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# Cherokee 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

Rig #:	CW
API #:	15-205-25870-00-00
Operator:	Blue Jay Operating LLC

S 11	T 30	R 14
Location SW, NE, SW, NW		
County: Wilson		

4916 Camp Bowie Suite 204	
Fort Worth, TX 76107	

Well #:	A-4	Lease Name:	Thiessen
Location:	1900 ft. from (N / S) Line		
	690 ft. from (E / W) Line		

Gas Tests			
Depth	Pounds	Orifice	flow - MCF
802	2#	1/2"	47.7
902	10#	3/4"	259
1002	4#	1"	283
1222	Gas Check Same		

Spud Date:	4/8/2005
Date Completed:	4/12/2005 TD: 1302
Geologist:	

Casing Record	Surface	Production
Hole Size	11"	6 3/4"
Casing Size	8 5/8"	
Weight	26#	
Setting Depth	40'	
Cement Type	Portland	
Sacks	8 W	
Feet of Casing	40' C	

Rig Time	Work Performed

## Well Log

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	9	soil/clay	361	367	lime	763	792	sand/shale
9	35	lime	367	402	shale	792	794	coal
35	54	shale	402	472	lime	794	799	shale
54	98	lime	472	512	shale	799	818	Pink lime
98	240	shale	512	536	lime	799	818	oil on top
240	242	lime	536	552	shale	818	822	shale
242	248	shale	552	576	lime	822	850	sand/shale
248	249	coal	576	592	shale	850	875	Oswego lime
249	256	sand	592	604	lime	875	881	Summit coal
256	263	sand	604	618	shale	881	893	lime
256	263	oil	618	651	lime	893	898	Mulky coal
263	284	sand	651	658	shale	898	901	lime
284	297	sand/shale	658	678	lime	901	905	shale
297	317	sand	678	712	sand/shale	905	944	sand
317	327	lime	712	763	sand	944	945	coal
327	361	shale	712	763	odor	945	999	sand/shale

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ORIGINAL

IS-205-25870-00-00

Operator: Blue Jay Operating LLC      Lease Name: Thiessen      Well # A-4      page 2

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
999	1000	coal						
1000	1014	sand/shale						
1014	1029	sand						
1014	1029	oil						
1029	1054	sand						
1054	1078	sand/shale						
1078	1141	sand						
1078	1141	oil						
1141	1174	sand						
1174	1204	sand/shale						
1204	1206	coal						
1206	1213	shale						
1213	1302	Mississippi lime						
1302		Total Depth						

Notes:

05LD-041205-CW-013-Thiessen A-4 Blue Jay Operating

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

TICKET NUMBER 3644  
 LOCATION Eureka  
 FOREMAN Russell McLoey

15-205-25870-00-00  
**TREATMENT REPORT & FIELD TICKET**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-13-05		Thiessen # A-4	11	30	14	Wilson
CUSTOMER Blue Jay Operating			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 4916 Camp Bowie Blvd Ste 204			444 Alvin			
CITY STATE ZIP CODE Fortworth Tx 76107			439 Justin			
			452 Jim			

JOB TYPE Long String HOLE SIZE 6 3/4 HOLE DEPTH 1300' CASING SIZE & WEIGHT 4 1/2 10.5 #  
 CASING DEPTH 1291 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk 8.0 CEMENT LEFT in CASING 0  
 DISPLACEMENT 20 1/2 DISPLACEMENT PSI 750 ~~PSI~~ PSI Pump Plug 1400# RATE \_\_\_\_\_

REMARKS: Safety meeting, Rig up to 4 1/2 casing, Break circulation w/ 25 Bbl water, mix 200# gel, Pump 20 Bbl water, Pump 10 Bbl Dye mix 150 SK's Thickset cement at 13.2# shut down, wash out Pump + lines Release 4 1/2 Plug. Displace w/ 20.5 Bbl water at 3BPM Final Pump PSI was 800# Pump Plug to 1400# Good cement Returns to surface. = B Bbl slurry. Check float, float held. Job complete, Train down.

Thank you  
 Russell McLoey

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	750.00	750.00
5406	60	MILEAGE	2.45	147.00
1126A	150 SK's	THICKSET cement	12.70	1905.00
1110 A	15 SK's	KOLSPAL 5# Per/SK	16.55	248.25
1118	2 SK's	Gel FLUSH	13.00	26.00
5407		Tow mileage Bulk Truck	m/c	235.00
4156	1	4 1/2 FLOAT shoe FLAPPY TIRE	121.00	121.00
4129	1	4 1/2 CENTRALIZER	27.00	27.00
4404	1	4 1/2 TOP RUBBER	37.00	37.00
550/C	3	hr TRANSPORT	86.00	258.00
1123	5000	gallons city water	12.10	60.50
			Sub Total	3814.75
			6.3% SALES TAX	152.74

AUTHORIZATION Bob 1775 New

TITLE \_\_\_\_\_

ESTIMATED TOTAL **RECEIVED**  
 DATE OCT 17 2005

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**CONSOLIDATED OIL WELL SERVICES, INC.**

211 W. 14TH STREET, CHANUTE, KS 66720

620-431-9210 OR 800-467-8676

TICKET NUMBER 3937

LOCATION Eureka

FOREMAN Russell McLoey

**TREATMENT REPORT & FIELD TICKET  
CEMENT**

**ORIGINAL**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-17-05		Thiessen A-4				Wilson
CUSTOMER Blue Jay Operating			TRUCK #			
MAILING ADDRESS 4916 Camp Bowie Blvd, 204 STE			DRIVER			
CITY Forth worth			TRUCK #			
STATE TX			DRIVER			
ZIP CODE 76107						

JOB TYPE Acid Job HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 4 1/2 10.5 new  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting. Fig. up to 4 1/2 casing, SPOT 500 gallons Acid  
over parts at (1210-20 1227-34 2 Per FT) w/ 6 Bbl 2% KCL water  
Stage Acid, Break Down at 850' Flush Acid w/ 13 Bbl 2% KCL  
water at 300' 1.5 BPM = 1 Bbl over casing. Uo. ISDP was 150'  
10 min test well on slow vac. Job complete, Trnc Down

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5303	1	PUMP CHARGE	665.00	665.00
5306	40	MILEAGE	2.50	100.00
3107	500 gallons	15% Acid (H.C.L.) w/ inhibitor	1.15	575.00
1234	1	gallon Surfactant	30.45	30.45
1214	2 1/2	gallon's Iron control	33.00	82.50
1219	2 1/2	gallon's Non Emulsifier Agent	27.75	69.37
5502A	3 hr	80. Bbl VAC Trucks	82.00	246.00
1123	1,000	gallon's city H2O	12.25	12.25
1215	1	gallon KCL Sub mix w/ H2O	23.55	23.55
Sub Total				1804.12
			SALES TAX	
			ESTIMATED	
			TOTAL	

AUTHORIZATION Bob McNew

TITLE \_\_\_\_\_

DATE \_\_\_\_\_ RECEIVED

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12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 867-2768 · FAX (970) 867-5822

ORIGINAL

**BLUE JAY OPERATING - FORT WORTH, TEXAS**

**Coal Seam Frac Project**

June 2, 2005

15-205-25870-00-00

**Blue Jay - Thiessen A#4 - Stage #3**

Mulky (896'-900', 4 spf), 16 shots total.

Started pump in, formation did not break down. Shut down to dump bail 10 gals 15% HCl. Continued with 294 gals gelled water, followed with 500 gals of 7.5% HCl. Followed with 592 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 6000 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 596 gal gelled water. A total of 117,000 SCF of N<sub>2</sub> was used.

Started pump in, formation broke down at 3451 psi. Started acid @ 4 bpm, STP-1664, BH-1833. Started Flush, STP-1169, BH-1425. Formation broke down at 1478 psi. Started Pad, STP-727, BH-1063. Initial FQ was 58. Sand stages are as follows: Start 1#, STP-1128, BH-1182, FQ-72. Start 2#, STP-1149, BH-1229, FQ-71. Start 3#, STP-1178, BH-1276, FQ-71. Start Flush, STP-1207, BH-1314, FQ-70. Pad through sand stages were pumped @ 15-20 BPM downhole. FQ averaged 71Q. Max pressure was 3451. Average rate was 19 bpm at 1149 psi surface (1242 psi bottomhole). ISIP was 736 psi; 5 min - 593 psi, 10 min - 556 psi, 15 min - 531 psi.

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**MAYERICK**  
**STIMULATION COMPANY, LLC**

12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 887-2768 · FAX (970) 887-5822

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

June 2, 2005

15-205-25870-00-00

**Blue Jay - Thfessen A#4 - Stage #2**

Bevier (946'-949', 4 spf), Crowburg (965'-967', 4 spf), 20 shots total.

Started pump in with 84 gals gelled water, followed with 500 gals of 7.5% HCl. Followed with 609 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 4500 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 630 gal gelled water, then overflushed by 63 gal. A total of 115,000 SCF of N<sub>2</sub> was used.

Started Pump In, formation broke down at 3828 psi. Started acid @ 2 bpm, STP-3277, BH-3366. Started Flush, STP-3234, BH-3327. Formation broke down at 3440 psi. Started Pad, STP-1098, BH-1518. Initial FQ was 50. Sand stages are as follows: Start 1#, STP-1258, BH-1320, FQ-72. Start 2#, STP-1258, BH-1349, FQ-72. Start 3#, STP-1299, BH-1410, FQ-72. Start Flush, STP-1292, BH-1481, FQ-71. Pad through sand stages were pumped @ 15-22 BPM downhole. FQ averaged 72Q. Max pressure was 3828. Average rate was 20 bpm at 1287 psi surface (1398 psi bottomhole). ISIP was 663 psi; 5 min - 552 psi, 10 min - 523 psi, 15 min - 509 psi.

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

15-205-25870-00-00

June 2, 2005

**Blue Jay - Thiessen A#4 - Stage #1**

Flemming (1002'-1004', 4 spf), 8 shots total.

Started with 500 gals of 7.5% HCl. Followed with 659 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 1875 gals of MavFoam C70 carrying 4000 lbs 16/30 Arizona Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 672 gal gelled water, then overflushed by 63 gal. A total of 98,000 SCF of N<sub>2</sub> was used.

Started acid @ 6 bpm, STP-196, BH-223. Started Flush, STP-385, BH-421. Formation broke down at 2542 psi. Started Pad, STP-997, BH-1248. Initial FQ was 53. Sand stages are as follows: Start 1#, STP-1436, BH-1524, FQ-72. Start 2#, STP-1440, BH-1558, FQ-70. Start 3#, STP-1476, BH-1623, FQ-70. Start Flush, STP-1584, BH-1813, FQ-71. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 70Q. Max pressure was 2542. Average rate was 18 bpm at 1488 psi surface (1568 psi bottomhole). ISIP was 764 psi; 5 min - 671 psi, 10 min - 649 psi, 15 min - 635 psi.

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