

**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     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. \_\_\_\_\_

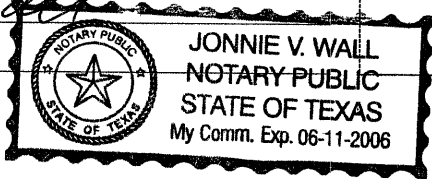
<u>3/30/05</u>	<u>4/1/05</u>	<u>6/7/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-25941-0000  
County: Wilson  
SW4 SW4 ~~SX~~ Sec. 2 Twp. 30 S. R. 14  East  West  
660' feet from S / N (circle one) Line of Section  
660' 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-2  
Field Name: Cherokee Basin Coal Gas  
Producing Formation: See Perfs  
Elevation: Ground: 893' Kelly Bushing: NA  
Total Depth: 1322' 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.  
ALT II WITHIN 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: [Handwritten Signature]  
Title: \_\_\_\_\_ Date: 10-24-2005  
Subscribed and sworn to before me this 17th day of October  
20 05.  
Notary Public: [Handwritten Signature]  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: 10-24-2005  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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Operator Name: Blue Jay Operating, LLC Lease Name: Thiessen Well #: A-2  
 Sec. 2 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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

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

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	1313'	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 (Amount and Kind of Material Used)	Depth
4	Mulky - 897'-901'	Frac - Mulky 12000# 16/30 sand	
4	Bevier - 946'-949'; Crowburg 963'-965'	Foam Frac: Bevier/Crowburg 14000# 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.	Producing Method				
6/14/05	<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  
 Production Interval  Other (Specify)

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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

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

Rig #:	CW			S 2	T 30	R 14		
API #:	15-205-25941			Location SW, SW				
Operator:	Blue Jay Operating LLC			County: Wilson				
	4916 Camp Bowie Suite 204							
	Fort Worth, TX 76107							
Well #:	A-2	Lease Name: Thiessan		<b>Gas Tests</b>				
Location:	660 ft. from (N / S) Line			Depth	Pounds	Orifice	flow - MCF	
	660 ft. from (E / W) Line			800	1.5#	1/8"	3.39	
Spud Date:	3/30/2005			952	3#	3/8"	33.5	
Date Completed:	4/1/2005	TD: 1322		1027	4#	3/8"	39	
Geologist:				1222	6#	3/8"	48.8	
				Gas Check Same				
<b>Casing Record</b>	<b>Surface</b>	<b>Production</b>						
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							
<b>Well Log</b>								
Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
0	5	lime	507	514	shale	885	891	lime
5	12	shale	514	539	lime	891	900	Mulky coal
12	36	lime	539	553	shale	900	902	lime
36	40	shale	553	579	lime	902	944	shale
40	43	lime	579	641	shale	944	946	coal
43	51	shale	641	676	lime	946	963	shale
51	82	lime	676	736	shale	963	964	coal
82	238	shale	736	748	sand	964	1012	shale
238	244	lime	736	748	oil	1012	1015	coal
244	249	shale	748	778	sand/shale	1015	1081	sand/shale
249	250	coal	778	779	coal	1081	1105	sand
250	311	sand	779	791	shale	1081	1105	oil
311	373	sand/shale	791	815	Pink lime	1105	1111	sand/shale
373	470	lime	815	853	shale	1111	1129	sand
470	474	shale	853	875	Oswego lime	1111	1129	oil
474	507	sand	875	885	Summit coal	1129	1146	sand/shale

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

Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
1146	1171	sand						
1146	1171	oil						
1171	1172	coal						
1172	1209	sand/shale						
1209	1210	coal						
1210	1213	shale						
1213	1322	Mississippi lime						
1322		Total Depth						

Notes:

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05LD-040105-CW-011-Thiessan A-2 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 3574  
LOCATION Eureka  
FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-1-05		Thiessen #A2	2	30N	14E	Wilson
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Blue Jay Operations			446	Rick		
MAILING ADDRESS			442	Scott		
4916 Camp Bowie Blvd. Ste. 204						
CITY	STATE	ZIP CODE				
Fort worth	Tx.	76107				

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 1322' CASING SIZE & WEIGHT 4 1/2" - 10.5lb  
 CASING DEPTH 1313' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13 3/4 bbl SLURRY VOL 45 Bbls. WATER gal/sk 8.0 CEMENT LEFT in CASING 0'  
 DISPLACEMENT 20 3/4 Bbls. DISPLACEMENT PSI 2400 ~~PSI~~ Landed Plug RATE 4 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing, Break circulation with 30 Bbls water, Pumped 10 Bbl Gel Flush  
Followed with 20 Bbls water Spurr, Pumped 10 Bbl. Dyewater, Mixed 150 sks Thick Set cement w/ 5# PVSK of  
KOI-SEAL at 13 3/4 PVGA, Shut down - washout pump drives - Release plug,  
Displace Plug with 17 Bbls water with 2400 PSI, when Cement Head Split Open  
we ran 7 Bbls. cement slurry to surface

Left Approx 120 cement in casing

"Thank you"

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
1126 A	150 SKS.	Thick Set cement	12.70	1905.00
1110 A	15 SKS.	KOI-SEAL 5# PVSK	16.55	248.25
1118	2 SKS.	Gel Flush	13.00	26.00
5407	Ton	mitage - Bulk Truck	m/c	235.00
4156	1	4 1/2" Float shoe - Flapper Type	121.00	121.00
4129	1	4 1/2" Centralizer	27.00	27.00
4404	1	4 1/2" Top Rubber Plug	37.00	37.00
		6.32	SALES TAX	148.95
			ESTIMATED TOTAL	3645.20

AUTHORIZATION

Bob McNeel

TITLE

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DATE



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

12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 887-2788 · FAX (970) 887-5922

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

May 18, 2005

**Blue Jay – Thiessen A-2 – Stage C**

Mulky (897'-901', 4 spf), 16 shots total.

Started with 336 gals gelled water and 500 gals of 7.5% HCl. Followed with 706 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 601 gal gelled water. A total of 120,000 SCF of N<sub>2</sub> was used.

Dump bailed 10 gals 15% HCl after perforating. Started Pump In, STP-23, BH-58, formation did not break down. Shut down and dump bailed an additional 10 gals 15% HCl. Resumed pump in, formation broke down at 1437 psi. Started acid @ 2.5 bpm, STP-1415, BH-1640. Started Flush, STP-1360, BH-1587. Started Pad, STP-1021, BH-1293. Initial FQ was 58. Sand stages are as follows: Start 1#, STP-1180, BH-1249, FQ-71. Start 2#, STP-1195, BH-1296, FQ-72. Start 3#, STP-1192, BH-1313, FQ-72. Start Flush, STP-1195, BH-1330, FQ-71. Pad through sand stages were pumped @ 15-20 BPM downhole. FQ averaged 71Q. Max pressure was 1437. Average rate was 19 bpm at 1194 psi surface (1305 psi bottomhole). ISIP was 761 psi (FG =1.279); 5 min – 648 psi, 10 min – 622 psi, 15 min - 609 psi.

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

May 18, 2005

**Blue Jay - Thiessen A-2 - Stage B**

Bevier (946'-949', 4 spf), Crowburg (963'-965', 4 spf), 20 shots total.

Started with 231 gals gelled water and 500 gals of 7.5% HCl. Followed with 781 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 6750 gals of MavFoam C70 carrying 14000 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 with 42 gal. A total of 133,000 SCF of N<sub>2</sub> was used.

Started Pump In, STP-22, BH-47, formation broke down at 2748 psi. Started acid @ 3 bpm, STP-1959, BH-2152. Started Flush, STP-1692, BH-1899. Started Pad, STP-1277, BH-1517. Initial FQ was 60. Sand stages are as follows: Start 1#, STP-1217, BH-1285, FQ-72. Start 2#, STP-1269, BH-1374, FQ-71. Start 3#, STP-1368, BH-1475, FQ-71. Start Flush, STP-1333, BH-1457, FQ-72. Pad through sand stages were pumped @ 15-22 BPM downhole. FQ averaged 71Q. Max pressure was 2748. Average rate was 20 bpm at 1288 psi surface (1366 psi bottomhole). ISIP was 702 psi (FG = 1.168); 5 min - 620 psi, 10 min - 602 psi, 15 min - 592 psi.

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