

**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>3/3/05</u>	<u>3/7/05</u>	<u>4/7/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 205-25923-0000  
County: Wilson  
SW\_NW\_NE\_NE Sec. 11 Twp. 30 S. R. 14  East  West  
500' feet from S /  N (circle one) Line of Section  
1290' feet from  E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE     SE     NW     SW  
Lease Name: Tharp Well #: A-2

Field Name: Cherokee Basin Coal Gas  
Producing Formation: See Perfs

Elevation: Ground: 930' Kelly Bushing: NA  
Total Depth: 1327' Plug Back Total Depth: 1180'

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/ 140 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

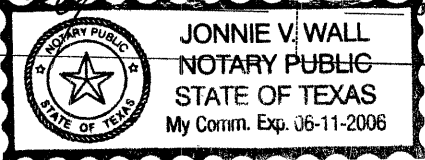
Quarter NE4 Sec. 11 Twp. 28N S. R. 13E  East  West

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: \_\_\_\_\_  
Title: \_\_\_\_\_ Date: 7-14-05  
Subscribed and sworn to before me this 14th day of July, 2005.  
Notary Public: Jonnie Wall  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

DENY Letter of Confidentiality Received  
If Denied, Yes  Date: 10-26-2005  
YES Wireline Log Received  
NO Geologist Report Received  
DIC Distribution

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15-205-25923-00-00

Side Two

ORIGINAL

Operator Name: Blue Jay Operating, LLC Lease Name: Tharp Well #: A-2  
 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  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  
 Bond Log

Log Formation (Top), Depth and Datum  Sample

Name Top Datum  
 Driller 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	12.25"	8 5/8"	26	40'	Portland	8	
Long String	6.75"	4 1/2"	10.5	1317'	Thickset Cement	140	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 - 931'-936'	Frac - Mulky 15000# 16/30 sand	
4	Bevier - 977'-980'; Crowburg 998'-1000'	Foam Frac: Bevier/Crowburg 10000# 16/30 sand	
4	Flemming - 1038'-1041; Mineral 1054'-1056"	Foam Frac - Flemming/Mineral 10000# 16/30 sand	
4	Riverton - 1207'-1212' amd 1200'-1204'	Foam Frac: Riverton 1239# 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. 4/14/05  
 Producing Method  Flowing  Pumping  Gas Lift  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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ORIGINAL

# 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			S 11	T 30	R 14	
API #:	15-205-25923 --00-00			Location NW, NE, NE			
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: Tharp		Depth	Oz.	Orifice	flow - MCF
Location:	500	ft. from (N / S)	Line	827	2"	1/4"	2.37
	1290	ft. from (E / W)	Line	942	5"	1/4"	3.71
Spud Date:	3/3/2005			982	Gas Check Same		
Date Completed:	3/7/2005 TD: 1327			1002	Gas Check Same		
Geologist:					Pounds		
Casing Record	Surface	Production		1052	3#	1/4"	15.7
Hole Size	11"	6 3/4"		1102	4#	1/4"	18.5
Casing Size	8 5/8"			1227	Gas Check Same		
Weight	26#			1247	Gas Check Same		
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	8	Overburden	327	338	shale	738	756	shale
8	48	lime	338	345	lime	756	796	sand
48	70	shale	345	399	shale	796	815	shale
70	76	lime	399	493	lime	815	816	coal
76	79	shale	493	496	shale	816	824	shale
79	112	lime	496	499	lime	824	848	Pink lime
112	134	shale	499	516	sand	848	855	shale
134	146	lime	499	516	wet	855	887	sand/shale
146	257	shale	516	533	sand/shale	887	909	Oswego lime
257	261	lime	533	555	lime	909	918	Summit coal
261	265	shale	555	579	shale	918	929	lime
265	266	coal	579	612	lime	929	939	Mulky coal
266	269	shale	612	663	shale	939	943	lime
269	311	sand	663	676	lime	943	970	shale
269	311	wet	676	691	shale	970	971	coal
311	327	lime	691	738	lime	971	994	shale

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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 **2845**  
 LOCATION Wichita  
 FOREMAN Brad Butler

15-205-25923-0000

TREATMENT REPORT & FIELD TICKET  
 CEMENT

ORIGINAL

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-8-05		Thorp # A-2	11	30N	14E	Wilson
CUSTOMER Blue Jay Operating			Go-Joe Field Serv.			
MAILING ADDRESS 4916 Camp Bowie Blvd. STE 204			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Fort Worth			446	Rick		
STATE TX			440	Anthony		
ZIP CODE 76107			437	Scott		
			434			

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 1327 CASING SIZE & WEIGHT 4 1/2" 105  
 CASING DEPTH 1317 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 lb. SLURRY VOL 42 Bbl. WATER gal/sk 8.0 CEMENT LEFT IN CASING 0  
 DISPLACEMENT 21 Bbl DISPLACEMENT PSI 750 PSI 1200 Landed Plug RATE 4 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Pumped 10 Bbl. water Ahead, 15 Bbl. Gel Flush, Pumped 30 Bbl. water Spacer, 10 Bbl. Dye water.  
Mixed 140 SKs. Thick Set cement w/ 5 lb. P/BK of KOL-SEAL at 13.2 lb. P/BK. (yield w/ 1.69)  
Shutdown - washout pump lines - Release Plug - Displace Plug with 21 Bbls. water  
Final pumping at 750 PSI - Pumped Plug to 1200 PSI, wait 2 min.  
Release Pressure - Float Hold - close casing w/ 0 PSI  
Good cement returns To Surface with 6 Bbl. Slurry  
Job complete; Teardown

"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	140 SKs.	Thick Set cement	12.70	1778.00
1110 A	14 SKs.	KOL-SEAL 5 lb. P/BK	16.55	231.70
1118	3 SKs.	Gel - Flush Ahead	13.00	39.00
5407	—	Ton mileage - Bulk Truck	m/c	235.00
5502 C	4 Hrs.	80 Bbl. VAC Truck	80.00	320.00
5502 C	3 Hrs.	80 Bbl. VAC Truck	80.00	240.00
1123	7500 GAL.	City water	12.10 P/BK	90.75
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
			6.3%	SALES TAX
				ESTIMATED TOTAL
				146.44
				4162.89

AUTHORIZATION

Bob / M / New

TITLE

DATE

DATE

OCT 17 2005

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12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 867-2768 · FAX (970) 867-5922

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

March 30, 2005

15-205-25923-00-00

**Blue Jay - Tharp A#2 - Stage D**

Mulky (931'-936', 4 spf), 20 shots total.

Started with 1050 gals gelled water and 500 gals of 7.5% HCl. Followed with 378 gals gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 7500 gals of MavFoam C70 carrying 15000 lbs 16/30 Brady Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 622 gal gelled water. A total of 132,000 SCF of N<sub>2</sub> was used.

Started pump in, formation broke down at 3334 psi. Started acid @ 3 bpm, STP-3347, BH-3712. Started Flush, STP-2959, BH-3151. Started Pad, STP-834, BH-1163. Initial FQ was 56. Sand stages are as follows: Start 1#, STP-1238, BH-1319, FQ-70. Start 2#, STP-1260, BH-1363, FQ-72. Start 3#, STP-1308, BH-1440, FQ-71. Start Flush, STP-1315, BH-1444, FQ-72. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 71Q. Max pressure was 4000. Average rate was 18 bpm at 1272 psi surface (1374 psi bottomhole). ISIP was 767 psi; 5 min - 569 psi, 10 min - 510 psi, 15 min - 745 psi.

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

12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 887-2766 · FAX (970) 887-6922

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

March 30, 2005

15-205-25923-00.02

**Blue Jay - Tharp A#2 - Stage C**

Bevier (977'-980', 4 spf), Crowburg (998'-1000', 4 spf), 20 shots total.

Started with 250 gals gelled water and 500 gals of 7.5% HCl. Followed with 210 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 4500 gals of MavFoam C70 carrying 10000 lbs 16/30 Brady Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 651 gal gelled water, then overflushed with 42 gal. A total of 105,000 SCF of N<sub>2</sub> was used.

Started pump in, formation broke down at 3205 psi. Started acid @ 3.5 bpm, STP-2387, BH-2576. Started Flush, STP-1845, BH-2056. Started Pad, STP-974, BH-1395. Initial FQ was 60. Sand stages are as follows: Start 1#, STP-1264, BH-1355, FQ-71. Start 2#, STP-1258, BH-1369, FQ-70. Start 3#, STP-1281, BH-1416, FQ-71. Start Flush, STP-1272, BH-1413, FQ-71. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 71Q. Max pressure was 3205. Average rate was 18 bpm at 1261 psi surface (1391 psi bottomhole). ISIP was 717 psi; 5 min - 546 psi, 10 min - 509 psi, 15 min - 479 psi.

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

March 30, 2005

15-205-25923-00-20

**Blue Jay - Tharp A#2 - Stage B**

Flemming (1038'-1041', 4 spf), Mineral (1054'-1056', 4 spf), 20 shots total.

Started with 500 gals of 7.5% HCl. Followed with 294 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 4500 gals of MavFoam C70 carrying 10000 lbs 16/30 Brady Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 693 gal gelled water, then overflushed with 42 gal. A total of 110,000 SCF of N<sub>2</sub> was used.

Started acid @ 8 bpm, STP-0, BH-41. Started Flush, STP-0, BH-108. Formation broke down at 1857 psi. Started Pad, STP-1067, BH-1281. Initial FQ was 58. Sand stages are as follows: Start 1#, STP-1107, BH-1196, FQ-71. Start 2#, STP-1098, BH-1213, FQ-72. Start 3#, STP-1136, BH-1275, FQ-71. Start Flush, STP-1141, BH-1295, FQ-71. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 71Q. Max pressure was 1857. Average rate was 17.5 bpm at 1103 psi surface (1245 psi bottomhole). ISIP was 701 psi; 5 min - 494 psi, 10 min - 438 psi, 15 min - 399 psi.

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

March 22, 2005

IS-205-25923-00-00

Blue Jay - Tharp A#2

Riverton (1207'-1212', 4 spf and 1200'-1204', 4 spf), 36 shots total.

Started with 500 gals of 15% HCl. Followed with pad of 10000 gals of 10# linear gel. Started treatment with 4478 gals of 10# linear gel carrying 1739 lbs 16/30 Brady Sand at 0.25 to 0.5 ppg down hole. The treatment was flushed with 630 gal 10# linear gel.

Started Acid, STP-22, BH-41. Started Pad, STP-1399, BH-1604. Start 0.25#, STP-1927, BH-2410. Start 0.5#, STP-1971, BH-2456. During 0.5# stage, pressure increased to 2766 psi. Went to Flush. Start Flush, STP-2568, BH-3061. Pad through sand stages were pumped @ 8-12 BPM downhole. Max pressure was 4000 psi. Average rate was 10 bpm at 1938 psi surface (2420 psi bottomhole). ISIP was 4000 psi.

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