### 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** 

Transa IIIO IOIII DAOOIII	ORIGINAL 205-26035-0000
Operator: License # 33342	API No. 15 - 205-26035-0000
Name: Blue Jay Operating, LLC	County: Wilson
Address: 4916 Camp Bowie Blvd., Suite 204	N2 - NE4 - NW4 - Sec. 11 Twp. 20: S. R. 14 ✓ East West
City/State/Zip: Fort Worth, TX 76107	330' feet from S (N) circle one) Line of Section
Purchaser: Cherokee Basin Pipeline LLC	1915 1910 feet from E (W) (circle one) Line of Section
Operator Contact Person: Jens Hansen	Footages Calculated from Nearest Outside Section Corner:
Phone: ( <u>817</u> ) <u>546-0034</u>	(circle one) NE SE (NW) SW
Contractor: Name: Cherokee Wells, LLC	Lease Name: Thiessen Well #: A-3
License: 33539	Field Name: Cherokee Basin Coal Gas
Wellsite Geologist: NA	Producing Formation: See Perforating Record
Designate Type of Completion:	Elevation: Ground: 907' Kelly Bushing: NA
New Weil Re-Entry Workover	Total Depth: 1324' Plug Back Total Depth:
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 40' Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well info as follows:	If Alternate II completion, cement circulated from bottom casing
Operator:	feet depth to surface sx cmt.
Well Name:	Aut II with 9-25-06
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	Chloride content NA ppm Fluid volume bbls
Plug BackPlug Back Total Depth	Dewatering method used Pump
Commingled Docket No	
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name: Rick's Tank Truck Service
4/22/05 4-26-65 6/8/05	Lease Name: Sheet's Lease A-1 License No.: 17648-00
Spud Date or Date Reached TD Completion Date or	Quarter NE4 Sec. 11 Twp. 28N S. R. 13E  East West
Recompletion Date Recompletion Date	County: Washington,OK Docket No.: 826163
INSTRUCTIONS: An original and two copies of this form shall be filed with t Kansas 67202, within 120 days of the spud date, recompletion, workover Information of side two of this form will be held confidential for a period of 12 107 for confidentiality in excess of 12 months). One copy of all wireline logs a TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells.	or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply.  It months if requested in writing and submitted with the form (see rule 82-3- and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulate herein are complete and confect to the best of my knowledge.	e the oil and gas industry have been fully complied with and the statements
Signature: Date: D	KCC Office Use ONLY  Ketter of Confidentiality Received
Subscribed and sworn to before me this May of	1 Ves If Denied, Yes Date: 10-24-2005
20 0 2	Wireline Log Received
( by Jalan	M4 Geologist Report Received
Notary Public: JONNIE V. V	UIC Distribution RECEIVE
Date Commission Expires: NOTARY PU	WALL JBLIC OCT 1.7 200
STATE OF T	EYAC
My Comm. Exp. 06:	-11-2006 KCC WICH

KCC WICHITA

Side Two ORIGINAL Operator Name: Blue Jay Operating, LLC Lease Name: Thiessen 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. Formation (Top), Depth and Datum Yes ✓ No **√** Log Sample Drill Stem Tests Taken (Attach Additional Sheets) Name Top Datum **√** No Yes Samples Sent to Geological Survey **Driller Log Enclosed** Yes **✓** No Cores Taken √ Yes Electric Log Run No (Submit Copy) List All E. Logs Run: High Resolution Compensated Density/Neutron Log **Bond Log** ✓ New Used CASING RECORD Report all strings set-conductor, surface, intermediate, production, etc. Size Hole Size Casing Weight Lbs. / Ft. Setting # Sacks Type and Percent Type of Purpose of String Drilled Set (In O.D.) Depth Used Additives Surface 12.25" 26 8 5/8" 40' Portland 8 Long String 6.75" 4 1/2" 10.5 1313' 150 Thickset Cement See Attached ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Top Bottom Perforate **Protect Casing** Plug Back TD Plug Off Zone PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth Mulky 910'-914' Foam Frac: Mulky 12000# 16/30 sand 4 Bevier 959'-963'; Crowburg 979'-981' Foam Frac: Bevier/Crowburg 12000# 16/30 sand Flemming 1019'-1022'; Mineral 1035'-1037' Foam Frac: Flemming/Mineral 10000# 16/30 sand TUBING RECORD Size Set At Packer At Liner Run Yes ☐ No Date of First, Resumerd Production, SWD or Enhr, **Producing Method** 6/15/05 Flowing ✓ Pumping Gas Lift Other (Explain) Estimated Production Oil Bbls. Gas Mcf Water Gas-Oil Ratio Gravity Per 24 Hours 20' 50-75 Disposition of Gas METHOD OF COMPLETION Production Interval RECEIVED Commingled \_\_\_\_\_ Vented ✓ Sold Used on Lease Open Hole Perf. Dually Comp. (If vented, Submit ACO-18.) Other (Specify)

KCC WICHITA

# Chambar Malt, US

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 30S R 14E				
API #:  15-205-26035-00-00					Location N2, NE4, NW4				
Operator: Blue Jay Operating LLC					County: Wilson				
Barrers recommendation and the comment of the comme					05LD-042605-CW-017-Thiessen A-3B - BJO				
	Fort	Worth, TX 76107	mentalismi in a distributiva anno a designa a asserbativa a designa. P	STATE OF THE PARTY OF THE STATE	Gas Tests				
Well #:	A-3B	Lease Name:	Thiesse	n	Depth	Pounds	Orfice	I flow - MCF	
Location:	330	ft. from N	Line		827	2 1/2	1/8"	4.42	
1915 ft. from W		Line		927	5	1/4"	20.7		
Spud Date: 4/22/2005					1047	Gas	Check Same		
Date Completed: 4/26/2005 TD: 1324					1127	3 1/2	1/4"	17.1	
Geologi	PROBLET DESCRIPTION OF THE PROPERTY OF THE PRO	entinger programmen under Hermiter beschen der Bereiche der D	DINANCE PROPERTY OF THE PROPER		1224	5	1/4"	20.7	
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254	******************************	shale	804	805		1030	And the Conference of the Conf	oil/ sand	
259	260	coal	805	**********************	shale	1058		sand/ shale	
260		sand- no show	808		pink lime- oil	1067		oil/ sand	
323		sand/ shale	829		shale	1109		sand/ shale	
390 484	484		867		oswego lime	1124		sand- little odor	
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RECEIVED 0CT 17 2005 KCC WICHITA CONSOLIDATED OIL WELL SERVICES, INC. 211 W. 14TH STREET, CHANUTE, KS 66720 620-431-9210 OR 800-467-8676

TICKET NUMBER 3690

LOCATION EURENA MCCoy

TREATMENT REPORT & FIELD TICKET

TROY STRICKIER

				CEMEN	ł	\$ ````		W/ 1 im
DATE	CUSTOMER#	WELL NAME & NUMBER Thiessen # A3-B			SECTION	TOWNSHIP	RANGE	COUNTY
4-27-05					11	305	145	WILSON
CUSTOMER		•						
151	We JAY O	perating	* ************************************	JGo-Joe	TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				Field	445	Keum		
4916 CAMP BOWIE Blvd Ste 204				Service	440	LARRY		
CITY	•	STATE	ZIP CODE		452 T63	lim		
TORTWOM	Th	Tx	76107					
JOB TYPE <u>Lo</u> ~	igstring	HOLE SIZE	3/4	HOLE DEPTH	1324	CASING SIZE & W	EIGHT 4/2	10.5 # New
CASING DEPTH		DRILL PIPE		_TUBING	,		OTHER	
SLURRY WEIGH	IT.13.4 #	SLURRY VOL 4	5 Bbc	WATER gal/s	k <i>8.</i> °	CEMENT LEFT in	CASING O	
DISPLACEMEN'		DISPLACEMENT	PSI_200	MR PSI 120	Bunp Pluc	RATE		•
REMARKS:	AFETY Meet	ling: Rig	40 to 4	1/2 CASIN	g. BREAK	CIRCULATION	1 WI 22	Abl Fooch
WAKE.	rump 2 SK	is Gel fl	ush. 12	BSL DY	e wake. 1	MIXED 150	SKS Thick	t Sex
Cement	w/ 5# X	IL-Seal F	er/sk (a)	13.44	Por/gal Vic	eld 1.69. w	ash out	Pumo &
Lines . 5	but down.	Release 1	Plug. Di	splace a	1 21 856	fresh wa	ter. Fin	al Pumping
Pressure	700 PSI.	Bump Pl	19 to 12	00 PSI.	WAH 2 M	mutes. Re	lease PR	255 UNE
FLOAT HO	eld. Shut	CASING IN	@ 0 PS	1. Good	Cement	Returns	to SUREA	ce - 7
BGL SI	urry. Job	. Compleke	. Rig de	our.				

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	/	PUMP CHARGE	750.00	750-00
5406	60	MILEAGE	2.45	147.00
1126 A	1505Ks	Thick Set Cement	12.70	1905.00
1110 A	15 sks	KOL-SEAL 5# PER/SK	16-55	248.25
/118	2 5ks 8. <sup>25</sup> Tons	Gel flush	13.00	-26.00
5407	8.25 Tows	Ton Mileage	M/c	235.00
4404	/	42 Top Rubber Plug 42 FOAT Shoe FIAPPER Valve	37.00	37.00
4156		4/2 FLOAT Shoe Flapper Valve	121.00	121.00
4129		42 Centralizer	27.00	27.00
5501 C	4 Hes	WAKE TRANSPORT City WALE	86.00	344.00
1123	5670 gals	City water	12.10 1000	68.61
		·		
		Thank V 6.30/		<u>3908.86</u> 153.27
		THANK YOU 6.3%	Sub total SALES TAX	

AUTHORIZTION BH MIC NEW

TITLE\_\_\_

ESTIMATED TOTAL

**BAZCISI**YED

DATE\_

OCT 17 2005



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

May 18, 2005

### Blue Jay - Thiessen A-3B - Stage C

Mulky (910'-914', 4 spf), 16 shots total.

Started with 756 gals gelled water and 500 gals of 7.5% HCl. Followed with 580 gal gelled water flush. Started treatment with a pad of 4956 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 609 gal gelled water. A total of 115,000 SCF of N<sub>2</sub> was used.

Started Pump In, STP-619, BH-647, formation broke down at 3840 psi, but pressure remained high for rates above 1 bpm. Shut down and dump bailed 10 gals 15% HCl. Resumed pump in, formation broke down at 2212 psi. Started acid @ 3 bpm, STP-1853, BH-1993. Started Flush, STP-1767, BH-2048. Started Pad, STP-828, BH-1124. Initial FQ was 59. Sand stages are as follows: Start 1#, STP-1078, BH-1160, FQ-71. Start 2#, STP-1110, BH-1221, FQ-71. Start 3#, STP-1113, BH-1242, FQ-71. Start Flush, STP-1142, BH-1263, FQ-71. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 71Q. Max pressure was 3840. Average rate was 18 bpm at 1099 psi surface (1227 psi bottomhole). ISIP was 645 psi (FG =1.140); 5 min – 536 psi, 10 min – 505 psi, 15 min - 488 psi.



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

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

May 18, 2005

#### Blue Jay - Thiessen A-3B - Stage B

Bevier (959'-963', 4 spf), Crowburg (979'-981', 4 spf), 24 shots total.

Started with 84 gals gelled water and 500 gals of 7.5% HCl. Followed with 529 gal gelled water flush. Started treatment with a pad of 4872 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 638 gal gelled water, then overflushed with 84 gal. A total of 126,000 SCF of  $N_2$  was used.

Started Pump In, STP-22, BH-64, formation broke down at 2985 psi. Started acid @ 2.5 bpm, STP-2027, BH-2121. Started Flush, STP-2097, BH-2186. Started Pad, STP-1208, BH-1424. Initial FQ was 54. Sand stages are as follows: Start 1#, STP-1323, BH-1405, FQ-71. Start 2#, STP-1334, BH-1451, FQ-71. Start 3#, STP-1322, BH-1429, FQ-72. Start Flush, STP-1330, BH-1438, FQ-71. Pad through sand stages were pumped @ 15-23 BPM downhole. FQ averaged 71Q. Max pressure was 2985. Average rate was 20 bpm at 1327 psi surface (1436 psi bottomhole). ISIP was 736 psi (FG =1.192); 5 min – 572 psi, 10 min – 539 psi, 15 min – 519 psi.



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

May 17, 2005

#### Blue Jay - Thiessen A-3B - Stage A

Flemming (1019'-1022', 4 spf), Mineral (1035'-1037', 4 spf), 20 shots total.

Started with 500 gals of 7.5% HCl. Followed with 370 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 Arizona Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 680 gal gelled water, then overflushed with 42 gal. A total of 109,000 SCF of № was used.

Started acid @ 4 bpm, STP-0, BH-44. Started Flush, STP-898, BH-1078, formation broke down at 1435 psi. Started Pad, STP-907, BH-1168. Initial FQ was 67. Sand stages are as follows: Start 1#, STP-1132, BH-1214, FQ-71. Start 2#, STP-1121, BH-1231, FQ-72. Start 3#, STP-1151, BH-1278, FQ-72. Start Flush, STP-1198, BH-1336, FQ-71. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 71Q. Max pressure was 1435. Average rate was 18 bpm at 1139 psi surface (1272 psi bottomhole). ISIP was 772 psi (FG =1.184); 5 min - 670 psi, 10 min - 627 psi, 15 min - 604 psi.

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