

AMENDED

ORIGINAL

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

Operator: License # 33342  
Name: Blue Jay Operating LLC  
Address: 4916 Camp Bowie Blvd., Suite 204  
Fort Worth, TX 76107  
City/State/Zip:  
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: Holerman A-2

Original Comp. Date: SIGW Original Total Depth: 1228"  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) was SIGW - waiting on pipeline Docket No. \_\_\_\_\_  
5/17/06 5/18/06 12/16/06  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 15-205-26012-0000  
County: Wilson  
W2 E2 NW4 NE4 Sec. 34 Twp. 28 S. R. 14  East  West  
660' feet from S N (circle one) Line of Section  
1780' feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Holderman Well #: A-2  
Field Name: Cherokee Basin Coal Gas  
Producing Formation: See Perforating Record  
Elevation: Ground: 890' Kelly Bushing: NA  
Total Depth: 1228' 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/ 130 sx cmt.


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: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. 3  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_  
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**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: 3-17-06  
Subscribed and sworn to before me this 17 day of March  
2006  
Notary Public: Patricia Ann Culp  
Date Commission Expires: Oct 17, 2009

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: 10/18/05  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

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

Operator Name: Blue Jay Operating LLC Lease Name: Holderman Well #: A-2  
 Sec. 34 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  <p style="font-size: 1.2em; margin-left: 20px;">Submitted with SIGW ACO-1 7/12/05</p>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum  Driller's Log Enclosed
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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	11'1/4"	8 5/8"	26#	41'	Portland	8	
Long String	6 3/4"	4 1/2"	10.5	1221'	Thickset Cement	130	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	852-854 - Mulky - 8 shots total	Mav Foam carrying 8000# 16/30 Arizona Sand	
4	912-914 - Bevier;930-932 - Crowburg - 16 shots total	Mav foam carrying 12310# 16/30 Arizona Sand	
		See Attached	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		2 3/8"	987'			
Date of First, Resumerd Production, SWD or Enhr. 12/14/05			Producing Method			
			<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		20	50-75			

Disposition of Gas **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Submit ACO-1B.)*  Other *(Specify)*

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# Champion 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 #:	15-205-26012-0000
Operator:	Blue Jay Operating LLC
	4916 Camp Bowie Suite 204
	Fort Worth, TX 76107

S 34	T 28	R 14E
Location W2, E2, NW4, NE4		
County: Wilson		

				Gas Tests			
Well #:	A-2	Lease Name:	Holdeman	Depth	Pounds	Orifice	flow - MCF
Location:	660 ft. from N	Line		302	11/2#	1/4"	11.02
	1780 ft. from E	Line		804	Gas Check Same		
Spud Date:	5/17/2005			904	6#	1/4"	22.9
Date Completed:	5/18/2005	TD:	1228	954	7 1/2#	1/4"	26.1
Geologist:				1004	Gas Check Same		
Casing Record	Surface	Production		1079	3 1/2#	3/8"	36.3
Hole Size	11"	6 3/4"		1129	Gas Check Same		
Casing Size	8 5/8"			1148	Gas Check Same		
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	8	Overburden	439	442	lime	796	818	sand- no show
8	30	sand stone	442	448	shale	818	835	oswego lime
30	41	sand	448	481	sand- no show	835	843	summit
41	116	shale	481	493	lime	843	849	lime
116	118	lime	493	500	shale	849	857	mulky
118	122	shale	500	585	lime- a lot of water 540'			
122	170	lime- water	585	651	shale	857	859	lime
170	210	shale	651	668	lime	859	928	sand/ shale
210	246	lime	668	732	sand- no show	928	929	coal
246	276	oil/sand	732	736	lime	929	937	sand/ shale
276	282	sand- no show	736	740	sand- no show	937	939	coal
282	283	coal	740	760	sand/ shale	939	968	sand/ shale
283	309	sand- no show	760	761	coal	968	969	coal
309	325	shale	761	765	shale	969	989	shale
325	434	lime	765	788	pink lime	989	990	coal
434	439	shale	788	796	shale	990	1034	shale

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Operator: Blue Jay Operating LLC

Lease Name:

Well #

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Top	Bottom	Formation	Top	Bottom	Formation	Top	Bottom	Formation
1034	1035	coal						
1035	1062	sand/ shale						
1062	1063	coal						
1063	1101	sand/ shale						
1101	1103	coal						
1103	1125	shale						
1125	1126	coal						
1126	1132	shale						
1132	1228	mississippi lime						
1228		Total Depth						

Notes:  
oil odor in top of mississippi. Picked up more water in mississippi.

05LE-051805-R4 CW- 021- Holdeman A-2 - BJO

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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 3954  
 LOCATION Eureka  
 FOREMAN Brad Butler

**TREATMENT REPORT & FIELD TICKET**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-19-05		Holdeman # A-2				Wilson
CUSTOMER <u>Blue Jay Operating</u>						
MAILING ADDRESS <u>4916 Comp Bowie Blvd. Ste 204</u>						
CITY <u>Fortworth</u>		STATE <u>Tx.</u>	ZIP CODE <u>76107</u>			
		TRUCK #	DRIVER	TRUCK #	DRIVER	
		<u>446</u>	<u>Scott</u>			
		<u>442</u>	<u>Anthony</u>			
		<u>436</u>	<u>Jason</u>			

JOB TYPE Logging HOLE SIZE 6 3/4" HOLE DEPTH 1228' CASING SIZE & WEIGHT 4 1/2" 10.5 lb.  
 CASING DEPTH 1221' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.4 SLURRY VOL 39 Bbls. WATER gal/ek 8.0 CEMENT LEFT in CASING 0"  
 DISPLACEMENT 19 1/2 Bbls. DISPLACEMENT PSI 600 ~~PSI~~ 1100 Loaded Plug RATE 4BPM 2BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Break circulation w/ 25 Bbls water - very poor circulation  
Pumped 10 Bbls Gel Flush, followed w/ 25 Bbl water spacer. Pumped 10 Bbls Dry water  
Mixed 130 sks Thick Set Cement w/ 5" PYSK of KOL-SEAL at 13.4 lb. PYSK. Shutdown - washout pump  
and lines. Release Plug - Displace Plug with 19 1/2 Bbls water.  
Final pumping at 600 PSI. Bumped Plug to 1100 PSI. wait 2 minutes. Release Pressure  
Float Held - close casing in w/ 0 PSI  
Good cement returns to surface with 7 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	130 SKS.	Thick Set cement	13.00	1690.00
1110 A	13 SKS.	KOL-SEAL 5" PYSK.	16.90	219.70
1118 A	4 SKS.	Gel Flush	6.63	26.52
5407	7.15 Ton	mileage - Bulk Truck	m/c	240.00
4156	1	4 1/2" Float shoe - Flapper 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
3502C	2	80 Bbl. VAC Truck	82.00	164.00
1123	1600	GAL City water	12.20	1952
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			6.3%	SALES TAX
				ESTIMATED TOTAL
				135.12
				3598.86

AUTHORIZATION Called by Bob McNew TITLE \_\_\_\_\_ DATE \_\_\_\_\_



**MAVERICK**  
**STIMULATION COMPANY, LLC**

12701 ENERGY RD · FT. MORGAN, CO. 80701 · PH (970) 867-2766 · FAX (970) 867-6922

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

November 29, 2005

**Blue Jay - Holdeman A-2, Stage B**

Mulky (852-854, 4 spf), 8 shots total.

Started with pump-in of 252 gal of gelled water. Followed by 500 gals of 7.5% HCl. Followed with 588 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 4483 gals of MavFoam C70 carrying 8000 lbs 18/30 Arizona Sand at 1.0 to 3.0 ppg down hole. The treatment was flushed to the top perforation with 567 gal gelled water. A total of 120,000 SCF of N<sub>2</sub> was used.

Formation broke down at 3585 psi. Started pump-in, STP-53, BH-120. Started acid @ 2.5 bpm, STP-3272, BH-3439. Started Flush, STP-3155, BH-3332. Started Pad, STP-1040, BH-1329; rate was increased to 18 BPM due to declining pressure and potentially losing pad. Initial FQ was 56. Sand stages are as follows: Start 1#, STP-1191, BH-1260, FQ-72. Start 2#, STP-1331, BH-1435, FQ-71; rate was increased to 19 BPM due to declining pressure. Start 3#, STP-1326, BH-1443, FQ-72. Start Flush, STP-1328, BH-1514, FQ-71. Pad through sand stages were pumped @ 15-19 BPM downhole. FQ averaged 72Q. Max pressure was 4276. Average rate was 18 bpm at 1286 psi surface (1351 psi bottomhole). ISIP was 609 psi; 5 min - 425 psi, 10 min - 392 psi, 15 min - 373 psi.

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**MAVERICK**  
**STIMULATION COMPANY, LLC**

12701 ENERGY RD - FT. MORGAN, CO. 80701 - PH (970) 887-2788 - FAX (970) 887-5022

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

November 29, 2005

**Blue Jay - Holdeman A-2, Stage A**

Bevier (912-914, 4 spf), Crowburg (930-932, 4 spf), 16 shots total.

Started with 250 gals of 7.5% HCl. Followed with 676 gal gelled water flush. Started treatment with a pad of 4858 gallons of MavFoam C70, followed by 8453 gals of MavFoam C70 carrying 12310 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, than over flushed by 42 gal. A total of 115,000 SCF of N<sub>2</sub> was used.

Started acid @ 3.5 bpm, STP-8, BH-41. Started Flush, STP-0, BH-81. Started Pad, STP-929, BH-1105; rate was increased to 18 BPM due to falling pressure and potentially losing pad. Initial FQ was 60. Sand stages are as follows: Started 1#, STP-951, BH-998, FQ-72. Started 2#, STP-1049, BH-1147, FQ-72. Started 3#, STP-1067, BH-1185, FQ-73. Started Flush, STP-1057, BH-1195, FQ-71. Pad through sand stages were pumped @ 15-18 BPM downhole. FQ averaged 72Q. Max pressure was 2098. Average rate was 17 bpm at 1070 psi surface (1185 psi bottomhole). ISIP was 555 psi; 5 min - 424 psi, 10 min - 400 psi, 15 min - 389 psi.

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### SUMMARY OF COMPLETION OPERATION

Private & Confidential

Well: <u>HOLDEN A-2</u>	Date: <u>12-16-05</u>	Daily Cost	Cum. Cost
Operator: <u>BIVE DAY</u>	Workover Day:		
Description of Operations			
<u>MIRU Go/Tie Well Sep. MIRU</u> <u>Horton Tool, TTH w/TUBING BACK</u> <u>WASH 52' of SAND off plug LATER</u> <u>ON plug. TTH w/ plug. RUN 32</u> <u>15' of 2 3/8 TUBING. LAND AT 987</u> <u>RUN 37 3/4 rods. Space Well OUT.</u> <u>RD MO</u>			55,405
<u>32 1/2 2 3/8 Tubing</u> <u>37 3/4 rods</u> <u>1- 8' sub</u> <u>2- 6' sub</u> <u>1- 2' sub</u>			
<u>2 X 1 1/2 X 7 BMA99 PA plug. pump</u>			
<u>Elec.</u>		2500	
<u>PU</u>		4300	
<u>Well hook-up Tubing &amp; rods</u>		8000	
<u>Horton Tool</u>		2475	
<u>Tank Truck</u>			
<u>Rental Tank</u>			
<u>Supervision</u>		700	
<u>Workover rig (estimate cost hrs. @ \$ )</u>		1350	
<u>Daily Total</u>		19,325	14,730

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