Form ACO-1 September 1999 Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33342	API No. 15 - 205-25850-0000 DDD
Name: Blue Jay Operating, LLC	County: Wilson
Address: 4916 Camp Bowie Blvd., Suite 204	SE_SE_NWSec. 12 Twp. 30 S. R. 14
City/State/Zip: Fort Worth, TX 76107	2310' feet from S / (N) (circle one) Line of Section
Purchaser: Cherokee Basin Pipeline LLC	2310' feet from E / (W)(circle one) Line of Section
Operator Contact Person: Shannan Shinkle	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 378-3650	(circle one) NE SE NW SW
Contractor: Name: Cherokee Wells, LLC	Lease Name: Well #: A-1
License: 33539	Cherokee Basin Coal Gas Area
Wellsite Geologist: NA	Producing Formation: See Perforating Record
Designate Type of Completion:	Elevation: Ground: 930' Kelly Bushing: NA
New Well Re-Entry Workover	Total Depth: 1316' Plug Back Total Depth:
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 40'8" 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: Blue Jay Operating, LLC	feet depth to_surfacew/_145sx cmt.
Well Name: Jantz A-1	
Original Comp. Date: 2/4/05 Original Total Depth: 1316'	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	(Data must be collected from the Reserve Pit) Chloride content NA ppm Fluid volume bbls
Plug Back Plug Back Total Depth	Dewatering method used Pump
—··· •	
	Location of fluid disposal if hauled offsite:
	Operator Name: Hurricane Truck Services, Inv # MC 156212
Other (SWD or Enhr.?) Docket No.	Lease Name: Curry SWD #5 License No.: 30776
3/28/05 3/30/05 5/31/05 Spuid Date or Date Reached TD Completion Date or	Quarter_SE4 Sec. 15 Twp. 22 S. R. 11 📝 East 🗌 West
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date	County: Greenwood, KS Docket No.: 26554
	•
Kansas 67202, within 120 days of the spud date, recompletion, works	ith the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, over or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. If 12 months if requested in writing and submitted with the form (see rule 82-3-gs and geologist well report shall be attached with this form. ALL CEMENTING IIIs. Submit CP-111 form with all temporarily abandoned wells.
All requirements of the statutes, rules and regulations promulgated to regu	ulate 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: Kansem Augla	KCC Office Use ONLY
Title: Administrative Assistant Date: 8/10/07	Letter of Confidentiality Received
12 A. 211	If Denied, Yes Date:
Subscribed and sworn to before me this 10 day of 700	Wireline Log Received
20 07	Geologist Report Received RECEIVED KANSAS CORPORATION COMI
MARANNINA A TRAC'	Y MILLER UIC Distribution KANSAS CORPORATION COM
Notary Public	- State of Kansas AUG 1 4 2007
Date Commission Expires: 12/1/2010 My Appt. Expires /2	2/1/2010
	CONSERVATION DIVISION WICHITA KS

Operator Name: Blue	Jay Operating, LLC			Lease	Name: Ja	ıntz		Well #: A-1		
Sec. 12 Twp. 30			☐ West	County	: Wilson					
NSTRUCTIONS: Shested, time tool open emperature, fluid rec Electric Wireline Logs	n and closed, flowing overy, and flow rates	and shut-in if gas to s	n pressures, v urface test, a	enetrated. whether sh long with fi	Detail all nut-in pres	sure reached	l static level, hydros	tatic pressure	es, bottom	noie
Orill Stem Tests Take		Yes	s √ No		√ Lo	g Forma	tion (Top), Depth an			ample
Samples Sent to Geo	ological Survey	Yes	s ✓ No		Name Driller L		th 4/15/05 ACO-1	Тор	U	atum
Cores Taken Electric Log Run (Submit Copy)		☐ Yes								
ist All E. Logs Run:										
Electric Log S	ubmitted with	4/15/05		RECORD	✓ Ne	w 🔲 Used				
		Report	all strings set-	conductor, s	urface, inte			T	T =	
Purpose of String	Size Hole Drilled		Casing (In O.D.)	Wei Lbs.		Setting Depth	Type of Cement	# Sacks Used		nd Percent ditives
Surface	12.25"	8 5/8"		26		41'	Portland	8		
Production	6.75"	4 1/2"		10.5		1312'	60/40 POZMIX	145	See Atta	ached
<u> </u>										
		1	ADDITIONAL	CEMENT	ING / SQU	EEZE RECOF				
Purpose: Perforate Protect Casing	Depth Top Bottom	Туре	of Cement	#Sacks	s Used		Type and Po	ercent Additive	s 	
Plug Back TD Plug Off Zone										
	PERFORAT	ION RECOR	D - Bridge Plu	gs Set/Type	•	Acid, F	racture, Shot, Cement	Squeeze Reco	ord	
Shots Per Foot	Specify	Footage of E	ach Interval Pe	rforated			(Amount and Kind of Ma	terial Used)		Depth
4	Mulky - 902'-905'						9000# 16/30 sand			
4	Bevier 950'-952'; C	Croweburg	968'-970'				6000# 16/30 sand			
4	Mineral 1007'-101	1'; Tebo 10	58'-1061'			Foam Frac:	5000# 16/30 sand			
TUBING RECORD	Size	Set At		Packer	At	Liner Run	✓ Yes			
Date of First, Resume 6/1/05	erd Production, SWD or	Enhr.	Producing Me	ethod	Flowin	g 🕢 Pur	nping Gas Lit	t Ot	her (Explain)
Estimated Production Per 24 Hours	Oil	Bbls.	Gas 20	Mcf	Wat 50-75		Bbis. (Bas-Oil Ratio		Gravity
Disposition of Gas	METHOD OF	COMPLETIC)N			Production In	nterval			
Vented ✓ Solo	d Used on Lease		Open Hole		erf.	Dually Comp.	Commingled _	KANSAS CO	RECEIV DRPORATIO	ED N COMMISS

AUG 1 4 2007

JUL 18 2005

Well Refined Duilling Company, Inc

4270 Gray Road - Thayer, KS 66776 Contractor License # 33072 - FEIN #

KCC WICHITA

620-763-2619/Office; 918-440-0976/Lowell Pocket; 620-432-6170/Jeff Pocket; 620-763-2065/FAX S 12 T 30 R 14E Rig #: Location SE, SE, NW API#: 15-205-25856-0000 County: Wilson Operator: Blue Jay Operating LLC 4916 Camp Bowie

Ţ	4916	Camp Bowle						
10.5	Fort \	Worth, TX 76107				Gas 1	ests	
Vell #:		Lease Name: Jai	ntz		Depth	12 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	Orfice	flow - MCF
ocation:		ft. from (N / S)	Line		489	21"	1/8"	2.4
		ft. from (E / W)	Line	an e	739	4"	1/4"	3,37
pud Date		9/15/2004		7 9 9	814	6"	1/4"	4,12
ate Comp		9/17/2004	TD: 131	6	839	11"	1/4"	5.6
Seologi					900	4"	3/8"	7.14
asing f	·	Surface	Product	on	915	5"	3/4"	31.6
lole Siz		12 1/4"		6 3/4"	990	6"	3/4"	34.7
Casing		8 5/8"			1015	4"	1"	51.6
Veight					1316	6"	3/4"	34.7
Setting	Depth	40' 8"					* ** *** *** *** *** *** *** *** *** *	
Cement		Portland		राज्य स्टब्स् इ.स.च्या	kistakta ki mada kilata			
Sacks	750	11 W					Į.	
	Casing	40' 8" C	*****					
	<u> </u>				7			
Rig Tim	P	Work Performed		ANT TO THE ST				
(ig i iii								
 			····					
		7.8	<u> </u>	Well L	og			
Тор	Bottom	Formation	Тор	Bottom	Formation	Top	Bottom	Formation
0		Overburden	266	273	g shly sand	472	475	dg shl/l strks
1		clay	273		sand/shi strks	475	478	blk shale
3		g shl/l strks	279		sand	476		water
4		g shl/lime	280		wet	478	481	dg shale
6		lime	288		sand/shl strks	481	482	coal
47		dg shale	318		coal	482	485	g sdy shl/lime
50		lime/dg shale	319		g shl/l strks	485	488	lime/g sdy shale
55				7,10,315	mg sht/lime	488	498	g shily sand
	1 62	lda shl/i strks	11 334	33/	ing stiville	11 255		
62		dg shl/l strks	334 337			488		increased water
62 115	115	lime	337	352	mg shl/snd strks			Contract of the second
115	115 120	lime lime/shl strks	337 352	352 385	rng shl/snd strks mg shl/l strks	488	499	Contract of the second
115 120	115 120 140	lime lime/shl strks mg shl/l strks	337 352 385	352 385 388	mg shl/snd strks mg shl/l strks lime/mg shale	488 498	499 517	coal g shale/l strks
115 120 140	115 120 140 143	lime lime/shl strks mg shl/l strks lime/mg shale	337 352 385 388	352 385 388 401	mg shl/snd strks mg shl/l strks lime/mg shale lime	488 498 499	499 517 535	coal g shale/l strks
115 120 140 143	115 120 140 143 172	lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks	337 352 385 388 401	352 385 388 401 405	mg shl/snd strks mg shl/l strks lime/mg shale lime mg shl/l strks	488 498 499 517	499 517 535 570	coal g shale/l strks lime
115 120 140 143 172	115 120 140 143 172 2 250	lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks mg shale	337 352 385 388 401 405	352 385 388 401 405 406	mg shl/snd strks mg shl/l strks lime/mg shale lime mg shl/l strks lime/shl/strks	488 498 499 517 535	499 517 535 570 585	coal g shale/I strks lime mg shl/I strks
115 120 140 143 172 250	115 120 140 143 172 2 250 0 253	lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks mg shale mg shl/lime	337 352 385 388 401 405 406	352 385 388 401 405 406 408	mg shl/snd strks mg shl/l strks lime/mg shale lime mg shl/l strks lime/shl strks dg shl/l strks	488 498 499 517 535 570	499 517 535 570 585 588	coal g shale/I strks lime mg shl/I strks lime/shl strks
115 120 140 143 172 250 253	115 120 140 143 172 2 250 2 253 3 256	lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks mg shale mg shl/lime lime	337 352 385 388 401 405 406 408	352 385 388 401 405 406 408 417	mg shl/snd strks mg shl/l strks lime/mg shale lime mg shl/l strks lime/shl strks dg shl/l strks	488 498 499 517 535 570 585	499 517 535 570 585 588 590	coal g shale/I strks lime mg shl/I strks lime/shl/ strks dg shl/I strks dg blk shl/pyrite strks blk shl/pyrite strks
115 120 140 143 172 250	115 120 140 143 172 2 250 2 253 3 256 6 260	lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks mg shale mg shl/lime	337 352 385 388 401 405 406	352 385 388 401 405 406 408 417 418	mg shl/snd strks mg shl/l strks lime/mg shale lime mg shl/l strks lime/shl strks dg shl/l strks	488 498 499 517 535 570 585 588	499 517 535 570 585 588 590 592	coal g shale/I strks lime mg shl/I strks lime/shl strks dg shl/I strks dg blk shl/pyrite strks blk shl/pyrite strks

AUG 1 4 2007

KCC JUL 0 7 2005

CONTINENTIAL

ORIGINAL

erator:	Blue Jay C	perating	Lease Nar	ne: Jantz		"Well#"	30,70,70	pag
Top	Bottom	Formation	Тор	Bottom	Formation	Top .		Formation
607	612	dg shl/l strks	886	887	dg blk shl/lime	1144		fime/coal
612	613	coal	887	891	Summit blk shale	1146	1149	g shl/l strks
613	616	dg shale	891	895	dg shl/l strks	1149	1163	mg shl/snd strks
616	621	lime	895	906	lime	1163	1164	Rowe coal
621	627	g shale	906	907	dg shl/i strks	1164	1176	Tucker sand
627	636	dg shale	907	910	Mulky blk shale	1164	8	water
636	637		910	911	coal	1176	1182	mg shale
637	640	g shale/lime	911	915	g shl/lime	1182		mg shl/lam snd
640		lime/g shale	915		dg shl/l strks	1192		dg mg shale
655		g shi/i strks	961		g shl/l strks	1198		gm g shl/l strks
660	- 12	mg shale	963	971	dg shl/li strks	1201	1206	g sdy shl/l strks
664		lime/shl strks	971	972	Croweburg coal	1206	1212	mg shi/lam sand
679		lime	972	980	lime	1212	1214	g shl/l/chert strks
685		lime/g shale	980	1005	dg shi/l strks	1214	1220	Mississippi chert
693		g sdy shale	1005	1009	mg shl/l strks		gerra alem Z	chat/shl strks
699		mg shl/snd strks	1009		Mineral coal	1220	1234	chert/l strks
706		mg sdy shale	1010		lime/shl strks	1234	1240	tan l/g w chert
712		mg shale	1013	1030	mg shl/l strks	1240	1260	w g chert/l strks
721	722		1030	1038	mg shi/snd strks	1240		water
722		g sdy shale	1038	1046	mg br shly snd	1260	1284	tan I/g chat strks
730		g shl/lam sand	1046		dg shi/snd strks	1284		chert/l strks
738		g shly sand	1052	1061	dg shl/l strks	1298	1316	tan Vchert strks
745		sand	1061		dg blk shl/l strks	1316		Total Depth
780	789	mg shl/snd strks	1062	1063	Bluejacket coal			
789		mg sh/l strks	1063		g shl/l strks			
800		lime/shale	1073		mg shl/l strks			
802		Mulberry coal	1088		mg shl/ snd strks			
804		Pawnee lime	1095		Bartlesville mg br			
827		Lexington blk shl			shi snd/coal strks			
832		dg shi/l strks	1110	1124	br snd/shl strks			
836		mg shi/lime	1110		water			
839	to a series and the series and	g mg shi/l strks	1124	1132	mg sdy shale	1	I	
867		Oswego lime	1132		water	1	1	
870		oil odor	1132	1141	br snd/coal strks	1	1	
885		dg shl/l strks	1141		mg sdy shale	1		

Notes:

JUL 18 2005

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KCC WICHITA

04LI-091704-R2-060- Jantz A-1 Blue Jay Operating

Abbreviations used: d=dark, g=gray,sh or shl=shale, snd or sd=sand,m=med,br=brown,chrt=chert, cht=chat, /=with, l=lime, w=white, strks or stks =streaks, lam=laminated, gm=green, mg=medium gray b or blk=black, dg=dark gray, sdy=sandy, shly=shaley,

Keep Drilling - We're Willing!

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AUG 1 4 2007

ORIGINAL



KCC JUL 0 7 2005 CONFIDENTIAL

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 31, 2005

Blue Jay - Jantz A#1 - Return Trip

Mulky (902'-905', 4 spf), 12 shots total.

Started with 500 gals of 7.5% HCl. Followed with 672 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 4500 gals of MavFoam C70 carrying 9000 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 123,000 SCF of N_2 was used.

Started acid @ 5 bpm, STP-184, BH-212. Started Flush, STP-972, BH-901. Formation broke down at 1289 psi. Started Pad, STP-1241, BH-1573. Initial FQ was 61. Sand stages are as follows: Start 1#, STP-1397, BH-1480, FQ-70. Start 2#, STP-1492, BH-1615, FQ-70. Start 3#, STP-1601, BH-1737, FQ-71. Start Flush, STP-1566, BH-1723, FQ-71. Pad through sand stages were pumped @ 15-18 BPM downhole. FQ averaged 70Q. Max pressure was 1601. Average rate was 18 bpm at 1496 psi surface (1656 psi bottomhole). ISIP was 896 psi; 5 min - 721 psi, 10 min - 699 psi, 15 min - 688 psi.

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CONSERVATION DIVISION WICHITA, KS

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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 KCC WICHITA

ORIGINAL

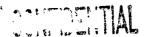
NOC WICHTIAN PARIFIANTIAN	URIGINAL
Operator: License # 33342	API No. 15 - 205-25856-000
Name: Blue Jay Operating, LLC	County: Wilson
Address: 4916 Camp Bowie Blvd., Suite 204	SE _SE _ NW Sec. 12 Twp. 30 S. R. 14
City/State/Zip: Fort Worth, TX 76107	2310' feet from S (N (bircle one) Line of Section
Purchaser: Cherokee Basin Pipeline LLC	2310' feet from E (W)circle one) Line of Section
Operator Contact Person: Jens Hansen	Footages Calculated from Nearest Outside Section Corner:
Phone: (817) 546-0034	(circle one) NE SE NW SW
Contractor: Name: Well Refined Drilling Co., Inc. JUL V / 2007	Lease Name: Jantz Well #: A-1
License: 33072 CONFIDENTIA	Field Name: Cherokee Basin Coal Gas
Wellsite Geologist: NA	Producing Formation: See Perforating Record
Designate Type of Completion:	Elevation: Ground: 930' Kelly Bushing: NA
New Well Re-Entry Workover	Total Depth: 1316' Plug Back Total Depth:
Oil SWD SIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 40'8" Feet
✓ Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
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: Blue Jay Operating, LLC	feet depth to surface w/ 145 sx cmt.
Well Name: Jantz A-1	oot dopin to
Original Comp. Date: 2.4405-2-4-07ginal Total Depth: 1316'	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) August 12 Withward 12 Control of the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	
Plug BackPlug Back Total Depth	Chloride content NA ppm Fluid volume bbls
Commingled Docket No	Dewatering method used_Pump
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name: Hurricane Truck Services, Inv # MC 156212
	Lease Name: Curry SWD # 5 License No.: 30776
3/28/05 3/30/05 5/31/05 Spud Date or Date Reached TD Completion Date or	Quarter SE4 Sec. 15 Twp. 22 S. R. 11 Fast West
Recompletion Date Recompletion Date	County: Greenwood, KS Docket No.: 26554
:	
INSTRUCTIONS: An original and two copies of this form shall be filed with Kansas 67202, within 120 days of the spud date, recompletion, workove Information of side two of this form will be held confidential for a period of 12	r or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply.
107 for confidentiality in excess of 12 months). One copy of all wireline logs a	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 regular	te the oil and gas industry have been fully complied with and the statements
herein are complete and compet to the best of my knowledge.	, , , ,
	KCC Office Use ONLY
Signature: 7-1/-9C	169
Title: Date:	Letter of Confidentiality Received
Subscribed and sworn to before me thisday of	If Denied, Yes Date:
20	Wireline Log Received
Notary Public:	Geologist Report Received
	UIC Distribution
Data Commission Evoiras:	

CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: Diu	e Jay Operating,	LLC	Lease N	ame: Jantz	·- ·- · · · · · · · · · · · · · · · · ·	. Well #: _A-1	<u> </u>
Sec. 12 Twp. 3	30 S. R. 14	✓ East 🗌 West					
ested, time tool ope emperature, fluid rei	n and closed, flowing covery, and flow rate	and base of formation g and shut-in pressur s if gas to surface te inal geological well s	res, whether shut st, along with fina	i-in pressure reache	d static level, hydros	static pressui	res, bottom hole
Drill Stem Tests Take		☐ Yes ☑ No)	√ Log Forma	ition (Top), Depth ar	nd Datum	Sample
Samples Sent to Ge	•	☐ Yes 🗸 No	,	Name		Тор	Datum
Cores Taken Electric Log Run (Submit Copy)		☐ Yes ☑ No ☑ Yes ☐ No		Driller Log Submitted w	ith 4/15/05 ACO-1		RECEIVED
List All E. Logs Run: Electiric Logs		4/15/05 - ACC	D-1	JŮI	O 7 2005 FIDENTIAL	KC	JL 18 2005 CWICHITA
			ING RECORD	New Used	iction etc		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight	Setting	Type of	# Sacks	Type and Percent
Surface	12.25"	8 5/8"	26	t. Depth 41'	Portland	Used 8	Additives
Production	6.75"	4 1/2"	10.5	1312'	60/40 POZMIX	145	See Attached
		ADDITIO	NAL CEMENTING	/ SQUEEZE RECOF	RD.		
Purpose: —— Perforate —— Protect Casing —— Plug Back TD —— Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks U		· · · · · · · · · · · · · · · · · · ·	ercent Additive	S .
Shots Per Foot		ION RECORD - Bridge Footage of Each Interva			racture, Shot, Cement Amount and Kind of Ma		ord Depth
4	Mulky - 902' - 90				c: 9000# 16/30 s		- Dopin
4		; Crowburg 968'-9	970'		c: 6000# 16/30 s	······································	
4		1011';Tebo 1058'-			c: 5000# 16/30 s		
TUBING RECORD	Size	Set At	Packer At	Liner Run	✓ Yes		.!
Date of First, Resume 6/1/05	rd Production, SWD or E	Enhr. Producing	Method	Flowing Pun	nping Gas Lift	ı 🗌 OII	her (Explain)
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf	Water 50-75	Bbis. G	as-Oil Ratio	Gravity
Disposition of Gas	METHOD OF	COMPLETION		Production In	terval		
Disposition of Gas ☐ Vented ✓ Sold	_	COMPLETION Open F	Hole Perf.		terval		



KCC JUL 0 7 2005

JUL 18 2005

Welli Refined Dnilling Company, Inc. 4270 Gray Road - Thayer, KS 66776

Contractor License # 33072 - FEIN # 620-763-2619/Office; 918-440-0976/Lowell Pocket; 620-432-6170/Jeff Pocket; 620-763-2065/FAX

CONFIDENTIAL KCC WICHITA

Rig #:	2				NEW		Г 30	R 14E
API#: 1	5-205-2	5856-0000			Rion#2)	Location		, NW
Operator	: Blue	Jay Operating Ll	_C			County:	Wilson	
· ·		Camp Bowie			ALL DIE			
		Worth, TX 76107				Gas T	ests	
Well #: A		Lease Name: Ja			Depth	Oz.	Orfice	flow - MCF
Location:		ft. from (N / S)	Line	an are seen	489	21"	1/8"	2.4
D212275	1 2 2 2 2 2 2	ft. from (E / W)	Line	44,375	739	4"	1/4"	3.37
Spud Date:		9/15/2004		2 2 2 2 2 2	814	6"	1/4"	4.12
Date Compl		9/17/2004	TD: 131	6	839	11"	1/4"	5.6
Geologis					900	4"	3/8"	7.14
Casing R		Surface	Producti	ion	915	5"	3/4"	31.6
Hole Size		12 1/4"		6 3/4"	990	6"	3/4"	34.7
Casing S		8 5/8"			1015	4"	1"	51.6
Weight					1316	6"	3/4"	34.7
Setting C	Depth	40' 8"						
Cement		Portland						
Sacks		11 W						
Feet of C	Casing	40' 8" C						
	····							1.5%
Rig Time	e	Work Performed	1					
	-							
	ــــــــــــــــــــــــــــــــــــــ							
				Well L	og			
Top	Bottom	Formation	II Top	13.5	Oğ Formation	ll Top	Bottom	Formation
	Bottom 1	Formation Overburden	Top 266	Bottom	Formation .	Top 472	No. 1. Control of the Control	Formation dg shi/i strks
0	1	Overburden	266	Bottom 273	Formation g shly sand	1 200 000 0000	475	and the second second
0	1 3	Overburden clay		Bottom 273 279	Formation .	472	475	dg shl/l strks
0 1 3	1 3 4	Overburden clay g shl/l strks	266 273	Bottom 273 279 288	Formation g shly sand sand/shl strks	472 475	475 478	dg shi/i strks blk shale
0 1 3 4	1 3 4 6	Overburden clay g shl/l strks g shl/lime	266 273 279	Bottom 273 279 288	Formation g shly sand sand/shl strks sand	472 475 476	475 478 481 482	dg shi/l strks blk shale water dg shale coal
0 1 3 4 6	1 3 4 6 47	Overburden clay g shl/l strks g shl/lime lime	266 273 279 280	273 279 288 318	Formation g shly sand sand/shl strks sand wet	472 475 476 478	475 478 481 482 485	dg shi/l strks blk shale water dg shale coal g sdy shi/lime
0 1 3 4	1 3 4 6 47 50	Overburden clay g shl/l strks g shl/lime lime dg shale	266 273 279 280 288	273 279 288 318 319	Formation g shly sand sand/shl strks sand wet sand/shl strks coal	472 475 476 478 481	475 478 481 482 485	dg shi/l strks blk shale water dg shale coal
0 1 3 4 6 47 50	1 3 4 6 47 50	Overburden clay g shl/l strks g shl/lime lime dg shale lime/dg shale	266 273 279 280 288 318	273 279 288 318 319 334	Formation g shly sand sand/shl strks sand wet sand/shl strks	472 475 476 478 481 481	475 478 481 482 485 488	dg shi/l strks blk shale water dg shale coal g sdy shi/lime
0 1 3 4 6 47 50	1 3 4 6 47 50 55 62	Overburden clay g shl/l strks g shl/lime lime dg shale lime/dg shale dg shl/l strks	266 273 279 280 288 318 319	80ttom 273 279 288 318 319 334 337	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks	472 475 476 478 481 482 485	475 478 481 482 485 488 498	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale
0 1 3 4 6 47 50 55 62	1 3 4 6 47 50 55 62 115	Overburden clay g shl/l strks g shl/lime time dg shale time/dg shale dg shl/l strks	266 273 279 280 288 318 319 334	80ttom 273 279 288 318 319 334 337 352	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime	472 475 476 478 481 482 485 488	475 478 481 482 485 488 498	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale g shly sand
0 1 3 4 6 47 50 55 62 115	1 3 4 6 47 50 55 62 115	Overburden clay g shl/l strks g shl/lime lime dg shale lime/dg shale dg shl/l strks lime lime	266 273 279 280 288 318 319 334 337	Bottom 273 279 288 318 319 334 337 352 385	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime mg shl/snd strks	472 475 476 478 481 482 485 488 488 498	475 478 481 482 485 488 498 499 517	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale g shiy sand increased water coal g shale/l strks
0 1 3 4 6 47 50 55 62 115	1 3 4 6 47 50 55 62 115 120	Overburden clay g shl/l strks g shl/lime time dg shale time/dg shale dg shl/l strks lime time/shl strks mg shl/l strks	266 273 279 280 288 318 319 334 337 352	80ttom 273 279 288 318 319 334 337 352 385 388	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime mg shl/snd strks mg shl/s strks	472 475 476 478 481 482 485 488 488 488	475 478 481 482 485 488 498 517 535	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale g shly sand increased water coal g shale/l strks lime
0 1 3 4 6 47 50 55 62 115 120	1 3 4 6 47 50 55 62 115 120 140	Overburden clay g shl/l strks g shl/lime time dg shale time/dg shale dg shl/l strks time time/shl strks time time/shl strks	266 273 279 280 288 318 319 334 337 352 385	80ttom 273 279 288 318 319 334 337 352 385 388 401	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime mg shl/snd strks mg shl/l strks	472 475 476 478 481 482 485 488 488 499 517 535	475 478 481 482 485 488 498 517 535 570	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale g shly sand increased water coal g shale/l strks lime mg shi/l strks
0 1 3 4 6 47 50 55 62 115 120 140	1 3 4 6 47 50 55 62 115 120 140 143	Overburden clay g shl/l strks g shl/lime time dg shale time/dg shale dg shl/l strks time time/shl strks time shl/l strks mg shl/l strks time/mg shale mg shl/snd strks	266 273 279 280 288 318 319 334 337 352 385 388	318 319 334 335 388 401 405	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime mg shl/snd strks mg shl/l strks lime/mg shale lime	472 475 476 478 481 482 485 488 488 499	475 478 481 482 485 488 498 517 535 570	dg shl/l strks blk shale water dg shale coal g sdy shl/lime lime/g sdy shale g shly sand increased water coal g shale/l strks lime
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0 1 3 4 6 47 50 55 62 115 120 140 143 250	1 3 4 6 47 50 55 62 115 120 140 143 172 250 253	Overburden clay g shl/l strks g shl/lime lime dg shale lime/dg shale dg shl/l strks lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks mg shl/snd strks	266 273 279 280 288 318 319 334 337 352 385 388 401 405	Bottom 273 279 288 318 319 334 337 352 385 401 405 406 408	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime mg shl/sind strks ime/mg shale lime mg shl/l strks lime/mg shale lime mg shl/l strks	472 475 476 478 481 482 485 488 498 499 517 535 570 585	475 478 481 482 485 488 498 517 535 570 585 588 590	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale g shiy sand increased water coal g shale/l strks lime mg shi/l strks lime/shi strks dg shi/l strks
0 1 3 4 6 47 50 55 62 115 120 140 143	1 3 4 6 47 50 55 62 115 120 140 143 172 250 253 256	Overburden clay g shl/l strks g shl/lime lime dg shale lime/dg shale dg shl/l strks lime lime/shl strks mg shl/l strks lime/mg shale mg shl/snd strks mg shl/snd strks	266 273 279 280 288 318 319 334 337 352 385 388 401 405 406	Bottom 273 279 288 318 319 334 337 352 385 401 405 406 408	Formation g shly sand sand/shl strks sand wet sand/shl strks coal g shl/l strks mg shl/lime mg shl/snd strks mg shl/l strks lime/mg shale lime mg shl/l strks lime/shl strks dg shl/l strks	472 475 476 478 481 482 485 488 498 499 517 535 570 585	475 478 481 482 485 488 498 517 535 570 588 590 592	dg shi/l strks blk shale water dg shale coal g sdy shi/lime lime/g sdy shale g shiy sand increased water coal g shale/l strks lime mg shi/l strks lime/shi/l strks

CONTICUTAL

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ORIGINAL

mtor.	Blue Jay O	nerating	Lease Nar	me lant-	N. CO. CE POI	DEAT Well#		no.	je 2
	Bottom		Top		Formation	Top	Bottom	Formation	
607		dg shl/l strks	886		dg blk shl/lime	1144	C15.10(1.10(1.10(1.10(1.10(1.10(1.10(1.10	lime/coal	
612		coal	887		Summit blk shale	1146		g shl/l strks	
613		dg shale	891		dg shl/l strks	1149		mg shl/snd strks	
616			895	906		1163		Rowe coal	
621		g shale	906	11.0	dg shl/l strks	1164		Tucker sand	
627		g snale idg shale	907		Mulky blk shale	1164	S TIPO	water	
636			910		coal	1176	1182	mg shale	
637	•	g shale/lime	911		g shl/lime	1182		mg shi/lam snd	
640		lime/g shale	915		dg shl/l strks	1192		dg mg shale	
655		g shl/l strks	961		g shi/i strks	1198	A	grn g shl/l strks	
660		mg shale	963		dg shl/l strks	1201	6 2. B.A. C. B.A. C.	g sdy shl/i strks	• •
664		lime/shl strks	971	40.11.11.11.11.11.11.11.11.11.11.11.11.11	Croweburg coal	1206		mg shl/lam sand	
679		lime	972		lime	1212		g shl/l/chert strks	
685		lime/g shale	980		dg shi/i strks	1214	and the same of the same of the	Mississippi cher	
693		g sdy shale	1005		mg shl/l strks		3	chat/shl strks	
699		mg shl/snd strks	1009	14.	Mineral coal	1220	1234	chert/l strks	
706		mg sdy shale	1010	and the second second	lime/shl strks	1234	20, 11, 11,111,111,	tan I/g w chert	
712		mg shale	1013	1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg shi/i strks	1240		w g chert/l strks	
721		coal	1030		mg shl/snd strks	1240		water	
722		g sdy shale	1038	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	mg br shly snd	1260		tan I/g chat strks	
730		g shi/lam sand	1046		dg shi/snd strks	1284		chert/l strks	
738		g shiy sand	1052		dg shl/l strks	1298		tan I/chert strks	
745		sand	1061	The state of the section of the	dg blk shl/l strks	1316		Total Depth	
780		mg shl/snd strks	1062	14.34.77.11	Bluejacket coal	19.9			
789		mg sh/l strks	1063		g shi/i strks				
800		lime/shale	1073		mg shi/l strks	1			٠.
802		Mulberry coal	1088	3 1.0 1.7 4 10.000.3	mg shl/ snd strks				
804	_	Pawnee lime	1095		Bartlesville mg br		<u> </u>		
827		Lexington blk shl			shi snd/coal strks				
832	4	dg shi/i strks	1110	1124	br snd/shi strks				
836		mg shl/lime	1110		water		0.5		
839	140-340-340-340-340-340-	g mg shl/l strks	1124		mg sdy shale				
867	the second secon	Oswego lime	1132		water	1	1		
870		oil odor	1132		br snd/coal strks				
885		dg shi/l strks	1141		mg sdy shale				R

Notes:

JUL 1 8 2005

KCC WICHITA

04LI-091704-R2-060- Jantz A-1 Blue Jay Operating

Abbreviations used: d=dark, g=gray,sh or shl=shale, snd or sd=sand,m=med,br=brown,chrt=chert, cht=chat, /=with, l=lime, w=white, strks or stks =streaks, lam=laminated, grn=green, mg=medium gray b or blk=black, dg=dark gray, sdy=sandy, shly=shaley,

Keep Duilling - We're Willing!

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

May 31, 2005

Blue Jay - Jantz A#1 - Return Trip

Mulky (902'-905', 4 spf), 12 shots total.

Started with 500 gals of 7.5% HCl. Followed with 672 gal gelled water flush. Started treatment with a pad of 5000 gallons of MavFoam C70, followed by 4500 gals of MavFoam C70 carrying 9000 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 123,000 SCF of N_2 was used.

Started acid @ 5 bpm, STP-184, BH-212. Started Flush, STP-972, BH-901. Formation broke down at 1289 psi. Started Pad, STP-1241, BH-1573. Initial FQ was 61. Sand stages are as follows: Start 1#, STP-1397, BH-1480, FQ-70. Start 2#, STP-1492, BH-1615, FQ-70. Start 3#, STP-1601, BH-1737, FQ-71. Start Flush, STP-1566, BH-1723, FQ-71. Pad through sand stages were pumped @ 15-18 BPM downhole. FQ averaged 70Q. Max pressure was 1601. Average rate was 18 bpm at 1496 psi surface (1656 psi bottomhole). ISIP was 896 psi; 5 min - 721 psi, 10 min - 699 psi, 15 min - 688 psi.

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