

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1167072

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #		API No. 15
Name:		Spot Description:
Address 1:		
		Feet from North / South Line of Section
City: Sta	ate: Zip:+	Feet from Cast / West Line of Section
-		Footages Calculated from Nearest Outside Section Corner:
Phone: ()		
		County:
		Lease Name: Well #:
		Field Name:
-		
		Producing Formation:
Designate Type of Completion:		Elevation: Ground: Kelly Bushing:
New Well	Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW	SWD SIOW	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A	ENHR SIGW	Multiple Stage Cementing Collar Used?
OG	GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)		If Alternate II completion, cement circulated from:
Cathodic Other (Core	e, Expl., etc.):	feet depth to:w/sx cmt.
If Workover/Re-entry: Old Well Infe	o as follows:	
Operator:		Drilling Fluid Menonement Dien
Well Name:		Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date:	Original Total Depth:	
Deepening Re-perf.		Chloride content: ppm Fluid volume: bbls
	Conv. to GSW	Dewatering method used:
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled	Permit #:	Operator Name:
Dual Completion	Permit #:	
SWD	Permit #:	Lease Name: License #:
ENHR	Permit #:	Quarter Sec TwpS. R East West
GSW	Permit #:	County: Permit #:
Spud Date or Date Rea Recompletion Date	Completion Date or Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY
Letter of Confidentiality Received
Date: Confidential Release Date:
Wireline Log Received Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Side Two	1167072
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Shee	ets)	Yes	No	Lo	-	n (Top), Depth an		Sample
Samples Sent to Geologi	cal Survey	Yes	No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted El (If no, Submit Copy)	lectronically	☐ Yes ☐ ☐ Yes ☐ ☐ Yes ☐	No					
List All E. Logs Run:								
		CA	SING RECORE	D Ne	w Used			
		Report all string	gs set-conductor,	surface, inte	rmediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)		eight s. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge P Each Interval I		e			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed F	Product	ion, SWD or ENHF	λ .	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF C	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subi	mit ACC)-18.)		Other (Specify)						

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

(On T	RILOBITE	DRILL STEM TE	EST REP	ORI			
新生 L		Great Plains Energy Inc.		31-9s	s-24w Gra	aham,KS	
	ESTING , INC	6121 S 58th St. STE B Lincoln, NE 68516			l ing #1-31 cket: 51157		[#:1
		ATTN: Larry Nicholson/ Dar	1 1			04.04 @ 20:24:0	
		ar a 11 a an a				.	
GENERAL INF	Toronto - LKC "A"						
Deviated: Time Tool Opened Time Test Ended:	No Whipstock: d: 22:36:45	ft (KB)		Test T Tester	r: Jam	ventional Bottom es Winder	ı Hole (Initial)
				Unit No			
nterval: 3 Total Depth:	832.00 ft (KB) To 38 3880.00 ft (KB) (TV	80.00 ft (KB) (TVD) /D)		Refere	ence Elevat		.00 ft (KB) .00 ft (CF)
lole Diameter:	7.88 inchesHole				KB to G		.00 ft
Serial #: 6719 Press@RunDepth Start Date: Start Time: FEST COMME	n: 236.59 psig 2013.04.04 20:24:05 :NT: 30 - IF: Blow built	End Date: End Time: t to BOB (11'') in 10 min.	2013.04.05 03:53:44	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 2013	8000 2013.04 3.04.04 @ 22:36 3.04.05 @ 01:38	:30
<u></u>	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ine		PRE	ESSURE	SUMMARY	
E	30 - FF: Blow bui 60 - FSI: Bled off	ilt to BOB in 21 min. , No blow back	Time	Pressure	Temp A	SUMMARY	
2000	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	∞ Time (Min.)	Pressure (psig) (Temp A (deg F)	Annotation	
1750	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	Time	Pressure (psig) (1956.51	Temp A (deg F) 109.60 Init		
2000	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 30 1 30 31	Pressure (psig) (1956.51 37.66 171.23	Temp A (deg F) 109.60 Init 108.91 Op 120.55 Sh	Annotation tial Hydro-static ben To Flow (1) tut-ln(1)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 0 0 1 0 31 91	Pressure (psig) (1956.51 37.66 171.23 631.87	Temp A (deg F) 109.60 Init 108.91 Op 120.55 Sh 117.89 En	Annotation tial Hydro-static ben To Flow (1) tut-ln(1) d Shut-ln(1)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 20 1 20 31 20 91 20 91 20 121	Pressure (psig) (1956.51 37.66 (171.23 631.87 (176.84 ((Temp A (deg F) 109.60 Init 108.91 Op 120.55 Sh 117.89 En	Annotation tial Hydro-static ben To Flow (1) tut-ln(1) d Shut-ln(1) ben To Flow (2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 0 10 1 20 1 20 1 20 1 20 1 20 1 20 1 20	Pressure (psig) (r 1956.51 37.66 171.23 631.87 176.84 236.59 584.38 584.38 584.38	Temp A (deg F) 109.60 Init 109.50 Init 108.91 Op 120.55 Sh 117.89 En 118.05 Op 121.80 Sh 121.80 Sh En 119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	Time (Min.) 0 1 0 1 0 1 0 1 0 1 1 1 21 1 21 1 21 1	Pressure (psig) (r 1956.51 37.66 171.23 631.87 176.84 236.59 584.38 584.38 584.38	Temp A (deg F) 109.60 Init 109.50 Init 108.91 Op 120.55 Sh 117.89 En 118.05 Op 121.80 Sh 121.80 Sh En 119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2)	
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200	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti 7 8 Presure 1	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure (psig) (r 1956.51 37.66 171.23 631.87 176.84 236.59 584.38 584.38 584.38	Temp A (deg F) 109.60 Init 109.61 Init 1120.55 Sh 117.89 En 118.05 Op 121.80 Sh 119.40 En 117.54 Fin Fin Gas R	Annotation tial Hydro-static pen To Flow (1) uut-ln(1) d Shut-ln(1) pen To Flow (2) nut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mcf/d)
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Printed: 2013.04.16 @ 09:03:20

RILOBITE	DRILL STEM T	ESI KEP	UKI		
	Great Plains Energy Inc.		31-9s-2	4w Graham,K	S
TESTING, INC	6121 S 58th St. STE B Lincoln, NE 68516			1 g #1-31 et: 51158	DST#: 2
	ATTN: Larry Nicholson/ Da	n		rt: 2013.04.05 @	
GENERAL INFORMATION:	L				
Formation: LKC "B" Deviated: No Whipstock: Time Tool Opened: 15:46:15 Time Test Ended: 20:59:00	ft (KB)		Test Typ Tester: Unit No:	e: Conventional James Winde 57	Bottom Hole (Reset) r
Interval: 3881.00 ft (KB) To 3 Total Depth: 3900.00 ft (KB) (T Hole Diameter: 7.88 inchesHol			Referenc	ce Elevations: KB to GR/CF:	2541.00 ft (KB) 2536.00 ft (CF) 5.00 ft
Serial #: 6719 Inside					d við Maði kaldan Ursana (1799) - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -
Press@RunDepth: 222.11 psig Start Date: 2013.04.05 Start Time: 13:30:05	@ 3882.00 ft (KB)End Date:End Time:	2013.04.05 20:58:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2013.04.05 @	
Pressure vs.			PRES	SURE SUMMA	ARY
Pressure vs. (7 S Pressure 2000	Time 079 Terperture	Time	Pressure Te	mp Annotation	
CTS Pressure		125 Time 120 (Min.) 115 0	Pressure Te (psig) (de		n
200 078 Presson 778 0		120 (Min.) 115 0 110 1	Pressure Te (psig) (de 1994.76 10 31.57 10	mp Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo	n -static
		120 (Min.) 115 O 110 1 125 31	Pressure Te (psig) (de 1994.76 10 31.57 10 171.21 12	mp Annotation eg F) 44.12 Initial Hydro 44.02 Open To Flo 11.79 Shut-In(1)	n -static ow (1)
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	DRILL STEM T	EST REP	ORT			
RILOBITE	Great Plains Energy Inc.		31-9s-24w	Graham,I	KS	
ESTING , INC.	6121 S 58th St. STE B Lincoln, NE 68516		Dreiling #			
	ATTN: Larry Nicholson/ Da	an	Job Ticket: 5 Test Start: 2		DST#: 3	
					, 10.70.00	
GENERAL INFORMATION: Formation: LKC "C"						
Formation: LKC "C" Deviated: No Whipstock: Time Tool Opened: 15:19:15 Time Test Ended: 20:12:30	ft (KB)		Tester:	Conventiona James Wind 57	al Bottom Hole (Re er	set)
Interval: 3901.00 ft (KB) To 391 Total Depth: 3914.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Reference E	evations: to GR/CF:	2541.00 ft (K 2536.00 ft (C 5.00 ft	
			ND		5.00 ft	
Serial #:8320OutsidePress@RunDepth:psig @Start Date:2013.04.06Start Time:13:15:05	3902.00 ft (KB) End Date: End Time:	2013.04.06 20:11:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.04.06	
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow	No blow back back					
30 - FF: No blow 60 - FSI: No blow	No blow back back		225001			~~~~
60 - ISI: Bled off, 30 - FF: No blow	No blow back back	- 110 (Min.) - 103 - 103	PRESSUF Pressure Temp (psig) (deg F)	RE SUMM, Annotatic		
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. Th ccol Pressure 200 200 200 200	No blow back back me	- 110 (Min.) - 105	Pressure Temp	,		
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The Pressure vs. The Color Pressure vs. The Co	No blow back back me	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp	,		
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60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The contract of the sure contract of the sure	No blow back back me COD Temperate GPM Volume (bbl)	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio		Mcf/c
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The contract of Pressure contract of Pressure	No blow back back me COD Temperate GPM Volume (bbl)	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio	n 	Mcf/c
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The control of the server control of the s	No blow back back me COD Temperate GPM Volume (bbl)	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio	n 	Mcf/d

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RILOBITE	DRILL STEM TE	ST REP	ORI	
	Great Plains Energy Inc.		31-9s-2	4w Graham,KS
TESTING , INC	6121 S 58th St. STE B Lincoln, NE 68516			g #1-31 et: 51160 DST#:4
	ATTN: Larry Nicholson/Dan			rt: 2013.04.07 @ 04:17:00
GENERAL INFORMATION:	,			
Formation: LKC "D - F" Deviated: No Whipstock: Time Tool Opened: 06:09:15	ft (KB)		Test Typ Tester:	e: Conventional Bottom Hole (Reset) James Winder
Time Test Ended: 12:11:15			Unit No:	57
Interval:3913.00 ft (KB) To39Total Depth:3953.00 ft (KB) (TVHole Diameter:7.88 inchesHole	(D)		Referenc	See Elevations: 2541.00 ft (KB) 2536.00 ft (CF) KB to GR/CF: 5.00 ft
Serial #: 6719 Inside			••••	
Press@RunDepth: 141.91 psig (Start Date: 2013.04.07) Start Time: 04:17:05)	@ 3914.00 ft (KB) End Date: End Time:	2013.04.07 12:11:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2013.04.07 2013.04.07 @ 06:09:00 2013.04.07 @ 09:58:45
90 - FSI: Bled off,				
Pressure vs. Ti		Time		SURE SUMMARY
Pressure vs. Ti	mə	Time (Min.)	Pressure Ter (psig) (der	mp Annotation g F)
Pressure vs. Ti T 674 Presure	me 579 TEL 579 Temperaute	(Min.) 0	Pressure Ter (psig) (der 2019.05 10	mp Annotation g F) 3.62 Initial Hydro-static
2000 Pressure vs. Ti	DD2 07 9 Temperature 10 Meterature 10 Meterature 115 115 115 115 115 115 115 11	(Min.)	Pressure Term (psig) (deg 2019.05 103 19.66 103	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1)
200 Fressure vs. Ti	me 579 Temperature 179 Networks 170 Netwo	(Min.) 0 1 31 92	Pressure Term (psig) (deg 2019.05 103 19.66 103 105.43 103 619.37 11	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1)
Pressure vs. Ti 570 Presure 770 770 770 770 770 770 770 77	DD2 279 Temperature 79 Metersent 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 31 92 92	Pressure Term (psig) (deg 2019.05 100 19.66 100 105.43 100 619.37 11 107.33 110	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1) 0.75 Open To Flow (2)
Pressure vs. Ti 5'10 Presure 1'10 Presure	DD2 279 Temperature 79 Metersent 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	(Min.) 0 1 31 92	Pressure Ten (psig) (deg 2019.05 103 19.66 103 105.43 103 619.37 111 107.33 110 141.91 114	mpAnnotationg F)3.623.62Initial Hydro-static3.34Open To Flow (1)8.27Shut-In(1)1.07End Shut-In(1)0.75Open To Flow (2)4.58Shut-In(2)
Pressure vs. Ti	DD2 279 Temperature 79 Metersent 115 110 110 110 100 100 100 100	(Min.) 0 1 31 92 92 137	Pressure Term (psig) (deg 2019.05 100 19.66 100 105.43 100 619.37 110 107.33 110 141.91 114 614.83 116	mpAnnotationg F)3.62Initial Hydro-static3.34Open To Flow (1)8.27Shut-In(1)1.07End Shut-In(1)0.75Open To Flow (2)4.58Shut-In(2)
Pressure vs. Ti 575 Presure 1 38 Advanter 1 38 A	TD2 579 Temperature 115 115 115 115 115 115 115 11	(Min.) 0 1 31 92 92 137 229	Pressure Term (psig) (deg 2019.05 100 19.66 100 105.43 100 619.37 110 107.33 110 141.91 114 614.83 116	mpAnnotationg F)3.62Initial Hydro-static3.34Open To Flow (1)3.27Shut-In(1)1.07End Shut-In(1)0.75Open To Flow (2)4.58Shut-In(2)5.91End Shut-In(2)5.90Final Hydro-static
Pressure vs. The C D Penne To D Penne T	TD2 579 Temperature 115 115 115 115 115 115 115 11	(Min.) 0 1 31 92 92 137 229	Pressure (psig) Ten (den (den 2019.05) 2019.05 103 19.66 103 105.43 103 619.37 111 107.33 110 141.91 114 614.83 116 1905.06 115	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1) 0.75 Open To Flow (2) 4.58 Shut-In(2) 5.91 End Shut-In(2)
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Pressure vs. The	лле 99 Теприядия 115 110 110 110 110 110 110 110	(Min.) 0 1 31 92 92 137 229	Pressure (psig) Ten (den (den 2019.05) 2019.05 103 19.66 103 105.43 103 619.37 111 107.33 110 141.91 114 614.83 116 1905.06 115	Mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1) 0.75 Open To Flow (2) 4.58 Shut-In(2) 5.91 End Shut-In(2) 5.90 Final Hydro-static
Pressure vs. The Pressure vs.	лле 99 Теприядия 115 110 110 110 110 110 110 110	(Min.) 0 1 31 92 92 137 229	Pressure (psig) Ten (den (den 2019.05) 2019.05 103 19.66 103 105.43 103 619.37 111 107.33 110 141.91 114 614.83 116 1905.06 115	Mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1) 0.75 Open To Flow (2) 4.58 Shut-In(2) 5.91 End Shut-In(2) 5.90 Final Hydro-static

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() RILOBITE +	Great Plains Energy Inc.	na a service a la cara a paga a paga Reserve	31-9s-24w G	raham,KS
RILOBITE ESTING, INC.	6121 S 58th St. STE B Lincoln, NE 68516		Dreiling #1-3 Job Ticket: 511	31
	ATTN: Larry Nicholson/ D)an		3.04.07 @ 17:55:00
GENERAL INFORMATION:				
Formation: LKC "G" Deviated: No Whipstock: Time Tool Opened: 20:13:30 Time Test Ended: 01:01:15	ft (KB)		Tester: Ja Unit No: 5	
Interval: 3952.00 ft (KB) To 39 Total Depth: 3965.00 ft (KB) (The Hole Diameter: 7.88 inchesHole	9 65.00 ft (KB) (TVD) VD) e Condition: Fair		Reference Elev KB to	vations: 2541.00 ft (KB) 2536.00 ft (CF) 0 GR/CF: 5.00 ft
Serial #:8320OutsidePress@RunDepth:psigStart Date:2013.04.07Start Time:17:55:05	End Date:	2013.04.08 01:00:44	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2013.04.08
60 - FSI: No blo	wback			
Pressure vs.	Time	Time		RE SUMMARY
Pressure vs.		115 Time 110 (Min.)	PRESSUF Pressure Temp (psig) (deg F)	RE SUMMARY Annotation
Pressure vs.	Time	110 (Min.) 110 co	Pressure Temp	
200 500 Pressure vs. 500 Pre	Time	(Min.)	Pressure Temp	and the second
Pressure vs.	Time S2D Temperates	110 (Min.) 110 (Min.) 110 0 110 0	Pressure Temp	and the second
Pressure vs.	Time SCD Temperate Any Angel State S	110 (Min.) 110 Too 100 Too	Pressure Temp (psig) (deg F)	
Pressure vs.	Time SCD Temperate Any Angel State S	110 (Min.) 100 100 100 100 100 100 100 10	Pressure Temp (psig) (deg F)	Annotation as Rates
Pressure vs.	Time SCD Temperate Anny B Mon	110 (Min.) 100 100 100 100 100 100 100 10	Pressure Temp (psig) (deg F)	Annotation as Rates
Pressure vs.	Time SCD Temperate Anni B Man Volume (bbl)	110 (Min.) 100 100 100 100 100 100 100 10	Pressure Temp (psig) (deg F)	Annotation as Rates

Table 1

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RILOBITE	DRILL STEM TE	ST REP	ORT				
	Great Plains Energy Inc.		31-9	s-24w (Graham,KS		
ESTING , INC	6121 S 58th St. STE B Lincoln, NE 68516			iling #1 Ficket: 51		DST#:6	
	ATTN: Larry Nicholson/ Dan				13.04.08 @ 11		
GENERAL INFORMATION:			1990				
Formation: LKC "H - J"							
Deviated: No Whipstock: Time Tool Opened: 13:43:15 Time Test Ended: 19:24:00	ft (KB)		Test Teste Unit N	er: J	Conventional B ames Winder 7	ottom Hole	
Interval: 3968.00 ft (KB) To 405 Total Depth: 4053.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refer	rence Ele [.] KB to		2541.00 2536.00 5.00	ft (CF)
Serial #: 6719 Inside							
Press@RunDepth: 39.11 psig @ Start Date: 2013.04.08 Start Time: 11:51:05	3969.00 ft (KB) End Date: End Time:	2013.04.08 19:23:59	Capacity: Last Calib. Time On B Time Off B	tm: 2			psig
EST COMMENT: 30 - IF: Weak blow 60 - ISI: Bled off, I 45 - FF: Weak blov 90 - FSI: No blow blow	No blow back w , built to 1/4" then slow ly died b	back, dead at	35 min.				
Pressure vs. Tir	ne		PRI	ESSURI	E SUMMAR	Y	
2200 Pressure vs. Tir	07 9 Tomperature 07 9 Tomperature 10 10	Time (Min.) 0	Pressure (psig) 2109.49	Temp (deg F) 109.04	Annotation Initial Hydro-st	atic	
2000	ne 6719 Temperture 113 115 110 100	(Min.) 0 1 31	Pressure (psig) 2109.49 21.86 30.48	Temp (deg F) 109.04 108.85 109.24	Annotation Initial Hydro-st Open To Flow Shut-In(1)	atic (1)	
220	ne 6719 femperature 115 110 100 100 100 100 100 100 100 100	(Min.) 0 1 31 91	Pressure (psig) 2109.49 21.86	Temp (deg F) 109.04 108.85 109.24 111.32	Annotation Initial Hydro-st Open To Flow	atic (1)	
Pressure vs. Tir 270 0717 Presure 270 070 071 071 071 071 071 071 071 071 0	07/10 Temperture 07/10 Temperture 115 10 10 10 10 00 00 00 00 00 00	(Min.) 0 1 31 91 91 134	Pressure (psig) 2109.49 21.86 30.48 589.04 31.04 39.11	Temp (deg F) 109.04 108.85 109.24 111.32 111.41 112.52	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2)	atic (1) (2)	
Pressure vs. The 200 100 10	0719 Targerture 0719 Targerture 115 10 10 10 00 00 00 00 00 00 00	(Min.) 0 1 31 91 91	Pressure (psig) 2109.49 21.86 30.48 589.04 31.04	Temp (deg F) 109.04 108.85 109.24 111.32 111.41 112.52 114.78	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow	atic (1) (2)	
Pressure vs. The CONTRACTOR	Die Die Die Temperates Die T	(Min.) 0 1 31 91 134 231	Pressure (psig) 2109.49 21.86 30.48 589.04 31.04 39.11 497.02	Temp (deg F) 109.04 108.85 109.24 111.32 111.41 112.52 114.78 113.52	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2)	atic (1) (2)	
Pressure vs. The Transformation of the second of the seco	De D'O Temperare 0'O Temperare 0	(Min.) 0 1 31 91 134 231	Pressure (psig) 2109.49 21.86 30.48 589.04 31.04 39.11 497.02	Temp (deg F) 109.04 108.85 109.24 111.32 111.41 112.52 114.78 113.52	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-sta	atic (1) (2) atic	Rate (Mcf/d)
Pressure vs. The 200 100 100 100 100 100 100 100	Drift Temperature 0/10 Temper	(Min.) 0 1 31 91 134 231	Pressure (psig) 2109.49 21.86 30.48 589.04 31.04 39.11 497.02	Temp (deg F) 109.04 108.85 109.24 111.32 111.41 112.52 114.78 113.52 Gas	Annotation Initial Hydro-st Open To Flow Shut-In(1) End Shut-In(1) Open To Flow Shut-In(2) End Shut-In(2) Final Hydro-sta	atic (1) (2) atic	Rate (Mcf/d)

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RILOBITE	Great Plains Energy Inc.				
TESTING, INC.				24w Graham	,85
	6121 S 58th St. STE B Lincoln, NE 68516			ng #1-31 ket: 51163	DST#:7
	ATTN: Larry Nicholson/Dan			art: 2013.04.09 (
GENERAL INFORMATION:					17 - 5 m/8 - 1962
Formation: LKC "K" Deviated: No Whipstock: Time Tool Opened: 04:39:30 Time Test Ended: 09:47:30	ft (KB)		Test Ty Tester: Unit No	James Win	nal Bottom Hole (Reset) der
Interval: 4056.00 ft (KB) To 408 Total Depth: 4081.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refere	nce Elevations: KB to GR/CF:	2541.00 ft (KB) 2536.00 ft (CF) 5.00 ft
Serial #: 8320 Outside Press@RunDepth: psig (Start Date: 2013.04.09	2 4057.00 ft (KB) End Date:	2013.04.09	Capacity: Last Calib.:		8000.00 psig 2013.04.09
Start Time: 02:47:05	End Time:	09:45:59	Time On Btm Time Off Btn		2013.04.09
Pressure vs. Ti 5020 Pressure	nne	Time		SSURE SUMN emp Annotat	
		(Min.)	Pressure T		
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250 0 100 Apr 2019 3AM Time (Four) Recovery	90M			Gas Rates	
250 0 0 3/M SAM Time (Hous)	3				ure (psig) Gas Rate (Mcf/d)

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REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092		SERVI	CE PUINT:	a ks
DATE 4-10-13 SEC. 31 TWP. 9 RANGE 24	CALLED OUT	ONLOCATION	HOO Cons	JOB FINISH
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ULK TRUCK		6	<u> </u>	
DRIVER	HANDLING &	36.28 873	a 2.4/8	58592
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REMARKS:			TOTAL	5661,84
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o: Allied Oil & Gas Services, LLC.	na anna an Anna an Anna an Anna. Anna		@ @	
ou are hereby requested to rent cementing equipment			ي م	182.64
nd furnish cementer and helper(s) to assist owner or on ontractor to do work as is listed. The above work was				<u></u>
one to satisfaction and supervision of owner agent or			TOTAL	107.64
ontractor. I have read and understand the "GENERAL				
ERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (II		007	<u> </u>
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(On T	RILOBITE	DRILL STEM TE	EST REP	ORI			
新生 L		Great Plains Energy Inc.		31-9s	s-24w Gra	aham,KS	
	ESTING , INC	6121 S 58th St. STE B Lincoln, NE 68516			l <b>ing #1-31</b> cket: 51157		<b>[</b> #:1
		ATTN: Larry Nicholson/ Dar	1 1			04.04 @ 20:24:0	
		ar a 11 a an a				<b>.</b>	
GENERAL INF	Toronto - LKC "A"						
Deviated: Time Tool Opened Time Test Ended:	No Whipstock: d: 22:36:45	ft (KB)		Test T Tester	r: Jam	ventional Bottom es Winder	ı Hole (Initial)
				Unit No			
nterval: 3 Total Depth:	832.00 ft (KB) To 38 3880.00 ft (KB) (TV	80.00 ft (KB) (TVD) /D)		Refere	ence Elevat		.00 ft (KB) .00 ft (CF)
lole Diameter:	7.88 inchesHole				KB to G		.00 ft
Serial #: 6719 Press@RunDepth Start Date: Start Time: FEST COMME	n: 236.59 psig 2013.04.04 20:24:05 :NT: 30 - IF: Blow built	End Date: End Time: t to BOB (11'') in 10 min.	2013.04.05 03:53:44	Capacity: Last Calib.: Time On Btr Time Off Bt	m: 2013	8000 2013.04 3.04.04 @ 22:36 3.04.05 @ 01:38	:30
<u></u>	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ine		PRE	ESSURE	SUMMARY	
E	30 - FF: Blow bui 60 - FSI: Bled off	ilt to BOB in 21 min. , No blow back	Time	Pressure	Temp A	SUMMARY	
2000	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	∞ Time (Min.)	Pressure (psig) (	Temp A (deg F)	Annotation	
1750	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	Time	Pressure (psig) ( 1956.51	Temp A (deg F) 109.60 Init		
2000	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 30 1 30 31	Pressure (psig) ( 1956.51 37.66 171.23	Temp A (deg F) 109.60 Init 108.91 Op 120.55 Sh	Annotation tial Hydro-static ben To Flow (1) tut-ln(1)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 0 0 1 0 31 91	Pressure (psig) ( 1956.51 37.66 171.23 631.87	Temp         A           (deg F)         109.60         Init           108.91         Op           120.55         Sh           117.89         En	Annotation tial Hydro-static ben To Flow (1) tut-ln(1) d Shut-ln(1)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 20 1 20 31 20 91 20 91 20 121	Pressure         (psig)         (           1956.51         37.66         (           171.23         631.87         (           176.84         (         (	Temp         A           (deg F)         109.60         Init           108.91         Op           120.55         Sh           117.89         En	Annotation tial Hydro-static ben To Flow (1) tut-ln(1) d Shut-ln(1) ben To Flow (2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 0 10 1 20 1 20 1 20 1 20 1 20 1 20 1 20	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	Time (Min.) 0 1 0 1 0 1 0 1 0 1 0 1 1 21 1 21 1 21	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Tr or means	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti of Pressure vs. T	ilt to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Tr or means	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2)	
	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti CONTENT	ilt to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.50         Init         108.91         Op           120.55         Sh         117.89         En           118.05         Op         121.80         Sh           121.80         Sh         En         119.40	Annotation tial Hydro-static ben To Flow (1) iut-In(1) d Shut-In(1) ben To Flow (2) iut-In(2) d Shut-In(2) hal Hydro-static	
	30 - FF: Blow bui 60 - FSI: Bled off	ilt to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           108.91         Op           120.55         Sh           117.89         En           118.05         Op           121.80         Sh           117.54         Fin	Annotation tial Hydro-static pen To Flow (1) uut-ln(1) d Shut-ln(1) pen To Flow (2) nut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mcf/d)
200	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti 7 8 Presure 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ilt to BOB in 21 min. , No blow back	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.61         Init         1120.55         Sh           117.89         En         118.05         Op           121.80         Sh         119.40         En           117.54         Fin         Fin           Gas         R	Annotation tial Hydro-static pen To Flow (1) uut-ln(1) d Shut-ln(1) pen To Flow (2) nut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mcf/d)
200 200 200 200 200 200 200 200	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Tr Pressure	ilit to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.61         Init         1120.55         Sh           117.89         En         118.05         Op           121.80         Sh         119.40         En           117.54         Fin         Fin           Gas         R	Annotation tial Hydro-static pen To Flow (1) uut-ln(1) d Shut-ln(1) pen To Flow (2) nut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mcf/d)
200 200 200 200 200 200 200 200	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti Pressure	ilt to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.61         Init         1120.55         Sh           117.89         En         118.05         Op           121.80         Sh         119.40         En           117.54         Fin         Fin           Gas         R	Annotation tial Hydro-static pen To Flow (1) uut-ln(1) d Shut-ln(1) pen To Flow (2) nut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mcf/d)
200 200 200 200 200 200 200 200 200 200	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Tr Pressure	ilit to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.61         Init         1120.55         Sh           117.89         En         118.05         Op           121.80         Sh         119.40         En           117.54         Fin         Fin           Gas         R	Annotation tial Hydro-static pen To Flow (1) uut-ln(1) d Shut-ln(1) pen To Flow (2) nut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mcf/d)
200 200 200 200 200 200 200 200	30 - FF: Blow bui 60 - FSI: Bled off Pressure vs. Ti Pressure	ilt to BOB in 21 min. , No blow back ime	20 Time (Min.) 00 1 20 31 91 91 91 91 91 91 91 91 91 91 91 91 91	Pressure         (psig)         (r           1956.51         37.66         171.23           631.87         176.84         236.59           584.38         584.38         584.38	Temp         A           (deg F)         109.60         Init           109.61         Init         1120.55         Sh           117.89         En         118.05         Op           121.80         Sh         119.40         En           117.54         Fin         Fin           Gas         R	Annotation tial Hydro-static pen To Flow (1) tut-ln(1) d Shut-ln(1) pen To Flow (2) tut-ln(2) d Shut-ln(2) nal Hydro-static	Gas Rate (Mct/d)

Printed: 2013.04.16 @ 09:03:20

RILOBITE	DRILL STEM T	ESI KEP	UKI		
	Great Plains Energy Inc.		31-9s-2	4w Graham,K	S
TESTING, INC	6121 S 58th St. STE B Lincoln, NE 68516			1 <b>g #1-31</b> et: 51158	DST#: 2
	ATTN: Larry Nicholson/ Da	n		rt: 2013.04.05 @	
GENERAL INFORMATION:	L				
Formation: LKC "B" Deviated: No Whipstock: Time Tool Opened: 15:46:15 Time Test Ended: 20:59:00	ft (KB)		Test Typ Tester: Unit No:	e: Conventional James Winde 57	Bottom Hole (Reset) r
Interval: 3881.00 ft (KB) To 3 Total Depth: 3900.00 ft (KB) (T Hole Diameter: 7.88 inchesHol			Referenc	ce Elevations: KB to GR/CF:	2541.00 ft (KB) 2536.00 ft (CF) 5.00 ft
Serial #: 6719 Inside					a waawaa aa ahaa dhaan dhaan ahaa ahaa ahaa ah
Press@RunDepth:         222.11 psig           Start Date:         2013.04.05           Start Time:         13:30:05	<ul><li>@ 3882.00 ft (KB)</li><li>End Date:</li><li>End Time:</li></ul>	2013.04.05 20:58:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:	2013.04.05 @	
Pressure vs.			PRES	SURE SUMMA	ARY
Pressure vs. (7 S Pressure 2000	Time 079 Terperture	Time	Pressure Te	mp Annotation	
CTS Pressure		125 Time 120 (Min.) 115 0	Pressure Te (psig) (de		n
200 078 Presson 770 0		120 (Min.) 115 0 110 1	Pressure         Te           (psig)         (de           1994.76         10           31.57         10	mp Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo	n -static
		120 (Min.) 115 O 110 1 125 31	Pressure         Te           (psig)         (de           1994.76         10           31.57         10           171.21         12	mp Annotation eg F) 44.12 Initial Hydro 44.02 Open To Flo 11.79 Shut-In(1)	n -static ow (1)
200 775 Presun 770 900 100 100 100 100 100 100 10		120 (Min.) 115 0 110 1 123 31 120 90	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11	mp Annotation g F) 44.12 Initial Hydro 44.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In	n -static ow (1) (1)
750		(Min.) 115 0 110 1 125 31 120 90 120 91 120	Pressure (psig)         Te (de 1994.76           197.76         10           31.57         10           171.21         12           275.50         11           174.61         11	mp Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo	n -static ow (1) (1)
		™         (Min.)           ™         0           ™         1           ™         31           ™         90           ™         91           120         120           ™         180	Pressure (psig)         Te (de 1994.76           1994.76         10           31.57         10           171.21         12           275.50         11           174.61         11           222.11         12           275.87         12	mp Annotation eg F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In	-static bw (1) (1) (2) (2)
200 (75) 27 90 90 (75) 27 90 90 (75) 27 90 90 (75) 27 90 90 (75) 47 90		zzo         (Min.)           115         0           100         1           100         31           100         90           100         91           120         120           180         180	Pressure (psig)         Te (de 1994.76           1994.76         10           31.57         10           171.21         12           275.50         11           174.61         11           222.11         12           275.87         12	mp Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2)	-static bw (1) (1) (2) (2)
200 (75) 27 90 90 (75) 27 90 90 (75) 27 90 90 (75) 27 90 90 (75) 47 90		too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           1994.76         10           31.57         10           171.21         12           275.50         11           174.61         11           222.11         12           275.87         12	mp Annotation eg F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In	-static bw (1) (1) (2) (2)
200 75 Brease 200 75 Brease 200 75 Brease 200 75 Brease 200 75 Brease 200 200 200 200 200 200 200 20	Participants	too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11	mp Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro	n -static bw (1) (1) bw (2) (2) -static
200 775 B Presson 200 780 790 200 790 200 200 200 200 200 200 200 2	PT Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pressore Pre	too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11	Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro Gas Rates	n -static bw (1) (1) bw (2) (2) -static
200         775 Presson           200         775 Presson           200         100           200         100           200         100           200         100           200         100           200         100           200         100           200         200           200         200           200         200           200         200           200         200           200         200           200         200           200         200           200         200           200         200           200         200	руротике	too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11	Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro Gas Rates	n -static bw (1) (1) bw (2) (2) -static
200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200         200 <td>руротция Гал констан Гал констан Гал констан Гал констан Гал констан Сон Сон Сон Сон Сон Сон Сон Со</td> <td>too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182</td> <td>Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11</td> <td>Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro Gas Rates</td> <td>n -static bw (1) (1) bw (2) (2) -static</td>	руротция Гал констан Гал констан Гал констан Гал констан Гал констан Сон Сон Сон Сон Сон Сон Сон Со	too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11	Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro Gas Rates	n -static bw (1) (1) bw (2) (2) -static
Image: state of the present	руротике	too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11	Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro Gas Rates	n -static bw (1) (1) bw (2) (2) -static
Image: constraint of the present of the pre	руротция Гал констан Гал констан Гал констан Гал констан Гал констан Сон Сон Сон Сон Сон Сон Сон Со	too         (Min.)           115         0           116         1           100         1           100         90           100         90           100         120           1100         180           1100         182	Pressure (psig)         Te (de 1994.76           10         31.57         10           171.21         12         275.50         11           174.61         11         222.11         12           275.87         12         1962.78         11	Annotation g F) 4.12 Initial Hydro 4.02 Open To Flo 1.79 Shut-In(1) 9.05 End Shut-In 9.13 Open To Flo 2.90 Shut-In(2) 0.69 End Shut-In 9.26 Final Hydro Gas Rates	n -static bw (1) (1) (1) bw (2) (2) -static

	DRILL STEM T	EST REP	ORT			
RILOBITE	Great Plains Energy Inc.		31-9s-24w	Graham,I	KS	
ESTING , INC.	6121 S 58th St. STE B Lincoln, NE 68516		Dreiling #			
	ATTN: Larry Nicholson/ Da	an				
					, 10, 70,00	
GENERAL INFORMATION: Formation: LKC "C"						
Formation: LKC "C" Deviated: No Whipstock: Time Tool Opened: 15:19:15 Time Test Ended: 20:12:30	ft (KB)		Tester:	James Wind		set)
Interval:     3901.00 ft (KB) To     391       Total Depth:     3914.00 ft (KB) (TV       Hole Diameter:     7.88 inchesHole	D)		Reference E		2536.00 ft (C	
			ND		5.00 ft	
Serial #:8320OutsidePress@RunDepth:psig @Start Date:2013.04.06Start Time:13:15:05	3902.00 ft (KB) End Date: End Time:	2013.04.06 20:11:59	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2013.04.06	
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow	No blow back back					
30 - FF: No blow 60 - FSI: No blow	No blow back back		225001			~~~~
60 - ISI: Bled off, 30 - FF: No blow	No blow back back	- 110 (Min.) - 103 - 103	PRESSUF Pressure Temp (psig) (deg F)	,		
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. Th ccol Pressure 200 200 200 200	No blow back back me	- 110 (Min.) - 105	Pressure Temp	,		
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The Pressure vs. The Color Pressure vs. The Co	No blow back back me	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp	51159         DST#: 3           2013.04.06 @ 13:15:00           Conventional Bottom Hole (Reservance)           James Winder           57           Elevations:         2541.00 ft (KB)           2536.00 ft (CF)           B to GR/CF:         5.00 ft           8000.00 psig           2013.04.06		
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The cool of the sure cool of the sure co	No blow back back me exponence epidemic and a second secon	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio	n 	
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The contract of the sure contract of the sure	No blow back back me COD Temperate GPM Volume (bbl)	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio	n 	Mcf/c
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The contract of Pressure contract of Pressure	No blow back back me COD Temperate GPM Volume (bbl)	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio	n 	Mcf/c
60 - ISI: Bled off, 30 - FF: No blow 60 - FSI: No blow Pressure vs. The control of the server control of the s	No blow back back me COD Temperate GPM Volume (bbl)	. 110 (Min.) - 105 - 100 - 65 - 60 - 65 - 60 - 65 - 65 - 60 - 65 - 60 - 65 - 60 - 65 - 65 - 65 - 65 - 65 - 65 - 65 - 65	Pressure Temp (psig) (deg F)	Annotatio	n 	Mcf/d

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RILOBITE	DRILL STEM TE	ST REP	ORI	
	Great Plains Energy Inc.		31-9s-2	4w Graham,KS
TESTING , INC	6121 S 58th St. STE B Lincoln, NE 68516			<b>g #1-31</b> et: 51160 DST#:4
	ATTN: Larry Nicholson/Dan			rt: 2013.04.07 @ 04:17:00
GENERAL INFORMATION:	,			
Formation: LKC "D - F" Deviated: No Whipstock: Time Tool Opened: 06:09:15	ft (KB)		Test Typ Tester:	e: Conventional Bottom Hole (Reset) James Winder
Time Test Ended: 12:11:15			Unit No:	57
Interval:3913.00 ft (KB) To39Total Depth:3953.00 ft (KB) (TVHole Diameter:7.88 inchesHole	(D)		Referenc	See Elevations:         2541.00         ft (KB)           2536.00         ft (CF)           KB to GR/CF:         5.00         ft
Serial #: 6719 Inside			••••	
Press@RunDepth:         141.91 psig         (           Start Date:         2013.04.07         )           Start Time:         04:17:05         )	@ 3914.00 ft (KB) End Date: End Time:	2013.04.07 12:11:14	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2013.04.07 2013.04.07 @ 06:09:00 2013.04.07 @ 09:58:45
90 - FSI: Bled off,				
Pressure vs. Ti		Time		SURE SUMMARY
Pressure vs. Ti	mə	Time (Min.)	Pressure Ter (psig) (der	mp Annotation g F)
Pressure vs. Ti T 674 Presure	me 579 TEL 579 Temperaute	(Min.) 0	Pressure Ter (psig) (der 2019.05 10	mp Annotation g F) 3.62 Initial Hydro-static
2000 Pressure vs. Ti	DD2 07 9 Temperature 10 Meterature 10 Meterature 115 115 115 115 115 115 115 11	(Min.)	Pressure         Term           (psig)         (deg           2019.05         103           19.66         103	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1)
200 Fressure vs. Ti	me 579 Temperature 179 Networks 170 Netwo	(Min.) 0 1 31 92	Pressure         Term           (psig)         (deg           2019.05         103           19.66         103           105.43         103           619.37         11	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1)
Pressure vs. Ti 570 Presure 770 770 770 770 770 770 770 77	DD2 279 Temperature 710 Newsee 115 110 110 110 110 100 100 100 100 100	(Min.) 0 1 31 92 92	Pressure         Term           (psig)         (deg           2019.05         100           19.66         100           105.43         100           619.37         11           107.33         110	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1) 0.75 Open To Flow (2)
Pressure vs. Ti 5'10 Presure 1'10 Presure	DD2 279 Temperature 710 Newsee 115 110 110 110 110 100 100 100 100 100	(Min.) 0 1 31 92	Pressure         Ten           (psig)         (deg           2019.05         103           19.66         103           105.43         103           619.37         111           107.33         110           141.91         114	mpAnnotationg F)3.623.62Initial Hydro-static3.34Open To Flow (1)8.27Shut-In(1)1.07End Shut-In(1)0.75Open To Flow (2)4.58Shut-In(2)
Pressure vs. Ti	DD2 279 Temperature 79 Metersent 115 110 110 110 100 100 100 100	(Min.) 0 1 31 92 92 137	Pressure         Term           (psig)         (deg           2019.05         100           19.66         100           105.43         100           619.37         110           107.33         110           141.91         114           614.83         116	mpAnnotationg F)3.62Initial Hydro-static3.34Open To Flow (1)8.27Shut-In(1)1.07End Shut-In(1)0.75Open To Flow (2)4.58Shut-In(2)
Pressure vs. Ti 575 Presure 1 38 Advanter 1 38 A	TD2 579 Temperature 115 115 115 115 115 115 100 100	(Min.) 0 1 31 92 92 137 229	Pressure         Term           (psig)         (deg           2019.05         100           19.66         100           105.43         100           619.37         110           107.33         110           141.91         114           614.83         116	mpAnnotationg F)3.62Initial Hydro-static3.34Open To Flow (1)3.27Shut-In(1)1.07End Shut-In(1)0.75Open To Flow (2)4.58Shut-In(2)5.91End Shut-In(2)5.90Final Hydro-static
Pressure vs. The C D Penne C D	TD2 579 Temperature 115 115 115 115 115 115 100 100	(Min.) 0 1 31 92 92 137 229	Pressure (psig)         Ten (den (den 2019.05)           2019.05         103           19.66         103           105.43         103           619.37         111           107.33         110           141.91         114           614.83         116           1905.06         115	mp Annotation g F) 3.62 Initial Hydro-static 3.34 Open To Flow (1) 3.27 Shut-In(1) 1.07 End Shut-In(1) 0.75 Open To Flow (2) 4.58 Shut-In(2) 5.91 End Shut-In(2)
Pressure vs. The 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	лле 99 Теприядия 115 110 110 110 110 110 110 110	(Min.) 0 1 31 92 92 137 229	Pressure (psig)         Ten (den (den 2019.05)           2019.05         103           19.66         103           105.43         103           619.37         111           107.33         110           141.91         114           614.83         116           1905.06         115	mp       Annotation         g F)       3.62       Initial Hydro-static         3.34       Open To Flow (1)         3.27       Shut-In(1)         1.07       End Shut-In(1)         0.75       Open To Flow (2)         4.58       Shut-In(2)         5.91       End Shut-In(2)         5.90       Final Hydro-static
Pressure vs. The pressure vs.	лле 99 Теприядия 115 110 110 110 110 110 110 110	(Min.) 0 1 31 92 92 137 229	Pressure (psig)         Ten (den (den 2019.05)           2019.05         103           19.66         103           105.43         103           619.37         111           107.33         110           141.91         114           614.83         116           1905.06         115	mp       Annotation         g F)       3.62       Initial Hydro-static         3.34       Open To Flow (1)         3.27       Shut-In(1)         1.07       End Shut-In(1)         0.75       Open To Flow (2)         4.58       Shut-In(2)         5.91       End Shut-In(2)         5.90       Final Hydro-static
Pressure vs. The	лле 99 Теприядия 115 110 110 110 110 110 110 110	(Min.) 0 1 31 92 92 137 229	Pressure (psig)         Ten (den (den 2019.05)           2019.05         103           19.66         103           105.43         103           619.37         111           107.33         110           141.91         114           614.83         116           1905.06         115	mp       Annotation         g F)       3.62       Initial Hydro-static         3.34       Open To Flow (1)         3.27       Shut-In(1)         1.07       End Shut-In(1)         0.75       Open To Flow (2)         4.58       Shut-In(2)         5.91       End Shut-In(2)         5.90       Final Hydro-static
Pressure vs. The Pressure vs.	лле 99 Теприядия 115 110 110 110 110 110 110 110	(Min.) 0 1 31 92 92 137 229	Pressure (psig)         Ten (den (den 2019.05)           2019.05         103           19.66         103           105.43         103           619.37         111           107.33         110           141.91         114           614.83         116           1905.06         115	mp       Annotation         g F)       3.62       Initial Hydro-static         3.34       Open To Flow (1)         3.27       Shut-In(1)         1.07       End Shut-In(1)         0.75       Open To Flow (2)         4.58       Shut-In(2)         5.91       End Shut-In(2)         5.90       Final Hydro-static

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Formation: LKC "G" Deviate: No Whipstock: ft (KB) Time Tool Opened: 20:13:30 Interval: 3952.00 ft (KB) To 3965.00 ft (KB) (TVD) Total Depth: 3965.00 ft (KB) (TVD) Hole Diameter: 7.88 inchesHole Condition: Fair Serial #: 8320 Dutside Press@RunDepth: 2013.04.07 End Date: 2013.04.08 Start Date: 2013.04.07 End Date: 2013.04.08 Start Time: 17:55:05 End Time: 01:00:44 Time Off Btm: TEST COMMENT: 30 - IF: Weak blow built to 1/16" then died off 60 - ISI: No blow back 30 - FI: No blow back 30 - FI: No blow back 40 - FSI:		DRILL STEM TE	EST REPU	and the second	
Lincoln, NE 68516 ATTN: Larry Nicholson/Dan Test Start: 2013.04.07 @ 17.55.00 GENERAL INFORMATION: Formation: LKC 'G' Deviated: No Whipstock: ft (KB) The Tool Openation: 2013.03 Time Test Ended: 01:01:15 The Test Ended: 01:01:15 The Test Ended: 01:01:15 The Test Start: 2013.04.07 @ 17.55.00 Test Type: Conventional Bottom Hole (Resel) Test Type: Conventional Bottom Hole (Resel) The On Birn: The Off Birn: The Off Birn: The Off Birn: The Off Birn: The Off Birn: The Off Birn: The Construct Type: Conventional Bottom Hole (Resel) The Construct Type: Conventional Bottom Hole (Resel) The On Birn: The Off Birn: Th		Great Plains Energy Inc.		31-9s-24w Gra	ham,KS
GENERAL INFORMATION: Formation LKC "G" Deviated: No Whipstoch: ft (KB) Time Tool Opened: 20:13:30 Time Test Ended: 01:01:15 Interval: 3955.00 ft (KB) (TVD) Hole Diameter: 7.88 inches/Hole Condition: Fair Serial #: 8320 Dutside Press@PunDepth: psig @ 3953.00 ft (KB) Start Time: 77:55:05 End Time: 01:00:44 Start Time: 17:55:05 End Time: 01:00:44 Time On Bmr: TEST COMMENT: 30 - F: Weak blow built to 1/16" then died off 60 - Fish No blow back 30 - F: No blow back 30 - F: No blow back 10 - Fish No blow back 10 - Fis	ESTING , INC.			-	
Formation: LKC "G" Deviated: No Whipstock: ft (KB) Time Tool Opened: 20:13:30 Inter trats Ended: 01:01:15 Interval: 3955.00 ft (KB) To 3965.00 ft (KB) (TVD) Total Depth: 3965.00 ft (KB) (TVD) Total Depth: 7.86 inchesHole Condition: Fair Ferse @RunDepth: 2013.04.07 End Date: 2013.04.08 Start Date: 2013.04.07 End Date: 2013.04.08 Start Date: 2013.04.07 End Date: 2013.04.08 Start Time: 17:55.05 End Time: 01:00:44 Time Off Bitm TEST COMMENT: 30 - IF: Weak blow built to 1/16" then died off 60 - ISI: No blow back 30 - FF: No blow back 90 - FSI: No blow back 90 - FSI		ATTN: Larry Nicholson/Da	in	Test Start: 2013.0	)4.07 @ 17:55:00
Deviated: No Whipstock: ft (KB) Deviated: 20.13.30 Time Test Ended: 01.01.15 Ther val: 3952.00 ft (KB) To 3965.00 ft (KB) (TVD) Total Depth: 3965.00 ft (KB) (TVD) Total Depth: 7.88 inchesHole Condition: Fair Serial #: 8320 Outside Press@RunDepth: psig @ 3953.00 ft (KB) Start Date: 2013.04.07 Extra Time: 17:55.05 End Time: 01:00:44 Time On Bim: TEST COMMENT: 30 - FF: No blow 60 - FS: No blow back 90 - FS: No FS	GENERAL INFORMATION:				
Interval:       3952.00 ft (KB) To       3965.00 ft (KB) (TVD)       Reference Elevations:       2241.00 ft (KB)         Total Depth:       3965.00 ft (KB) (TVD)       233.00 ft (KB)       233.00 ft (KB)         Serial #:       8320       Outside       2395.30 ft (KB)       2395.30 ft (KB)         Serial #:       8320       Outside       2013.04.08       Capacity::       8000.00 psig         Start Date:       2013.04.07       End Date:       01:00.44       Time Off Btm:       2013.04.08         TEST COMMENT:       30 - FF: Weak blow buik to 1/16" then died off       60 - FSI: No blow back       Time off Btm:       Time off Btm:         Tessure vs. Time       Fersure vs. Time       Fersure vs. Time       Fersure vs. Time       Fersure vs. Time         Image: start Date:       0. FF: No blow       60 - FSI: No blow back       Time off Btm:       Time off Btm:         Tessure vs. Time       Fersure vs. Time       Time       Pressure (Min)       (fer gr p)       Annotation         Image: start Date:       0.00       Image: start Date:       0.00       Image: start Date:       0.00       Image: start Date:       2013.04.08         Tess Comment:       30 - FF: No blow       Image: start Date:       Image: start Date:       Image: start Date:       Image: start Date:       Image: st	Deviated: No Whipstock: Time Tool Opened: 20:13:30	ft (KB)		Tester: Jam	
Serial #: 8320       Outside         Press@RunDepth:       psig @: 3953.00 ft (KB)       Capacity::       8000.00 psig         Start Date:       2013.04.07       End Date:       2013.04.08       Last Calib.:       2013.04.08         Start Time:       17:55:05       End Time:       01:00:44       Time On Bith:       Time Off Bith:         TEST COMMENT:       30 - Ff: Weak blow buikt to 1/16" then died off 60 - SI: No blow back       30 - FF: No blow       Time Off Bith:         0       FF: No blow       60 - FF: No blow       Time Off Bith:       Pressure VF. Time         0       FF: No blow       60 - FF: No blow       Time Off Bith:         0       FF: No blow       60 - FF: No blow       Time Off Bith:         0       FF: No blow       Ff: No blow       Ff: No blow         0       FF: No blow       Ff: No blow       Ff: No blow         0       Ff: No blow       Ff: No blow       Ff: No blow         0       Ff: No blow       Ff: No blow       Ff: No blow         0       Ff: No blow       Ff: No blow       Ff: No blow         0       Ff: No blow       Ff: No blow       Ff: No blow         0       Ff: No blow       Ff: No blow       Ff: No blow         0       Ff: No	Interval:         3952.00 ft (KB) To         39           Total Depth:         3965.00 ft (KB) (T         3965.00 ft (KB) (T	VD)			2536.00 ft (CF)
60 - ISI: No blow back 30 - FSI: No blow back 10 - F	Press@RunDepth: psig Start Date: 2013.04.07	End Date:		Last Calib.: Time On Btm:	
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				DRESSURE	SUMMARY
rmodel     rmodel <td></td> <td>. Time</td> <td>Time</td> <td></td> <td></td>		. Time	Time		
Recovery     Gas Rates       Length (ft)     Description     Volume (bbl)	S302 Presure	. Time S2D Temperature	(Min.)	Pressure Temp	
Recovery     Gas Rates       Length (ft)     Description     Volume (bbl)	200 Freezen	. Time	(Min.)	Pressure Temp	
Image: second	200	. Time	(Min.) (Min.) (Min.) (Min.)	Pressure Temp	
7 Sin Apr/2019     Time (Meets)       Recovery     Gas Rates       Length (ft)     Description     Volume (bbl)       Choke (inches)     Pressure (psig)     Gas Rate (Meets)	200 900 700 700 700	. Time	(Min.) 10 10 10 10 10 10 10 10 10 10	Pressure Temp	
Length (ft)     Description     Volume (bbl)       Length (ft)     Description     0.00		. Time	(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp	
Length (ft)     Description     Volume (bbl)     Choke (inches)     Pressure (psig)     Gas read (mining)			(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp	
1.00         Mud 100%         0.00	200 900 200 700 200 700 700 700 700 7	SCO Temperature	(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp (psig) (deg F)	Annotation
	200 700 700 700 700 700 700 700	BEOD Temperature	(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp (psig) (deg F)	Annotation
	200 200 200 200 200 200 200 200	BEOD Temperature	(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp (psig) (deg F)	Annotation
	200 200 200 200 200 200 200 200	BEOD Temperature	(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp (psig) (deg F)	Annotation
	200 200 200 200 200 200 200 200	BEOD Temperature	(Min.) (Min.) (Min.) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0	Pressure Temp (psig) (deg F)	Annotation

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RILOBITE	DRILL STEM TE	ST REP	ORT			
	Great Plains Energy Inc.	<u></u>	31-95-	24w Graham,KS	S	
ESTING , INC.	6121 S 58th St. STE B Lincoln, NE 68516			<b>ng #1-31</b> «et: 51162	DST#:6	
	ATTN: Larry Nicholson/ Dan			art: 2013.04.08 @ 1		
GENERAL INFORMATION:				, _{1,2} 11,21.		
Formation: LKC "H - J"						
Deviated: No Whipstock: Fime Tool Opened: 13:43:15 Fime Test Ended: 19:24:00	ft (KB)		Test Ty Tester: Unit No:	James Winder		(Reset)
nterval: 3968.00 ft (KB) To 40 Total Depth: 4053.00 ft (KB) (The tole Diameter: 7.88 inches Hole			Referer	ice Elevations: KB to GR/CF:	2541.00 f	ft (CF)
					5.00 1	τ
Serial #:         6719         Inside           Press@RunDepth:         39.11 psig           Start Date:         2013.04.08           Start Time:         11:51:05	<ul> <li>3969.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2013.04.08 19:23:59	Capacity: Last Calib.: Time On Btm: Time Off Btm	2013.04.08 @		psig
EST COMMENT: 30 - IF: Weak blo 60 - ISI: Bled off, 45 - FF: Weak bl 90 - FSI: No blow	No blow back ow , built to 1/4" then slow ly died l	oack, dead at	35 min.			
Pressure vs. 1				SURE SUMMAR	٦Y	
220 07 10 Pressure 07 10 Pressure 1 min reference	1002 0719 Temperature 2719 Temperature 2110 Horstone 115	Time (Min.)	Pressure Te	emp Annotation	₹Y	
	67'8) Temperature 1 van doorster 1 van doorster 1 10	Time (Min.) 0	Pressure Te (psig) (de			
	019) Temperature 019) Temperature 110 110 110 100 100 100 100 10	(Min.) 0 1	Pressure         Te           (psig)         (de           2109.49         10           21.86         10	emp Annotation eg F) 09.04 Initial Hydro-s 08.85 Open To Flow	static	
	67'8) Temperature 1 van doorster 1 van doorster 1 10	(Min.) 0	Pressure         Te           (psig)         (de           2109.49         10           21.86         10           30.48         10	Annotation 99.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1)	static v (1)	
	019 Temperature 019 Temperature 11 ann reformance 110 100 100 100 100 100 100 10	(Min.) 0 1 31 91	Pressure         Te           (psig)         (de           2109.49         10           21.86         10           30.48         10           589.04         11	emp Annotation eg F) 09.04 Initial Hydro-s 08.85 Open To Flow	static v (1)	
	0799 Temperature 1999 Temperature 1990 Tempera	(Min.) 0 1 31 91 91 134	Pressure (psig)         Te (de 2109.49         Te (de 10 21.86           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11	Annotation P9.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1) 11.41 Open To Flow (2.52 Shut-In(2)	static v (1) l) v (2)	
	0799 Temperature 1999 Temperature 1990 Tempera	(Min.) 0 1 31 91 91	Pressure (psig)         Te (de 2109.49           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11           497.02         11	Annotation 99.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1 11.41 Open To Flow	static v (1) l) v (2) 2)	
20 0 0 0 0 0 0 0 0 0 0 0 0 0	979 Temperan 115 116 116 107 100 100 100 100 100 100 100	(Min.) 0 1 31 91 91 134 231	Pressure (psig)         Te (de 2109.49           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11           497.02         11	Annotation 2g F) 09.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1) 11.41 Open To Flow 12.52 Shut-In(2) 14.78 End Shut-In(2)	static v (1) l) v (2) 2)	
recovery	979 Temperatus 115 10 10 10 10 10 10 10 00 00 00	(Min.) 0 1 31 91 91 134 231	Pressure (psig)         Te (de 2109.49           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11           497.02         11           2055.59         11	Annotation 99.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1) 11.41 Open To Flow 12.52 Shut-In(2) 14.78 End Shut-In(2) 13.52 Final Hydro-s Gas Rates	static v (1) v (2) tatic	
20 0 0 0 0 0 0 0 0 0 0 0 0 0	679 Temperate 115 116 116 116 116 107 107 107 107 107 107 107 107	(Min.) 0 1 31 91 91 134 231	Pressure (psig)         Te (de 2109.49           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11           497.02         11           2055.59         11	Annotation 99.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1) 11.41 Open To Flow 12.52 Shut-In(2) 14.78 End Shut-In(2) 14.78 Final Hydro-s	static v (1) v (2) tatic	Rate (Mcf/d)
20 0 57 59 Presson 0 75 59 Presson 0 75 59 Presson 0 75 59 Presson 1 100 More restrict 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	679 Temperate 115 116 116 116 116 107 107 107 107 107 107 107 107	(Min.) 0 1 31 91 91 134 231	Pressure (psig)         Te (de 2109.49           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11           497.02         11           2055.59         11	Annotation 99.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1) 11.41 Open To Flow 12.52 Shut-In(2) 14.78 End Shut-In(2) 13.52 Final Hydro-s Gas Rates	static v (1) v (2) tatic	Rate (Mcf/d)
220 C 10 Figure 1 1 an Aperation 1 an Apera	679 Temperate 115 116 116 116 116 107 107 107 107 107 107 107 107	(Min.) 0 1 31 91 91 134 231	Pressure (psig)         Te (de 2109.49           21.86         10           30.48         10           589.04         11           31.04         11           39.11         11           497.02         11           2055.59         11	Annotation 99.04 Initial Hydro-s 08.85 Open To Flow 09.24 Shut-In(1) 11.32 End Shut-In(1) 11.41 Open To Flow 12.52 Shut-In(2) 14.78 End Shut-In(2) 13.52 Final Hydro-s Gas Rates	static v (1) v (2) tatic	Rate (Mcf/d)

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RILOBITE	Great Plains Energy Inc.				
TESTING, INC.				24w Graham	,85
	6121 S 58th St. STE B Lincoln, NE 68516			<b>ng #1-31</b> ket: 51163	DST#:7
	ATTN: Larry Nicholson/Dan			art: 2013.04.09 (	
GENERAL INFORMATION:					17 - 5 m/8 - 1962
Formation:     LKC "K"       Deviated:     No     Whipstock:       Time Tool Opened:     04:39:30       Time Test Ended:     09:47:30	ft (KB)		Test Ty Tester: Unit No	James Win	nal Bottom Hole (Reset) der
Interval: 4056.00 ft (KB) To 408 Total Depth: 4081.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole	D)		Refere	nce Elevations: KB to GR/CF:	2541.00 ft (KB) 2536.00 ft (CF) 5.00 ft
Serial #: 8320 Outside Press@RunDepth: psig ( Start Date: 2013.04.09	2 4057.00 ft (KB) End Date:	2013.04.09	Capacity: Last Calib.:		8000.00 psig 2013.04.09
Start Time: 02:47:05	End Time:	09:45:59	Time On Btm Time Off Btn		2013.04.09
Pressure vs. Ti 5020 Pressure	nne	Time		SSURE SUMN emp Annotat	
		(Min.)	Pressure T		
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250 0 100 Apr 2019 3AM Time (Four) Recovery	90M			Gas Rates	
250 0 0 3/M SAM Time (Hous)	3				ure (psig) Gas Rate (Mcf/d)

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REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092		SERVI	CE PUINT:	a ks
DATE 4-10-13 SEC. 31 TWP. 9 RANGE 24	CALLED OUT	ONLOCATION	HOO Cons	JOB FINISH
LEASE DIRITURG WELL# 1-31 LOCATION STA	fer, 311, 3	0 10 10	OUNTY.	STATE
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YPE OF JOB PTA	UWINER 29	and.		· · · · · · · · · · · · · · · · · · ·
IOLE SIZE 248 T.D. 43601	CEMENT		······ .	
CASING SIZE DEPTH	AMOUNT OR	DERED 2705 Slo-3-A.P	5 <u>ks 6</u> 9	60 8209
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RES. MAX MINIMUM	COMMON	132310	a/7.20	2362,80
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EQUIPMENT	Plo-seaf	55-4	0292	163.35
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317 DRIVER Darrin Hock		<u>. hataa ay ay t</u>	<u>a</u>	·
ULK TRUCK		6	<u> </u>	
DRIVER	HANDLING &	36.28 873	a 2.4/8	58592
		87/mx60x	260	1837.72
REMARKS:			TOTAL	5661,84
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hip 405KS 2651 His 105 to alphane 401	DEPTH OF JOI	3 77	901	·
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oly R.H- 30sk	EXTRA FOOT	\GE(	ġ	
	MILEAGE	IHP 600	2.70	462,00
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o: Allied Oil & Gas Services, LLC.	na anna an Anna an Anna an Anna. Anna		@ @	
ou are hereby requested to rent cementing equipment			ي م	182.64
nd furnish cementer and helper(s) to assist owner or on ontractor to do work as is listed. The above work was				<u></u>
one to satisfaction and supervision of owner agent or			TOTAL	107.64
ontractor. I have read and understand the "GENERAL				
ERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (II		007	<u> </u>
	TOTAL CHAR	Ges_0,7/	9.07	
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