

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1103521

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
C	
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-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? Yes No
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Nome:
Dual Completion Permit #:	Operator Name:
□ SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec TwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date 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

	Side Two	
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East Uest	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 She	Yes N	0		-	n (Top), Depth and		Sample	
Samples Sent to Geolog	jical Survey	Yes N	0	Name	2		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	☐ Yes ☐ N ☐ Yes ☐ N ☐ Yes ☐ N	0					
List All E. Logs Run:								
		CAS	SING RECORD	Ne	w Used			
		Report all strings	s set-conductor, sur	rface, inte	rmediate, producti	on, etc.		
Purpose of String			Weig Lbs./		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 RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated								ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packer	r At:	Liner R	Run:	No	
Date of First, Resumed Production, SWD or ENHR.				Producing N	lethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.		Gas Mcf Wate		er Bbls.		Gas-Oil Ratio	Gravity		
									I	
DISPOSITION OF GAS:				METHOD	OF COMPLE	TION:		PRODUCTION INTE	ERVAL:	
Vented Sold Used on Lease				Open Hole	Perf.	Dually (Submit A		Commingled (Submit ACO-4)		
(If vented, Sub		Other (Specify)								

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

Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	O'Brate - Gray 1-8
Doc ID	1103521

Tops

Name	Тор	Datum
Anhy	1449'	+1420
B/Anhy	1465'	+1403
Heebner	4068'	-1200
Lansing	4120'	-1252
Stark	4449'	-1581
B/KC	4583'	-1715
Marmaton	4604'	-1736
Ft.Scott	4700'	-1832
St.Louis	4876'	-2008

ALLIED OIL & GAS	S SERVICES, LLC 052904	
REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665	SERVICE POINT:	•
DATE 10/20/12 8 245 30N	ALLED OUT ON LOCATION JOB START JOB FINISH	
LEAS BOAR - Say WELL 1-8 LOCATION Sarden	City Star	15
OLD OF NEW Circle one)		40
CONTRACTOR Duke Dulling	OWNER	
HOLE SIZE 1214 T.D. 258	CEMENT	
CASING SIZE 8% DEPTH 258	AMOUNT ORDERED	e
DRILL, PIPE DEPTH	- Hou - Hou - H - CHO-C-	n Ar an
TOOL DEPTH	1	. \
PRES. MAX 300 MINIMUM MEAS. LINESHOE JOINT	COMMON <u>A 150546 @ 17.900 2685.0</u> POZMIX @	P/
CEMENT LEFT IN CSO. 10	GEL @ 73,4070,2	is 1
PERFS.	CHLORIDE @	
DISPLACEMENT 15	ASC@	. /
EQUIPMENT	-CC #35+5 @ 104.00 _320.0	10%
	@	·/
PUMPTRUCK CEMENTER Stephen Hanza	@	
# 372 HELPER Long Baltas /	@	
# 470/528 DRIVER 11: cente Toues 3		
BULKTRUCK	Q	-
# DRIVER	HANDLING 150 @ 2.48 372.0	0
	MILEAGE Dragan 587.5 C. 2.40 1527.5	ŏ
REMARKS:	TOTAL 4974.	20
150 sts Mess A 37.00. 27.Gel		
	SERVICE	
15 BBL OMT back to Surf	DEDTILOGION DERI	-
10° CMI ILFI in Usg	DEPTH OF JOB 258 PUMP TRUCK CHARGE 1512.2	15
	EXTRA FOOTAGE	-
· · · · · · · · · · · · · · · · · · ·	MILEAGE Light 50 @ 4.40 220.00	0
	MANIFOLD @@	2
. ~	Heavy Valitie 30 @ 7.70 385.00	9
CHARGE TO: American Warrior		-0
	. TOTAL 2117.23	5
STREET		-
CITYSTATEZIP	PLUG & FLOAT EQUIPMENT	
	@	-
Tot Alliad Oil & Gas Samine II C	@	-
To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	@@	-
and furnish cementer and helper(s) to assist owner or	0	
contractor to do work as is listed. The above work was		
done to satisfaction and supervision of owner agent or	TOTAL	_
contractor. I have read and understand the "GENERAL	SALES TAX (If Any) 229.10	
TERMS AND CONDITIONS" listed on the reverse side		

	83
PRINTED NAME Ald Jenderson	
SIGNATURE THE	-

-

SALES TAX (If Any) $\frac{3.29.10}{1.95}$ TOTAL CHARGES $\frac{7691.95}{1.95}$ DISCOUNT $\frac{1272.79}{1.5318.96}$ IF PAID IN 30 DAYS

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SI	NIF	T	C	HARGE TO:		American U	hain	4]				TICI		8 Q	
ADDRESS												№ 2:	346	61		
the second s	ices,	inc.	C	ITY, STATE, 2	IP COD	DE							PAG	e 1		
SERVICE LOCATIONS	o City KS	WELL/PROJECT NO	1-8			e - Gray	Gray	STATE KS			its		6 Nov 12	OWN	IER	
2.		SERVICE	NTRACT			DUME	RIG NAME/NO. 5	SHIPPET		cafic	m		IDER NO.			
<u>*</u>		WELL TYPE					emuit long st	eing	WELL PERMIT	'NO.		(^w	ELL LOCATION 8-24-	30		
REFERRAL LOCATION	10.94	INVOICE INSTRUCT	TIONS					0								
PRICE		Y REFERENCE/ NUMBER	LOC	ACCT	DF		DESCRIPTION		QTY.	UM	ατγ.	UM	UNIT		AMOUNT	93
575			١			MILEAGE TRY	114		80	m		1	6	00	480	00
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LEGAL TERMS:						REMIT PAY	MENT TO:	SU OUR EQUIPMEN	RVEY	AG		D AGRE	E PAGE TOT	AL	6380	
the terms and cond but are not limited				(M)				WITHOUT BREA	KDOWN7			+	+		5719	125
LIMITED WARR				• • • •		SWIFT SER	VICES, INC.	MET YOUR NEE	WAS	_		+	-		12,099	1
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS					P.O. B		PERFORMED W WE OPERATED AND PERFORM CALCULATIONS					Cray	1 -	. 7.7	120	
x							, KS 67560	SATISFACTOR	.Y7				7.4	5/0	673	1.20
DATE SIGNED	1	IME SIGNED		P.M.			8-2300	ARE YOU SATIS		SERVIČ			TOTAL		1,2,77.3	14L
·····			0.54				2		ISTOMER DID N						100111.0	1
SWIFT OPERATOR		CUSTOM			ROVAL		The customer hereby ackno	owledges receipt of	the materials a	and servi	ces listed on t	this ticke	L n -		Thank	You!
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PO Box 466

TICKET CONTINUATION

TICKET No. 23461

Service	Nes Off:		y, KS 675 5-798-23			CUSTOMER AMILICAN VARTIOR	WE	ELL ,1-8		ME NOV 12	PAGE OFZ
REFERENCE	SECONDARY REFERENCE	A 1			C	DESCRIPTION	2032 - 10	TOTY STUM	TOTY A TUNE		AMOUNT
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583				\neg		HILEAGE TOTAL WEIGHT 13325 LOADED MILES	TOP	N MILES 73	3	100	732 00
		11				UNARUE IDJUD 1 8V		15.			171918
										LATION TOTAL	51112

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eo, luc.	1	DESCRIPTION OF OPERATION	75 SK 542 W	15.5 # 520 - 1900 11975 - 477752	5/14cit 21:1" Editober 1795 : 20:04 470	RTD 200 LTD-5203 Anti- 1827'	Que, 1,3, 4, 56, 7, 9, 11, 69, 71 Back 2, 70	12,000 - + + + + + + + + - + + - + - + - + + - + + - + + + + + + + +		stat 63 hor pipe in late	Donald - CIRCIAL - RATATS		Rymp 500gal midflish	Evel Princi 20 261 Rel flend	1 - 3	Plug 24 - MH 3050 - 2050		Nix Sh-200mit 1059 @ 15 3 497	ant Prup & live			D'Express fues		Lauch plogn	01. 1 HAnder Junder	Kanase hume - Kick - and at	wash we truck	-	RACK WO .	-	Job envolete.		Thulk P	allun Dave & Bline		
Serui	6 Fray	PSI											300	200				602				22	\$50	1530												
SWIFT Services.	LEASE OBALD - Gray	PRESSURE TUBING										•																								
		PUMPS								-	-							-				1	1	_	-	-			_	_		_	_	_	_	
	WELL NO. /-		10.00										12	35	-	7	36	43				1	60/	13												
	Werr	RATE (BPM)										1	43	43				43	`		61	63	64	63												
(5)	ANOPYCAL	BALL							0906	(003	1223	222	1245			1254	•	8521	İ	1309		1312	22	1530	1221	1001	1340				1420					
JOB LOG	CUSTOMER	CHART NO.																					T													

SI	VIFT	ADDR	GE 10: ESS STATE, ZIP CO	American I	VARGOR						TIC Nº 2			
SERVICE LOCATIONS 1. NUM C 2. 3. 4. REFERRAL LOCATION		SONTRACTOR	WELL CAT	CO TEELS EGORY HELOPIMENT CO	COUNTY/PARISH GROY RIG NAME/NO. RPOSE MENT POLT COL	STATE KS SHIPPE VCT	Delivered T	n G cita NO.	<i>ity</i> n	OR	TE 3 NOV 12 IDER NO. ELL LOCATION 5-24-30		NER	
PRICE REFERENCE 575 576D 330 J76 290 104 081 583	SECONDARY REFERENCE/ PART NUMBER		OUNTING ACCT DF	MILEAGE T.RK PUMP Cha SIMD come Flocele D-Air PORT could Siervice d Drayage	rge nt le TOOL Rente	al	200	gal	ату.	им	125D 16 25 250 2	80	ANOUNT 480 1250 2640 100 70 250 400 796	9 6 8 8 8 8 8 8
the terms and cond but are not limited LIMITED WARR/	STOMER OR CUSTOMER'S AGENT P IVERY OF GOODS	RIOR TO	AM.	REMIT PAY SWIFT SER P.O. BO NESS CITY 785-79	ः VICES, INC. DX 466 , KS 67560	OUR EQUIPMEI WITHOUT BREJ WE UNDERSTO MET YOUR NEE OUR SERVICE V PERFORMED W WE OPERATED AND PERFORM CALCULATIONS SATISFACTORI ARE YOU SATIS	KDOWN? OD AND DS? WAS THOUT DELAY? THE EQUIPMEN ED JOB Y? FIED WITH OUR PIED WITH OUR YES	SERVICE			Gray Tax 7.44 Total		5986 227 6214	1
SWIFT OPERATOR	RGI	105	APPROVA										Thank I	lou!

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es. luc.	connet part collar	DESCRIPTION OF OPERATION AND	200=6 SWD W/ # Flocke	lar = 1795		on 10c tric 117	test to loopsi - held	4 	in raise separe tuper	MX SMD commt @ 11,2 ppg	Clerk to Surface		-> concut to Subace	(po ste in stad	HIDASI &	O'Solace 6661 H, D	close po	-		RUN J Frank Joints		-2 cent flags -	0	wart on water		which up truck	Diril I in		Tob comelate		thur	JEARS, TT, DALLA & BLANC	
Serui	530	(PSI) CASING					1000											100												U.	l.		
SWIFT Services.	CBRATE-SRAY	PRESSURE (PSI) TUBING CASING					220	2/24	pat	Grt-	40		225			200		1200															-
		PUMPS T			_				-					 										-	_		+	-	-	\square	4	7	
	MELL NO. 1-8	VOLUME (BBL) (GAL)						,	١		13		81	_		9					20												-
	brit	RATE (BPM)	10-0-04204					-	8	25	22		22			22			10														Ĩ
	2	JMLT			3	0.20	040	2002	colo	09/2				-				6160			0001			1001		00/1			1130		T	T	
JOB LOG	CUSPMER CUSPMER	CHART NO.										_																			╡		

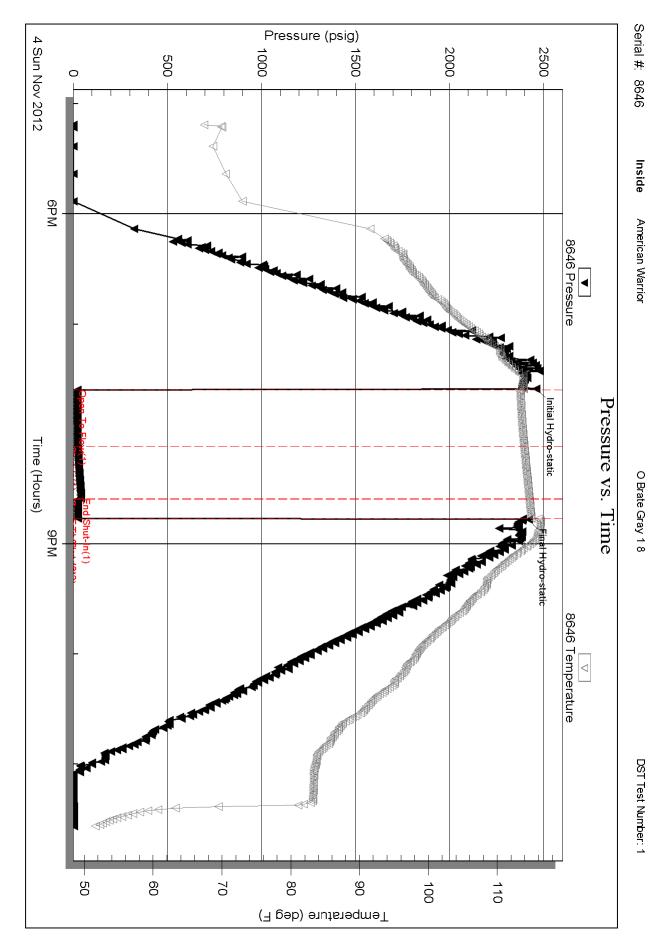
	DRILL STEM TES	ST REP	ORT				
	American Warrior		8-24	-30 Gra	ay Co KS	;	
ESTING , I	orro ouriningo r.u.		O B	rate Gr	ay 1 8		
	P.O. Box 399 Garden City KS 67846		Job T	Ficket: 49	9865	DST#:	1
	ATTN: Kevin Timson		Test	Start: 20)12.11.04 @	2 17:11:15	
GENERAL INFORMATION:	•						
Formation:MarrowDeviated:NoWhipstorTime Tool Opened:19:35:45Time Test Ended:23:33:45	c ft (KB)		Test Teste Unit N	er: I	Convention Mike Robert 65	al Bottom Ho ts	le (Initial)
Total Depth: 4864.00 ft (KB)	4864.00 ft (KB) (TVD) (TVD) Hole Condition: Poor		Refe	rence Ele KB t	evations:	2868.00 2856.00 12.00	ft (CF)
Serial #:8646InsidePress@RunDepth:23.57 psStart Date:2012.11.Start Time:17:11:	End Date:	2012.11.04 23:33:45	Capacity: Last Calib. Time On B Time Off E	Stm: 2		8000.00 2012.11.04 @ 19:35:15 @ 20:46:45	
FF:No blow FS:PULLED 7 Pressure	vs. Time		PR	ESSUR		IARY	
2500	8646 Temperature	Time	Pressure	Temp	Annotati		
		(Min.) 0	(psig) 2460.59	(deg F) 113.81	Initial Hydi	ro-static	
2000		1	21.59	113.10	-		
		32	23.57	113.88			
			42.01 24.59		End Shut- Open To F		
		71	24.77	114.92	End Shut-	ln(2)	
		72	2420.30	115.96	Final Hydr	o-static	
6PM 4 Sun Nov 2012 Time (9PM (ours)						
Recove	ry			Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Press	sure (psig) G	as Rate (Mcf/d)
5.00 mud w ith oil spots	0.02						
Trilobite Testing, Inc.	Ref. No: 49865				2012.11.04		

		DRI	LL STEM TEST REPOR	RT	FLU	JID SUMMAR
		Americ	an Warrior	8-24-30 G	ray Co KS	
I EST	BITE FING , INC.	P.O. Bo	ummings Rd. x 399 ı City KS 67846	O Brate G Job Ticket: 4	-	ST#: 1
		ATTN:	Kevin Timson	Test Start: 2	2012.11.04 @ 17:11	:15
Mud and Cushion In	formation					
Mud Type:Gel ChemMud Weight:9.00Viscosity:49.00Viscosity:8.76Resistivity:0.00Salinity:3100.00	lb/gal sec/qt in³ ohm.m		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	0 deg A Pl 0 ppm
Recovery Informatio	n					
			Recovery Table			
	Lengt ft	th	Description	Volume bbl		
		5.00	mud w ith oil spots	0.02	5	
То	otal Length:	5	00 ft Total Volume: 0.025 bl	bl		

Printed: 2012.11.04 @ 23:45:15

Ref. No: 49865





Geological Report

American Warrior, Inc. O'Brate-Gray #1-8 335' FSL & 845' FEL Sec. 8, T24s, R30w Gray County, Kansas



American Warrior, Inc.

Well Data:

Drilling Contractor:

Geologist:

Spud Date:

Completion Date:

Elevation

Directions:

Casing:

Samples:

Drilling Time:

Electric Logs:

Drillstem Tests:

General Data

American Warrior, Inc. O'Brate-Gray #1-8 335' FSL & 845' FEL Sec. 8, T24s, R30w Gray County, Kansas API # 15-069-20403-0000

Duke Drilling Co. Rig #5

Kevin Timson

October 25, 2012

November 6, 2012

2857' Ground Level 2868' Kelly Bushing

From Southeast side of Garden City, KS at intersection of Hwy 50 and Pole Line Rd. Go 6 miles East on Pole Line Rd to 3 Rd. Now go 1 mile North on 3 Rd to C Rd. Go North across the intersection on 3 Rd. and immediately turn West into location.

#23 8 5/8" surface casing set @ 258' with 150 sacks Class A, 3% c.c, 2% gel. #15.5 5 ½" production casing set @ 4777 with 125 sacks EA-2. Port collar set @ 1795.

4000' to RTD 10' wet and dry,

4000' to RTD

Pioneer "C. Desaire" Dual Compensated Porosity, Dual Induction, Microresistivity.

One Trilobite Testing "Mike Roberts"

Formation Tops

I

	American Warrior, Inc.
	O'Brate-Gray #1-8
	Sec. 8, T24s, R30w
Formation	335' FSL & 845' FEL
Anhydrite	1448' +1420
Base	1465' +1403
Heebner	4068' -1200
Lansing	4120' -1252
Stark	4449' -1581
BKc	4583' -1715
Marmaton	4604' -1736
Pawnee	4677' -1809
Fort Scott	4700' -1832
Cherokee	4717' -1849
Atoka	4817' -1949
Morrow	4848' -1980
St. Gen	4862' -1994
St. Louis	4876' -2008
RTD	5000' -2132

Sample Zone Descriptions

Morrow Sand (4848', -1983):

Covered in DST #1

Sandstone. Grey. Fine to medium grain. Poorly sorted rounded grains mixed in with angular grains. Good stain and good saturation. Good show of free oil. Slight to fair odor. 20 unit gas kick.

St. Louis (4876', -2008):

DST #1

Not Tested

Limestone. Tan. Sub to fine crystalline. Poor oolytic porosity. Barren. Slight to fair odor. 25 unit gas kick.

Drill Stem Tests

Trilobite Testing Inc. "Sam Esparza"

 Morrow Sand

 Interval (4831' – 4864') Anchor Length 33'

 IHP
 2460 #

 IFP
 30" – Weak surface blow died in 4 min
 21-23 #

 ISI
 30" – No Return
 42 #

 FFP
 10" – No Blow
 NA

 FSIP
 Pull tool – No Return
 NA

 FHP
 2420 #
 BHT

Recovery: 5' Mud (spots of oil)

Structural Comparison

	American Warrior, Inc.	American Warrior, Inc		American Warrior, Inc.	
	O'Brate-Gray #1-8	Gates #8-16		Wehkamp #1-15	
	Sec. 8, T24s, R30w	Sec. 16, T24s, R30w		Sec. 15, T24s, R30w	
Formation	335' FSL & 845' FEL	2300' FNL & 1750' FWL		394' FNL & 652 FWL	
Anhydrite	1448' +1420	NA	NA	NA	NA
Base	1465' +1403	NA	NA	NA	NA
Heebner	4068' -1200	4053' -1190	-10	4052' -1196	-4
Lansing	4120' -1252	4111' -1248	-4	4101' -1245	-7
Stark	4449' -1581	4435' -1572	-9	4424' -1568	-13
BKC	4583' -1715	4568' -1705	-10	4573' -1717	+2
Marmaton	4604' -1736	4586' -1723	-13	4597' -1741	+5
Pawnee	4677' -1809	4660' -1797	-12	4670' -1814	+5
Fort Scott	4700' -1832	4690' -1827	-5	4696' -1840	+8
Cherokee	4717' -1849	4702' -1839	-10	4710' -1854	+6
Atoka	4817' -1949	4804' -1941	-8	4801' -1945	+4
Morrow	4848' -1980	4838' -1975	-5	4839' -1983	+3
St. Gen	4862' -1994	4852' -1989	-5	NA	NA
St. Louis	4876' -2008	4868' -2005	-3	NA	NA