# KANSAS CORPORATION COMMISSION ORIGINAL OIL & GAS CONSERVATION DIVISION

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 # 33551	API No. 15 - 011-23718-00-00
Name: S & K Oil Production, Inc.	Spot Description:
Address 1: PO Box 184	NW_SW_NE_Sw_Sec18_Twp25_SR22
Address 2:	1,785 Feet from North / South Line of Section
City: Blue Mound State: Ks Zip: 66010 +	3,795 Feet from ✓ East / ☐ West Line of Section
Contact Person: Steve Jackson Phone: ( 913 ) 756-2622  CONTRACTOR: License # 4339  AUG 1 6 2010	Footages Calculated from Nearest Outside Section Corner:  NE NW SE SW  County: Bourbon  Swisher 24
KCC WICHIA	Lease Name:Well #:
Purchaser:  Designate Type of Completion:	Field Name: Bronson/Xenia  Producing Formation: Squirrel & Bartlesville  Elevation: Ground: 1047 Kelly Bushing:
✓ New Well Re-Entry Workover	Total Depth: 800 Plug Back Total Depth: 756.5
✓ Oil WSW SWD SIOW   Gas D&A ENHR SIGW   OG GSW Temp. Abd.   CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):    If Workover/Re-entry: Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at: 20 Feet  Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: 0 Feet  If Alternate II completion, cement circulated from: sx cmt.
Operator:	Daille El Line
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to SWD    Conv. to GSW	Chloride content: None ppm Fluid volume: 40 bbls  Dewatering method used: Returned to injection
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:  Dual Completion Permit #:  SWD Permit #:  ENHR Permit #:  GSW Permit #:  04/16/2010 04/22/2010 08/09/2010  Spud Date or Recompletion Date  Completion Date  Recompletion Date	Operator Name: S & K Oil Production, Inc.  Lease Name: Swisher License #: 33551  Quarter SE Sec. 18 Twp. 25 S. R. 22 F East West  County: Bourbon Permit #: 15-011-23234-00-00
04/16/2010         04/22/2010         08/09/2010           Spud Date or         Date Reached TD         Completion Date or	the Kansas Corporation Commission, 130 S. Market - Room 2078, Wich conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Informa juested in writing and submitted with the form (see rule 82-3-107 for confid

BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

#### **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.

Signature:	Asch.	_	-
Title: Owner/Operator			

KCC Office Use ONLY						
■ Letter of Confidentiality Received						
Date:						
Confidential Release Date:						
☑ Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT 1 1 1 III Approved by: 10 Date: 8/19/10						

#### Side Two

Operator Name: S	& K Oil Productio	n, Inc.		Lease	Name: _	Swisher		Well #:24	<u> </u>	
Sec. 18 Twp. 25	5 s. R. <u>22</u>	. ✓ Eas	t West	County	y: Bou	rbon				
time tool open and c recovery, and flow ra	thow important tops a closed, flowing and sh tes if gas to surface t Attach final geologica	ut-in pres: est, along	sures, whether s with final chart(	shut-in pres	sure rea	ched static level	, hydrostatic pre	ssures, bottom	hole temp	erature, fluid
Drill Stem Tests Take			Yes ✓ No		<b></b> ✓Ł	.og Formatio	on (Top), Depth	and Datum		Sample
Samples Sent to Ge	ological Survey		Yes ✓ No		Nan Squin			Тор <b>45</b> 8		Datum 32
Cores Taken Electric Log Run Electric Log Submitto (If no, Submit Cop		` `			Bartle			646	70	
List All E. Logs Run:										
Gamma Ray/	Neutron/Ccl									
Γ			CASING	RECORD		ew Used				
		Rep				ewosed ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled		ize Casing et (In O.D.)	Wei		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
Surface	8 3/4	6		6 lbs.		20	One	5	None	
Casing	5 5/8	2 7/8		6 lbs.		756.5	One	89	None	
	·····	T	ADDITIONAL	CEMENTI	NG / SQL	JEEZE RECORD		\		
Purpose:  —— Perforate  —— Protect Casing	Depth Top Bottom	Тур	e of Cement	# Sacks	Used		Type and	Percent Additives		
Plug Back TD Plug Off Zone										
		<u></u>		<u> </u>						
Shots Per Foot			RD - Bridge Plug Each Interval Perf		<del>-</del> D		cture, Shot, Ceme mount and Kind of N		ď	Depth
4	458-462									462
2	646-657		JA	JG 10	ZU10					657
2	680-685		KC(	JG 16 CWIC	HITA					685
4	686-690									690
4	698-700									700
TUBING RECORD:	Size:	Set At:		Packer At	:	Liner Run:	Yes N	)		
Date of First, Resumed	Production, SWD or EN	HR.	Producing Meth	od:	· 🗆	Gas Lift 🔲 O	ther (Explain)			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas 1	Mcf	Wate	er Bt	ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:	Ţ	R.A.	ETHOD OF	COMPLE	TION		DDC TO THE TOTAL T		
Vented Sold			_	ETHOD OF	Dually		ımingled	PRODUCTIO	INTERV	AL:
	bmit ACO-18.)		Other (Specify)		(Submit A		nit ACO-4)			

Lease:	Swisher	
Owner:	S+ K oil	CEMPANY
QPR#:	3355[	
Contractor:	Dale Jac	kson Production
OPR#:	4339	
Surface: i	Cemented:	Hole Size:
20° of 6	5	84
Longstring	Cemented:	Hole Size:
756.50	89 Sec	5 274

Dale Jackson Production Co.

Box 266, Mound City, Ks 66056

Cell # 620-363-2683

Office # 913-795-2991

Well#: 건식	
Location: SW NE SW SIGT25R	2
County: Bouston	•
FSL: 1795	
FEL: 3795	ŀ
API#: 15-011-23718-00-00	
Started: 4-16-10	
Completedy - 22-10	
TD: Classic	-

sn: None

Plugged:

**Bottom Plug:** 

Packer:

## Well Log

Depth	· · · · · ·		10 Cit 108	T =	L north	
1	TKN		Formation	TKN	BTM Depth	Formation
1		Deptn		115	458	SL.
1992   Lines	7			1 1/2		oil sand Shake (Fair River)
1   1   1   1   1   1   1   1   1   1	7		Leese Keik VVIAG	12		libras
1   1   1   1   1   1   1   1   1   1			- mi	17		ail sind (Linear (Foir Blace))
3 14 Black Shale 30 495 Sandy Slele 2 20 Shele 2 1518 Line 3 53 Line 35 553 Shale 1 54 Shale 1 557 Line 3 553 Shale 1 55 Black Shale 7 557 Shale 1 55 Black Shale 7 557 Shale 1 55 Black Shale 7 557 Shale 1 55 Black Shale 1 578 Coalt 1 57 Line 1 57 Line 1 57 Shale 1 157 Shale 1 158 S			<u> </u>	12		Sand State (oil Cand ste) (Poor Road)
1   1   1   1   1   1   1   1   1   1	7					Sandy Shala (v.) Shala Shala Shala
2	~		Dieck Shale			Shala
35 53 Line 35 553 Shale  1 57 Shale 1 559 Line 1 55 Flock Shale 7 557 Shale 1 57 Shale 1 559 Line 1 55 Flock Shale 7 557 Shale 1 57 Line 1 559 Line 1 57 Line 1 579 Coal 2 57 Line 1 579 Coal 3 580 Line 1 587 Line 2 115 Shale 1 587 Line 3 570 Line 1 1 579 Coal 4 117 Shale 1 1 579 Line 1 1 137 Shale 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			C)-/a			Line
54   Shale   1   554   Lime   1   559   Lime   1   559   Lime   1   559   Lime   1   559   Lime   1   558   Land   1   559   Lime   1   577   Shale   1   579   Ceal   Shale   1   579   Lime   1   1   577   Shale   1   579   Shale						Sinla
55   Block Stulis	22			1 2 2		Line
1 59 Limes 1 558 Camber 1 557 Light Sholl  1 15 Shole 15577 Light Sholl  2 11 137 Shole 4 592 Dark Shole  2 11 137 Shole 8 890 Light Sanchy Shole  21 137 Shole 1 591 Lime  21 137 Shole 1 591 Lime  21 137 Shole 1 591 Lime  22 23 Shole 8 890 Light Sanchy Shole  23 23 Shole 8 890 Light Sanchy Shole  25 250 Light Sanchy Shole 10 634 Light Sanchy Shole  25 250 Light Sanchy Shole 10 634 Light Sanchy Shole  27 27 Shole 5 640 Sanch Shole 10 634 Light Sanch Shole  27 27 Shole 5 640 Sanch Shole 10 634 Light Sanch Shole  27 27 Shole 5 640 Sanch (Strong ader) (Same of Slow)  27 27 Shole 8 ECENTED 3 1574 Oil Sanch (Goodh Shole)  27 27 Red 1860 RECENTED 3 1574 Oil Sanch (Goodh Shole)  27 37 Sanch (Dry) Allo 16 200 1 658 Nack Sanch (Sholey) (Strong ader)  28 311 Sanch (Dry) Allo 16 200 1 658 Nack Sanch (Sholey) (Strong ader)  29 38 Sanchy Shole 16 Sanchy Shole  29 38 Shole (MCHITTA) 1 658 Sanchy Shole  29 38 Shole (MCC WICHITTA) 2 662 Shole  29 374 Cool  20 374 Lime (Cool)  20 374 Cool  21 157 Shole 2 1 688 Shole  22 377 Mark Shole 2 1 688 Shole  23 377 Mark Shole 2 2 688 Shole  24 377 Shole 2 2 688 Shole  24 377 Mark Shole 2 2 688 Shole  34 31 Lime 2 2 698 Shole (Strong ader)  34 1 Lime 2 2 698 Shole (Strong ader)  34 1 Lime 2 2 698 Shole (Strong ader)  34 1 Lime 2 2 698 Shole (Strong ader)  34 1 Lime 2 2 698 Shole (Strong ader)  34 1 Lime 2 2 698 Shole (Strong ader)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Alar)  34 1 Lime 1 5 700 0il Sand (Sholey) (Sance Oder)  35 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				13		Shale
15   57   1   15   57   1   15   57   1   15   56   1   15   15   15   15	11			15		[00]
1   57   Coal   1   57   Coal   1   57   Coal   1   58				15		
113   Stole				11		Coal
7 116 Block Shale 11 137 Shale 11 137 Shale 11 137 Shale 11 137 Shale 11 1591 Lime 11 1602 Shale 12 11 1592 Shale 13 Shale 143 Lime 11 1602 Shale 14 124 Shale 15 125 Shale 16 124 Shale 17 124 Shale 18 125 Shale 19 127 Shale 19 127 Shale 10 1534 Light Sandy Shale 10 1534 Shale 11 1525 Shale 12 158 Shale 12 158 Shale 13 1525 Shale Shale 14 158 Shale 15 158 Shale 16 158 Shale 17 158 Shale 18 159 Shale 19 159 Shale 10 159 Shale 11 177				14	547	Dark Stale
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2 213 Sheli 2 215 Slock Shale 3 230 Light Sandy Shale 3 233 Red Had 3 Light Sandy Shale 10 634 Light Sandy Shale 3 233 Red Had 11 Light Sandy Shale 12 Light Sandy Shale 13 Light Sandy Shale 14 225 Sand (Shaley) (Strong oder) 15 249 Shale 16 Sand (Strong oder) (Some of Show) 17 274 Jhale Limey (Some Rollid) 18 259 Cit Sand (Songe Part) 19 279 Jhale Limey (Some Rollid) 19 259 Cit Sand (Songe Part) 19 279 Red Bloc 19 3 551 Lime 19 3 551 Lime 19 3 157 Cit Sand (Songe Part) 19 317 Sand (Dry) AUG 16 2000 1 List Rand (Fair oil Show) 19 317 Sand (Dry) AUG 16 2000 1 List Rand (Sandy Shale) 19 300 Sandy Shale 19 300 Sandy Shale 19 300 Sandy Shale 19 10 Sandy Shale (Sane Cit Sand) (Light Shale) 10 10 Sandy Shale (Sane Cit Sand) (Light Shale) 10 10 Sandy Shale (Strong ader)				111		Shale
2 215 Plack Shale  5 230 Light Sandy Shale  10 634 Shale  11 Light Sandy Shale  12 Shale  13 Card Mad  14 Card Shale  15 Card Shale  16 Card Shale  17 Card Shale  18 Card Shale  19 Card Shale  20 Card Shale  20 Card Shale  21 Card Shale  22 Card Shale  23 Card Shale  24 Card Shale  25 Card Shale  26 Card Shale  27 Card Shale  28 Card Shale  29 Card Shale  29 Card Shale  20 Card Shale  20 Card Shale  20 Card Shale  21 Card Shale  22 Card Shale  23 Card Shale  24 Card Shale  24 Card Shale  25 Card Shale  26 Card Shale  27 Card Shale  28 Card Shale  29 Card Shale  20 Card Shale  21 Card Shale  22 Card Shale  23 Card Shale  24 Card Shale  24 Card Shale  25 Card Shale  26 Card Shale  27 Card Shale  28 Card Shale  29 Card Shale  20 Card Shale  21 Card Shale  22 Card Shale  23 Card Shale  24 Card Shale  25 Card Shale  26 Card Shale  27 Card Shale  27 Card Shale  28 Card Shale  29 Card Shale  20 Card Shale  21 Card Shale  22 Card Shale  23 Card Shale  24 Card Shale  25 Card Shale  26 Card Shale  27 Card Shale  28 Card Shale  29 Card Shale  20 Card						Sandy Shale
5 230 Light sandy shale  3 233 Red Alad  1 634 Light sandy shale  1 634 Light sandy shale  1 635 Sand (Sheley) (Streng oder)  1 248 Shele  2 647 Sand (Strong oder) (Some of Show)  4 263 Linner (Linney) (Some Rakko) 4 KHB Sand (Strong oder) (Some oil Show)  5 279 Red Rad  8 254 Shale  8 257 Black Sand (Song Red)  1 371 Linne  1 371 Linne  1 371 Linne  1 50 Black Shale  2 161 Sand (Dry) AUG 16 2010 1 659 Black Shale  2 303 Shale  1 301 Linne (KCC WICHITA 1 652 Shale  2 303 Shale  1 301 Sandy Shale  2 162 Shale  2 163 Sinde  1 377 Shale  2 163 Sinde  2 163 Sinde  1 352 Shale  2 163 Sinde  2 163 Sinde  1 352 Shale  2 163 Sinde  1 352 Shale  2 163 Sinde  1 352 Shale  2 163 Sinde  2 163 Sinde  1 352 Shale  2 163 Sinde  2 163 Sinde  1 352 Shale  2 163 Sinde  2 163 Sinde  1 352 Shale  2 163 Sinde (Sand Bleed)  3 377 Black Shale  3 177 Black Shale  3 184 Shale  3 185 Sandy Shale  3 185 Sandy Shale  3 185 Sandy Shale  3 187 Sandy Shale  3 187 Sandy Shale  3 187 Sandy Shale  4 188 Shale  5 164 Sandy Shale  6 165 Blight Sandy Shale  6 165 Blight Sandy Shale  6 165 Blight Sandy Shale  7 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			Ring & State			
3 233 Red Blad.  5 249 Shele.  5 640 Sand (Strong ode) (Some of Slow)  4 263 Line;  5 274 Shele.  7 274 Shele RECEIVED 3 254 Oil Sand (Strong ade) (Some e.   Shew)  5 279 Red Blo RECEIVED 3 257 Black Sand (Strong ade)  6 371 Sand (Dry) Allo 10 2010 1 (58 Nack Sand (Fair e.) Strong ode)  7 300 Snowy Sheld  7 301 Line KCC WICHIT 1 (62 Shele)  8 311 Sand Dry)  8 311 Sand Dry)  8 311 Sand Dry)  8 311 Sand Shele  9 (63 0il Sand (Fair Cleed)  1 334 Sand (Fair Cleed)  1 355 Shele  2 163 0il Sand (Good Bleed)  1 379 Cool  1 1 56 Shele  2 2 183 0il Sand (Good Bleed)  2 352 Shele  2 2 183 0il Sand (Good Bleed)  3 352 Shele  2 2 183 0il Sand (Good Bleed)  5 352 Shele  7 2 185 Sil Sand (Good Bleed)  8 352 Shele  2 2 183 0il Sand (Good Bleed)  8 352 Shele  9 352 Shele  1 2 183 Coil Sand (Good Bleed)  1 2 184 Shale  1 2 183 Coil Sand (Good Bleed)  1 2 184 Shale  1 2 183 Coil Sand (Good Bleed)  1 3 18 Shele  1 2 183 Coil Sand (Good Bleed)  1 3 18 Shele  1 2 183 Coil Sand (Good Bleed)  2 184 Cool  3 352 Shele  2 183 Coil Sand (Good Bleed)  2 184 Cool  3 352 Shele  2 185 Coil Sand (Good Bleed) (Some Shele)  1 2 184 Shele  2 1893 Bleek Sand (Sheley) (Some Bleck Sand) (Good Bleed)  1 2 184 Shele  2 184 Shele  3 184 Shele  3 184 Shele  4 185 Shele  5 184 Shele  5 184 Shele  6 184 Shele  7 184 Shele  6 184 Shele  7 184 Shele  1 184 Shele  1 184 Shele  1 184 Shele  1 1	15		Light sondy shale	+	634	Light Sandy Stale
1 274 Shale Limey (Some ROBED) 4 646 Sand (Strong ader) (Some oil Show)  2 79 Red (Ro  RECEIVED 3 157 Rick sand (Strong ader)  1 391 Lime (Dry) AUG 16 2010 1 (558) Rack sand (Strong oder)  1 391 Lime (Dry) AUG 16 2010 1 (558) Rack sand (Strong oder)  2 303 State (CC WICHITA) 1 (658) Rack sand (Strong oder)  2 303 State (CC WICHITA) 2 (611 Sand (Strong oder)  2 303 State (CC WICHITA) 2 (612 Shale)  2 303 State (CC WICHITA) 2 (612 Sand (Strong oder)  2 303 State (CC WICHITA) 2 (612 Sand (Strong oder)  3 311 Sand Dry) 2 (623 Sondy Shale)  3 311 Sand Dry) 2 (623 Sondy Shale)  3 312 Shale 1 (633 Silver) 1 (633 Silver) (Cood Block)  3 377 Shale 2 (635 Cil Sand (Cood Block) (Some State)  3 377 Block State 1 (626 Sandy Shale (Some State) (Some State)  3 377 Block State 1 (626 Sandy Shale (Some Glock) (Sond Block)  4 416 State 2 (695 Block Sand) (Statey) (Some Block Sand) (Good Block)  5 431 Lime 15 700 oil Sand (Shaley) (Some Block Sand) (Good Block)  5 431 Lime 15 700 oil Sand (Shaley) (Some Olev)  4 479 Work State 2 704 Sandy Shale (Some Oder)  4 479 Work State 2 704 Sandy Shaley) (Some Oil Show)  5 448 Shale (Sort Sandy Shale) (Some Oil Show)  5 448 Shale (Strong Oder)  6 456 Strong State (Strong Oder)  7 7 Block Shale (Strong Oder)  7 448 Shale (Strong Oder)  7 7 Block Shale (Strong Oder)  7 7 Block Shale (Strong Oder)		733	Red Ama.	1	L35	Sand (Shaley) (Strong oder)
1 274 Shale Limey (Some ROBED) 4 646 Sand (Strong ader) (Some oil Show)  2 79 Red (Ro  RECEIVED 3 157 Rick sand (Strong ader)  1 391 Lime (Dry) AUG 16 2010 1 (558) Rack sand (Strong oder)  1 391 Lime (Dry) AUG 16 2010 1 (558) Rack sand (Strong oder)  2 303 State (CC WICHITA) 1 (658) Rack sand (Strong oder)  2 303 State (CC WICHITA) 2 (611 Sand (Strong oder)  2 303 State (CC WICHITA) 2 (612 Shale)  2 303 State (CC WICHITA) 2 (612 Sand (Strong oder)  2 303 State (CC WICHITA) 2 (612 Sand (Strong oder)  3 311 Sand Dry) 2 (623 Sondy Shale)  3 311 Sand Dry) 2 (623 Sondy Shale)  3 312 Shale 1 (633 Silver) 1 (633 Silver) (Cood Block)  3 377 Shale 2 (635 Cil Sand (Cood Block) (Some State)  3 377 Block State 1 (626 Sandy Shale (Some State) (Some State)  3 377 Block State 1 (626 Sandy Shale (Some Glock) (Sond Block)  4 416 State 2 (695 Block Sand) (Statey) (Some Block Sand) (Good Block)  5 431 Lime 15 700 oil Sand (Shaley) (Some Block Sand) (Good Block)  5 431 Lime 15 700 oil Sand (Shaley) (Some Olev)  4 479 Work State 2 704 Sandy Shale (Some Oder)  4 479 Work State 2 704 Sandy Shaley) (Some Oil Show)  5 448 Shale (Sort Sandy Shale) (Some Oil Show)  5 448 Shale (Strong Oder)  6 456 Strong State (Strong Oder)  7 7 Block Shale (Strong Oder)  7 448 Shale (Strong Oder)  7 7 Block Shale (Strong Oder)  7 7 Block Shale (Strong Oder)	1 6			5	640	Sand (Strong oder) (Some of slow)
The state   St	14		Linger		1642	Sand (Some ode/)
5 279 Red Blod  RECEIVED 3 157 Black Sand (Good Bled)  RECEIVED 3 157 Black Sand (Fair o.) Show  1 371 Line  RECEIVED 3 157 Black Sand (Fair o.) Show  1 371 Line  RECEIVED 3 158 Black Sand (Fair o.) Show  1 371 Line  RECEIVED 3 158 Black Sand (Fair o.) Show  1 158 Black Sand (Fair o.) Show  1 158 Black Shale  2 168 Sandy Shale  2 168 Sandy Shale  2 168 Sandy Shale  2 17 Show  2 188 Cil Sand (Fair Black)  2 17 Show  2 188 Cil Sand (Fair Black)  3 352 Show  3 352 Show  3 352 Show  3 177 Black Shale  2 188 Cil Sand (Fair Black)  3 177 Black Shale  4 197 Sandy Shale (Sand Shale)  5 131 Line  1 197 Shale  2 198 Black Sandy Shale (Sand Black) (Fair Black)  5 131 Line  1 197 Shale  2 198 Black Sand (Saley) (Same Black Sand) (Good Black)  1 197 Shale  2 198 Black Sand (Shaley) (Same Black Sand) (Good Black)  3 177 Black Shale  3 177 Black Shale  3 177 Sandy Shale (Strong activ)  4 198 Shale  5 198 Sindy Shale (Strong activ)  6 198 Sindy Shale (Strong activ)  7 18 Black Shale (Strong activ)  7 18 Black Shale (Strong activ)  4 177 Black Shale (Strong activ)  4 177 Black Shale (Strong activ)  4 177 Black Shale Shale (Strong activ)	M		That Lime WY Some Roy BED)	4	646	S. 1 (Strong aday) (Some D. (Show)
1 391 Lime   AUG 16 2010   L58 Black Sand (Fair oil Short)  1 391 Lime   AUG 16 2010   L58 Black Sand (Stoley) (Strong oder)  3 300 Sandy Shald   Z bold Sandy Shale    2 303 Slate   KCC WICHITA   C62 Shall    2 303 Slate   KCC WICHITA   C62 Shall    2 303 Slate   KCC WICHITA   C62 Shall    3 311 Sand Dry)   Z 1082 Cil Sand (Shaley Fair Bloed)    5 334 Sandy Shale   L63 Cil Sand (Fair Cloed)    5 334 Sandy Shale   L63 Cil Sand (Fair Cloed)    5 349 Cool   L68 Shale   C70 Sand (Cood Bloed)    6 349 Cool   L68 Shale   C70 Sandy Shale (Singh Shale)    7 416 Shale   Lime   Lime   L92 Sandy Shale (Singh Shale)    7 416 Shale   Lime   Lime   L96 Sandy Shale (Singh Oder)    7 417 Shale   Lime   L96 Sandy Shale (Shaley) (Little oil Shaw)    7 418 Shale   Z 1093 Block Sand (Shaley) (Some check Sand) (Good Bull Shaley) (Some check Sand) (Shaley) (Some check Sand) (Good Bull Shaley) (Some check Sand) (Shaley) (Shaley) (Little oil Shaley) (Shaley) (Little oil Shaley) (Shaley) (Little oil Shaley) (Little oil	5			18		Oil Sand (Good Beld)
1 391 Sand (Dry) AUG 16 2010 1 1.58 Black Sand (Stoley) (Strong oder)  1 301 Sand (Dry) AUG 16 2010 1 1.59 Rlack Shale  3 300 Sandy Shale  1 301 Line KCC WICHITA 1 18 650 Sandy Shale  3 311 Sand Dry)  2 1082 Cil Sand (Shaley) Fair Bleed)  1 313 Sand Shale  1 63 Cil Sand (Shaley) Fair Bleed)  1 317 Shale  2 185 Cil Sand (Stoled)  2 379 (co)  3 352 Shale  2 185 Cil Sand (Scot Bleed) (Some Shale)  3 352 Shale  2 186 Cil Sandy Shale (Sand Coot Bleed)  3 377 Black Stale  4 197 Shale  5 131 Lime  16 700 Cil Sand (Shaley) (Some Black Sand) (Good Bleed)  5 131 Lime  16 700 Cil Sand (Shaley) (Some Black Sand) (Good Bleed)  4 179 Work Stale  2 702 Hack Sand (Shaley) (Some Clack Sand) (Good Bleed)  3 177 Shale  3 170 Cil Sand (Shaley) (Some Clack Sand) (Good Bleed)  5 131 Lime  16 700 Cil Sand (Shaley) (Some Clack Sand) (Good Bleed)  1 413 Lime  2 702 Hack Sand (Shaley) (Some Clack Sand) (Good Bleed)  3 177 Shale  3 170 Sandy Shale  4 193 Work Stale  5 193 Shale  5 194 Sandy Shale  7 704 Sandy Shale  8 195 Shale  8 195 Shale  9 196 Sandy Shale  1 413 Shale  1 414 Shale  1 415 Sandy Shale  1 415 Sandy Shale  1 471 Bleek Shad (Strong oder)  1 471 Bleek Shad (Strong oder)	12	39 v	Shale RELEIVED	3	1:57	Klack sand (Fair o. 1 Shear)
5 311 Sand (Dry) Allo 1 2011 1 (59 Plack Shale  3 300 Sondy Shale  1 301 Line KCC WICHITA I (62 Shale  2 303 Slate  3 311 Sand Dry)  2 1082 Cil Sand (Shaley Fair Bleed)  1 375 Shale  1 630 Cil Sand (Fair Bleed)  1 377 Shale  2 188 Cil Sand (Load Bleed)  3 352 Shale  2 188 Cil Sand (Load Bleed)  3 352 Shale  2 188 Cil Sand (Load Bleed)  3 352 Shale  4 1672 Sondy Shale (Sand Strong Shale)  3 177 Block Shale  4 1673 Shale  5 177 Block Shale  7 1695 Rhack Sand (Shaley) (Some Shale)  5 177 Shale  7 1095 Rhack Sand (Shaley) (Some Black Sand) (Good Black)  7 177 Shale  7 172 Hack Sand (Shaley) (Some Black Sand) (Good Black)  8 179 Black Shale  7 104 Sandy Shale (Same ader)  1 413 Lime  7 104 Sandy Shale  7 104 Sandy Shale (Strong ader)  1 413 Line (Fart 3c att)  7 106 Sand (Shaley) (Some all Shau)  1 413 Shale  1 413 Shale  1 707 Sandy Shale  1 5 169 Sandy Shale  1 415 Blight Sandy Bhale  1 771 Bleek Shale (Strong ader)  1 415 Shale  1 771 Bleek Shale (Strong ader)  1 415 Sandy Stale (Olerash) (Rolling)  1 771 Bleek Shale (Strong ader)  1 415 Sandy Stale (Olerash) (Rolling)  1 771 Bleek Shale (Strong ader) (Little off 2600)	1 .	291	Line, , _ 1 C 2010	1	658	Nack Sand (Staley) (Strong oder)
3 30 Line KCC WICHITA 1 1 1662 Shale  303 Slate KCC WICHITA 1 1662 Shale  304 Shale  305 Shale  306 Shale  307 Shale  308 Shale  3	ъ	311	Sand (Dry) AUG 10 2010	1		Plack Shale
1 301 Line (CC WICHIT ) 1667 Shall 2 303 Slate (CC WICHIT ) 18 650 Sonely Shall 3 311 Sand Dry) 2 1082 Cil Sand (Shally Fair Bleed) 15 33 k Sandy Shale 1 63 0il Sand (Fair Bleed) 15 33 k Sandy Shale 1 63 0il Sand (Fair Bleed) 15 37 Shale 2 65 Shale 15 352 Shale 2 68 Shale 16 352 Shale 2 68 Shale 17 7 Mack Shale 4 696 Sandy Shale (Sight ode) 17 416 Shale 4 696 Sandy Shale (Slight ode) 18 431 Line 15 700 oil Sand (Shaley) (Little oil Shall) 18 437 Shale 2 702 Hack Sand (Shaley) (Same Black Sand) (Good Bush) 18 439 Mark Shale 2 700 oil Sand (Shaley) (Same Black Sand) (Good Bush) 18 439 Mark Shale 2 700 Sindy Shaley) (Same Black Sand) (Good Bush) 18 439 Mark Shale 2 700 Sindy Shaley) (Same oil Shall) 18 443 Line 700 Sandy Shale (Strong oder) 18 448 Shale 5 Light Sandy Shale (Strong oder) 18 456 Blight Sandy Shale 35 764 Sandy Shale (Strong oder) 18 456 Blight Sandy Shall (Strong oder) (Little oil show) 18 456 Blight Sandy Shall (Strong oder) (Little oil show)	3			2	661	Sandy Shale
3 311 Sand Dry)  2 1082 Cil Sand (Staley Fair Blood)  15 38 6 Sandy Shale  1 683 Oil Sand (Fair Clood)  2 147 Shale  2 188 Cil Sand (Lood Blood)  3 352 Shale  2 188 Cil Sand (Lood Blood)  3 377 Black Shale  4 197 Sandy Shale (Sight oder)  4 197 Sandy Shale (Slight oder)  5 431 Lime  5 431 Lime  1 15 100 oil Sand (Shaley) (Little oil Shaw)  5 437 Shale  7 702 Hack Sand (Score oder)  8 439 Black Shale  7 704 Sandy Shale (Some ader)  1 443 Lime (Fort scott)  7 704 Sandy Shale (Strong ader)  8 439 Black Shale  7 704 Sandy Shale (Strong ader)  8 439 Black Shale  9 706 Sand (Shaley) (Some oil Shaw)  1 443 Light Sandy Shale  1 448 Shale  1 5 709 Sandy Shale (Strong ader)  8 456 \$Light Sandy Shale  1 5 709 Sandy Shale  1 6 Strong ader)  8 456 \$Light Sandy Shale  1 771 Black Shad (Strong ader) (Little oil Show)	]		Lime KCC WICHIN	4 1	c62	Shale
3 311 Sand Dry)  2 io 82 Cil Sand (Shaley Fair Blood)  1 317 Shale  2 to 85 cil Sand (Fair Clood)  2 349 (coal)  3 352 Shale  2 to 85 cil Sand (Fair Blood)  3 352 Shale  2 to 85 cil Sand (Face Blood)  3 377 Block Shale  4 to 8 Sandy Shale (Singh oder)  3 177 Block Shale  4 to 8 Sandy Shale (Slight oder)  5 431 Lime  1 15 700 cil Sand (Shaley) (Little cil Shaw)  5 437 Shale  2 702 Hack Sand (Shaley) (Little cil Shaw)  6 439 Block Sale  7 702 Hack Sand (Some clark)  6 439 Block Sale  7 704 Sandy Shale  8 448 Shale  8 1501 Sandy Shale  8 1501 Sandy Shale  9 5 764 Sandy Shale  9 5 5 764 Sandy Shale  9 5 764 Sandy Shale	2				650	Sandy Shale
1 38 b Sandy Shale 1 317 Shale 2 685 0:1 Sand (Fair Bleed) 2 349 (oal) 3 352 Shala 2 688 cil Sand (Good Bleed) (Some Shale) 3 377 Black Shale 4 692 Sandy Shale (Sight ode) 3 177 Black Shale 4 698 Rlack Sand (Shaley) (Little oil Shaw) 5 431 Lime 1 13 900 0:1 Sand (Shaley) (Some Black Sand) (Good Bleed) 6 439 Black Shale 7 702 Hack Sand (Some Black Sand) (Good Bleed) 7 448 Shale 8 439 Black Shale 9 704 Sandy Shale (Strong ade) 8 438 Shale 9 704 Sandy Shale (Strong ade) 8 438 Shale 9 709 Sandy Shale (Strong ade) 9 448 Shale 9 709 Sandy Shale (Strong ade) 9 448 Shale 9 709 Sandy Shale (Strong ade)	ਬ		5and Dry)	2		Cil Sand (Shaley ) Fair Blood)
7 197 Shale 2 349 Coal 3 1 666 Shale 3 352 Shale 4 197 Sondy Shale (Good Blood) (Some Shale) 4 197 Sondy Shale (Some sill Sand (Fair file) 5 177 Markstell 7 1985 Block Sand (Shaley) (hittle oil shaw) 6 416 Shale 7 100 ail sand (Shaley) (Same Black Sand) (Good Block Sand) (Good Block Shale) 7 100 ail sand (Shaley) (Same Black Sand) (Good Block Shale) 7 107 Hack Sond (Sume Black Sand) (Good Block Shale) 7 108 Sandy Shale 7 108 Sandy Shale 8 198 Shale 8 198 Shale 9 109 Sundy Shale (Strong activ) 8 198 Shale 9 109 Sundy Shale (Strong activ) 9 198 Shale 9 109 Sundy Shale (Strong activ) 9 198 Shale (Strong activ)	45		Sand Shale			oil sand (Foir Place)
7 349 (oal  7 349 (oal  8 352 Shole  7 1888 Cil Sand (lood Bleed) (Some Shole  12 374 Lime  14 1972 Sondy Shole (Some cil Sand Start)  15 177 Mark Stale  16 1983 Block Sand (Stale) (hittle ail show)  17 18 18 18 18 18 18 18 18 18 18 18 18 18	11	347	Shale	2	E 85	011 Sand (Good Alced)
4 ig 2 Sandy Shale (Sight oder)  177 Mackstell  197 Glock Stale  2 ig 8 Rlock Sand (Staley) (hittle oil show)  5 431 Lime  16 700 oil Sand (Sight Ley) (Some Black Sand) (Good E  4 437 Stale  7 704 Sandy Stale (Some oder)  1 443 Lime  1 444 Sandy Stale  1 445 Strong oder)  1 445 Strong oder)  1 445 Strong oder)  1 446 Strong oder)	2	349	Coal	1		Shale
1 197 Sondy Shale (Strong acts)  1 197 Sundy Shale (Strong acts)  1 197 Sundy Shale (Strong acts)  1 197 Sundy Shale  1 198 Shale  1 1	3			Z		Cil Sand (Cood Bleed) (Some State)
777 Block state 79 416 State, 79 416 State, 700 61 Sand (Shaley) (Little oil show) 700 61 Sand (Shaley) (Some Black Sand) (Good Barry) 700 61 Sand (Shaley) (Some Black Sand) (Good Barry) 700 61 Sand (Statey) (Some oder) 700 Sandy State (Some oder) 700 Sandy State (Some oder) 700 Sandy State (Strong oder) 700 Sandy State 700 Sandy St	22		Lime.	4		Sandy Shale (Some ceil sand Sto) (Fair bleed
5 431 Lime. 15 700 01 Sand (Shaley) (Same black Sand) (Good E. 437 Shale 2 702 Hack Sand (Scine ader)  B 439 block Sale 2 704 Sandy State (Some ader)  4 443 Lime (Fort 36 att) 2 706 Sand (Shaley) (Some oil Shaw)  5 448 Shale 3 769 Sandy State (Strong ader)  6 456 & Light Sandy State 35 764 Sandy State (Strong ader)  1 437 Sandy State (Strong ader)  1 437 Sandy State (Strong ader) (Little oil show)	3		blacksLale	14	168 P	
5 431 Lime. 15 700 011 Sand (Sphaley) (Some Clack Sand) Good & 477 Shale 2 702 Hack Sand (Scine oder).  B 439 Block State 2 704 Sandy State (Some oder)  4 443 Lime (Fort 36 att) 2 706 Sand (Shaley) (Some oil Show)  5 448 Shale 3 709 Sandy State (Strong oder)  6 456 B Light Sandy State 35 764 Sandy State (Strong oder)  1 437 Sandy State (Strong oder)  4 771 Bleck Shad (Strong oder) (Little oil show)	39	416	state,	Zź		
B 439 Slovek State 7 704 Sandy State (Some oder)  1 443 Line (Fort 36 att) 2 706 Sand (Shaley) (Some oil Show)  3 169 Sandy State (Strong oder)  6 456 & Light Sandy Blade 35 764 Sandy State (Strong oder)  1 437 Sandy State (Oil sand Strong oder)  4 771 Black Shad (Strong oder) (Little oil slow)	15					011 Sand (Sihaley) (Some Clack Sand) (Good Bl
4 443 Light Sandy Shale 3 769 Sandy Shale (Strong adu)  5 448 Shale 3 769 Sandy Shale (Strong adu)  6 456 & Light Sandy Shale 35 764 Sandy Shale (Strong adu)  1 457 Sandy Shale (Strong adu)  4 771 Black Shad Strong adu) (Little of Show)	3					Hack Sand (Some oder)
5 456 & Light Sound Broke 35 764 Sound Shall Strong acts) 6 456 & Light Sound Broke 35 764 Sound Shall Strong oder) 1 457 Sound Shall offended 3 767 Sound Shall Strong oder) (Little off show)	B		Blockstole	12		Sandy Style Some oder
5 456 & Light Sound Broke 35 764 Sound Shall Strong acts) 6 456 & Light Sound Broke 35 764 Sound Shall Strong oder) 1 457 Sound Shall offended 3 767 Sound Shall Strong oder) (Little off show)	4		Lime (Fort scott)	12		
457 Sandy state (oil sandet) (Post Beach 3 767 Sand is to be (Strong oder) (Little oil show)	5		Shalo.	1.3		
4 771 Black shad Btrong oder (Little of show)	5	456	& Light Sandy Shall			Sandy shafe
TD goo Chale Dork (Strong oder) (Little of show)		457	Sendy Shalle ( Oil send Str.) (Post les			Server State (Stromp oder)
William Water ILJ & GO Khall Nor K	. /					Bleck SAND (Strong oder) [Little of show)
				117	. <i>6</i> 00	shall not R