KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGIN

0001

Form ACO-1 October 2008
Form Must Be Typed

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

12/07/11

KCC WICHITA

OPERATOR: License # 32294	API No. 15 - 121-28674-0000				
Name: Osborn Energy, LLC	Spot Description:				
Address 1: 24850 Farley					
Address 2:					
City: Bucyrus State: KS Zip: 66013 +					
Contact Person: Curstin Hamblin	Footages Calculated from Nearest Outside Section Corner:				
Phone: (913) 533-9900	□NE □NW ☑SE □SW				
CONTRACTOR: License #_32294	County: Miami				
Name: Osborn Energy, L.L.C.	Lease Name: Fischer Well #: 3-21				
Wellsite Geologist: Curstin Hamblin	Field Name: Louisburg				
Purchaser: Akawa Natural Gas, L.L.C.	Producing Formation: Cherokee				
Designate Type of Completion:	Elevation: Ground: 1043 Kelly Bushing:				
New Well Re-Entry Workover	Total Depth: 765 Plug Back Total Depth:				
Oil SWD SIOW	Amount of Surface Pipe Set and Cemented at: 20.5' Feet				
Gas ENHR SIGW	Multiple Stage Cementing Collar Used? ☐ Yes ☑ No				
CM (Coal Bed Methane) Temp. Abd.	If yes, show depth set:Feet				
Dry Other	If Alternate II completion, cement circulated from: 0				
(Core, WSW, Expl., Cathodic, etc.)	feet depth to: 729.21 w/ 149 sx cmt.				
If Workover/Re-entry: Old Well Info as follows:					
Operator: Osborn Energy, L.L.C.	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) RFM 1-8-10				
Well Name: Fischer 3-21					
Original Comp. Date: 1/5/2009 Original Total Depth: 765	Chloride content: ppm Fluid volume: bbls				
Deepening Re-perf Conv. to Enhr Conv. to SWD	Dewatering method used:				
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:				
Commingled Docket No.:	Operator Name:				
Dual Completion	Lease Name: License No.:				
Other (SWD or Enhr.?) Docket No.:	Quarter Sec TwpS. R East West				
11/26/2008	_ =				
Recompletion Date Recompletion Date Recompletion Date	County: Docket No.:				
INSTRUCTIONS: An original and two copies of this form shall be filed with cansas 67202, within 120 days of the spud date, recompletion, workover or consider two of this form will be held confidential for a period of 12 months if required tiality in excess of 12 months). One copy of all wireline logs and geologist we BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 for	onversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information uested in writing and submitted with the form (see rule 82-3-107 for confiden- Il report shall be attached with this form. ALL CEMENTING TICKETS MUST				
All requirements of the statutes, rules and regulations promulgated to regulate the are complete and correct to the best of my knowledge.	ne oil and gas industry have been fully complied with and the statements herein				
Signature: Custon Haublen	KCC Office Use ONLY				
Title: (910)0318 + Date: 12.7.09	Letter of Confidentiality Received				
Subscribed and sworn to before me this 7th day of December	, If Denied, Yes Date:				
20 09	Wireline Log Received RECEIVED				
	Geologist Report Received				
Notary Public: Jone Brews!	UIC Distribution [, 2009				
Notary Public	[

My Commission Expires 3.23.11

Side Two

New Used a, intermediate, production, etc. Setting Type of Lysed Vised Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy) List All E. Logs Run: Camma Ray Neutron CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of Suring Size Hole Drilled Size Casing Weight Setting Type of Sucks Type and Percent Additives Surface 12 1/4" 8 5/8" ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Pup Back TD Depth Type of Cement Sacks Used Type and Percent Additives Top Datum Name Top Datum Name Top Datum Name Top Datum	Samples Sent to Geological Survey Yes No No Sietertic Log Run (Submit Copy)	Samples Sent to Geological Survey Cores Taken Yes No No Electric Log Run (Submit Copy) List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Lbs. / Ft. Depth Cement Used Additives Purpose Type of Sacks Water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel Purpose:	Samples Sent to Geological Survey Yes No Name Top Datum	Drill Stem Tests Taken (Attach Additional St	(2199)	☐ Yes 🕡 No		Log Formation (Top), De		epth and Datum		
New Used a intermediate, production, etc. Setting Type of Cernent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Electric Log Run (Submit Copy) List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Setting Type of Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Putp Back TD Depth Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (in 0.D) Lbs. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Perforate Protect Casing	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Set (in 0.D.) Set (in 0.D.) Set (in 0.D.) Depth Cement Used Vised Nadditives Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement / Sacks Used Type and Percent Additives Type and Percent Additives Type and Percent Additives	•	•		Na	me		Тор	Datum	
New Used a, intermediate, production, etc. Setting Type of Cernent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Drilled Set (In O.D.) Uss./ Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Opth Top Bottom Type of Cement #Sacks Used Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Drilled Set (In O.D.) Se	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Setting Type of Used Used Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.D.) Set (In O.D.) Set (In O.D.) Portland 6 sacks Water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives	Cores Taken Electric Log Run (Submit Copy)		· V Yes VNo		v				
Setting Type of Used Type and Percent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Drilled Set (In O.D.) Used String Set (In O.D.) Used Set (In O.D.) Set (In O.D.) Used Set (In O.D.) Used Used Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives Protect Casing Protect Casing Pug Back TD	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Drilled Set (in O.D.) Use. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Lbs. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Type of Cement Sacks Used Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Use/ Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives	List All E. Logs Run:				,				
Setting Type of Used Sacks Type and Percent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Use. / Ft. Setting Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD CASING RECORD New Used Weight Used Setting Type of Cement Sacks Water 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Use, / Ft. Setting Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD CASING RECORD New Used Weight Depth Cement Used Sacks Water 1 Sacks Water 7 29.21 50/50 poz 149 sacks premium gel Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Size Casing Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Boltom Type of Cement #Sacks Used Type and Percent Additives	Gamma Ray N	leutron-	ĴĒ						
Setting Type of Used Type and Percent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	E TO W	·	CACINIC	<u> </u>	Now Utland				
Depth Cement Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD Depth Cement Used Additives Additives Younger Additives Tope of Cement #Sacks Used Type and Percent Additives	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD Drilled Set (In O.D.) Lbs./ Ft. Depth Cement Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel Type and Percent Additives Type and Percent Additives	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives Additives Your Coment Used Additives Additives Your Cement Used Additives Additives Top Bottom Type of Cement Sacks Used Type and Percent Additives	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Depth Type of Cement #Sacks Used Type and Percent Additives	Bar De					ion, etc.			
729.21 50/50 poz 149 sacks premium gel	Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Facility of Cement #Sacks Used	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives Perforate									
	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate	Surface	12 1/4"	8 5/8"		20.5'	Portland	6 sacks	water	
SQUEEZE RECORD	Purpose: — Perforate — Protect Casing — Plug Back TD Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives Type and Percent Additives	Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives — Perforate — Protect Casing — Plug Back TD	Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate Protect Casing	Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate	Production	7 7/8"	5 1/2"		729.21	50/50 poz	149 sacks	premium gel	
	Perforate Top Bottom Top Bottom Protect Casing Plug Back TD	Perforate Top Bottom Protect Casing Plug Back TD	Perforate Top Bottom T	Perforate Top Bottom Top Bottom Top Bottom			ADDITIONA	AL CEMENTING / SO	QUEEZE RECORD	· ·		<u> </u>	
d Type and Percent Additives					Perforate Protect Casing		Type of Cement	#Sacks Used		Type and I	Percent Additives	· · · · · · · · · · · · · · · · · · ·	
		Plug Uti Zone	— Plug Off Zone								**		
Acid Frankric Shet Commer Samuel	Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cernent Squeeze Record (Amount and Kind of Material Used) Depth		DEDECORATION DECORD Bridge Division Confirms		Shots Per Foot								
		Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	4 shots/foot	505-514 - NEW PERFS			400 gal 15% acid, sand fracture RECEIVED				
400 gal 15% acid, sand fracture DECE 505-514	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture DECE 505-514	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture DECEN 505-514	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture process 505-514	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 4 shots/foot 505-514 ABOUT ALL STATES 400 gal 15% acid, sand fracture DECE: 505-514							D	EC 0 9 2009	
400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture RECEIVED	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture RECEIVED					_		KC(C WICHITA	
400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	1	<u>.</u>	Sar Au	Packer At:	Liner Run:				
(Amount and Kind of Material Used) 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009 KCC WICHTA	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009 KCC WICHTA TUBING RECORD: Size: Set At: Packer At: Liner Run:	4 shots/foot 505-514 - NEW PERIS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009 TUBING RECORD: Size: Set At: Packer At: Liner Run:	Specify Footage of Each Interval Perforated 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009 KCC WICHTA TUBING RECORD: Size: Set At: Packer At: Liner Run:	Specify Footage of Each Interval Perforated 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009 KCC WICHTA TUBING RECORD: Size: Set At: Packer At: Liner Run:	TUBING RECORD:	Size:	Set At.			Yes [V No	J	72	
Acid Empty Chat Comment Comment	Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record	Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record		—— Plug Off Zone	Shots Per Foot	Specify	Footage of Each Interval Pe	erforated	400 gal 15	mount and Kind of M	I fracture	HEI	
Acid Fraction Shot Commet Comment Description			DEDECORATION DECORD DAILS CONTINUE CONT		Shots Per Foot								
		Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	4 shots/foot	505-514 - NEW PERFS							
(Amount and Kind of Material Used) Depth 400 gal 15% acid, sand fracture	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture DECE 505-514	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture process 505-514	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture DECEN 505-514	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture process 505-514							D	EC 0 9 2009	
400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture RECEIVED	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture RECEIVED						<u>.</u>	KC(C WICHITA	
400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED DEC 0 9 2009								~ VVIUHITA	
400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED	4 shots/foot 505-514 - NEW PERFS 400 gal 15% acid, sand fracture RECEIVED	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture RECEIVED	Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot Specify Footage of Each Interval Perforated 4 shots/foot 4 shots/foot Specify Footage of Each Interval Perforated 400 gal 15% acid, sand fracture RECEIVED							KC(C WICHITA	
(Amount and Kind of Material Used) Depth		Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Deptr	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth	4 shots/foot	shots/foot 505-514 - NEW PERFS				KECEIVED			
Acid Francis Court Court Court Court			DESCRIPTION DECORD Bridge Division Control		Shots Per Foot								
		Plug UTI Zone		— Plug Back TD	—— Protect Casing —— Plug Back TD	lop Bottom							
d Type and Percent Additives			ruy back ID		—— Perforate —— Protect Casing		Type of Cement	#Sacks Used		Type and I	Percent Additives	· · · · · · · · · · · · · · · · · · ·	
d Type and Percent Additives	— Protect Casing — Plug Back TD	Protect Casing Plug Back TD	Protect Casing		•				QUEEZE RECORD		Percent Additives	· · · · · · · · · · · · · · · · · · ·	
SQUEEZE RECORD	Purpose: — Perforate — Protect Casing — Plug Back TD Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives Type and Percent Additives	Purpose: — Perforate — Protect Casing — Plug Back TD Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives Type and Percent Additives	Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate Protect Casing	Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate			ADDITIONA	U CEMENTING / SC	OUEEZE RECORD				
SQUEEZE RECORD	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate	Production	7 7/8"	5 1/2"		729.21	50/50 poz	149 sacks	premium gel	
	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Type of Cement #Sacks Used Type and Percent Additives Perforate	Surface	12 1/4"	8 5/8"		20.5'	Portland	6 sacks	water	
729.21 50/50 poz 149 sacks premium gel	Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD **Sacks Used Type and Percent Additives **Sacks Used Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing ADDITIONAL CEMENTING / SQUEEZE RECORD Type and Percent Additives Type and Percent Additives	ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives — Perforate	~. ·								
Depth Cement Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD Dilled Set (In O.D.) Lbs./Ft. Depth Cement Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel Type of Cement #Sacks Used Type and Percent Additives	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD Drilled Set (In O.D.) Lbs./Ft. Depth Cement Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel Type of Cement #Sacks Used Type and Percent Additives	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing	Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Depth Type of Cement #Sacks Used Type and Percent Additives		Size Hole	1			T	# Sarks	Type and Percent	
Setting Type of Cernent Used Type and Percent Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	To and a							·····	
Setting Type of Used Sacks Type and Percent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.	Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Set (In O.				<u> </u>		<u> </u>			
Setting Type of Used Sacks Type and Percent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Use/Ft. Setting Depth Cement Used Type and Percent Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD CASING RECORD New Used Weight Used Setting Type of Cement Sacks Water 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Use, / Ft. Setting Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Plug Back TD CASING RECORD New Used New Used Sacks Weight Depth Cement Used Sacks Water 7 29.21 50/50 poz 149 sacks premium gel Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Ubs. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Protect Casing	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Size Casing Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Boltom Type of Cement #Sacks Used Type and Percent Additives	Gamma Ray A	leutron-	ĴĹ	C 0 (2303					
Setting Type of Used Sacks Type and Percent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Drilled Set (In O.D.) Lbs. / Ft. Setting Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives - Perforate Protect Casing Pug Back TD	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Ubs. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Setting Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Type of Cement Sacks Used Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Set (In O.D.) Weight Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives					,				
New Used a, intermediate, production, etc. Setting Type of Cernent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives ADDITIONAL Type of Cement Packs Used Type and Percent Additives Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Dutled Drilled Set (in O.D.) Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives ADDITIONAL Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Setting Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Depth Cement Used Set (In O.D.) Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives	Electric Log Run								
New Used a, intermediate, production, etc. Setting Type of Cernent Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Electric Log Run (Submit Copy) List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Setting Type of Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Putp Back TD Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (in 0.D) Lbs. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Perforate Protect Casing Type of Cement #Sacks Used Type and Percent Additives Type and Percent Additives Type and Percent Additives	CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Set (in 0.0.) Set (in 0.0.) Set (in 0.0.) Depth Cement Used Additives Purpose of String Type of Cement Used Size Casing Set (in 0.0.) Set (in 0.0.) Depth Cement Used Additives Purpose Type of Set (in 0.0.) Type and Percent Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement Sacks Used Type and Percent Additives Type and Percent Additives	Samples Sent to Geolo	gical Survey	Yes 🗹 No	Na	me		Тор	Datum	
New Used a, intermediate, production, etc. Setting Type of Sacks Used Additives 20.5' Portland 6 sacks water 729.21 50/50 poz 149 sacks premium gel	Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy) List All E. Logs Run: CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Size Casing Weight Setting Type of Sacks Type and Percent Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives ADDITIONAL CEMENTING / SQUEEZE RECORD	Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy) List All E. Logs Run: Gemma Ray Neutron CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of Suring Size Hole Size Casing Set (In O.D.) Ubs. / Ft. Depth Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives ADDITIONAL CEMENTING / SQUEEZE RECORD	Samples Sent to Geological Survey Cores Taken Clectric Log Run (Submit Copy) List All E. Logs Run: Casing Record Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Set (In O.D.) Size Casing Weight Lbs. / Ft. Depth Production 7 7/8" Size Additives ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Protect Casing Depth Top Bottom Type of Cement Product Casing Product Casing Depth Top Bottom Type of Cement Packs Production Type and Percent Additives Type and Percent Additives Type and Percent Additives Type and Percent Additives	Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy) List All E. Logs Run: Gemma Ray Neutron CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc. Purpose of String Size Hole Drilled Size Casing Weight Lbs./ Fit. Setting Type of Cement Used Additives Surface 12 1/4" 8 5/8" 20.5' Portland 6 sacks water Production 7 7/8" 5 1/2" 729.21 50/50 poz 149 sacks premium gel ADDITIONAL CEMENTING / SQUEEZE RECORD Purpose: Perforate Depth Top Bottom Type of Cement #Sacks Used Type and Percent Additives	Drill Stem Tests Taken (Attach Additional Sh	eets)	☐ Yes 🗹 No		Log Formatio	n (Top), Depth an	nd Datum	Sample	