

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1055377

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					
Citv: S	tate: Zip:+	Feet from East / West Line of Section					
		Footages Calculated from Nearest Outside Section Corner:					
,		County:					
		Lease Name: Well #:					
		Field Name:					
0							
		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 (Con	e, Expl., etc.):	feet depth to:w/sx cmt					
If Workover/Re-entry: Old Well In	fo 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		Chloride content: ppm Fluid volume: bbls					
		Dewatering method used:					
Plug Back:	Plug Back Total Depth	Location of fluid disposal if hauled offsite:					
Commingled	Permit #:						
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 Rea Recompletion Date	ached TD 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	1055377
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 She	eets)	Yes No	L		n (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	ical Survey	Yes No	INdill	C		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<ul> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> </ul>					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / 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 F Each Interval		e	,		ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	ze:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Pr	oduct	on, SWD or ENH	<i>₹</i> .	Producing N		oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION	OF	BAS:			METHOD (	OF COMPLE	TION:		PRODUCTION INTE	RVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit)		Commingled (Submit ACO-4)		
(If vented, Subm	it ACC	-18.)		Other (Specify	)					

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802

Thomas E. Wright, Chairman Ward Loyd, Commissioner



phone: 316-337-6200 fax: 316-337-6211 http://kcc.ks.gov/

Corporation Commission

Sam Brownback, Governor

May 09, 2011

Leon Rodak Murfin Drilling Co., Inc. 250 N WATER STE 300 WICHITA, KS 67202-1216

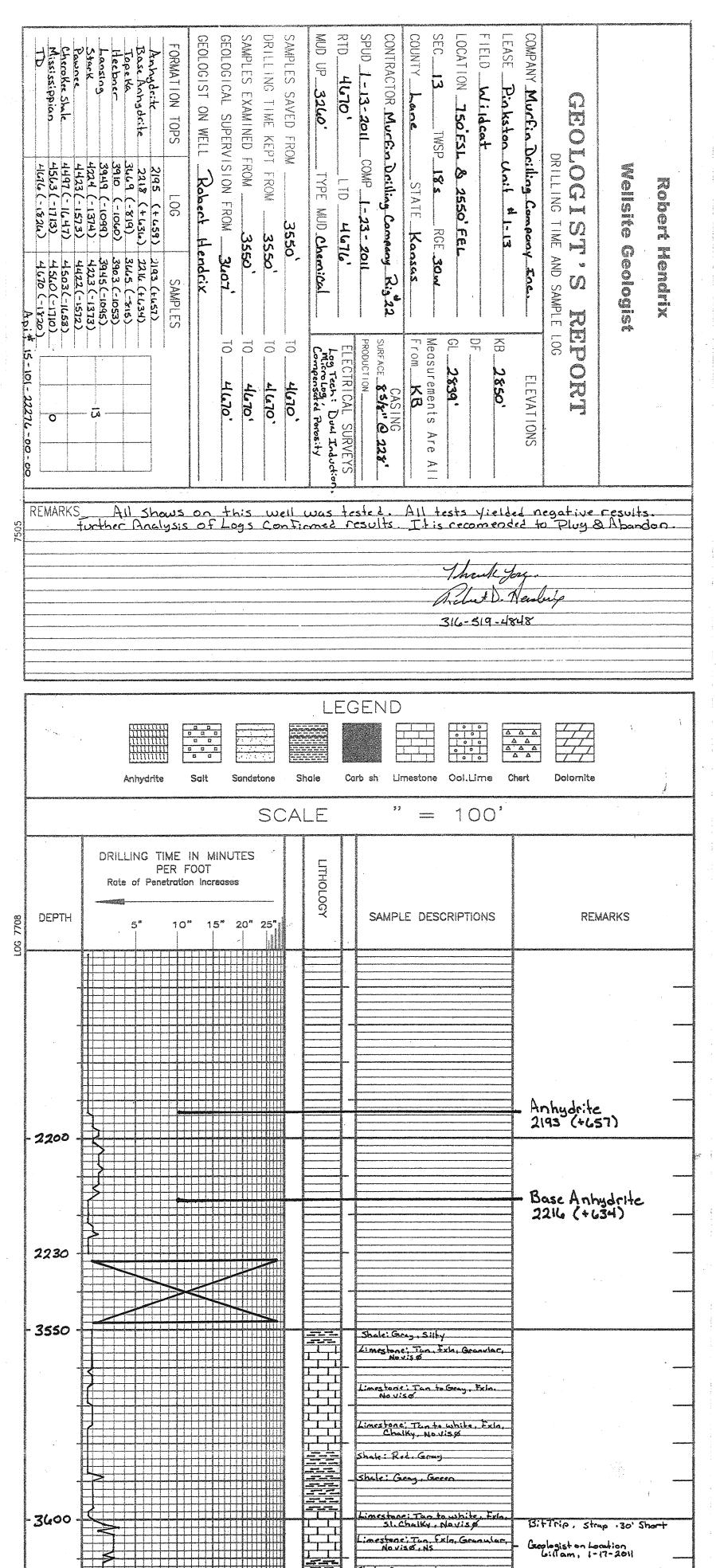
Re: ACO1 API 15-101-22276-00-00 Pinkston Unit 1-13 SE/4 Sec.13-18S-30W Lane County, Kansas

**Dear Production Department:** 

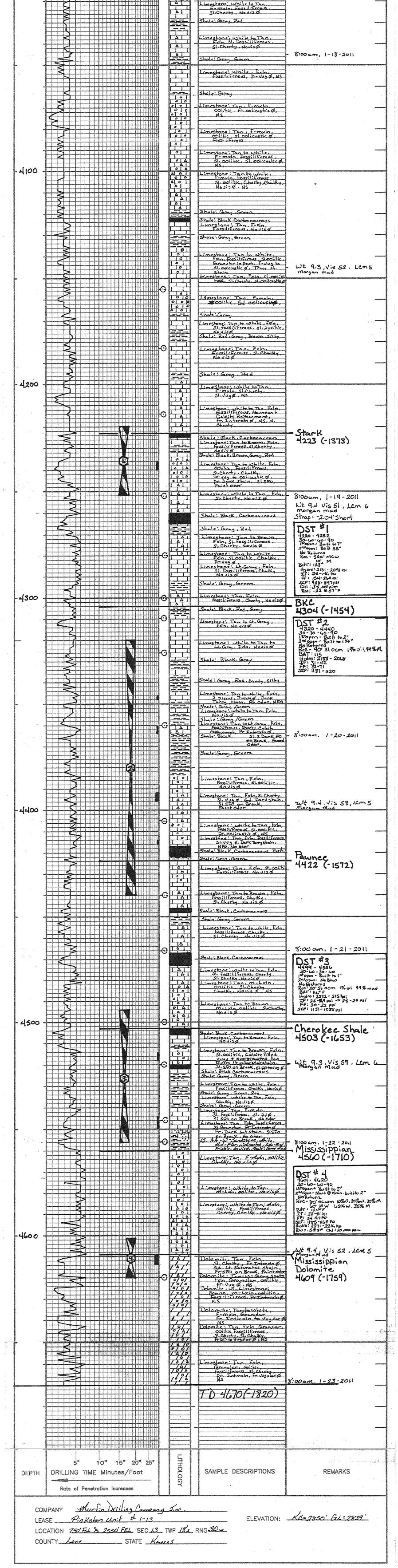
We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Leon Rodak



發	╠ <del>╶╶┤╼<i>┫</i>╶┥╍┼╍┨╍┽╍┼╍╋╍┾╍┠╍┼╌┼╌┼╍┼╋┍┼┿┼┥╋┝┼┿╋</del> ╋┾┾┽			Gillam, 1+(1-2011
			Shale: Gray, silty Shale: Red. Gray	
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
the state of the s			Limestone; TuntoGray, Fxh, Chulky, Novisg	
			Chulky, Novisø	
			Limestone: Ten, Fxlo, Chalky, SI. fossil: Ferous, No Uis Ø	
			SI. Foss;1: Fecous. No Vis &	
				- 8100 am, 1-17-2011
			Shale: Gray, Green, Silty	
			Shale: Gray, Black, Green	
			Shale: Black, Gray	
-				
				- Topeka 3665(-815)
19 06-2010			Limestone: White, Frin, Sl. oplific, tossilificaus,	2003 ( 012)
-			SI. Chalky, Novisø	
			Shale: Gray	
			Linestone: white to Tun Exla. Fossi liferous, sl. Chalky. No vis g	
			Novisø	
-			· · · · · · · · · · · · · · · · · · ·	
			Shale: Black, Bray/Green	
-3700 .			Limestone: While to Tan, Feln, Fossiliferous, Novis of	
·			Fossili Freess Novis g	
			Shale; Gray, Green	
			·	-
		निन्	Limestonei Tan to white, Main. Fossiliferous, el milite	
			Limestone: In to white, Mala, Fossiliferous, sh. collific, Pr- 109 & Shale: Black,	
			Shale; Gray, Red	
			Limestone: white to Tan. Fim.kn fossilifectous.sl.001itic,	
NCROPPILATION			Fossilifectus, sl-Oolitic, Nauls Ø	* Analysis and the second s
			Shale: Black, Gray, Red	
		[ === .		
			Linestone: white, Film Granular, pr. Intershop	- Andrew - A
	<u>▋╶┼╾┻╋╋╁┽┿┽╋┽┿┿</u> ╫╢			
			Limestone: Tan to White, Exla. Fossili Ferous. No Vis g	
		▋┣┽┹╬╴		- WE 9.2, Vis 50, LCm 2 - Morgan Mud
			Limectone : white to H. Gray	Morgan Mud
			Limestanc: white to U.Geay, F-MXIN, colific, Chalky tossilitecous, Novis Q	
			Shale: Gray silty micareous	
			Shale; Black Canbona crous Limestone: Tan, Exta, Granular, Shale; Black	
			Shale: Black	
			Shate: Gray, Rod	a contraction of the contraction
- 7800			Limestone: White to Tan. Ida.	
-3800			Einestone: White to Tan. Exta. Fossiliferous, V-Chalky. Ale vis p	
			Limestone; white to Two, Frlan	
			Linestone: White to Two, Exla, Fossilifecous. Chalky. Novisø	
			l'mestanei uspite trin	
			Limestone: white, Exla, Fossiliferous, Grandlar, pr. Interxlo & Shale: Red, Gray	
			Shale: Red, Gray	
		二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二	Linestone: white to Two.	
			Linestone; while to Two, fxin, fossiliferous,	
			Linestone: white to Two, Frin, fossiliferous, Novisor Shale: Black.Gray Shale: Red & Gray	
			Linestone: white to Two. Frin. tessiliferous. No viso Shale: Black.Gray Shale: Zeiz.Gray	
			Linestonei while to Tag. Frlo.	
			Linestonei while to Tag. Frlo.	
			Limestone: while to Tan, filo, Fossilitereus, Granulac, Navisø Shale: Gray, Green	
			Limestone: while to Tan, filo, Fossilitereus, Granulac, Navisø Shale: Gray, Green	
			Linestonei while to Tag. Frlo.	
			Limestone: while to Tan, fila, Fossiliterous, Granulac, Novisø Shale: Groy, Green Limestone: Shile, F-milo, V-Fossiliferous, Granular, Slichelky, Novisø	
			Limestone: while to Tan, fila, Fossiliterous, Granulac, Novisø Shale: Groy, Green Limestone: Shile, F-milo, V-Fossiliferous, Granular, Slichelky, Novisø	
			Limestone: while to Tan, fila, Fossiliterous, Granulac, Novisø Shale: Groy, Green Limestone: Shile, F-milo, V-Fossiliferous, Granular, Slichelky, Novisø	
			Limestone: while to Tan, filo, Fossilitereus, Granulac, Navisø Shale: Gray, Green	
			Limestone: while to Tan. Fran. Fossiliterous Gradular. Noviso Shale: Gray: Green Limestone: White, F-mxin. V-Possiliferous Gradular. Slicheldy, Noviso Limestone: white to Tan. Frin. Possiliferous, multiple shale streaks within 15 pieces. Noviso Shale: Brown Gray	
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Gray Green. Limestone: White, F-orxin. V-Fossiliterous Granver. Sichalky, Novisg Limestone: while to Tan. Fran. Fossiliterous, Multiple Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Limestone: Brown, Fran, Chilky, tossiliterous, Novisg.	
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Gray Green. Limestone: White, F-orxin. V-Fossiliterous Granver. Sichalky, Novisg Limestone: while to Tan. Fran. Fossiliterous, Multiple Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Limestone: Brown, Fran, Chilky, tossiliterous, Novisg.	- Heebner 3903 (cupes)
-3900			Limestone, while to Tan, Fran, Fossiliterous, Garaviac, Novisg Shale: Gray, Green Limestone: White, F-ordon, V-Fossiliterous, Gravier, Sichalky, Novisg Limestone: White to Tan, Fran, Fossiliterous, Multiple Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Shale: Brown, Gray Limestone: Brown, Fran, Chilky, tossiliterous, Novisg.	- Heebner 3903 (-1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Gray Green. Limestone: White, F-orxin. V-Fossiliterous Granver. Sichalky, Novisg Limestone: while to Tan. Fran. Fossiliterous, Multiple Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Willing Shale Streaks Limestone: Brown, Fran, Chilky, tossiliterous, Novisg.	
-3900			Limestone: while to Tag. Fran. Fossiliterous Garaviac. Novisg Shale: Gray. Green Limestone: White, F-orxin, V-Fossiliferous Graviar, Sichalky, Novisg Limestone: while to Tag. Frig. Fossiliferous, Graviar, Movisg Shale: Brown Gray Limestone: Brown Frig. Chalky, tossiliferous, Novisg Shale: Black. Corbonaceous Limestone: Tag. Frig. Shale: Black. Corbonaceous Limestone: Tag. Frig. Shale: Black. Rec	
-3900			Limestone: while to Tan. fran. Fossiliterous. Greanlac. Novisg Shale: Gray. Green. Limestone: while forman. V-Fossiliterous. Grandar. Shale: Gray. Novisg Limestone: while to Tan. Frig. Fossiliterous. Multiple Shale streaks Within 15 pieces. Novisg Shale: Brown. frig. Chiky, fossiliterous. Novisg. Shale: Black. Corbonaceous Limestone: Brown. frig. Shale: Black. Corbonaceous Limestone: Tran frig. Fossiliterous. Novisg. Shale: Black. Rec Shale: Gray. Black. Rec Limestone: while to Tan. Frig.	
-3900			Limestone: while to Tag. Fran. Fossiliterous Garaviac. Novisg Shale: Gray. Green Limestone: White, F-orxin, V-Fossiliferous Graviar, Sichalky, Novisg Limestone: while to Tag. Frig. Fossiliferous, Graviar, Movisg Shale: Brown Gray Limestone: Brown Frig. Chalky, tossiliferous, Novisg Shale: Black. Corbonaceous Limestone: Tag. Frig. Shale: Black. Corbonaceous Limestone: Tag. Frig. Shale: Black. Rec	
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Gray Green Limestone: White, F-ordon V-Fossiliterous Grander, Sichalky, Novisg Limestone: white to Tan. Fran. Fossiliterous, Multiple Shale Streaks Within Los Preces. Novisg Shale: Brown, Gray Limestone: Brown, Fran. Chilky, tossiliterous. Novisg. Shale: Black, Carbonaceous Limestone: Jan. Fran. Fossiliterous. Novisg. Shale: Black, Carbonaceous Limestone: Jan. Fran. Fossiliterous. Novisg. Shale: Black, Red Limestone: white to Tan. France, Jan. Fran. Fossiliterous. Novisg. Shale: Gray Black, Red	
-3900			Limestone: while to Tan. fran. Fossiliterous. Greanlac. Novisg Shale: Gray. Green. Limestone: while forman. V-Fossiliterous. Grandar. Shale: Gray. Novisg Limestone: while to Tan. Frig. Fossiliterous. Multiple Shale streaks Within 15 pieces. Novisg Shale: Brown. frig. Chiky, fossiliterous. Novisg. Shale: Black. Corbonaceous Limestone: Brown. frig. Shale: Black. Corbonaceous Limestone: Tran frig. Fossiliterous. Novisg. Shale: Black. Rec Shale: Gray. Black. Rec Limestone: while to Tan. Frig.	
-3900			Limestone: while to Tan. File. Fossiliterous Granulac. Novisp Shale: Gray. Green Limestone: Shile Fronko. V-Fossiliterous Granular. Slichalky, Novisp Limestone: while to Tan. Frig. Fossiliterous, Movisp Shale: Brown. Gray Limestone: Brown. Frig. Chilky, fossiliterous. Novisp. Shale: Black. Cerbonaceous himestone: Brown. Frig. Shale: Black. Cerbonaceous himestone: Jan. Frig. Fossiliterous. Novisp. Shale: Black. Cerbonaceous himestone: Jan. Frig. Fossiliterous. Novisp. Shale: Black. Cerbonaceous himestone: While to Tan. Fossiliterous. Neviso Shale: Gray. Black. Red Limestone: while to Tan. File. Limestone: while to Tan. Fossiliterous. Neviso	3903 (- 1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Gray Green Limestone: White, F-ordon V-Fossiliterous Grander, Sichalky, Novisg Limestone: white to Tan. Fran. Fossiliterous, Multiple Shale Streaks Within Los Preces. Novisg Shale: Brown, Gray Limestone: Brown, Fran. Chilky, tossiliterous. Novisg. Shale: Black, Corponaceous Limestone: Jan. Fran. Fossiliterous. Novisg. Shale: Black, Corponaceous Limestone: Jan. Fran. Fossiliterous. Novisg. Shale: Gray Black, Red Limestone: white to Tan. Fossiliterous. Novisg.	3903 (- 1053)
-3900			Limestone: while to Tan. Film. Fossiliterous. Greanlac. Novisp Shule: Gray. Green. Limestone: Shile Fronko. V-Fossiliterous. Grandur. Slichalky. Novisp Limestone: while to Tan. Frin Fossiliterous. Mavisp Shale: Brown. Gray Limestone: Brown. Frin. Chilky. Fossiliterous. Novisp. Shale: Black. Corbonaceous himestone: Brown. Frin. Fossiliterous. Novisp. Shale: Black. Corbonaceous himestone: Jan. Frin. Fossiliterous. Novisp. Shale: Black. Corbonaceous himestone: Jan. Frin. Fossiliterous. Novisp. Limestone: while to Tan. Film. Fossiliterous. Novisp. Limestone: while to Tan. Film. Fossiliterous. Novisp. Limestone: while to Tan. Film. Limestone: while to Tan. Film. Chalky. Novisp. Shale: Gray. Red	
-3900			Limestone: while to Tan. Fran. Fossiliterous Granulac. Novisg Shale: Gray. Green Limestone: While Frankon V-Fossiliferous Granular, Sichalky, Novisg Limestone: while to Tan. Frances bale streaks Within 1s pieces. Novisg Shale: Brown Gray Limestone: Brown Frin. Chilky, tossiliferous. Novisg Shale: Black Corbonaceous Limestone: Tan. Fran. Fossiliferous. Novisg Shale: Gray. Black, Rec Limestone: while to Tan. Fran. Fossiliferous. Novisg Shale: Gray. Black, Rec Limestone: while to Tan. Fran. Chalky, Novisg Shale: Gray. Red Limestone: White to Tan. Fran. Shale: Gray. Black, Rec Limestone: white to Tan. Fran. Shale: Gray. Black, Rec Limestone: white to Tan. Shale: Gray. Red	3903 (- 1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Grey. Green Limestone: While Forman. V-Fossiliferous Granuter. Sichalky, Novisg Limestone: while to Tan. Frances Dessiliferous, Movieg Shale: Brown Gray Limestone: Brown Franch Korstiliferous. Novisg Shale: Black Corponaceous Limestone: Brown Franch Fossiliferous. Novisg Shale: Black Corponaceous Limestone: While to Tan. France Chalky, Novisg Limestone: while to Tan. France Limestone: while to Tan. France Chalky, Novisg Shale: Gray. Black, Red Limestone: while to Tan. France Limestone: While to Tan. France Shale: Gray. Red	3903 (- 1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Grey. Green Limestone: While Forman. V-Fossiliferous Granuter. Sichalky, Novisg Limestone: while to Tan. Frances Dessiliferous, Movieg Shale: Brown Gray Limestone: Brown Franch Korstiliferous. Novisg Shale: Black Corponaceous Limestone: Brown Franch Fossiliferous. Novisg Shale: Black Corponaceous Limestone: While to Tan. France Chalky, Novisg Limestone: while to Tan. France Limestone: while to Tan. France Chalky, Novisg Shale: Gray. Black, Red Limestone: while to Tan. France Limestone: While to Tan. France Shale: Gray. Red	3903 (- 1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Granulac. Novisg Shale: Gray. Green Limestone: While Frankon V-Fossiliferous Granular, Sichalky, Novisg Limestone: while to Tan. Frances bale streaks Within 1s pieces. Novisg Shale: Brown Gray Limestone: Brown Frin. Chilky, tossiliferous. Novisg Shale: Black Corbonaceous Limestone: Tan. Fran. Fossiliferous. Novisg Shale: Gray. Black, Rec Limestone: while to Tan. Fran. Fossiliferous. Novisg Shale: Gray. Black, Rec Limestone: while to Tan. Fran. Chalky, Novisg Shale: Gray. Red Limestone: White to Tan. Fran. Shale: Gray. Black, Rec Limestone: white to Tan. Fran. Shale: Gray. Black, Rec Limestone: white to Tan. Shale: Gray. Red	3903 (- 1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Gray Green Limestone: White, F-order. V-Fossiliterous Greander. Sichalky, Novisg Limestone: White to Tan. Frin. Fossiliterous. Mavisg Shale: Brown Gray Limestone: Brown Frin. Chalky, tossiliterous. Novisg Shale: Black. Corponaceous Limestone: Brown Frin. Fossiliferous. Novisg Shale: Gray. Black. Red Limestone: while to Tan. Frin. Fossiliferous. Nevisg Shale: Gray. Black. Red Limestone: while to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Shale: Gray. Red Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Shale: Gray. Red	3903 (- 1053)
-3900			Limestone: while to Tan. Fran. Fossiliterous Greanlac. Novisg Shale: Grey. Green Limestone: While Forman. V-Fossiliferous Granuter. Sichalky, Novisg Limestone: while to Tan. Frances Dessiliferous, Movieg Shale: Brown Gray Limestone: Brown Franch Korstiliferous. Novisg Shale: Black Corponaceous Limestone: Brown Franch Fossiliferous. Novisg Shale: Black Corponaceous Limestone: While to Tan. France Chalky, Novisg Limestone: while to Tan. France Limestone: while to Tan. France Chalky, Novisg Shale: Gray. Black, Red Limestone: while to Tan. France Limestone: While to Tan. France Shale: Gray. Red	3903 (- 1053)
			Limestone: while to Tan. Film. Fossiliterous. Greandar. Novisg Shule: Grey. Green. Limestone: While Fronkon. V-Fossiliterous. Grandur. Slichalky. Novisg Limestone: While to Tan. Frig. Fossiliterous. Maying Spieces. Novisg Shale: Brown. Gray Limestone: Brown. Frig. Chilky. Fossiliterous. Novisg. Shale: Black. Corbonaceous Limestone: Brown. Frig. Fossiliterous. Novisg. Shale: Black. Corbonaceous Limestone: Brown. Frig. Fossiliterous. Novisg. Limestone: While to Tan. Film. Fossiliterous. Novisg. Limestone: while to Tan. Film. Fossiliterous. Novisg. Limestone: while to Tan. Film. Shale: Gray. Black. Red Limestone: while. Film. Chalky. Novisg. Limestone: White to Tan. Film. Shale: Gray. Red Limestone: White to Tan. Film. Shale: Gray. Red	3903 (- 1053)
			Limestone: while to Tan. Fran. Fossiliterous. Greanlac. Novisg Shale: Greag. Greecen Limestone: White, F-order. V-Fossiliterous. Greandar. Sichalky. Novisg Limestone: White to Tan. Frig. Fossiliterous. Mailtine Shale Streaks White Shale Streaks White Shale Streaks Shale: Brown. Extr. Chalky. Fossiliterous. Novisg Shale: Black. Corponaceous Limestone: Brown. Frig. Fossiliterous. Novisg Shale: Black. Corponaceous Limestone: White to Tan. Frig. Fossiliferous. Novisg Limestone: white to Tan. Frig. Fossiliferous. Newsg Shale: Greag. Black. Red Limestone: white to Tan. Frig. Fossiliferous. Cherty. P-PP to Vigg Limestone: white to Tan. Frig. Chalky. Newisg Limestone: White to Tan. Frig. Limestone: White to Tan. Frig. Shale: Greag. Red Limestone: White to Tan. Frig. Limestone: White to Tan. Frig.	3903 (- 1053)
			Limestone: while to Tan. Fran. Fossiliterous. Greanlac. Novisg Shale: Greag. Greecen Limestone: White, F-order. V-Fossiliterous. Greandar. Sichalky. Novisg Limestone: White to Tan. Frig. Fossiliterous. Mailtine Shale Streaks White Shale Streaks White Shale Streaks Shale: Brown. Extr. Chalky. Fossiliterous. Novisg Shale: Black. Corponaceous Limestone: Brown. Frig. Fossiliterous. Novisg Shale: Black. Corponaceous Limestone: White to Tan. Frig. Fossiliferous. Novisg Limestone: white to Tan. Frig. Fossiliferous. Newsg Shale: Greag. Black. Red Limestone: white to Tan. Frig. Fossiliferous. Cherty. P-PP to Vigg Limestone: white to Tan. Frig. Chalky. Newisg Limestone: White to Tan. Frig. Limestone: White to Tan. Frig. Shale: Greag. Red Limestone: White to Tan. Frig. Limestone: White to Tan. Frig.	3903 (- 1053)
			Limestone: while to Tan. Film. Fossiliterous. Greandar. Novisg Shule: Grey. Green. Limestone: While Fronkon. V-Fossiliterous. Grandur. Slichalky. Novisg Limestone: While to Tan. Frig. Fossiliterous. Maying Spieces. Novisg Shale: Brown. Gray Limestone: Brown. Frig. Chilky. Fossiliterous. Novisg. Shale: Black. Corbonaceous Limestone: Brown. Frig. Fossiliterous. Novisg. Shale: Black. Corbonaceous Limestone: Brown. Frig. Fossiliterous. Novisg. Limestone: While to Tan. Film. Fossiliterous. Novisg. Limestone: while to Tan. Film. Fossiliterous. Novisg. Limestone: while to Tan. Film. Shale: Gray. Black. Red Limestone: while. Film. Chalky. Novisg. Limestone: White to Tan. Film. Shale: Gray. Red Limestone: White to Tan. Film. Shale: Gray. Red	3903 (- 1053)
			Limestone: while to Tan. Fran. Fossiliterous. Greanlac. Novisg Shale: Greag. Greecen Limestone: White, F-order. V-Fossiliterous. Greandar. Sichalky. Novisg Limestone: White to Tan. Frig. Fossiliterous. Mailtine Shale Streaks White Shale Streaks White Shale Streaks Shale: Brown. Extr. Chalky. Fossiliterous. Novisg Shale: Black. Corponaceous Limestone: Brown. Frig. Fossiliterous. Novisg Shale: Black. Corponaceous Limestone: White to Tan. Frig. Fossiliferous. Novisg Limestone: white to Tan. Frig. Fossiliferous. Newsg Shale: Greag. Black. Red Limestone: white to Tan. Frig. Fossiliferous. Cherty. P-PP to Vigg Limestone: white to Tan. Frig. Chalky. Newisg Limestone: White to Tan. Frig. Limestone: White to Tan. Frig. Shale: Greag. Red Limestone: White to Tan. Frig. Limestone: White to Tan. Frig.	3903 (- 1053)
			Limestone: while to Tan. Fran. Fossilitereds. Greanwar. Newisg Shale: Grey. Green. Limestone: White Forman. V-Possiliferous. Greanwar. Slichalky. Novisg Limestone: White to Tan. Frin. Possiliterous. Within 1s preces. Novisg Shale: Brown Grean Limestone: Brown Grean Limestone: Brown Grean Limestone: Brown Grean Limestone: Brown Frin. Fossiliferous. Novisg Shale: Black. Corbonaceous Limestone: White to Tan. Frin. Fossiliferous. Novisg Limestone: White to Tan. Frin. P-pp to Vug S Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Shale: Grey. Black. Rec Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Shale: Grey. Red Limestone: White to Tan. Frin. Shale: Black. Brows. No Visg Limestone: White to Tan. Frin. Checty. No Visg	3903 (- 1053)
			Limestone: while to Tan, Frin, Fossiliterous, Green, Nevisg Shale: Grey, Green, Limestone: White, F-ondo, V-Fossiliterous, Growner, Slichelky, Novisg Limestone: White to Tan, Kayisg Shale: Brown, Sam, Limestone: Brown, Frin, Fossiliterous, Nevisg Shale: Black, Corbonaceous Limestone: Brown, Frin, Fossiliterous, Nevisg Shale: Gray, Black, Rec Limestone: white, Frin, Chalky, Nevisg Limestone: White, Frin, Chalky, Nevisg Limestone: White, Trin, Shale: Gray, Red Limestone: White, Trin, Shale: Gray, Novisg Limestone: White, V-Exin, Chalky, Novisg Limestone: White, V-Exin, Shale: Gray, Novisg Limestone: White, V-Exin, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Gray, Red	3903 (- 1053)
			Limestone: while to Tan. Fran. Fossilitereds. Greanwar. Newisg Shale: Grey. Green. Limestone: White Forman. V-Possiliferous. Greanwar. Slichalky. Novisg Limestone: White to Tan. Frin. Possiliterous. Within 1s preces. Novisg Shale: Brown Grean Limestone: Brown Grean Limestone: Brown Grean Limestone: Brown Grean Limestone: Brown Frin. Fossiliferous. Novisg Shale: Black. Corbonaceous Limestone: White to Tan. Frin. Fossiliferous. Novisg Limestone: White to Tan. Frin. P-pp to Vug S Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Shale: Grey. Black. Rec Limestone: White to Tan. Frin. Chalky. Novisg Limestone: White to Tan. Frin. Shale: Grey. Red Limestone: White to Tan. Frin. Shale: Black. Brows. No Visg Limestone: White to Tan. Frin. Checty. No Visg	3903 (- 1053)
			Limestone: while to Tan, Frio, Fossiliterous, Gereaular, Newiss Shale: Gray: Gereau Limestone: White, F-mxin, V-Fossiliterous, Growner, Slichalky, Noviss Limestone: White to Tan, Frig, Fossiliterous, Withio Lisple Streaks Withio Lisple Streaks Neviss Shale: Brown, Frin, Chilky, Fossiliterous, Neviss Shale: Black, Cerbonaceous Limestone: Jon, Frin, Chilky, Fossiliferous, Neviss Shale: Gray, Black, Rec Limestone: white, Frin, Chalky, Neviss Shale: Gray, Red Limestone: white, Frin, Chalky, Neviss Shale: Gray, Red Limestone: white, V-Exh, Checky, Noviss Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Gray, Red Limestone: white, V-Exh, Checky, Noviss Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Gray, Red	3903 (- 1053)
			Limestone: while to Tan, Frin, Fossiliterous, Green, Nevisg Shale: Grey, Green, Limestone: White, F-ondo, V-Fossiliterous, Growner, Slichelky, Novisg Limestone: White to Tan, Kayisg Shale: Brown, Sam, Limestone: Brown, Frin, Fossiliterous, Nevisg Shale: Black, Corbonaceous Limestone: Brown, Frin, Fossiliterous, Nevisg Shale: Gray, Black, Rec Limestone: white, Frin, Chalky, Nevisg Limestone: White, Frin, Chalky, Nevisg Limestone: White, Trin, Shale: Gray, Red Limestone: White, Trin, Shale: Gray, Novisg Limestone: White, V-Exin, Chalky, Novisg Limestone: White, V-Exin, Shale: Gray, Novisg Limestone: White, V-Exin, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Black, Brown, Red, Shale: Gray, Red	3903 (- 1053)

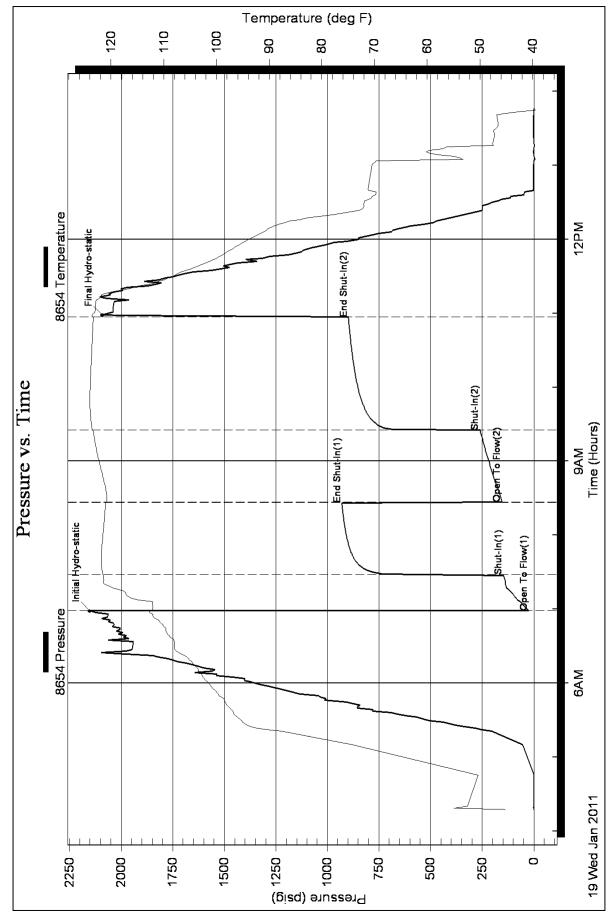


	DRILL STEM TES	ST REP	ORT				
RILOBITE	Murfin Drilling Co, Inc		Pin	kston U	nit #1-13		
ESTING , INC.	250 N Water STE 300 Wichita Ks 67202			18s/30w/			
				Ticket: 04		DST#	:1
	ATTN: Robert Hendrix		Test	Start: 20	11.01.19 @	2 04:17:00	
GENERAL INFORMATION:							
Formation:Lansing "K"Deviated:NoWhipstock:Time Tool Opened:06:58:30Time Test Ended:13:46:00	ft (KB)		Test Test Unit	er: E	Convention Bradley Wa 28	al Bottom H lter	ole
Interval:4220.00 ft (KB) To42Total Depth:4252.00 ft (KB) (TvHole Diameter:7.85 inchesHole	/D)		Refe	erence Ele KB to	vations: o GR/CF:		0 ft (KB) 0 ft (CF) 0 ft
Serial #: 8654 Inside							
Press@RunDepth:260.47 psigStart Date:2011.01.19Start Time:04:17:05	<ul> <li>4221.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2011.01.19 13:46:00	Capacity: Last Calib Time On E Time Off	o.: Btm: 2		8000.0 2011.01.1 @ 06:58:1 @ 10:58:3	9 5
TEST COMMENT: IF: 7 inches blow ISI: No return blov FF: BOB in 55 min FSI: No return blov	w. nutes.						
Pressure vs. T	_				E SUMM		
2250 8664 Pressure 2000 000 000 000 000 000 000 000 000 00	8864 Temperature	Time (Min.) 0	Pressure (psig) 2150.63	Temp (deg F) 112.84	Annotati Initial Hydr		
		1 30	24.83 146.44		Open To F Shut-In(1)		
		88	928.32	121.04	End Shut-	ln(1)	
			154.03		Open To F		
	50 (10 (10 (10 (10 (10 (10 (10 (10 (10 (1	239	260.47 896.72		Shut-In(2) End Shut-		
750 600 200 600 600 600 600 600 60	+++c2 +++c2 	241	2090.73	123.70	Final Hydr	o-static	
<b>D</b>					Dotoo		
Recovery Length (ft) Description	Volume (bbl)			Choke (ir	s Rates	ure (psig)	Gas Rate (Mcf/d)
10.00 mud 100%m (heavy)	0.05				11035		(Wol/d)
520.00         mcw         20%m         80%w	4.04						
Trilobite Testina. Inc	Ref. No: 040655			Di c la	0011.01.11		06 Page 1

		DRILL STEM TEST F	REPORT		F	LUID SUI	MMARY
		lurfin Drilling Co, Inc		Pinkston U	Init #1-13		
RILOBITE		50 N Water STE 300 /ichita Ks 67202		<b>13/18s/30w</b> Job Ticket: 04	DST#: 1	NST#• 1	
	A	.TTN: Robert Hendrix			)11.01.19 @ 04	:17:00	
Mud and Quebian I							
Mud and Cushion In Mud Type: Gel Chem	nformation				Oil A PI:	0.0	
••	00 lb/gal	Cushion Type: Cushion Length:			Water Salinity:	38000 p	leg API
-	00 sec/qt	Cushion Volume:		bbl		00000	PIII
	10 in <sup>3</sup>	Gas Cushion Type:		22.			
Resistivity:	ohm.m	Gas Cushion Pressure	e:	psig			
Salinity: 2000.0				1-5			
Filter Cake: 2.0	00 inches						
Recovery Informati	on						
		Recovery Table					
	Length ft	Description		Volume bbl			
		.00 mud 100%m (heavy)		0.049			
	520			4.036			
	Total Length:	530.00 ft Total Volume:	4.085 bbl	•			
	Num Fluid Samples:		0	Serial #:			
	Laboratory Name:	Laboratory Locatio					
	-	is: rw is .22 @ 57F = 38000ppm					
	Recovery Comment	is. Twis .22 $\oplus$ 57F = 36000ppm					
Trilobite Testing, Inc		Ref. No: 040655		Printed:	2011.01.19 @	14:36:06	Page 2



13/18s/30w / Lane



Printed: 2011.01.19 @ 14:36:06 Page 3

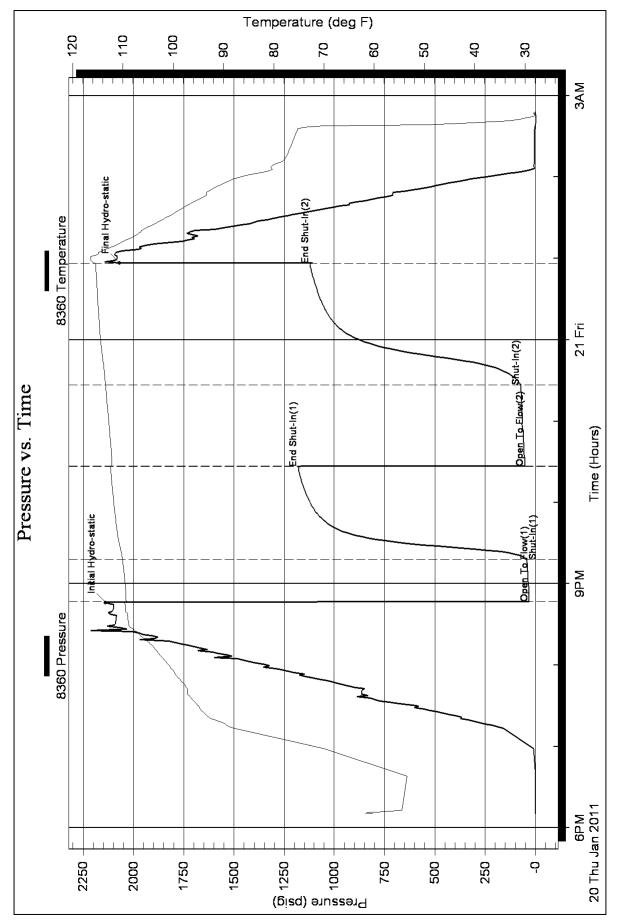
Ref. No: 040655

	DRILL STEM TES		ORT				
RILOBITE	Murfin Drilling Co, Inc		Pin	kston U	Init #1-13	6	
ESTING , INC	250 N Water STE 300		13/1	18s/30w	/ Lane		
	Wichita Ks 67202		Job	Ticket: 04	10656	DST#	:2
	ATTN: Robert Hendrix		Test	Start: 20	011.01.20 @	@ 18:10:00	
GENERAL INFORMATION:							
Formation:Marm-V PawneeDeviated:NoWhipstock:Time Tool Openee:20:46:15Time Test Endee:02:47:15	ft (KB)		Test Test Unit	er: I	Convention Kevin Mack 28	al Bottom H	lole
Interval:4320.00 ft (KB) To44Total Depth:4440.00 ft (KB) (ThHole Diameter:7.85 inchesHole			Refe	erence Ele KB t	evations: to GR/CF:		0 ft (KB) 0 ft (CF) 0 ft
Serial #: 8360         Inside           Press@RunDepth:         71.62 psig @         4321.00 ft (KB)         Capacity:         8000.00 psig           Start Date:         2011.01.20         End Date:         2011.01.21         Last Calib.:         2011.01.21           Start Time:         18:10:05         End Time:         02:47:15         Time On Btm:         2011.01.20 @ 20:46:00           TEST COMMENT:         IF: Blow built to 2"         End Start Star							
IS: No Return	l at 10 min build to 1 1/4"						
Pressure vs. I 8360 Pressure	8380 Temperature	Time	PF Pressure		RE SUMN		
	120 	(Min.)	(psig)	Temp (deg F)			
		0	2138.52 31.15	109.87 109.11			
		32	42.21	110.09			
		100	1181.26		End Shut-		
		101 161	51.71 71.62	112.11 113.47	Open To Shut-In(2)		
		250 251	1120.82 2068.86	115.45 115.78	End Shut-	-ln(2)	
20 Thu Jan 2011 Time (Hours)	21 Fri 3AM						
Recovery			I	Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i		sure (psig)	Gas Rate (Mcf/d)
90.00 OSM 99M 10	0.44			ł	Į	Į	
	ļ						

(Th-		DRI	LL STEM TEST REPOR	Г	F	LUID SI	JMMARY
	RILOBITE	Murfin	Drilling Co, Inc	Pinkston	Unit #1-13		
	ESTING , INC		Water STE 300 a Ks 67202	<b>13/18s/30</b> v Job Ticket: (		DST#:2	
		ATTN:	Robert Hendrix		2011.01.20 @ 18		
Mud and Cu	ushion Information						
Mud Type: G Mud Weight: Viscosity: Water Loss: Resistivity: Salinity: Filter Cake:			Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:		deg API ppm
Recovery In	nformation						
			Recovery Table	1	т		
	Leng ft	th	Description	Volume bbl			
		90.00	OSM 99M 10	0.443	3		
	Total Length:	90	.00 ft Total Volume: 0.443 bbl				
	Recovery Com						



13/18s/30w / Lane



Printed: 2011.01.21 @ 08:28:05 Page 3

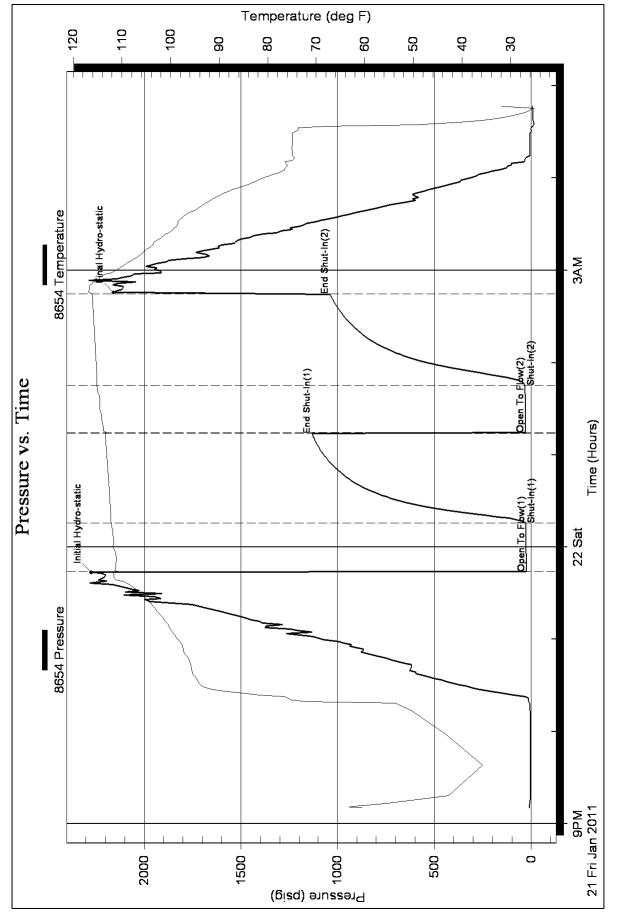
Ref. No: 040656

RILOBITE	DRILL STEM TES		ORT				
	Murfin Drilling Co, Inc		Pink	ston Ur	nit #1-13		
ESTING , INC			13/18	3s/30w/	Lane		
	Wichita Ks 67202		Job Ti	cket: 040	)657	DST#	:3
	ATTN: Robert Hendrix		Test S	Start: 201	1.01.21 @	21:10:00	
GENERAL INFORMATION:							
Formation:Cherokee - JohnsoDeviated:NoWhipstock:Time Tool Opened:23:43:30Time Test Ended:04:46:15	on ft (КВ)		Test T Tester Unit N	r: K	onventiona evin Mack 8	l Bottom H	lole
Interval:4494.00 ft (KB) To45Total Depth:4556.00 ft (KB) (The dependence of the dependence of t			Refere	ence Elev KB to	vations: GR/CF:		0 ft (KB) 0 ft (CF) 0 ft
Serial #: 8654 Inside							
Press@RunDepth:32.03 psigStart Date:2011.01.21Start Time:21:10:05	<ul> <li>@ 4495.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2011.01.22 04:46:14	Capacity: Last Calib.: Time On Bt Time Off Bt	m: 20	011.01.21 ( 011.01.22 (		2 5
TEST COMMENT: IF: Blow built to IS: No Return FF: No Blow FS: No return	1"						
Pressure vs. 7	_		PRE	ESSUR	E SUMM	ARY	
2000	8864 Temperature 120	Time (Min.) 0	2272.37		Annotatio Initial Hydro	o-static	
		1 32			Open To Fl Shut-In(1)	ow (1)	
		91	1131.70	113.43	End Shut-Ir		
					Open To Fl Shut-In(2)	ow (2)	
		182 183	1038.85	116.09	End Shut-Ir Final Hydro		
oPM 22 Sat 21 Fri Jan 2011 Time (Hous)	зам						
Recovery			<b>↓</b> ↓	Gas	Rates		
Length (ft) Description	Volume (bbl)			Choke (ind		re (psig)	Gas Rate (Mcf/d)
20.00 OSM	0.10				ŧ	ļ	
Trilobite Testing. Inc	Ref. No: 040657				2011.01.22		

		DRI	LL S	TEM TEST F	REPOR	Г		FLUID S	UMMARY
RILOBITE		Murfin	Drilling Co	o, Inc		Pinkston Unit #1-13			
ESTING , INC		250 N Water STE 300 Wichita Ks 67202				<b>13/18s/30w/ Lane</b> Job Ticket: 040657 <b>DST#:3</b>			
		ATTN: Robert Hendrix				2011.01.21 @ 2			
Mud and Cushion	Information								
Mud Type:Gel ChemMud Weight:9.Viscosity:59.Water Loss:7.Resistivity:0.Salinity:1800.	00 lb/gal 00 sec/qt 20 in <sup>3</sup> 00 ohm.m 00 ppm 00 inches			Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure	9:	ft bbl psig	Oil API: Water Salinity	:	deg API ppm
Recovery Informat	ion								
	Leng	th	F	Recovery Table		Volume	Т		
	ft	20.00	OSM	Description		bbl 0.09	0		
	L Total Length:		.00 ft	Total Volume:	0.098 bbl	0.09	이		
	Laboratory Nan Recovery Com			Laboratory Locatio	n:				



13/18s/30w / Lane

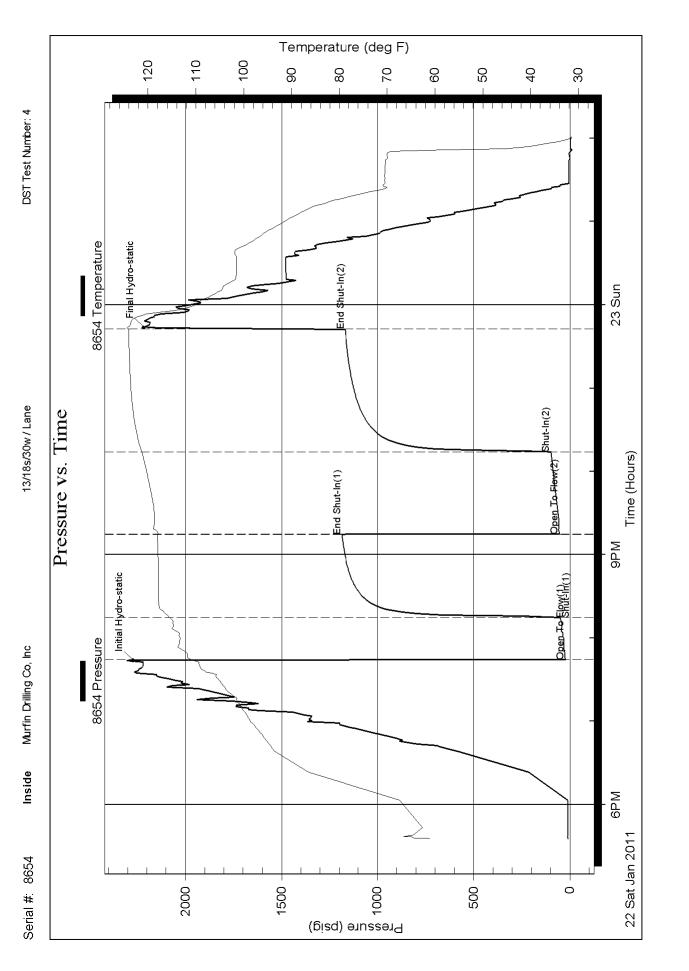


Printed: 2011.01.22 @ 11:20:39 Page 3

Ref. No: 040657

	DRILL STEM TES	ST REP	ORT				
RILOBITE	Murfin Drilling Co, Inc		Pinl	kston U	nit #1-13		
ESTING , INC	250 N Water STE 300 Wichita Ks 67202		13/1	8s/30w/	/ Lane		
				Ficket: 04		DST#:	4
	ATTN: Robert Hendrix		Test	Start: 20	11.01.22 @	2 17:35:00	
GENERAL INFORMATION:							
Formation:Miss. DolemiteDeviated:NoWhipstock:Time Tool Opened:19:44:00Time Test Ended:02:00:45	ft (KB)		Test Teste Unit I	er: k	Conventiona Kevin Mack 28	al Bottom Ho	ble
Interval:4601.00 ft (KB) To460Total Depth:4620.00 ft (KB) (ThHole Diameter:7.85 inches Hole			Refe	rence Ele KB to	vations: o GR/CF:		) ft (KB) ) ft (CF) ) ft
Serial #: 8654 Inside							
Press@RunDepth:97.84 psigStart Date:2011.01.22Start Time:17:35:05	<ul> <li>4602.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2011.01.23 02:00:44	Capacity: Last Calib Time On B Time Off B	.: Stm: 2	2011.01.22	8000.00 2011.01.23 @ 19:43:45 @ 23:43:45	5
TEST COMMENT: IF: Blow built to 3 IS: No Return FF: Blow started FS: No Return	3" I at 15 min built to 2"						
Pressure vs. T	_		PR	ESSUR	RE SUMM	IARY	
8864 Pressure	8864 Temperature	Time (Min.) 0	Pressure (psig) 2271.42	Temp (deg F) 111.13	Annotation		
	- 110	1	23.58	109.92	Open To F	low (1)	
		31 91	51.46 1185.44	115.50 118.06	Shut-In(1) End Shut-		
55 -   / /			54.85		Open To F		
	70	91           151           239	97.84 1168.09	121.25 124.05	. ,		
		239	2216.39	124.03	Final Hydr		
0 BeeLT-24/mW4(c) BeeLT-24-SeeVET 0							
Recovery			ļ		s Rates		
Length (ft) Description	Volume (bbl)			Choke (ir		ure (psig)	Gas Rate (Mcf/d)
60.00 MW 65W 35M	0.30			(.	,		
80.00 OCWM 20W 70M 10o	0.39						
	Ref. No: 040658					8 @ 10:07:5	

		ILL STEM TEST REPOR	Т	F	
	DIIC Murfi	n Drilling Co, Inc	Pinkston I	Jnit #1-13	
(EST	BITE Murfii	Water STE 300	13/18s/30v	v/ Lane	
	Wichi	ta Ks 67202	Job Ticket: 0	40658	DST#:4
	ATTN	: Robert Hendrix	Test Start: 2	011.01.22 @ 17:	35:00
Mud and Cushion Inf	ormation				
Mud Type: Gel Chem		Cushion Type:		Oil A PI:	deg API
-	lb/gal	Cushion Length:	ft	Water Salinity:	20000 ppm
	sec/qt	Cushion Volume:	bbl		
	ohm.m	Gas Cushion Type: Gas Cushion Pressure:	psig		
Salinity: 1800.00			poig		
Recovery Informatio	n				
		Recovery Table	1	т	
	Length ft	Description	Volume bbl		
	60.00	MW 65W 35M	0.295	7	
	80.00	OCWM 20W 70M 10o	0.393	3	
То	otal Length: 14	0.00 ft Total Volume: 0.688 bbl			
N	um Fluid Samples: 0	Num Gas Bombs: 0	Serial #	:	



Printed: 2011.01.23 @ 10:07:55 Page 3

Ref. No: 040658

	MDCI Pinkston Unit #1-13 750' FSL 2550' FEL Sec. 13-T18S-R30W 2850' KB					MDC Harris # 1000' FNL 3 Sec. 23-T18 2859' I	1-23 35' FEL S-R30W	
Formations	Sample Tops	Datum	Ref	Log tops	Datum	Ref	Log Tops	Datum
Anhydrite	2195	+655	-6	2198	+652	-9	2198	+661
B/Anhydrite	2210	+640	-3	2217	+633	-10	2216	+643
Topeka	3665	-815	-9	3670	-820	-14	3665	-806
Heebner	3903	-1053	-12	3910	-1060	-19	3900	-1041
Lansing	3945	-1095	-8	3948	-1098	-11	3946	-1087
Stark	4223	-1373	-15	4224	-1374	-16	4217	-1358
Uppr. Pawnee	4422	-1572	-13	4422	-1572	-13	4418	-1559
Mississippian	4560	-1710	-11	4560	-1710	-11	4558	-1699
Miss Dolomite	4609	-1759	+2	4614	-1764	-3	4620	-1761
RTD	4670						4665	
LTD				4676			4671	

•







Invoice Number: 125909 Invoice Date: Jan 13, 2011 Page: 1

 Voice:
 (785) 483-3887
 Page: 1

 Fax:
 (785) 483-5566
 Page: 1

 Bill To:
 Murfin Drlg. Co., Inc.
 Federal Tax I.D.#: 20-5975804

 Murfin Drlg. Co., Inc.
 250 N. Water
 Federal Tax I.D.#: 20-5975804

 STE #300
 Wichita, KS 67202
 Murfin Gustomer P.O.

 Wichita, KS 67202
 Page: 1

		Ŵ	
Gustomer ID	Well Name/# or Customer P.O.	Payment	lerms
Murfin	Pinkston Unit #1-13	Net 30 D	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Jan 13, 2011	2/12/11
Quantity Item	Description	Unit Price	Amount
175.00 MAT	Class A Common	15.45	2,703.75
3.00 MAT	Gel	20.80	62.40
6.00 MAT	Chloride	58.20	349.20
184.00 SER	Handling	2.40	441.60
60.00 SER	Mileage 184 sx @.10 per sk per mi	18.40	1,104.00
1.00 SER	Surface	1,018.00	1,018.00
60.00 SER	Pump Truck Mileage	7.00	420.00
East	Job OKM		
1st Surface			
		T	
IA	count Bin L No. Amount	Description	
			~~~~~
	N3/10 1722 Ur 3838 10295	22 / Marent	SCog
C	Dian Dian	121 Content	
	(21)9.6	13/	
	Subtotal	and a second sec	6,098.95
ALL PRICES ARE NET, PAYA 30 DAYS FOLLOWING DATE	BLE		196.27
INVOICE. 11/2% CHARGE		· · · · · · · · · · · · · · · · · · ·	6,295.22
THEREAFTER. IF ACCOUN	TIS II		0,230.22
CURRENT, TAKE DISCOUN	OF Payment/Credit Applied		
\$ 2/3463	TOTAL		6,295.22
		2	13
ONLY IF PAID ON OR BEFC	RE		1- 213463
Féb 7, 2011		-	
		OK TO Pay	1 - 81 g1 12-
		W	10000

	NTING CO., D.# 20-5975804	<b>LLC.</b> (	35544
REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665		SERVICE POINT:	KI
	CALLED OUT ON LOCAT		JOB FINISH
DATE [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [		10:00	10:30
LEASE MADALLA MELL # (-)3 LOCATION Am E	= to Fronther Ad	COUNTY	STATE
OLD OR NEW (Circle one)	10 proven proce	1074	
	WAU D		
CONTRACTOR Mudin 20	OWNER Sam	- <u> </u>	
HOLE SIZE 1214 T.D. 229			
CASING SIZE ATA DEPTH ADA	CEMENT	N COUL	
TUBING SIZE     DEPTH	AMOUNT ORDERED	75 - 5K, Co	<u> </u>
DRILL PIPE DEPTH	3DOCC ADogf	· · · · · · · · · · · · · · · · · · ·	
TOOL DEPTH			
PRES. MAX MINIMUM	COLUMN INF	-45	77.000
MEAS. LINE SHOE JOINT	COMMON / 25	@_ <u>15_72</u>	2105-
CEMENT LEFT IN CSG.	POZMIX		1.40
PERFS.	GEL	@	alie
DISPLACEMENT 13-5681	CHLORIDE	@ <u>\$7ee</u>	399
// <u>//////</u> ////////////////////////////	ASC	@	
EQUIPMENT	······	@	
A,		@	
PUMPTRUCK CEMENTER Her		@	
HAT HELPER Warne		@	
BULK TRUCK		@	
3911 DRIVER MI		@	
BULK TRUCK		@	
DRIVER	HANDING 10V	@//	NITED
	HANDLING 189 MILEAGE De St. Mile	@ <i>_</i>	44 00
REMARKS: B Cy Circulati MA 125 5th Com 3Decc Dear	2 SEI	TOTAL ; RVICE	1660
1	DEPTH OF JOB		
tightare w/1 Kht-that	PUMP TRUCK CHARGE	······································	MANDE
	-EXTRA FOOTAGE	@	
ment did Grutals	MILEAGE	@ 780-	Usne
			700
/hut the			
plan, any a, any	······································	" @	
HARCETO MUCCON Mailly Co	· · · · · · · · · · · · · · · · · · ·	w	
HARGE TO: Mus Fin Drilling Co		TOTA -	1438 @
TREET		TUTAL	100
ITYSTATEZIP			
олнооп	PLUG & FLO	DAT EQUIPMENT	x
	1		
	1	@	
	1	@	
o Allied Cementing Co., LLC.	, 	@ @	
o Allied Cementing Co., LLC.	1	@ @ @	
o Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	, 	@ @	
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or ontractor to do work as is listed. The above work was	, 	@ @ @	
o Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	, 	@ @ @	
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or ontractor to do work as is listed. The above work was	·	@ @ @ @ TOTAL	
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or ontractor to do work as is listed. The above work was one to satisfaction and supervision of owner agent or ontractor. I have read and understand the "GENERAL	·	@ @ @ @ TOTAL	
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or ontractor to do work as is listed. The above work was one to satisfaction and supervision of owner agent or ontractor. I have read and understand the "GENERAL ERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)	@ @ @ @ @ TOTAL	
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or ontractor to do work as is listed. The above work was one to satisfaction and supervision of owner agent or ontractor. I have read and understand the "GENERAL ERMS AND CONDITIONS" listed on the reverse side.	·	@ @ @ @ @ TOTAL	
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or ontractor to do work as is listed. The above work was one to satisfaction and supervision of owner agent or ontractor. I have read and understand the "GENERAL	SALES TAX (If Any)	@ @ @ @ TOTAL	
o Allied Cementing Co., LLC. ou are hereby requested to rent cementing equipment ad furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was one to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL ERMS AND CONDITIONS" listed on the reverse side.	SALES TAX (If Any)	@ @ @ @ TOTAL	

•



PO BOX 31 Russell, KS 67665

Voice: (785) 483-3887 Fax:

(785) 483-5566

Bill To:

Murfin Drlg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Invoice Number: 126055 Invoice Date: Jan 23, 2011 Page: 1

INVOIC

PROD COD Federal Tax I.D.#: 20-5975804

CustomerID	Well Name# or Gustomer P.O.	Payment	
Murfin	Pinkston Unit #1-13	Net 30 E	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Jan 23, 2011	2/22/11
Quantity	Description	Unit Price	Amount
180.00 MAT	Class A Common	15.45	2,781.00
- 120.00 MAT	Pozmix	8.00	960.00
10.00 MAT	GEI	20.80	208.00
75.00 MAT	Flo Seal	2.50	187.50
313.00 SER	Handling	2.40	751.20
55.00 SER	Mileage 313 sx @.10 per sk per mi	31.30	1,721.50
1.00 SER	Plug to Abandon	1,018.00	1,018.00
55.00 SER	Pump Truck Mileage	7.00	385.00
	To Plug To Plug N/C Donot Pa N/C Donot Pa N/C Donot Pa This Invoice off This Invoice off This Jime NR: JAmount thes Plug L NR: JAmount thes Plug L NR: JAmount thes Plug L NR: JAmount thes Plug L D 3838 -0 PTA	y sts Pription grungard or Or	5
ALL PRICES ARE NET, PAYA	BLE		8,012/20
30 DAYS FOLLOWING DATE INVOICE. 11/2% CHARGE		-	504.77
THEREAFTER. IF ACCOUN	T IS		8,516.97
CURRENT, TAKE DISCOUN			
\$ 2804 21	TOTAL	Λ	8,516,97
ONLY IF PAID ON OR BEFO Feb 17, 2011			- 2 804.27
		ot Pay	15712.70

 $x_{2} = - \frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \sum_{i=1$ 

# ALLIED CEMENTING CO., LLC. 040820

Federal Tax	I.D.# 20-5975804
REMIT TO P.O. BOX 31	SERVICE POINT:
RUSSELL, KANSAS 67665	
	1-24-11
1-23-11 SEC. TWP. RANGE DATE 13 18 30	CALLED OUT ON LOCATION JOB START JOB FINISH
Ruthon	7:00pm 1:00pm 1:30mm
LEASE UNY + WELL# 1-13 LOCATION AVAL	COUNTY STATE
OLD OR NEW (Circle one)	18-12N 12WIN LANE 185
CONTRACTOR VILLES + 22	OWNER
TYPE OF JOB PTA	
HOLE SIZE 7718 T.D. 46 700	CEMENT
CASING SIZE DEPTH	AMOUNT ORDERED 300 545 60 (40
TUBING SIZE DEPTH	40% all 114 Slosen
DRILL PIPE LIV'S DEPTH 2200	
TOOL DEPTH	
PRES. MAXMINIMUM	COMMON 180 @1545 278100
MEAS. LINE SHOE JOINT	POZMIX 120 @ 800 960 00
CEMENT LEFT IN CSG.	GEL 10 @ 2080 70800
PERFS.	CHLORIDE@
DISPLACEMENT	ASC@
EQUIPMENT	@ <0
	FLOSENI 75# @2 50 187 50
PUMPTRUCK CEMENTER Forzy	@
# 431 HELPER DATION	@
BULK TRUCK	@
# 394 DRIVER WALLOUR	@
BULK TRUCK	@
# DRIVER	®40
	HANDLING 313 @ 2 751 20
REMARKS:	MILEAGE . 1045 KY Wile 1721 50
	TOTAL 6609 20
809K3 @ 1430	SERVICE
501K5 @ 700'	
20 344 0 60	DEPTH OF JOB 2200
20989 Q 60'	PUMP TRUCK CHARGE 1918 22
	EXTRA FOOTAGE @
	MILEAGE 55 @ 7 38500
JAD COMPLETE @ 1:15 AM	MANIFOLD@
Thunks Frizz Yaclew	
CHARGE TO: MUNS. N. D.L.	
STREET	TOTAL 1403
CITYSTATEZIP	

## **PLUG & FLOAT EQUIPMENT**

@\_\_\_\_\_@ \_\_\_\_\_@ \_\_\_\_\_@ \_\_\_\_\_@

TOTAL

SALES TAX (If Any)

## TOTAL CHARGES

DISCOUNT \_\_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NA	ME KELLY	WILSON	
SIGNATURE	Kelly	Wilson	