#### KOLAR Document ID: 1371110

Confiden	tiality Requested
Yes	No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION** 

Form ACO-1 January 2018 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.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion         Permit #:           SWD         Permit #:	Location of fluid disposal if hauled offsite:
EOR         Permit #:	Location of huld disposal in hadred offsite.
GSW     Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	County: Permit #:

#### 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
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II III Approved by: Date:

#### KOLAR Document ID: 1371110

Operator Name:	Lease Name: Well #:	_
Sec TwpS. R East 🗌 West	County:	

Page Two

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken (Attach Additional Sh	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		Y	ies No ies No ies No						
		Repo	CASING I		] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Perforate Top Bottom		e of Cement	# Sacks Used					
Protect Casing Plug Back TD Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the is</li> <li>Was the hydraulic fractu</li> <li>Date of first Production/Inj</li> </ol>	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes ns? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	I OF GAS:		M	ETHOD OF COM	<b>IPLE</b>	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		-		mingled	Тор	Bottom
	oration Perfora Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeeze	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Jolen Operating Company
Well Name	SELLARD 1-22
Doc ID	1371110

All Electric Logs Run

<i>A</i> icro
Porosity
Dual Induction
Sonic
/lud
Resistivity

Form	ACO1 - Well Completion
Operator	Jolen Operating Company
Well Name	SELLARD 1-22
Doc ID	1371110

## Casing

	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.	8.625	24	521	Class A	320	NA

RILOBITE	Jolen Operating Co			24S-22V	N Ford		
ESTING, INC							
	100 N Broadw ay Ste 2460 Oklahoma City, OK 73102			llard 1-2 Ticket: 57		DST	#:1
	ATTN: Ken LeBlanc/Dennis I	0			017.10.21 (		
GENERAL INFORMATION:							
Formation: <b>Mississippi</b> Deviated: No Whipstock: Time Tool Opened: 23:21:47 Time Test Ended: 04:37:17	ft (KB)		Tes Tes Unit	ter:	Conventior Leal Casor 74		Hole (Initial)
Interval: 5300.00 ft (KB) To 53 Total Depth: 5330.00 ft (KB) (TV Hole Diameter: 7.88 inchesHole			Ref	erence 日e KB t	evations: to GR/CF:	2492.	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 6798 Press@RunDepth: 37.81 psig ( Start Date: 2017.10.21 Start Time: 20:32:03 TEST COMMENT: IF: Weak 2 inch B ISI: No Blow Back FF: Weak Surface FSI: No Blow Bac	End Date: End Time: low , Died Off to 1 inch	2017.10.22 04:37:17	Capacity Last Calil Time On Time Off	b.: Btm: :	2017.10.21 2017.10.22	2017.10. @ 23:20:	32
	ĸ						
Pressure vs. Th					RE SUMN		
Pressure vs. Th	TTIC COLE Temperature COLE Temperature COLE Temperature COLE Temperature Tempe	Time (Min.) 0 2 32	Pressure (psig) 2697.59 35.90	Temp (deg F) 112.63 113.62	Annotat Initial Hyd Open To I	ion ro-static Flow (1)	
		(Min.) 0	Pressure (psig) 2697.59	Temp (deg F) 112.63 113.62 113.58 115.12	Annotat Initial Hyd	ion ro-static Flow (1) ) In(1)	
		(Min.) 0 2 32 93	Pressure (psig) 2697.59 35.90 37.38 1186.02	Temp (deg F) 112.63 113.62 113.58 115.12 115.12 114.92 115.49 116.77	Annotat Initial Hyd Open To I Shut-In(1) End Shut-	ion ro-static Flow (1) ) -In(1) Flow (2) ) -In(2)	
		(Min.) 0 2 32 93 93 93 123 184	Pressure (psig) 2697.59 35.90 37.38 1186.02 36.49 37.81 798.95	Temp (deg F) 112.63 113.62 113.58 115.12 115.12 114.92 115.49 116.77	Annotat Initial Hyd Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	ion ro-static Flow (1) ) -In(1) Flow (2) ) -In(2)	
ENDER STATE		(Min.) 0 2 32 93 93 93 123 184	Pressure (psig) 2697.59 35.90 37.38 1186.02 36.49 37.81 798.95	Temp (deg F) 112.63 113.62 113.58 115.12 114.92 115.49 116.77 117.93	Annotat Initial Hyd Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	ion ro-static Flow (1) ) -In(1) Flow (2) ) -In(2)	
200 marie an 200 marie an 20		(Min.) 0 2 32 93 93 93 123 184	Pressure (psig) 2697.59 35.90 37.38 1186.02 36.49 37.81 798.95	Temp (deg F) 112.63 113.62 113.58 115.12 114.92 115.49 116.77 117.93	Annotat Initial Hyd Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut- Final Hydi	ion ro-static Flow (1) ) -In(1) Flow (2) ) -In(2)	Gas Rate (Mcf/d)
ENDER STORES	COST Trapadare COST T	(Min.) 0 2 32 93 93 93 123 184	Pressure (psig) 2697.59 35.90 37.38 1186.02 36.49 37.81 798.95	Temp (deg F) 112.63 113.62 113.58 115.12 114.92 115.49 116.77 117.93	Annotat Initial Hyd Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut- Final Hydi	ion ro-static Flow (1) ) -In(1) Flow (2) ) In(2) ro-static	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Printed: 2017.10.22 @ 07:46:52

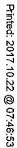
RILOBITE	DRILL STEM TES	T REP	ORT		
	Jolen Operating Co		22-24S-22	W Ford	
ESTING , INC.	100 N Broadw ay Ste 2460 Oklahoma City, OK 73102		Sellard 1 Job Ticket: 5		DST#:1
	ATTN: Ken LeBlanc/Dennis P			2017.10.21 @	
GENERAL INFORMATION:					
Formation:MississippiDeviated:NoWhipstock:Time Tool Opened:23:21:47Time Test Ended:04:37:17	ft (KB)		Test Type: Tester: Unit No:	Convention Leal Cason 74	al Bottom Hole (Initial)
Interval:5300.00 ft (KB) To53Total Depth:5330.00 ft (KB) (THole Diameter:7.88 inchesHole			Reference E KB	levations: to GR/CF:	2504.00 ft (KB) 2492.00 ft (CF) 12.00 ft
Serial #: 6806OutsidePress@RunDepth:psigStart Date:2017.10.21Start Time:20:32:03	@ 5301.00 ft (KB) End Date: End Time:	2017.10.22 04:37:17	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2017.10.22
TEST COMMENT: IF: Weak 2 inch ISI: No Blow Bac FF: Weak Surfac FSI: No Blow Ba	ck ck	1			
Pressure vs. 7		Time		RE SUMM	
		Time (Min.)	Pressure Temp (psig) (deg F)		on
Recovery			Ga	as Rates	
Length (ft) Description 20.00 Mud	Volume (bb) 0.28		Choke	(inches) Pressu	<b>.re (psig)</b> Gas Rate (Mct//3)

Trilobite Testing, Inc

Printed: 2017.10.22 @ 07:46:53

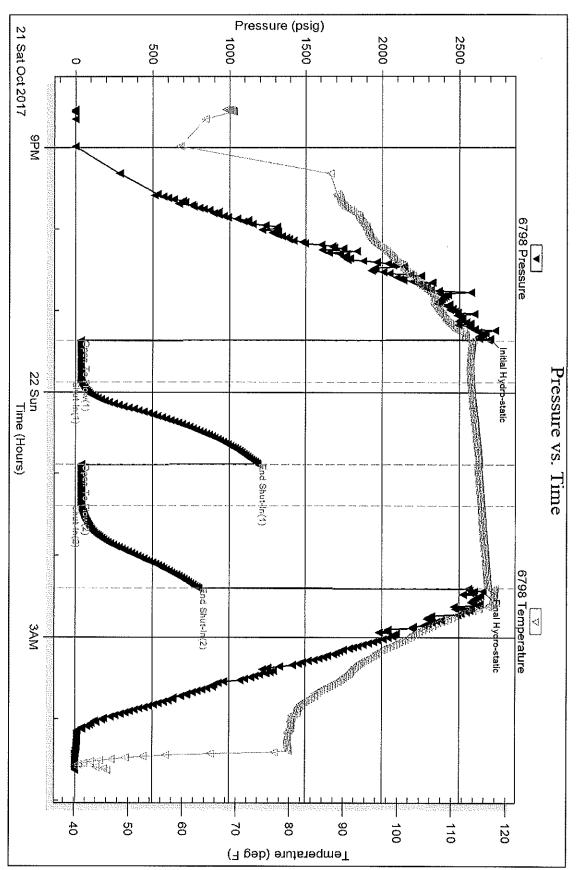
		DRI	LL STI	EM TE	EST	REPO	RT		TOOL DIAGRAM
RILOBITE		Jolen Operating Co					22-24S-22W F	ord	
EST	TING , INC		Broadway S ma City, OK				Sellard 1-22 Job Ticket: 57842	:	DST#:1
		ATTN:	Ken LeBla	nc/Dennis	Р		Test Start: 2017.	10.21 @	) 20:32:02
Tool Information									
Drill Pipe: Length: Heavy Wt. Pipe: Length: Drill Collar: Length: Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer: Interval betw een Packers: Tool Length: Number of Packers: Tool Comments:			0.00	inches Vo inches Vo Total Vo	olume: olume:	74.26 bbl 0.00 bbl 0.00 bbl 74.26 bbl	Weight set on Weight to Pull I	Loose:	
Tool Description	Le	ngth (ft) 5.00	Serial No	. Posit	ion	Depth (ft) 5279.00	Accum. Lengths		
Hydraulic tool		5.00				5284.00			
Jars		5.00				5289.00			
Safety Joint		2.00				5291.00			
Packer		5.00				5296.00	26.00		Bottom Of Top Packer
Packer		4.00				5300.00			
Stubb		1.00				5301.00			
Recorder		0.00	8159	ln In	side	5301.00			
Recorder		0.00	6806	Out	side	5301.00			
Perforations		26.00				5327.00			
Bullnose		3.00 56.00				5330.00	30.00	Bo	ttom Packers & Anchor
Total Tool									

1									
(DA-	RILOBITE	DRI	LL S	TEM TEST F	REPORT	Γ			JMMARY
変態	ESTING , INC	Jolen C	perating	Со		22-245-22	W Ford		
	ESTING, INC.			y Ste 2460		Sellard 1-	22		
		Oklaho	ma City, (	OK 73102		Job Ticket: 5	7842	DST#: 1	
		ATTN:	Ken Lel	Blanc/Dennis P		Test Start: 2	017.10.21 @ 2	0:32:02	
Mud and C	ushion Information								
	Gel Chem			Cushion Type:			Oil API:		deg API
Mud Weight: Viscosity:	9.00 lb/gal 64.00 sec/qt			Cushion Length: Cushion Volume:		ft bbl	Water Salinity:		ppm
Water Loss:	6.40 in <sup>a</sup>			Gas Cushion Type:		201			
Resistivity:	ohm.m		(	Gas Cushion Pressure	:	psig			
Salinity: Filter Cake:	5000.00 ppm 0.02 inches								
Recovery I	nformation								
-			1	Recovery Table			-		
	Leng	th		Description		Volume bbl			
		20.00	Mud			0.281			
	Total Length:	20.	.00 ft	Total Volume:	0.281 bbl				
	Num Fluid Samp			Num Gas Bombs:	0	Serial #	:		
	Laboratory Nan Recovery Com			Laboratory Location	1:				
	Recovery com	neme.							
	٠								



Ref. No: 57842

Trilobite Testing, Inc

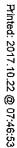


Serial #: 6798

Jolen Operating Co

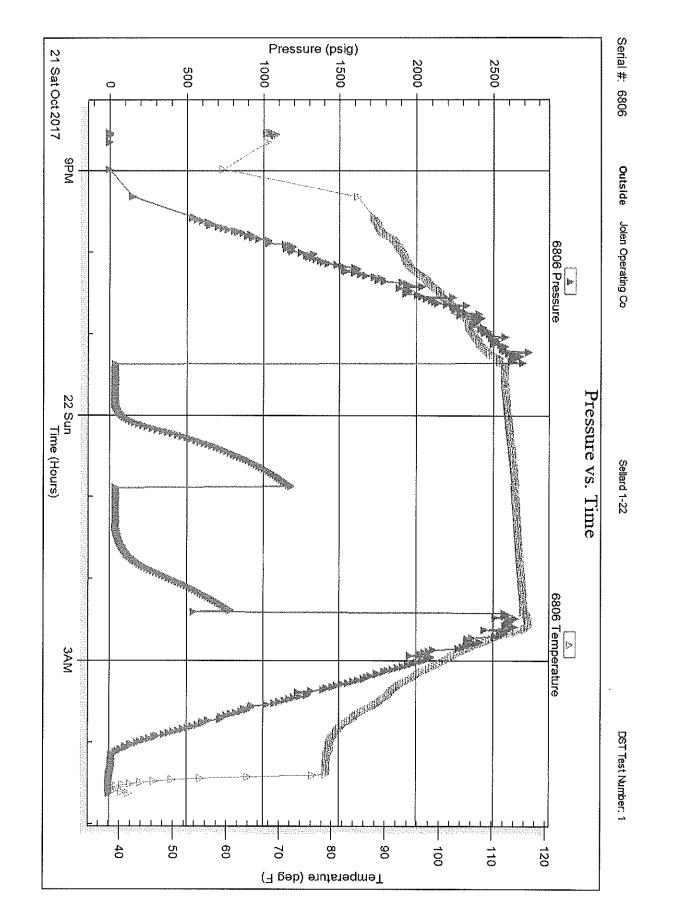
Sellard 1-22

DST Test Number: 1



Trilobite Testing, Inc





		Well: Pickall Heorne Al Appapx CNUSE 22.245-26	I I I I I I I I I I I I I I I I I I I	
* 2 *	FORD COUNTY, KANSAS			CDAES, NONE
	a submitted of the second s		10-23-17 RIG PONET: TWO (2) CAT 3406	DSTS - TRILOBITE, LOGGING - HAULIBURTON SUC.
	SEC. 22-T29S-R22W		2	Well, GAS DETECTION - MAC LOGGING , LEASING
ai Sili Sh R /F			DC: 16-LENGTH 415,15, 00'64, UV:43	CMT - BOSIC CMT, FUEL-BESTHORN O'S. WAT
ist ale at	<b>S</b> <b>S</b> <b>S</b>		DP: 4'5", 16.6"/ FT, DO: 64" 10: 2/3"	NOTES: MUD AVETEM, ANCHOR DRIG FULDS AURE CAG
:01 3 8			flipas Power: Car C-16	GEOLOGICAL SUPERVISION FROM 4339 FEET TO 5430 FEET
re T			DRD SURVEY RIGMAKE: IDECO H35 DRL. STEEL PITS	bu hundari savaj do kronovo do nako mano navo na kitelo predokođe
oth			Commen Jack Zagel, PLU	DRILLING TIME KEPT FROM 4202 FEET TO 5430 FEET
			ri Landing Ji Ar Szl', CMT	SAMPLES SAVED FROM Y CO'Z FEET TO SHJO FEET
			S260-CFS DSTI	
			PARE	MUD UP AT 3500 - FEET MUD TYPE CHEMICAL SONIC
mi oli nh /P			10-19-17 DIX 4675'	
on yo st			2017	ngon
to nii Iri Iri			AT 4202 YPDC OTO DTO 45.72 FPH	COMPLETED DRILLING SUN. DGT. 22, 2017
nn te te			DA TOTAL BIT HAS	
e I	WAWA SI JUNITE & COMMAN			
			Surf csq. ar 521 3 77/8 VARe1 Hezq 5430 1128 714	CONTRACTOR DUKE DUC RIG I (5929)
		S430 S425 S423	12 71/8 PDC 4202 3681	
		an uncini. 5289 5290 5278		/28 // AIE // AIE // 25/
		5254	Depth Number Size Make Type Depth Out Feet	ROPO CONTRACTOR
G K		shale 12164 Shale		SECTION 22 TOWNSHIP 29S RANCE 22W ALL FROM: KB
he rai fai rai		LS 5116 5113		LOCATION 330 FNL: 330 FWL GL 2492 FEET
nit h nit		5. FISE	BKC	FIELD WINCAT
e W		H5bh	Ken LeBlanc HUSH S	
		10000		
ogi		CREEK 4754 4750	dore &	COMPANY JOLEN OPERATING CO.
		<b>Z95h</b> 195h	IT WAS Recommenced that the sellars 1.22 Lansing	231822 API: 15-057-20982
		155H 845h	find ony orner potential pays	
		2 5 4 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2 8 2	Zone of in levest A REVIEW of elog suite HEEBNE	Ventoleum Geologist Wichita, Kansas 67226-3604
ari		521	NEGATIVE DST WAS TAKEN COVERING the main B/SC	
glo oli m(			WITHIN the MISSISSIPPION ECRMANON. One(1)	
Sh me tic pic			DRIVED to an RTD of S430 FT, Some 100FT	
iali rate //iic 250		Scoluce Scoluce	Remarks: The Jolen Operation Sellard 1-22 was OFTIC	

ï

ł

5 10	65	Descriptions		50	201 20	ou 150	~ 200	r 2500
		O-CIRCULATE FOR SAMPLES						
การการการการการการการการการการการการการก	n an	C-DRILL PIPE			ANCHOR	zmud r Vis 40	<u>eport</u>	-540'
	and and a source of a stand and a source of a stand and a stand and a source of a stand and a stand and a stand The stand and a	connections	n (fan trong a fan staf mengefin en ste staf staf st fer fan ste		WL 100	, CHC 1	400	
	and the second of the second o	SHT AT 521- 1/40			'CM 5*			
	an a	1691 - <u>4</u> ° 2217 - <u>4</u> °			Contraction and an an and an	or mup Vis 30		<u>ur - 13</u>
		2720 - 5°	2 (2011) 100,000 (2011) 2012 (2012) 2012 (2012) 2012 (2017) 2012 (2012) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2012) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012 (2017) 2012		WL 100	CHL IS		
		3224 - 5			*: الم			
				영상 이 것이 가 있는지 영상 (Marine Service) 	2	• <u></u>	<u>omrt</u> .	- 350 8`
	an star in the sta	DIEPIAKA O Muo such-		感 : ' : '	WT 8.3, WL 6.0,	NIS 50 CHL 500	50	
18 mart - San	ali Den ander and ander and and and and and and and and and a	DISPLACED MUD System Gt 3500 FT +-			ندس ه <b>~</b>			
	LITHOLD		SAMPLE Yo	• 	Bentanta a manata da terrata da te	and the second		
	INTERPI	zeted 2.0%	tera conserva con contra la conserva conserva contra la conserva conserva conserva conserva	»°%				
	· A	und gene fallene kannenenen en museur vogengangtvering terneren omgeverledinske vertieren affankenen om om omgev and	1.1.1.1				(1) \$ 2 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 =	
	j Britistani u Santani S	DRIG W/BIT#3 7% VAREL	40%	<b>`80</b> %			1	
eein one (1) our drill fime		HE 29 JETS 3-15'S IN AT 4202'	indikato internetionale internetionale Americanistatione internetione internetionale Anternetione internetione internetione internetione Anternetione internetione internetion					
	42.00			5 Sanjaran ang		ou 150		int of Lyngole
<b>, Š* 10*</b>		LSGRAY- top froduing blk	d d l d			SHT A	1 4207	2'-44
WOB 38-40K		LSGRAY- ton fround, blk Ringed colds in weathered	- bill	en e			11日春日時の一天日春日日春日	
	لي الم الم	to chelky marizix	dige	s for the second of the second s	Service and the service of the servi		salikasi setekari di selar dera	
	500		10.15					
ดูเองจำนอบขุามแต่ และสุดสารการสารสุดสารสารสารสารสารสารคราม 		LS CREAM to ton fri-men Duitic grades to Chalkan	3 3 1	anashana anagarayay		Set Sectors (Sectors)	()*1#+1/*1#01#01#01#01 	
	34 10	chalkylis	HE	an a				
	9 9		000					
	50	LS CREAM AND Lesser dk	910 010	an a				
		Ben mAND m-MEP DOLITIC DOME W/BUE	01010	1			riman pro provinción	and the second
		esios grades to chelky	90					
	raman ang ang ang ang ang ang ang ang ang a		0,0			1	111 # 12 cm 12 cm 10 cm	
	<ul> <li>Antipation of the second s</li></ul>	- shales gray - Ls ton Snzw	40.6			and the second se		
		shales gray, dk gray	199					
รางว่าสุดระบรรมระบรรมสายสายสาย ระสุญาหาราการว่า ประการการวงประเพ					1		Share and a second	
9.0.55,15ª	NS.	Le ten frimed accinic w/Buk acios in drite	- 019 010					3
านกลุ่มแต่งหลังหลังกลุ่มกลุ่มกลุ่มกลุ่มกลุ่มกลุ่มกลุ่มกลุ่ม		chalky matrix	9 9	นตายสารคราม				
		**************************************	619					and the second sec
		LS CRM INXU-weathered					Nagasakan Aka	
การสุดการสุดการสาวสารสารสารสารสารสารสารสารสารสารสารสารสารส	Nc Ti	OOLITIO, SMOLLAMB LE DE	0,10,					Antas Antas Antas
	N.S.	ARAJ SA-MAP OL	91.	a suger contraction and the second	Geou	ogist i	on lc	ocatio
			d d	C1/	<b>Δ</b> 7 4:	૩ઝં૧'		
ananan ar an		LS CREAM to ton in xing some vin whitic, chelk	n-01-	( <b>1</b> ]HN	<b>E</b> 1211,13010-134799113,12312,1343,123			
	4.9	LALED	P,1	a an an an an an an an an an an An an				
	50 当			2017-2016 (* 2016) (* 2017) 2017-2016 (* 2016) 2017-2017 (* 2016) 2017-2017 (* 2016)				
namen Sector and the sector of the sector	-c 📳	sholes dkgroy-blk					userandi (canaditerri	
		choles BIARK coul	61					
าร์ การ์ และสารสร้างสร้างสร้างสร้างสร้างสร้างสร้างสร		sholes BLACK, corb.		ant a grant distance of the second	178669777197126071369797877	SHALE	GAS	
1991	197 Samman Barline Antonio Samman Barline Antonio	LSTON-BRUSSI for XUN DN					encesseries	
		shoks groy	山目					
ร้างการการการการการการการการการการการการการก		LS BEN FAXMOR	记	907784E (2946)94 91284485(Ster	(and) a face the set of the rest of the		dusannan ar san san	
	Contraction of the Contraction o	sholes BLACIL corb.			ourso	15 م ا	<u>)u 200</u>	v 250i
	-4400	LS ton for x un da	101		544	LEGAS		
a da arangan ng kang ng mang mang mang mang mang mang man	事	Sholes gray. geeon		an stait a statut a s Statut a statut a statu		un and a state of the state of		情计最优容计 關口語 合约
(TORONTO)	findage bei gestaten an en sensen sontaten findage bei sontaten	LS ton- gray for xin dh,						
	N.S.	LESSER LS CREOM IN AND In-med suboulitic,		angan na ang pang ang pang ang pang pang				
เริ่ม มาระดีและเหลือเลตระชาก เหตุระชากติ (ประเทศ กระดัง กระดังกระกังกระกังกระกังกระกังกระกังกระกังกระกังกระกัง -		WEATHERED AND Cholky		and the second	n Baratstein official and an		der i de la constante de	2月11日の日に「開いたい」
		E Ghala 14 and claure	10 1					
i Suuluuduuduuduuduu		Shales Lt gray, Clayey,	AST	аналан таларын каларын Таларын Таларын	n Brandser and an sector of the sport		standar for Series	2944 - 644 (B)
Ę	·s。 薯		101-	and the second sec			4 miles of 160 miles	1444 Barris
		Shalas I to an	PA	5				
		- Shales Lt gaay, clayey, gaay- geeen	冒		2 March 1 and 1	or mud	and the second se	<u>et-44</u>
		LS BEN FNXUNDE to	Æ		w13.3	2412	5,000	
		Suboou.						
งสู่และสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการส สารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสา สารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสา		, 25 WHT AND CREAM IN	青	ning atter (i ve atter vietsen) evenered			webs 112 (113 (113 (113 (113 (113 (113 (113	948.0 y 8 y 12
		ALA-CHALKY LS, LESSERL	· · · · · ·		When the second second			
		shales gray- green, CLAYer	10 t		1. <b>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</b>		29114191519101941(\$21.6)	rausus an Salarsa
	4500 / 三	- dr. queen, Di LTY, Gray		an a				<b>3</b>
		LS CRM-Gray JAXEN dr.	101 1 d = 1					
The second s		WEMBERDED COARSE CLEC CALLITE in din MATRIA	1.8,	riterationalis mitteration				unsister ,
		assoc Chelly LS	p'?	Friday (Barris) of Friday / State	ระสัตราชประกอบสาวารระ	n fan in geringer of the second	Mittigenet in a believe	14114-141
5		= = shales grzay-grzeen, dk gn	y 121					
		= +- 13CC	1 4 1 10					Shermo-this are strained
มากระดาษสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระ สารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสารกระสา				territoria and a second			ninia ni	
		= Sholes gray- green, dk. Gray - Buk	191 8 9					
Benls	50	LS BROWN FAXINGA	1. JIE		en anteriores constructions		optras@stalictingera@jaff	adarada ya kata da a
ייין איז		sholes gray-green, dlc.gr	1 [2]	E				
LAASING	- 00	LS ton FN AND MOD OOLITIL	238			Presidential and the second se		and the second se
<b>(</b> LSGA)	N.S. 9	Fossili#, occ BLK w105, SCGTT D CRM, FRESH, OP CAU	e Bal					
	N.S10	45 ten fin-mes white,	Sale	3				
1	Zens. Pr	DISIUF In pt, occ. BLK	C);	E.			**************************************	
มากการสารแรงสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสา และเกาะสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสา สารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสารการสา	<u>se</u>	Doibs ASSUG & CRM, Fresh	<u>S</u>	E a manda a sanata	124 <b></b>		141120112441812914	
		E shales grey diggry	Ţ	Ē	م ب الم	ou 150	<u>v 200</u>	u. 250.
eine <b>State</b> nter staden (* 1999)	4600	E shales arey dilgry LS CRM- ton for Xui on, Bome Lightly Duitic Bix	3,3	E un nun abur du mon E		ligenseesesseese		
e office and a set of the set of	N.S.		Igi	5 State manufacture		11.00 March 10.00		
	1 02	Ls brown men - coarsely outite to subconcente	161	E	4.11.11.11.11.11.11.11.11.11.11.11.11.11			
	N.S. 5		-19-	en e	1955	(*)		
	1 Surangent Ser	D LEBRA Sixupon	p 1	ELT				
zaharen fizza dari biliorekoa dirizi kara dari bili zakara dari bili dari bili dari bili dari bili dari bili da Antari bili dari bili d		анай (базалан балана) ол о о наларакан анал соот селануну атал соот салан настан каке каке каке каке каке каке Каке	J.T.				ntalamiren etani	
	. B Bringsson a starte	LS CRM- Ben In the DA	191	Edward	i se anti i se a s		ngangeraelese (es min	
		Smer Antsol LS BRN	9 / 181	<u>al</u>				
ระด้างหนึ่งมา <mark>น ไ</mark> ม่หนึ่งแห่นะเมื่อมหล่างผู้หน่างร่างประเทศ	50 00	กระบาที่ 2 และการการแรกและและและและและและและและและและและและและแ	<u>t k</u> l		412 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		asherekan barbar	neguerrarian anti-

V.

	50	4.4		<b>d</b> ,	
		d jol	ston and cream for Xun dn to cholky, southered bouitic us	01.0	
	C C		Le ton Ano gray for xun dr. some included w/organice		
	70m PHUR 10-19.17 Dr26 4675	ren de compresente contra de la contra contra de contra de la contra contra de contra de la la contra de contra de contra de la contra de contra la contra de contra d	shale gray	学生	
	7	4 8	LS tan AND gray foxin dn. Some sightly included w/organies	Western and share a summer of the second second by	
	N.S.	6 P	45 BEA EN AND MED COLITIC 21 MED W/ COARSE LT GRAY ACLUSIONS		
			15 ten brown frikind.		
WOB 33-NAK	7		Stan-brown frieddy, Some subortitier CHACK 5		
WOB 38-WOK BPM 75 P 350 SE 0.69	c. N.S.	analysia arranged	LS CREAM foxus to SLIGHTLY ODLITIC AND Chalky Revel LS BED foxus		
	-50	40	Dr. Soboainc in pt. 25%	2 8 3 8 1 67	
	N.S.	1 Ap	5 CREAM - ton for xun do	PIE	SHALE GAS <u>Anclor mus Report-4</u> WT 9.1 VIS 48 WL 4.0, CHL 12,000 LCM 04
	د	19	LS Gry-bracen francisch	引き	รโทร่มหารายการที่เทพหร่อมเป็นของของส่วนหลังหารังหารังหรือหรือหรือหรือหรือหรือหรือเรื่องร้านร้ายส่วนส่วนส่วนส่วน 
		in a star and a star of the	Scatt LS DC BID frouin dn mixed w/SHALLS Sholes greg -green LS BRD FOXUDON		
	4000	丰	LS BED EDXLD'OF Shales gray-green		50 L 100 150 200 25
	મુક્ત		Ls ton men to consoly oolitic, Ringen, Scort.	羽	ser mer von mensenen sinnen mensenen sinnen som
	N.S.	d d d d d d d		00100 9010 01010 01010	
	• 4		Ls ton-dik BRN Sn xun dh	0-1-F	
			LS ton - dkBRn fixin		
	50 -		cheles gray La tambizoun frixing	d'	
	- C	ATA	LS tan-bizoun friends Equal LS ton friends W/OCC. Coarsey socially, ton socies, some Ringer	PTF	
	*		ton poins, some Ringeb 5 cart & gray ton fizes	SOF	างการสารการสารสารสารสารสารสารสารสารสารสารสารสารสา
		and the second sec	LE DIC BIEN to aust tink med aucific and XLA da, Sparse A ton, FRESH subop	4 01 - Blo -	
nternet in the second	-6	2'2 0'3	nan an	重	ากกระบบการการการการการการการการการการการการการก
	4900		LS CREAM for Xun, WEAth.	理	
	<u>we</u>		Shales BLACK, Corb. 15 cream - tan FA KUN PA	툍	SHALE QAS
(Swope)	- c.		GRADES to WEATHERED, GRITTY IN DT		
			LS CRAL ton for xus do to Subsocific, Some Chalky Lesser 15 Dikisian for Xun	中非	
	50		Dn Ls Crem-ton fin xin da to sub ad .		
ССССАНИИ СТАНИИ	e .		shales BLK, co-b.	遣	nerpenjarani o jangani internet paga nerpenjar 5HAVE 191
<u> </u>		14,	LS tan- dk.BEn frixingh, traces & mility to gray. spesh, op cyce		
	-		LS gray - dk gray for xn. Some suboor. we chared		eriner försen undersetander som andere av der som andere av der som andere av der som av der som av der som av
	+ c -	Ŧ	And Chalky Shales groy- BUK LS PK BEN AND BEN	罪	50 100 150 200 2
	5000	a he want on a standard a water a	Fn xun pn		
	7AM 10:20-17 DRG E015'		LS BEALO DIL BIZA FA XUA PA		
			sholes dk. gray, gray green, green		
	ter en		5 holes gray-green, green	er E	
	-50 -c	Tryat	LS tan-breaking for this very small LS ton mus comolo to subcomolo ic		
		2	LS BRA FAXADDA		
			Shales grazy, gray-green		
	7 <b>L</b>		in daar bering an een gebreken gebruken oor gebruken oor gebruken oor gebruken daar beken daar daar daar daar d		
			LS TAN-BEN FN KUNDA		
<u></u> 22,47,14 L	5100	no martin and a commercial	LS CRM-ton for Xin grade	Q I	
	70 N.S.		FRESH, SUBOP. SHALES BLACK, COLD.		
	N.S.	13/2	NO GOOL, LS CREAM - ton FA XLA da, weathered to FA ODLITIC, CCC. CALCITE	8010 0110	
	ວ ເ <del>ເ</del> ຣ 60 * 1	30,	UUQS A GRAY FRESH SUDUP.	4 010°	
	50		SHALES BLACK, Corb. LS BENEN XUS Sheles DIL GRAY	Sp	Anchor mus report-
	4	Ba	Shars Dic gray LS BRA FA-MED OULITIC AND SUDOUL ASSOC. A gry FRESH SUDOP OF VE DOC.		
		191	Sheles BLACK. LS CREAM- ton for Xun da AND VSn colitic		
ан алы Стерин — тереник филиктик и ин- 	-c	3 13 V 01	Stalesgray	6 61	
		<u> </u>	Sholes BLK	A A A A A A A A A A A A A A A A A A A	SHALE GAS
	5200		LS CREAM for XUI - WEATH. Equo/LS CRM FOR AND FOR-MO	40 j	
	- <b>C</b>	<b>9</b> / 干于	OOLITIC, GRITTY to CHOIKY MATRIX, BLK. todk gray ODIDE AND CLASTS MIXED WISHALL STREAKS		
		븙	Shales DK gray-blk		2APresente Con
			LS CRM So XUN ON to WEATHERED SCONDULLS		
	-c 50		LS tan En XUN da to weeth. QRADES to Charky LS, trace A gray freeh, subup		
	Э (FS 60".		Shales Gry - Gizeen, green		14W 7an Sar 10-21-17 5260-65
	/ <u>\$</u> \$0 70	2,6,2	Sholes qry- qreen, soft LAyey A crowlight w/ roust and origing FRESH, bog will and subor. Som	E P. 11	
ระสุ เขาะสารการการการการการการการการการการการการกา	2 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		green tinted w/smachulgs an PPO Very small shows DK Bi Live oil on Break, Brnspty Stain Nooper, Notwor, Nocu	ANA JE	
		SA.	LS WHT AND CREAM VSn OUL. to chelky out. 15, some th XN mileo W/A ton and BRN, fro	2141F	WI 9.2 VIS 64 WI 9.2 VIS 64 WL 65: CH C SODO
	, 5300 7.4		LS WHITE AND lesser ten vin	4100	
	000r 550	Nor'	to free ou., chally Assoc A gry to fresh, subp And op. dolomitic LS AND dolo.	4 99 6 99	
	_ 	83	NK BIZA MED OULILIC, LEACHED COIDS W/FAIr gd Interparticles, even gold fivor wet; Dry, Very Rare	6/ 9 	
	- C 7Am sun 10-22-17	513 	SHOUS TAN LIVE OIL ON D 9AS, ?? LT STAIP??, FAST CUT BLIGHT BILE FILLON AND CUT	915	TEIP 9AS SHORT TRIP IS STANDS
	5 0		LS CREEM FN ANDMED XM	A P	ат 5330 Sht at 5330 - 3/4 Na Pipe Strap - TOS W
		A	dn to SUDDL. GRADES to CHAURY th OOLLS, ASSUE A ton to LIGRAY, FResh, SUDOP.		
	- c };	200	LS CREAM - ton framer And some coardey col.		
	N.S.	<u>o</u>	dolomite brown for the to successic, assoc. choice	3001	
	5400	4	And Cholly 15		ine unterestand an grand and an a <b>SOL 100 L 150 - 202 L</b>
	-6'	Aor	LS ton th And frimes subcor. chulky, A 5% t micky to it Blue And Some	0.97-	
		3, C	ton fresh, sucop	0110	
	<del>)</del> CFS		LS ton FN ANDMED SUBD. HALKY, A MIKY TO LT BIVE RESH, SUBORQUE RTO 5430-2928 AT	210 291	
	CF5 90'	ومعامدته والمناجع والمنافع والمعادية والمحافظ	3:03 pm Sun 10-2217	ATP	5430 Crs 45:
			TOCH flogs Half Burton sucs on	P170	5430 cfs 20*
			Location AT 7:30 pm. Sun 10-22-17 FINISHED Logging AT 1220 SM MONDOY 10-23-17		
		ی این این این این این این این این این ای	LTD 5425-2923		
			BASED on a review of Elogs and the resours of DST1, Adecusion was made to Plug and		
			Made to Plug and Abancon the secord 1		
and an in the second		and the second			and the second

DST 1) 5300 - 5330

(Mississippian Dolomite)

Times: 30-60-30-60

1st open: weak blow building to 2 inches in bucket (NO blowback)

2nd open: weak surface blow (NO blowback)

Rec: 20' Drilling Mud (100% mud) 20' Total Fluid - ALL in Drill Pipe

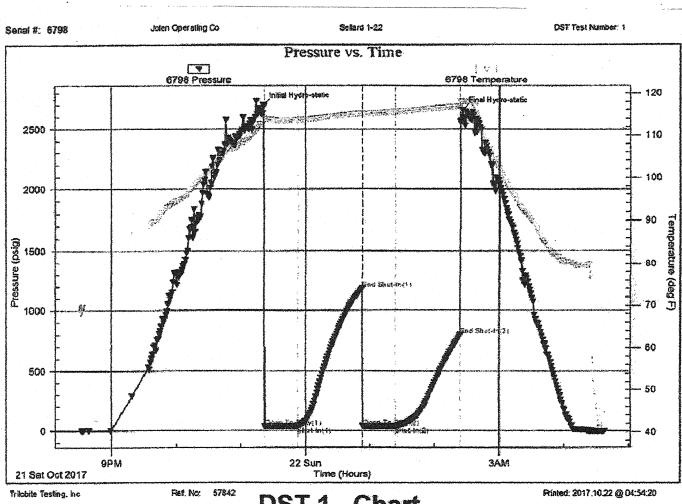
(electronic recorders)

IHYD:	2698	psig
IFP:	36–37	psig
IBHP:	1186	psig
FFP:	36–38	psig
FBHP:	799	psig
FHYD:	2656	psig
distantia estate	440 3	

TEMP: 118 degrees F



Tester: Leal Cason: Trilobite Testing, LLC, Pratt Kansas District NOTE: Conventional DST (dual packers, safety joint, electronic recorders, jars) NO bottom sampler



DST 1 - Chart

epar

Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

Customan		Jolen Operating Company	Xuedu	Coment Pump No.		38750-19842 8 his	Operator TRK No.	3987.9	
Address	100 North E	Address 100 North Broadway Suite 2460	2460	Ticket B:		1718-14546 L	BUIK TRK No.:	Вийк тяк No.1 30463-37547	
City; State, Zip:	Oklahoma (	city; state, zip: Oklahoma City OK 73192		Jab Type:	2	Z42 - Cer	Z42 - Cement Plug to Abandon	bandon	
Barvico District:				Well Typis:		-	OIL		
Woll Nutio aird No.		Sellard #1-22		Well Loostian	u 22,29,22	Colletys	Ford	Slato:	Ks
Type of Cmt	f Cmt	Sacits		Additives			Truck Loaded On	aded.On	
60/40 POZ	ZOd	170		4 % TOTAL GEL	E.	30463	30463-37547	Frant	Back
								Front	Back
I confitante	Tall.	1.46-716-244	- There -	1				Front	Back
Lead	i au: id:	13.5	OULTIVSK 1.5	VValer Kei	vvater Kequirements 7.5	СU, FT. Экк	Man Moured	Man Hours / Personnel	6
Tall:	11					~~~	it of Mon on Job:	07 6	
Time		Voluine	ξ.		Pressure(PSI)	Ъ	Description of Operation and Materials	tion and Materials	
(ampm)	(MYR)	(BBLS)	o ⊢	Tubing	Casing				
9:38	4	т т		201		õ	ON LOC, SAFTEY MTG, R.U.	EY MTG, R.U.	
9:46 AM	- 4	13.35		120			HZO SPACER	ACER	
9:50 AM	4	12		20			MIX 50 SX @ 1500	@ 1500' AEMPANT	
10:27 AM	4	15		8			H20 SPACED	VCENEN!	
10:30	4	13:35		80			MIX 50 SX @ 570	@ 570'	
10:35	4	4		50			H20 DISPLACEMENT	CEMENT	
11:06 AM	2	20					MIX 20 SX @ 60'	t @ 60'	
11:14	7	8 AND 5					PLUG RAT AND MOUSE	JD MOUSE	
							WASHUP	UР	
							JOB COMPLETE	PLETE	
						THANK	YOU FOR YC	THANK YOU FOR YOUR BUSINESSIII	II
		-							
Oire Uats									
SI24 TOH		Depth				TYPE			
סוקם מי ווור כאלי				New / Used	<u>0</u>	Packer		Depth	
uy. Ton Pline		neptu			<u>œ</u>	Retainer		Depth	
-		i ype			Ĩ	Perfs		CIBP	
Customer Signature	ture. V / K	n.l. K	a bill in	<u></u>	Basic Representative;	ative:		CHAD HINZ	
0	$\geq$	ALC JA	hand		Dasic olgnature:			, /	
	,	د			Date of Service:		40(33047)	/	

SERVICE ORDER - 1710-14546 L Date: 10/23/2017 Location: 22,29,22 RRC #:

Well Nama: Seltard #1-22 County - State:

County - State: Ford, Ks Type Of Setvice: Z42 - Cernent Plug to Abandon Customer: Joien Operating Company

Customer's Order #:

34

Address: 100 North Broad/vay Surge 2460 Oklahoma City Ok 73182 Advess to the before methy and content state and/mass state belowing fordows remariport in the tradew we paydo in 17 sprcer (b2) star data of how to spraw and and the tradew we paydo in 17 sprcer (b2) star data of how to spraw and a content state and/mass increases to the methy and the tradew we paydo in 17 sprcer (b2) star data of how to spraw and a content state and/mass increases that and/ma

CODE :	ar	NON		, PRICÊ A	TOTAL
CL103	170	Ř		12.00	2040.00
CC200	284	ΓŖ	Cetment Get	0.25	73.50
E101	120	W	[Heavy Equipment Mileage	7.50	800.00
CE240	170	š	Blending & Mixing Service Charge	1.40	238.00
E113	441	ThAM	Proppant and Bulk Delivery Charges, per Ion mile	2.50	1102.50
CE202	-	4 Hrs	Deplh Charge; 1001-2000	1500.001	1500.00
E100	8	¥	Unit Mileage Charge-Pickups, Small Vans & Cars (one way)	4.50	270,00
S003	-	Ш	Service Supervisor, first & hrs on loc.	175.00	175.00
7105	=	폆	Cement Data Acquisition Monitor / Sitip Chart Recorder	550,00	550.00
					ſ
	_				T
		-			
					ľ
~					
					ľ
ļ					
-					
				Book Total:	\$6,849.00
				Taxes:	



	<b>DUKE DRILLING</b> CONTRACT DRILLING P.O. Box 823 Great Bend, K5 67530-0823 (220) 793-8366	G CO., INC. 0.0.7 3 0 2017 OILFIELD HAULING 100 South Main, Suite 410 Wichite, KS 67202-3737 (316) 267-337	RAD TO T
öĽ	Jolen Operating Company	INVOICE NO. 17 (10-12)	
1(	100 N. Broadway Ave Suite 2460	TERMS: NET 112 % Service Charge per month on unpaid balance.	
CU AT FOR	<u>Oklahoma City, OK 73102-8868</u> Sellard #1-22 NW NW NW Sec.22-29S-22W Ford County, Kansas	DATE October 24, 20	2017
DATE	otal Depth of <u>5430'</u> Level to <u>5418'</u>	G@\$11.50/ft	\$62,307.00
10-15-17	DAYWORK TOH to run 8-5/8" surface casing Rig up casing crew & Run 8-5/8" Rig up cementers & CTCH Cement 8-5/8" surface casing	30 Min. 1 Hr. 1 Hr. 30 Min.	
10-18 10-20 10-21	1 cement I cement I co cond. 2/sample 2/sample 2/sample 2/sample	8 Hr. 1 Hr. 15 Min. 1 Hr. 1 Hr. 1 Hr. 1 Hr. 1 Hr. 15 Min. 1 Hr. 15 Min.	
10-21/10-22 10-22	Circ. to cond. h DST #1 (5300-533 Circ. to cond. h Circ. f/samples ( Tris. cond. follow		
10-22/10-23 10-23	ITTP OUT OT NOLE T/10G Rig up loggers & log Trip in hole after log Circ. to cond. hole Lay down drillpipe & drillcollars Lay down kelly & Nipple down BOP TIH w/plugging stand Cement to plug well Clean pits (Rig released 1:30 AM) Clean pits (Rig released 1:30 AM)	5 Hr. 5 5 Hr. 30 Min. 2 Hr. 30 Min. 3 Hr. 30 Min. 1 Hr. 1 Hr. 2 Hr. 2 Hr. 30 Min. @ \$325.00/hr	18,362.50
	Fuel Clause: 3499 gal. diesel @ (\$2.	.23 - \$1.00)	4,303.77
	Rig Move - Actual \$10 Less - Per Contract ( <u>8</u>	\$10,407.30 8,500.00)	1,907.30
	Thank Y	TOTAL INVOICE: You	\$86,880.57
	Code 22 Description Date by Approved by		
			- La Bala de Control de Norder Sala Control de Control de Trepa de La Control de Control de Control de Control de

NG REPORT NG REP	Intermediate       SPME       SPME <th>PRICE THE DIST TRUEDIST RUND RUND RUND RUND RUND RUND RUND RUND</th>	PRICE THE DIST TRUEDIST RUND RUND RUND RUND RUND RUND RUND RUND
A 91	GPM         NO. DAYS SINCE LAST LTA           GPM         SPM#1           GPM         SPM#1           GPM         SPM#1           JET SIZE         N           OU         OU           JE SERAL #         JET SIZE           ILENGTH         MT           SERAL #         JET SIZE           ILENGTH         MT           SUD         CO           TMC \$         MUD CO           TMC \$         MUD CO           ETIGT ON HAND 22"         2"U	FUEL ON HAND       FUEL ON HAND       Aim       OPERATION       Aim       So       CD Reline LOOP       So       CD Reline LOOP       So       CD Reline LOOP       So       College       So
N N N N N N N N N N N N N N N N N N N	PLIME PRES	END H END H 1.30 2 1 1.30 2 1 1.30 2 1 1.30 2 2 1.30



# **Cement Job Summary**

Job Number:	LIB171015100 Job P	Purpose 01 Surface				
Customer:	Jolen Operating Co				Date:	10/15/2017
Well Name:	Sellard		Number:	1-22	API/UWI:	
County:	Ford	City:			State:	Kansas
Cust. Rep:	Dennis Pope	Phone:		Rig Phone:		
Legal Desc:				Rig Name:		
Distance	50 mile	s (one way)		Supervisor	Jan	nes Peppin

Inness Dennin			
James Peppin	#N/A	Alejandro Ayala	#N/A
Saul Lopez	#N/A		
Equipment:			
903-5 / 501		705-4 / 1081-5	

		Well Infor	mation			
		Open Hole	Section			
Description:	Size (in):	Excess	Top MD (ft)	Btm MD (ft)		
OPEN HOLE	12 1/4	100%	0	504	TAIL	EMENT
OPEN HOLE	12 1/4			0	LEAD	CEMENT
OPEN HOLE	12 1/4					
OPEN HOLE	12 1/4				1	
		Tubul	ars			
Description:	Size (in):	Wgt. (lb/ft)	ID (in)	Grade:	Top MD (ft)	Btm MD (ft)
TOTAL CASING	8 5/8	24	8.097	J-55	0	504
SHOE	8 5/8	24	8.097	J-55	462	504

	Materials - P	rumping Schedule			
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Spacer 1	FRESH WATER	10	8.33	n/a	n/a
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Tail 1	CLASS A COMMON	320	14.89	1.36	6.30
Addl. Additive	Description	Conc. (lb/sk)	Determined by	Load Volume	UOM
CA-100	CALCIUM CHLORIDE, PELLETS OR FLAKE	2.82	% BWOC	902.4	lbm
CGEL	GEL - BENTONITE	1.88	% BWOC	601.6	lbm
CLC-CPF	CELLOPHANE FLAKES	0.25	lb/sk	80.0	lbm
Fluid Name	Description	Rqstd Qty	Density	Yield	Water (gal/sk)
Disp. 1	Fresh Water	29.42180462	8.33	n/a	n/a

Job Number:	LIB171015100	Job Purpose	01 Surface				
Customer:	Jolen Operatin	g Co				Date:	10/15/2017
Well Name:	Sellard			Number:	1-22	API/UWI:	
County:	Ford		City:			State:	Kansas
Cust. Rep:	Dennis Pope		Phone:		Rig Phone:		0
Distance	50	miles (one wa	y)		Supervisor	Jam	es Peppin
TIME	PRESSURE - (PSI)		FLUID PUMPED DATA			COMMENTS	
AM/PM	CASING	ANNULUS	VOLUME	RATE (BPM)	COMMENTS		3
2:00 AM						left the yar	d
400		1				arrived on l	00



## Cement Job Summary

907				safety meeting
925	1000			test lines
927	90	10	5	pump h2o ahead
929	100	77	5	pump ctm @ 14.9 wt 320 sacks
953				shut down and drop plug
956	130	31	3.5	disp plug with h20
1006				didn't bump plug close the head in
				as per customer