KOLAR Document ID: 1581865

Confident	tiality Re	equested:
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 -	DESCRIPT	NFII &	IFASE
VVELL		DESCRIPT		LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / 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 #: 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 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: 1581865

Operator Nar	ne:			Lease Name:	Well #:
Sec	Twp	S. 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:			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	Depth Top Bottom	Туре	e of Cement	# Sacks Used	k		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	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	IPLE	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	Raney Oil Company, LLC
Well Name	TOUSLEY 1
Doc ID	1581865

All Electric Logs Run

MEL
Dual Induction
Sonic
Compensated density

Form	ACO1 - Well Completion
Operator	Raney Oil Company, LLC
Well Name	TOUSLEY 1
Doc ID	1581865

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	22	216	comm		3%cc 2%gel
Production	7.875	5.5	17	3150	comm	225	6% Gel

From: Rene Wiggins rene@elitecementing.com @
Subject: Ticket #5471.pdf
Date: March 2, 2021 at 12:33 PM
To: Jeff Plummer jeff.plummer@18cg.com, Hope Rampy hope.rampy@18cg.com
Cc: Ann Raney annraney@mac.com

See attached. Rene

PO E EUREKA	E 7™ 3ox 92 , KS 67045 83-5561	CEN	IENTING & ACID	SERVICE,)uke Dale Rig #2	Ticket Foren	ent or Acid Fie No. 547 nan Kevin M Eurera	71
Date	Cust. ID #	Leas	e & Well Number		Section	Townshi	p Rang	e County	State
2-20-21 Customer	1375	Tousley	# 1		12	345	6E	Cowley	Ks
RA (Mailing Address	ENERgy Rosewoo	LLC d ST. STC State KS	700 Zip Code 66211	Safety Meeting Am 5 m	Unit # 104 11,3		Driver M. M. Evs M.	Uni; #	Driver
lob Type <u>Sav</u> asing Depth_ asing Size & V Splacement	216 K.S. M. 85/8 23	Hole Siz Cement L	th <u>225 ' K. J</u> te <u>12 '/4</u> " eft in Casing <u>15 '</u> ement PSI		Slurry Vol. <u>3</u> Slurry Wt. <u>4</u> Water Gal/SK Bump Plug to	*		Tubing Drill Pipe Other BPM	
Mixed 140	Displace	5 A" Cen	nent w/ 3%	CACLZ.	2% Gel.	1/4 # +10.	real ISK	0 BbL tResh o @ 15*/94L = + to SURFACE	33 BIL

Code	Qty or Units	Description of Product or Services	Unit Price	Total
101	1	Pump Charge	890.00	890.00
/07	60	Mileage	4.20	252.00
200	140 SKS	CLASS "A" CEMENT	15.75	2205.00
205	395 *	CACLE 3%	. 63 *	248.85
206	265 *	Gel 2%	. 21*	55.65
209	35*	Gel 2% FIOSEAL 14 "/SK	2.35*	82.25
108 B	6.58 TONS	Tow Mileage 60 miles	1.40	552.72
_			Sub TotAL	4286.47
		THANK You 6.5%	Less 5% Sales Tax	222.75
uthori	ration Witness	Title Dute Day. Toolpusher.	Total	4232.18

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Andrew J. French, Chairperson Dwight D. Keen, Commissioner Susan K. Duffy, Commissioner Laura Kelly, Governor

July 11, 2021

thomas raney Raney Oil Company, LLC 4665 BAUER BROOK CT. LAWRENCE, KS 66049-9013

Re: ACO-1 API 15-035-24732-00-00 TOUSLEY 1 NE/4 Sec.12-34S-05E Cowley County, Kansas

Dear thomas raney:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 02/19/2021 and the ACO-1 was received on July 11, 2021 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

	IN	DEPEN		R L. MAR Leum geologist				
		C		GIST'S REI				
COM	MPANY RA ENER	RGY, LL	E 16 %	L COMPANY, LLC	ELEVATIONS			
LEA	TOUCI EV #1	l			KB <u>1176'</u> GL <u>1168'</u>			
FIE	LD RAHN				Measurements Are All			
L00	CATION 403' FNL	& 100' FE	EL		From <u>KB</u>			
	$\frac{12}{\text{COWLEY}} \text{COWLEY}$	VNSHIP		RANGE 05E KANSAS	API # <u>15-035-24732-00-00</u>			
COU			STATE					
	02/10/2021		LLING, RIG #2		CASING SURFACE 8 5/8" set @ 216' KB w/ 140 sks			
SPU RTE	D	C L			Class A, 3%CC 2% Gel.			
			AL SURVEYS		PRODUCTION 5 1/2" set @ 3423' KB w/ 150 sks Thick Set cement			
	L/SONIC		100					
	ORMATION TOPS		LOG 1418' (-242)	SAMPLES 1418' (-242)	02/11/2021- MIRU Duke Drilling Rig #2			
IATA	AN ER STALNAKER		1721' (-545)	1720' (-544) 1755' (-579)	02/19/2021- SPUD 12 1/4" hole @ 11:15 PM. 02/20/2021- Drlg @ 124' @ 7 AM. Elite Cementing:			
LAN UPP	SING ER LAYTON SS		2168' (-992) 2202' (-1026)	2168' (-992) 2202' (-1026)	5 jts 8 5/8" surface casing set @ 216' KB w/ 140 sks Class A, 3% CC 2% Gel. Cement did cirulate. Plug down @ 12:30 PM. SHS @ 216' = 3/4 deg.			
KAN	E LAYTON SS		2325' (-1149) 2377' (1201) 2227' (-1210)	2325' (-1149) 2378' (-1202) 23997' (-1210)	02/21/2021- Drlg @ 541' @ 7 AM. Displace mud system @ 1285'.			
DEN SWO			2387' (-1210) 2432' (-1256) 2453' (-1277) 2509' (-1333)	23887' (-1210) 2431' (-1255) 2453' (-1277) 2508' (-1332)	SHS @ 1357' = 1 deg. 02/22/2021- Drlg @ 1545' @ 7 AM.			
MAH	RMATON AMONT		2612' (-1436) 2631' (-1455)	2612' (-1436) 2631' (-1455)	02/23/2021- CFS @ 2210' @ 7 AM. 02/24/2021-Drlg @ 2770' @ 7 AM.			
FOR	VNEE RT SCOTT EROKEE		2671' (-1495) 2711' (-1535) 2746' (-1570)	2671' (-1495) 2711' (-1535) 2745' (-1569)	02/25/2021- CFS @ 3030' @ 7 AM. Run DST #1.			
MIS	SISSIPPIAN CHERT SISSIPPIAN LS		3015' (-1839) 3031' (-1855)	3015' (-1839) 3031' (-1855)	02/26/2021- Drlg @ 3160' @ 7 AM. 02/27/2021- Drlg @ 3426' @ 7 AM. Bun E lage DTD 3426' I TD 3427'			
- 220, 40	VLEY DERHOOK		3148' (-1972) 3405' (-2229)	3150' (-1974) 3405' (-2229)	Run E-logs. RTD 3426', LTD 3427'. Run production casing. Plug down @ 3:30 AM 02/28/2021.			
RTD	/LTD		3427' (-2251)	3426' (-2250)	02/28/2021- Rig down @ 7 AM.			
.in P	orositi perincint	D 51	SAMP	PLE DESCRIPTION	REMARKS			
	0 5 5 10	1300	SS: bf-gy, Pred Vfn 6 sm silty & SH: gy-bl	Gr'd, well cmt'd- fribl w/ sm Fr- g k & gn-gy.	d Poro, NSO. **KELLY DOWN SAMPLES**			
	-c-			fn- fn Gr'd, well cmt'd- fribl w/ Pr FS: AA, sm calc & Imy Sd.	- gd Poro,			
	0 5 10 -c-	1350		n-cm, sm mot'd Wkst- Pkst & ux- , AA & SILTS & SH)	Vfnxln, VPr-			
			Incrs gy-blk SH.					
	-C-		Rr LS: AA & gy-bn-	blk, dn Mdst & argil & dn- ux LS	s.			
		1400		subcarb & sm carb SH, Rr Vcart				
	0.5.10		{HEEBNER} SH: b		1418' (-242) HEEBNER			
	0, 5 ^{-C-} 10	1450	SH: Vgt'd lt-dk gn-g & lmy Vgt'd SH.	y & rd-mrn & gy-blk, sm blk carb	AA, sm calc			
	vis 65 wt 9.0 LCM 2#		SH: AA, Pred gy, sm	ı blk.				
	5	4800	{TORONTO} Incrs VPr- Pr Poro, sm VP	LS: cm-tn, ux- Vfnxln, sm fos W r- NV Poro, NS.	kst- Pkst, sm			
	0 5 10	1500	LS: AA & dn Mdst, : SH: Vgt'd, gy-blk &	sm Wkst- Pkst w/ Pr- NV Poro, N gn-gy & mrn-rd SH.	īS.			
	-c-		SH: Vgt'd, shrp Incrs	s mm-rd SH & lt-dk gn-gy SH.				
	0 5 10	1550	LS: dk gy-bn-blk, sn NV Poro, NSO. SH- SILTS: lt-dk gy VPr- Pr visbl Poro, N					

 0 5 10	1600	Tre Sd Clust: AA & Silts AA, NS.		
-c- vis 46 wt 9.2 LCM 1#		SH: dk-lt gy & blk, Rr mrn-rd. sm calc & lmy SH. & LS: dk gy-bn, Vargil. Pred gy SH.		
 0 5 10	1650	SH: Pred dk gy, Rr blk carb, Rr rd-mrn SH.		
		Pred dk gy & Vgt'd SH.		
0 5 -c- 10	1700	SH: AA, dk gy & Vgt'd. {IATAN} VRr LS: cm-tn, ux- fnx & Wkst w/ Pr- NV Poro, NS. sm argil.	1720' (-544) IATAN	02/22/2021 Drlg @ 1726' WT 9.2, VIS 53
-c- vis 53 wt 9.2 LCM 3#	1750	SH: Pred dk gy & Vgt'd SH, AA. {STALNAKER} SS: It-dk gy, Vfn Gr'd, silty & well cmt'd, Rr	1755' (-579) STALNAKER	W 1 9.2, VIS 33 PV 15, YP 14 pH 11.0, WL 6.4 Cl 1100, LCM 33 ECD 9.55
-c- vis 50 wt 9.2 LCM 3#		fribl w/ vPr- Fr visbl Poro, NS. micae & Silty Sd Clust & Silts. SS- Sd Clust: It gy-bf, Pred Vfn Gr'd, well cmt'd- fribl w/ sm Fr- Gd visbl Poro, NS. NF. NC. & Silty Sd Clust & Sndy Silts.		
-c- 0 5 10	1800	sm SH: gy- blk & mm-rd. SILTS: lt-dk gy & bf, sm sndy, Vfn Gr'd.		
-C-	1850	SH: Pred dk gy- blk. (Rr Silts & Silty Sd, AA)		
0 5 10 -c- vis 48 wt 9.2 LCM 1#				
- c- 0 5 10	1900	SS- Sd Clust: It gy-bf, Vfn- fn gr'd, well cmt'd- subfribl w/ Pr- fr visbl Poro, VRr Gd Poro, NS. NF. NC. NO. Pred SH: dk gy- blk & VRr Sd Clust: lt gy.		
0 - 5 - c - 10	1950	Frly Abndt SS- Sd Clust: It gycm, Vfn- fn Gr'd, well rnd'd- subanglr, sm fribl w/ Fr- VGd Poro. NS. NF. NC. NO.	**ADD PREMIX & H	ULLS**
-c- vis 61 wt 9.3 LCM 3# 0 5 10	2000	SS- Rr Sd Clust: AA w/ Fr- Gd Poro w/ NS. NF. NC. NO. sm gy, Vfn Gr'd, silty, well cmt'd- subfribl w/ VPr- Pr Poro. & Sndy Silts w/ NS. sm shly, Rr SH, AA.		
-C-		SILTS: gy, sm sndy & SH: gy-blk, sm carb SH. (sm Sd Clust: AA, NSO)		
vis 61 wt 9.3 LCM 3# -c- 0 5 10	2050	Pred SH: gy- blk, sm blk carb SH. (Trc Sd Clust, NS)		
		SH: AA, Incrs blk carb SH. (Trc Sd Clust: AA, NSO)		
0 5 10 	2100	SH: Pred dk gy-blk, AA, sm calc & lmy SH.		
vis 56 wt 9.5 LCM 3# -c- 0 5 10	2150	SH: AA, sm cale & lmy.		
-c- vis 48		{LANSING} LS; tn-gy-bn, ux- fnx, silty- sndy, argil w/ VPr- NV Poro. SILTS: gy, sm sndy, Pred Vfn- Gr'd, sm calc & lmy. & SH: gy- blk, AA.	2168' (-992) LANSING	
vis 48 wt 9.5 LCM 3# 0 c- CFS-20/40/60 ¹⁰ CFS 20/40/60" vis 65 wt 9.4 LCM 2#	2200	{UPPER LAYTON} Rr Sd Clust; lt gy-bf w/ Tn-bn OSTN, Vfn- fn Gr'd, well rnd'd- subanglr, well cmt'd- fribl w/ sm Fr- Gd visbl Poro, subsat- sat brt FLR & STN w/ Fr- Gd SFO- Odor. SS- Abndt Sd Clust: lt gy-bf, Vfn- md Gr'd, Pred Vfn- fn Gr'd, micac & silty w/ Pr- VGd visbl Poro, Trc FLR- SFO- STN- Cut, VSl Odor on brk.	2202' (-1026) UPPER LAYTON SS {Fr- Gd SFO) {Trc SFO)	
	2250	VSI Odor on brk. SS- SD Clust: AA, lt gy-wh, Sl Incrs fn-md Gr'd w/ Fr- Gd Poro, >99% barren. Trc FLR- SFO- STN- Cut.	{Trc SFO) {Trc SFO)	
0 5 10	~~50	 SS- SD Clust: It gy AA, Pred Vfn- fn Gr'd, silty, micac, sm Fr- Gd Poro, >99% barren. SS- SD Clust: It gy-bf, Vfn- md Gr'd, SI Incrs prt md Gr'd, Pred silty & micac, Vfn- fn Gr'd & barren AA. sm Sl shly, sm Sl calc & lmy Sd Clust w/ Pr- Fr Poro. >995 barren. 		
- - σ. 5. 10	2300	SS- SD Clust: lt gy-wh, gy-bf, Vfn- md Gr'd, Sl Incrs fn- md Gr'd, Rnd'd- subanglr w/ Pr- Gd Poro, NSFO.		
-c- vis 56 wt 9.4 LCM 2#		{BASE LAYTON} Incrs SH: Pred gy-blk. VAbndt SH: Pred gy-blk, sm micac.	2325' (-1149) BASE LAYTON SS	
0.1.5.10 -c-	2350	VAbndt SH: Pred gy-blk, sm micac. SH: AA, sm mm-bn.	2453' (-1277) SWOPE	02/23/2022
-c- 0 5 10	2400	 {KANSAS CITY} LS:gy-bn-blk, sm dn- ux & sm argil- shly & calc- lmy SH. {DODDS CREEK} SS- SD Clust: lt gy-wh & gy-bf, Vfn- fn Gr'd, well cmt'd- subfribl w/ Pr- Fr Poro, Tre fribl w/Gd Poro. Tre SFO- FLR- Cut. ~75 UGK. >99% barren. Pred silty & micac & Vfn Gr'd w/ Pr visbl Poro & barren. & SILTS: gy, sndy. 	2378' (-1202) KANSAS CITY 2387' (-1210) DODDS CREEK SS ~ 75 UGK {Trc SFO)	02/23/2021 Drlg @ 2377' WT 9.5, VIS 56 PV 21, YP 17 pH 10.5, WL 7.2 Cl 1500, LCM 3# ECD 9.88
0 5 10 vis 56 wt 9.5		SS- Sd Clust: It gy, Pred vVfn- fn Gr'd, silty, micac & well cmt'd- subfribl w/ Pr- Fr Poro, NSFO. sm SH: AA. [DENNIS] LS: tn-gy-wh, sm mot'd, Pred dn- ux Wkst- Pkst w/	2431' (-1255) DENNIS	
0 5 10 - c -	2450	{DENNIS} LS: tn-gy-wh, sm mot'd, Pred dn- ux Wkst- Pkst w/ VPr- NV Poro. NSO. LS: dk-lt gy, dn Mdst & ux- dn. SH: gy-blk. {SWOPE} LS: dk-lt gy-tn, dn- ux & dn Mdst w/ VPr- NV Poro. NSO.		
-c- vis 50 wt 9.5		LS: gy, dn & argil Mdst. SH: gy-blk, calc & lmy & blk carb SH. Pred SH: gy-blk, Rr SILTS: gy- sndy.		
	2500	 SH: Pred gy-blk, subcarb. {HERTHA} LS:tn-gy-wh, Pred dn- ux Wkst- Pkst, sm gy-blk argil, VPr- NV Poro, NSO. & SH: blk carb & calc- lmy. LS: gy-blk, argil- shly. LS: gy-wh, subchlky mdst w/ VPr- NV Poro, NSO. sm argil- silty. 	2508' (-1332) HERTHA	
	2550	LS: gy-wh, subchlky mdst w/ VPr- NV Poro, NSO. sm argil- silty. SILTS: gy, sm sndy: Vfn- fn Gr'd & Rr Sd Clust: lt gy, Vfn- fn Gr'd w/ Pr- Fr Poro, NSO. micac. SH: lt-dk gy & Silts,AA. VRr Sd Clust AA w/ NSO. (sm LS AA)		
		SH: AA, Rr blk carb. & SILTS: sm sndy, AA.	**ADD PREMIX & H	ULLS**
vis 65 wt 9.4 LCM 3# 0 5 10 -c- vis 65 wt 9.4	2600	SH: Pred dk gy- sm blk. {MARMATON} LS:gy-tn-wh, sm mot'd, ux- fnxln, sm coral fos- flutes w/ Rr Fr- Gd fos-mold Poro, Trc SFO- FLR- STN- Cut , sm chllw, sm dn & arail	2612' (-1436) MARMATON {Trc SFO)	
wt 9.4 LCM 3# vis 65 wt 9.5 LCM 3# -c-	2650	 {ALTMONT} LS: tn-gy-wh, ux- fnxln, VRr mdx- crsx- 2Rx, fos & prt chlky, Rr Fr- Gd Poro, VRr coral fos- flutes w/ SFO- FLR, Rr fos mold & vug Poro & IGr Poro w/ FLR & VSI SFO, ~30 UGK. ~5% w/ FLR- SFO, spt'd OSTN & Cut, VSI Odor. sm argil- shly LS & Abndt dk gy- bn- tn, dn- ux LS w/ VPr- NV Poro & barren. 	{Trc SFO) 2631' (1455) ALTAMONT ~30 UGK {VSI SFO)	
0 5 10 		SH: gy, sm calc & lmy & SH: blk subcarb- carb. {PAWNEE} LS: tn-gy-wh, ux- fnxln Wkst- Pkst, prt chlky, sm grnlr Pkst, Rr Pr- Fr Poro: IGr Poro, pp Poro, IX Poro, VRr md- crsx- 2nd Rx. >100 UGK, >5%<10% w/ spt'd- subsat FLR, SI- Fr SFO- Gas Conds w/ FLR & Fr Odor, ~10% w FLR & SI-	2671' (-1495) PAWNEE ~100 UGK {SI- Fr SFO- Gs Cond)
vis 58 wt 9.5 LCM 3#	2700	Fr SFO- Gas Conds w/ FLR & Fr Odor. ~10% w FLR & SI- Fr SFO. Abndt dn- Pr Poro, sm argil LS. SH: sm blk carb, sm calc & lmy.	2711' (-1535)	
-C-		{FORT SCOTT} LS: gy-tn-wh, Pred dn- Pro Poro & ux- fnxln, Tre mdx- 2Rx, sm pp- vug Poro, IX Poro, <5% w/ spt'd FLR, Ufrc, pp- IX & IGr Poro & aprtnt Frc Edg w/ FLR, VRr lt Tn-bn OSTN & Cut, VSI SFO, VSI Odor. sm prt chlky, Pred Pr- NV Poro & barren. sm argil. SH: blk carb & subcarb. LS: dk-lt gy, Pred dn & argil w/ VPr- NV Poro.	FORT SCOTT {VSI SFO)	
0.5.10 	2750	LS: dk-lt gy, Pred dn & argil w/ VPr- NV Poro. {CHEROKEE} SH: Incrs blk carb- Vcarb, AA. SILTS: gy, cale, sm sndy. (sm LS, AA) SH- SILTS: lt- dk gy.	2745' (-1569) CHEROKEE	
vis 53 wt 9.4 LCM 3# 0 5 vis 54 wt 9.4	2800	SH: Pred dk gy, sm blk carb.		
• • • • • • • • • • • • • • • • • • •		 SH: AA, sm calc & lmy, sm dn & argil LS. Trc Coal. SH & SILTS: sm micac, sm sndy. Rr LS: tn-gy, dn, ux & argil Mdst. SH: blk carb & Rr coal. 		
0.5.10	2850	SH: blk carb & Rr coal. SILTS- Mdst- cale & lmy & SH: AA. Pred SH: dk- lt gy, VRr blk carb.		02/24/2021 Drlg @ 2861' WT 9.5. VIS 52
vis 52 wt 9.5 LCM 4# -c-	_	SH: dk-lt gy, sm Silts, sm calc & lmy.		WT 9.5, VIS 52 PV 16, YP 17 pH 10.5, WL 7.2 Cl 1700, LCM 4# ECD 9.86
0 5 10	2900	SH: dk- md gy, VRr blk carb. SH: AA, sm blk carb, sm calc & lmy, sm sndy Silts.		
⁰ - c - c - 5 -20/40/60 ^{,10}	2950	SILTS: lt gy, sm sndy, Vfn Gr'd, VRr Sd Clust: gy-wh, Vfn Gr'd, silty, subfribl w/ Pred Pr- Fr Poro, NSO. & SH: AA. Trc Sd Clust: fribl w/ FLR. SH: blk carb- subcarb. SH: Shrp incrs mrn-rd, sm gn-gy.		
vis 48 wt 9.6 LCM 4#		SH: AA. SH: AA.		
vis 65 wt 9.5 LCM 4# 0 5 10 c- CFS-20/40/60"	3000	SH: Vft'd lt-dk gy & gy & rd-mrn & Rr blk carb. {MISSISSIPPIAN} CHERT: wh-bf-gy,~50% Tripolc wthr'd w/ Fr- Gd Poro & Fr- Gd SFO- FLR- STN. ~50% frsh- Sl wthr'd w/ VSI- SI SFO- spt'd FLR, spt'd to sat OSTN & SI- Gd	**10' SAMPLES** 3015' (-1839) MISS CHERT ~85 UGK {Fr- Gd SFO)	DST #1 MISS 2725'-3080' 30-45-60-90 1st Op: Wk blo, blt to strng blo in 10 min, blt to 29'' 2nd On: Wk blo.
CFS 20/40/60'' - -c- 0 5 10	3050	 wthr'd w/ VSI- SI SFO- spt'd FLR, spt'd to sat OSTN & SI- Gd mlky Cut. Strng Gsy Oil Odr, sm frsh to Sl wthr'd Chert w/ uFrc- Edg FLR- SFO. {MISSISSIPPIAN} LS: tn-gy-wh, sm mot Pkst- fos & ux- fnxln, VRr prt mdxln, VCherty, sm Fr- Gd Poro: pp- vug Poro, IGr & IX Poro w/ spt'd- subsat Lt OSTN- FLR- SI SFO & Cut, SI Odor. sm chlky LS. LS: AA, Trc Grst w/ Gd- VGd I Gr Poro w/ FLR- SFO- STN- 	{Fr- Gd SFO) 3031' (-1855) MISS LS {SI SFO) >50 UGK	2nd Op: Wk blo, blt to strng blo in 12 min, blt to 43" Rec: 290' TF: 180' GIP 290' DM, Trc O Tool Spl: 2%O, 98%M IHP: 1337
0 5 10		LS: AA, 1rc Grst W/Gd-VGd1Gr Poro W/FLR-SFO-S1N- Cut. Cherty. (Frly Abndt SH: AA.) LS: tn-gy-wh, prt chlky, sm Pkst- grst- fos, sm ool w Fr- Gd IGr Poro & ux- mdxln- 2Rx, Rr spt'd- subsat FLR , SI SFO- STN & Cut. sm wh- Vchlky LS w/ Trc SFO- FLR & Cut. Cherty: bly-gy & wh, Pred shrp.	>50 UGK {VSI SFO) {SI SFO)	IFP: 33-111 ISIP: 845 FFP: 115-162 FSIP: 857 FHP: 1324 BHT: 106 F
0 5 vis 65 10 wt 9.3 LCM 3.5# -c-	3100	LS: AA, Shrp Incrs in wh-chlky LS, VRr FLR- SFO Cut. SI Odor. LS: gy-tn-wh, prt chky, sm Wkst- Pkst w/ Pr- Fr Poro: uIGr & uX Poro, VRr FLR & Trc SFO- Cut, VSI Odor.	{Trc SFO) {Trc SFO)	02/25/2021 TOH/F/DST#1 @3080' WT 9.4+, VIS 52 WV 17, YP 16 pH 10.0, WL 6.4 Cl 1200, LCM 3.5#
		LS: dk-lt gy-bn & tn-wh mot'd Wkst- Pkst w/ VPr- Pr Poro, sm argil- shly, sm silic dn. Trc FLR- SFO- Resid Cut . sm silic & CHERTY: dk gy- blk, vit, shrp. LS: AA, Iners tn-gy-wh mot Pkst, prt chlky, VPr- Pr visbl Poro, Trc FLR- SFO .	{Trc SFO) {Trc SFO)	
0 5 10 vis 58 wt 9.4+ LCM 3# -c-	3150	<pre>{COWLEY} LS- DLS: dk-lt gy, ux- dolome & argil Mdst, sm VPr visbl & aprnt Poro: uFre & uIX Poro, Tre FLR, Tre SFO- Cut >99% barren. Sl Cherty & sm silie- dn.</pre>	3150' (-1974) COWLEY {Trc SFO) {Trc SFO)	
0. 5. <u>-c</u> - 10	3200	LS: dk-lt gy- blk, ux- dn, sm dolome, sm silie, SI CHERTY: gy- blk, vit, shrp Trc uFrc- Edg FLR & uIX Poro w/ Trc SFO & Resid Cut. sm argil Mdst. LS: AA, SI Incrs gy- blk argil Mdst w/ VPr- NV Poro.	{Trc SFO)	
-C-		LS: gy- blk, ux- SI dolome, SI silie & argil w/ VPr- NV Poro, Tre uFre- Edg & uIX Poro w/ FLR, Tre SFO & Resid Cut >99% barren & dn- argil Mdst. LS: AA, sm gy- wh subchlky- chlky, Tre uFre- Ed & uIX & u/Cr Poro w/ Tre ELP . Tre SFO & Posid Cut >99% barren	{Trc SFO) {Trc SFO)	02/26/2021 Drlg @ 3210' WT 9.4, VIS 56 PV 21, YP 17 pH 10.0, WL 6.4 Cl 1100, LCM 1.5# ECD 9.78
0 5 10 -c-	3250	uIGr Poro w/ Trc FLR, Trc SFO & Resid Cut >99% barren. sm cryptox- ux dn Lithogr, silic, SI CHERTY: gy-blk, vit, shrp.		
-c- vis 52 wt 9.5 LCM 2#	3300	LS: gy-blk & dk gy-bn, dn- ux, sm silic, sm Sl dolome, sm argil, VPr visbl- NV Poro, Trc uFrc- Edg FLR, Trc SFO- Resid Cut 99% barren & dn argil Mdst. LS: AA, dk-lt gy-bn & blk, sm ux- Sl dolome & argil, sm Sl silic & sm dn- argil Mdst, Pred VPr- NV Poro & barren. Trc FLR, AA.	{Trc SFO)	
	0 	DLS: dk-lt gy & blk & tn, Vfnxln, dolome & silie & SI Cherty, Rr uFre & aprnt Fre Edgs & uIX Poro w/ FLR, Tre SFO & Resid Cut. Tre fnxln- 2nd Rx w/ FLR- SFO on brk, VSI Odor. sm Vsilie & CHERTY: crypto- ux, dn hd, Tre uFre- Edg FLR, Tre SFO.	{Trc SFO)	
0 5 10	3350	LS- DLS: dk gy- blk, ux- Vfnxln, Vargil- shly, >99% barren. (Trc FLR- SFO- Res Cut) Abndt SH: dl gy-blk, sm cale, & dolome Sh. VRr glaue, cale & Imy SH.	**ADD PREMIX**	
-c- vis 57 wt 9.4 LCM 3# vis 55 wt 9.5 LCM 2#		LS: gy-tn-wh, prt chlky & ux- crytpx- dn Mdst w/ VPr- NV Poro, NSO. LS: AA, Incrs wh- subchlky to chlky, VPr- NV Poro. NSO. sm dn- argil- shly Mdst & calc lmy SH. VAbndt LS: wh-chlky & gy-tn, cryptox- ux- dn & SI pyrtc, sm dn		
о 5 10	3400	VAbndt LS: wh-chlky & gy-tn, cryptox- ux- dn & Sl pyrtc, sm dn & argil Mdst, VPr- NV Poro, NSO. {KINDERHOOK} SH: Incrs gy- blk subcarb to blk Vcarb, sm pyrtc. (& LS: AA). Pred SH: AA, Incrs blk carb- Vcarb, sm pyrtc.	3405' (-2229) KINDERHOOK	02/27/21 TOH/F/LOGS @ 3426' WT 9.5, VIS 52
-c- CFS 20/40/60"	3450	Pred SH: AA, Incrs blk carb- Vcarb, sm pyrtc.	RTD 3426' (-2250) LTD 3427' (-2251) RAE TOUSLEY 1 403'FNL& 100' FEL Sec 12-34S-05E COWLEY CO., KS API#15-035-24732	(a) 3426' WT 9.5, VIS 52 PV 16, YP 15 pH 9.5, WL 7.2 Cl 1100, LCM 3# ECD 9.86
	-			

RILOBITE	DRILL STEM TEST REPORT						
	Raney Oil Company, LLC	12/34S/6E Cowley, KS					
TESTING, IN	4665 Bauer Brook Court Law rence, KS 66049-9013			u sley #1 Ticket: 66	5729	DST	F#: 1
1857 ·	ATTN: Tom Raney/Roger Mart		Test Start: 2021.02.25 @ 13:46:00			0	
GENERAL INFORMATION:							
Formation: Upper Mississipp	ian						
Deviated: No Whipstock: Time Tool Opened: 15:15:40 Time Test Ended: 21:05:20	ft (KB)		Test Test Unit	ter: J	Convention Jimmy Rick 30		Hole (Initial)
Interval: 2725.00 ft (KB) To 3 Total Depth: 3080.00 ft (KB) (4 Hole Diameter: 7.88 inches Hole 4			Refe	erence ⊟e KB to	evations: o GR/CF:	1168	.00 ft (KB) .00 ft (CF) .00 ft
Serial #: 8369 Outside							
Press@RunDepth: 162.17 psig Start Date: 2021.02.25 Start Time: 13:46:01		2021.02.25 21:05:20	Capacity Last Calil Time On	b.:	2021.02.25	1899.12	
Start Time. 15.40.01		21.05.20	Time Off		2021.02.25	-	
Pressure vs	Time 5399 Tomponiare 	Time	PF Pressure	RESSUR Temp	RE SUMN Annotat		
1339 Pressure		Time					
		(Min.) 0	(psig) 1337.79	(deg F) 101.98	Initial Hyd	ro-static	
		2	33.21	101.67	Open To	Flow (1)	
		32	111.29 845.93	103.66 104.21	Shut-In(1) End Shut-		
		77	115.99	103.99	Open To	Flow (2)	
		137 227	162.17 857.42	105.35 106.11	Shut-In(2) End Shut-		
		231	1324.09	106.41	Final Hyd		
25 Thu Fréb 2021	GRA STM						
 D							
Length (ft) Description	Volume (bbl)			Gas Choke (ir	s Rates	sure (psig)	Gas Rate (Mcf/d)
290.00 OSM Tr O & 100% M	2.43					(paig)	
180.00 GIP 100% G	2.52						
0.00 TS OSM 2% O & 98% M	1 0.00						

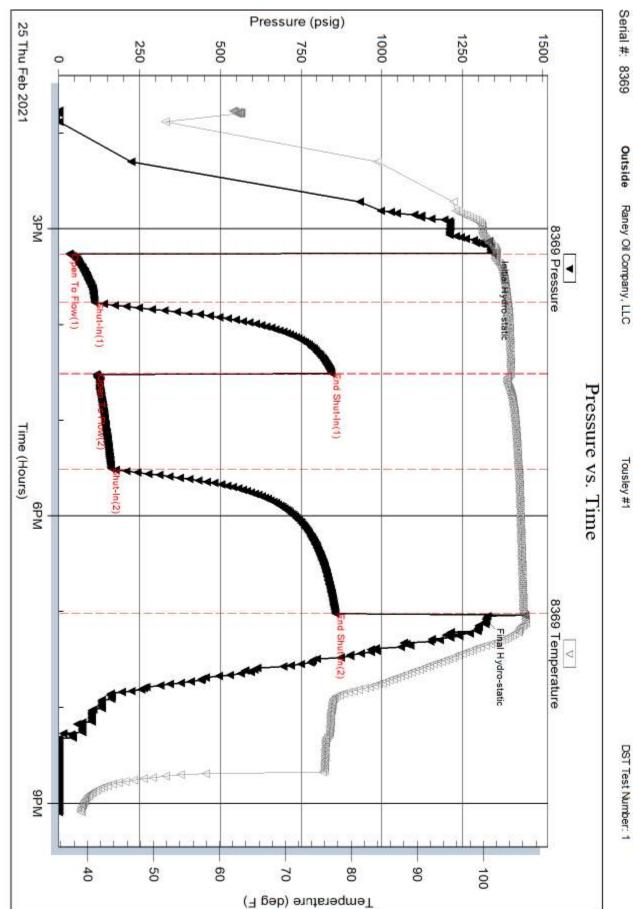
		DRILL STEM TEST REPORT						
	BITE	Raney Oil Company, LLC		12/34S/6E Cowley, KS				
I ES		4665 Bauer Brook Court		Tousle	y #1			
		Law rence, KS 66049-9013		Job Ticke	t: 66729	DST	'#: 1	
		ATTN: Tom Raney/Roger	Mart	Test Star	t: 2021.02.:	25 @ 13:46:0	0	
GENERAL INFORMA	TION:							
Formation:UpperDeviated:NoTime Tool Opened:15:15:4Time Test Ended:21:05:2		ft (KB)		Test Type Tester: Unit No:	e: Conver Jimmy F 80	ntional Bottom Ricketts	Hole (Initial)	
Interval: 2725.00 ft	t (KB) To 3080	0.00 ft (KB) (TVD)		Reference	e Elevations	s: 1176.	.00 ft (KB)	
•	00 ft (KB) (TVD	,					.00 ft (CF)	
Hole Diameter: 7.	88 inchesHole C	onallon: Fair			KB to GR/C	л: 8. 	.00 ft	
Serial #: 8846 Press@RunDepth:	Inside	2726.00 ft (KB)		Capacity:		0000	.00 psig	
Start Date:	psig @ 2021.02.25	End Date:	2021.02.25	Last Calib.:		1899.12.		
Start Time:	13:46:01	End Time:	21:05:20	Time On Btm:				
				Time Off Btm:				
	Pressure vs. Time	e		PRES				
1270	Pressure vs. Time	890 Tempodare	- 100 Time	PRES Pressure Ter (psig) (der	•	IMMARY otation		
f	Pressure vs. Time		(Min.)	Pressure Ter	mp Ann			
		500 Tomponaux	- 1000 - 500 - 700 - 70	Pressure Ter	mp Ann	otation		
	Time (Hane)	500 Tomponaux	- 1000 - 500 - 700 - 70	Pressure Tel (psig) (de	Gas Rate	otation	Gas Rate (Mct/d)	
229 300 70 279 279 279 279 279 279 279 279	Time(Ham) Time(Ham) Time(Ham) Recovery Description & 100% M	500 Tomporare	- 1000 - 500 - 700 - 70	Pressure Tel (psig) (de	Gas Rate	es	Gas Rate (Mcf/d)	
tz9 1000 700 700 700 700 700 700 70	Time (Hans) Time	Bit Temperature Bit Temperature Image: State Stat	- 1000 - 500 - 700 - 70	Pressure Tel (psig) (de	Gas Rate	es	Gas Rate (Mcf/d)	
tz9 1000 700 700 700 700 700 700 70	Time(Ham) Time(Ham) Time(Ham) Recovery Description & 100% M	500 Tomporare	- 1000 - 500 - 700 - 70	Pressure Tel (psig) (de	Gas Rate	es	Gas Rate (Mcf/d)	
239 709 709 709 709 709 709 709 70	Time (Hans) Time	Bit Temperature Bit Temperature Image: State Stat	- 1000 - 500 - 700 - 70	Pressure Tel (psig) (de	Gas Rate	es	Gas Rate (Mcfrd)	
tz9 100 70 70 70 70 70 70 70 70 70	Time (Hans) Time	Bit Temperature Bit Temperature Image: State Stat	- 1000 - 500 - 700 - 70	Pressure Tel (psig) (de	Gas Rate	es	Gas Rate (Mct/d)	

10h		DRI	LL STEM TEST REPO	FL	FLUID SUMMARY	
	TESTING , INC	Raney	Oil Company, LLC	12/34S/6	E Cowley, KS	
	ESTING , INC.	Law re	Bauer Brook Court nce, KS	Tousley Job Ticket:		DST#: 1
N 37		66049- ATTN:	9013 Tom Raney/Roger Mart		2021.02.25 @ 13:4	-
- freed.			, , ,			
	ushion Information					
	el Chem		Cushion Type:		Oil API:	deg API
/lud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	ppm
iscosity:	52.00 sec/qt		Cushion Volume:	bbl		
Vater Loss:	6.40 in ³		Gas Cushion Type:			
lesistivity:	ohm.m		Gas Cushion Pressure:	psig		
alinity: ilter Cake:	1200.00 ppm inches					
ecovery In						
			Recovery Table			
	Lengt	h	Description	Volume		
	ft	000.00		bbl		
		290.00	OSM Tr O & 100% M	2.4		
		180.00 0.00	GIP 100% G TS OSM 2% O & 98% M	2.5		
			•	•	000	
	Total Length:		.00 ft Total Volume: 4.953			
	Num Fluid Samp		Num Gas Bombs: 0	Serial	l #:	
	Laboratory Nam		Laboratory Location:			
	Recovery Com	nents:				

Printed: 2021.02.25 @ 21:55:56

Ref. No: 66729

Trilobite Testing, Inc

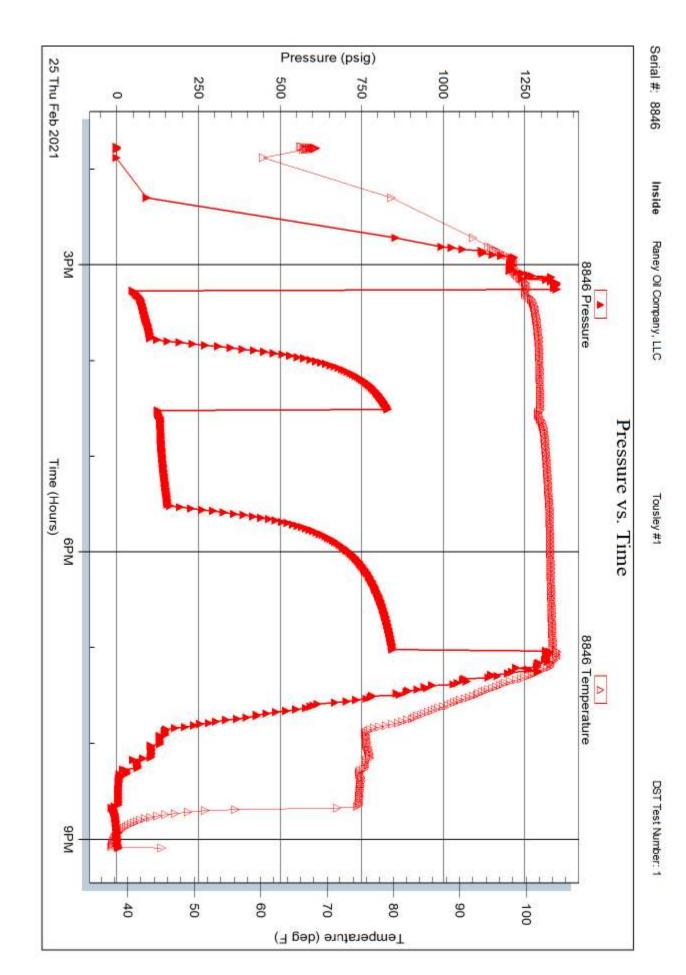


DST Test Number: 1

Printed: 2021.02.25 @ 21:55:56

Ref. No: 66729

Trilobite Testing, Inc



Cement or Acid Field Report Ticket No. 5497

Foreman Russell macoy

	83-5561	CE	MENTING & ACID	SERVICE,	LLC				n <u>Russell</u> Eureka	mecoy
Date	Cust. ID #	Lea	se & Well Number		Section	Tow	vnship	Range	County	State
2-28-21	1.375	Tousle	ey # 1		12	34	15	6	cowley	Ks
Customer				Safety Meeting	Unit #		Driv		Unit #	Driver
DH ENVIGY LLC					105	-	JASO	N		
Mailing Address							AB			
11615 Rosewood St StE 100				JASUNAB	128	-	Russell			
City		State	Zip Code	Josh	10.0		11032	C II		
LEAWOOD	2	Ks	66211							
Displacement_	80%	Displac	Left in Casing 42. cement PSI 110	0	Water Gal/SK Bump Plug to	16	00	BF	her	ha
to Bour o	0 0 +0 3	7 VIC PI	g to cement	Dira	Carcell	n tin	in and	5 1361	Fresh with	attr
N'Y TE EL	Ki Loluo	A.zmix	cement w/	1. 9. 6=	I D H Q	han	acon!	Perlex 0	D. 13.3 # /	anllon
			TAIL w/ 150							
			13.8 # YICID							
Kelease LF	Atch Dou	UN Plag	Displace u	1 00 12	1361 777	esh	wate	r C Firs	+ 40 K61	KLL)
FINAL P.	MP PSI	1100 - 6	SEAT Plug +	0 1600"	WAIT	2 M		Check	FIDAL FI	OAL
			Juring All Ca	ement	ing proc	epu	mee	Jubcor	npiete, Ter	an Down
Plug RAt.	e Hole w	25 5K: 6	940						4	

#26 # 28 BASKets #10,18,30 4 Centralizers # 24 # 17 5

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-102	1	Pump Charge	1100.00	1100.00
5-107	60	Mileage	4.20	252.0
- 203	100 543	60/40 POZMix COMENT 75 SKi LOAD COMENT	13.40	1340.00
-206	515 ¥	Gel = 6% 25 skis in RAthole	. 21	108.15
-208	200 #	Phenoseni	1.30	260.00
- 201	150 SKi	Thickset coment	20.50	3075.00
. 207	750*	Kolseal 5 * Peysk	. 47	352.50
-208	150 #	Phenosen 1 # Perisk	1.30	195.00
-211	50 #	CFL-115 1/3 %	11.00	550.00
-691	1	5/2 Guide ShOE	175.00	175.00
-674	1	5 1/2 FIDAT (AFU) COLLAR W LATCH DOWN Plug	359.00	3 59.00
. 604	3	5 1/2 CEMENT BASKETS	236.00	708.00
- 504	10	5 1/2 × 7 7/8 centralizers	50.00	500.00
-421	1	5 1/2 LAton Down Plug	242.00	242.00
- 222	5	GAILON'S KLL (FIRST 40 BOI DisPLACEMENT WATTE)	30.00	150.00
-108 B	12.55 Tuni	Ton Milenge x 60 miles	1.40	1054.20
			Sub TOTAL	10,420.85
			Less 5%	547.09
			6.5 Sales Tax	520.95
Authoriz	ration 75	Ger Martin Title Goo	Total	10, 394.71

810 E 7TH

PO Box 92 **EUREKA, KS 67045**

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.