

Confidentiality 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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

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: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Raney Oil Company, LLC
Well Name	JONES 2D
Doc ID	1641191

All Electric Logs Run

DIL
sonic
micro
comp density

Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



Date	Invoice #
2/10/2022	6201

Bill To	
RA Energy LLC 11615 Rosewood St., Suite 100 Leawood, KS 66211	
Customer ID#	1375

Job Date	2/8/2022
Lease Information	
Jones #2D	
County	Cowley
Foreman	DG

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C101	Cement Pump-Surface	1	890.00	890.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C200	Class A Cement-94# sack	190	17.35	3,296.50T
C205	Calcium Chloride	535	0.69	369.15T
C206	Gel Bentonite	350	0.28	98.00T
C209	Flo-Seal	50	2.60	130.00T
C108B	Ton Mileage-per mile (one way)	535.8	1.40	750.12
D101	Discount on Services		-94.60	-94.60
D102	Discount on Materials		-194.68	-194.68T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

Subtotal	\$5,496.49
Sales Tax (6.5%)	\$240.43
Total	\$5,736.92
Payments/Credits	\$0.00
Balance Due	\$5,736.92

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



C+G
 Drlg.

Cement or Acid Field Report	
Ticket No.	6201
Foreman	<u>David Gardner</u>
Camp	<u>Eureka</u>

API # 15-035-24752

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
2-8-22	1375	Jones #2D	6	34S.	6E.	Cowley	KS
Customer			Unit #	Driver	Unit #	Driver	
RA Energy LLC			105	Jason			
Mailing Address			113	Broker			
11615 Rosewood St., Ste. 100							
City	State	Zip Code					
Leawood	KS	66211					

Job Type Surface Hole Depth 328' K.B. Slurry Vol. 47 Bbl Tubing _____
 Casing Depth 312.79' G.L. Hole Size 12 1/4" Slurry Wt. 15# Drill Pipe _____
 Casing Size & Wt. 8 7/8" Cement Left in Casing 15' +/- Water Gal/SK _____ Other _____
 Displacement 19 1/2 Bbl Displacement PSI _____ Bump Plug to _____ BPM _____

Remarks: Safety Meeting: Rig up to 8 5/8" casing. Break circulation w/ 10 Bbl fresh water. Mixed 190 sks Class A Cement w/ 3% Cacl2, 2% Gel, 1/4# Floseal/sk @ 15#/gal, yield 1.39 = 47 Bbl slurry. Displace w/ 19 1/2 Bbl fresh water. Shut down. Close casing in. Good cement returns to surface = 13 Bbl slurry to pit. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	890.00	890.00
C107	60	Mileage	4.20	252.00
C200	190 sks	Class A Cement	17.35	3296.50
C205	535#	Cacl2 3%	.69	369.15
C206	350#	Gel 2%	.28	98.00
C209	50#	Floseal 1/4#/sk	2.60	130.00
C108B	8.93 Tons	Ton Mileage - Bulk Truck	1.40	750.12
		Thank You	Sub Total	5,785.77
			Less 5%	301.94
			Sales Tax	253.09
			6.5%	

Authorization by Judd Gulick Title C+G Drlg. Tool Pusher Total 5,736.92

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.

TERMS

In consideration of the prices to be charged by Elite Cementing & Acidizing of Kansas, LLC (ELITE) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay ELITE interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event ELITE retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by ELITE.

Any applicable federal, state or local sales, use, consumer or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All ELITE prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by ELITE. The Customer shall at all times have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises around the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service to be performed.

- (a) ELITE shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, injury to or death of employees and representatives of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of ELITE, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of ELITE, Customer shall be responsible for and indemnify and hold ELITE harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by ELITE; (3) injury to or death of persons, other than employees of ELITE, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; (4) well damage or reservoir damaged caused by (i) loss of circulation, cement invasion, cement misplacement, pumping

cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. ELITE may furnish down-hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage or loss resulting from the use of such tools. Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) ELITE makes no guarantee of the effectiveness of any ELITE products, supplies or materials, or the results of any ELITE treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ELITE is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ELITE. ELITE personnel will use their best efforts in gathering such information and their best judgment in interpreting it. Customer agrees that ELITE shall not be responsible for any damage arising from the use of such information except where due to ELITE's gross negligence or willful misconduct in the preparation or furnishing of it.
- (e) ELITE may buy and resell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that ELITE is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify ELITE against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES – LIMITATION OF LIABILITY

ELITE warrants its title to the products, supplies, and materials used or sold to the customer. **ELITE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANT OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** ELITE's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any ELITE products or services is expressly limited to the replacement of such or their return to ELITE or, at ELITE's option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against ELITE for any special, incidental, indirect, consequential or punitive damages.

Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



Date	Invoice #
2/16/2022	6205

Bill To	
RA Energy LLC 11615 Rosewood St., Suite 100 Leawood, KS 66211	
Customer ID#	1375

Job Date	2/14/2022
Lease Information	
Jones #2-D	
County	Cowley
Foreman	DG

Item	Description	Qty	Rate	Amount
			Terms	Net 15
C102	Cement Pump-Longstring	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C203	Pozmix Cement 60/40	85	14.75	1,253.75T
C206	Gel Bentonite	440	0.28	123.20T
C208	Pheno Seal	170	1.45	246.50T
C201	Thick Set Cement	150	22.55	3,382.50T
C207	KolSeal	750	0.52	390.00T
C208	Pheno Seal	150	1.45	217.50T
C211	CFL-115	50	12.10	605.00T
C108B	Ton Mileage-per mile (one way)	714.6	1.40	1,000.44
C691	5 1/2" Guide Shoe	1	193.00	193.00T
C674	5 1/2" AFU Float Collar	1	395.00	395.00T
C604	5 1/2" Cement Basket	3	260.00	780.00T
C504	5 1/2" Centralizer	8	55.00	440.00T
C421	5 1/2" Latch Down Plug	1	266.00	266.00T
C222	KCL	2.5	30.00	75.00T
D101	Discount on Services		-117.63	-117.63
D102	Discount on Materials		-418.37	-418.37T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

Subtotal	\$10,183.89
Sales Tax (6.5%)	\$516.69
Total	\$10,700.58
Payments/Credits	\$0.00
Balance Due	\$10,700.58

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



Cement or Acid Field Report
 Ticket No. **6205**
 Foreman David Gardner
 Camp Eureka

API# 15-035-24752

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
2-14-22	1375	Jones # 2-D	6	34 S.	10 E.	Cowley	KS
Customer			Unit #	Driver		Unit #	Driver
RA Energy, LLC			105	Jason			
Mailing Address			110	Shannon			
11615 Rosewood St., Ste 100			113	Broker			
City							
Leawood							
State		Zip Code					
KS		66211					

Job Type Longstring Hole Depth 3341' K.B. / 3214.75' PBTB Slurry Vol. 50 Bbl Lead Tubing _____
 Casing Depth 3210.18' Hole Size 7 7/8" Slurry Wt. 13.3# - 13.8# Drill Pipe _____
 Casing Size & Wt. 5 1/2" 17# Cement Left in Casing 43.57' S.J. Water Gal/SK _____ Other _____
 Displacement 75 1/4 Bbl Displacement PSI 800 Bump Plug to 1300 PSI BPM _____

Remarks: Safety Meeting: 5 1/2" 17" casing set @ 3210.18'. Circulate w/ mud pump for 1 1/2 HRS. Rig up to 5 1/2" casing. Break circulation w/ 8 Bbl fresh water. Mixed 50 SKS 60/40 Pozmix Cement w/ 6% Gel, 2" Phenoseal/sk @ 13.3#/gal, yield 1.57 = 14 Bbl slurry. Tail in w/ 150 SKS Thick Set Cement w/ 5" Kolseal/sk, 1" Phenoseal/sk, 1/3% CFL-115 @ 13.8#/gal, yield 1.87 = 50 Bbl slurry. Wash out pump & lines. Shut down. Release Latch down plug. Displace plug to seat w/ 75 1/4 Bbl fresh water. (KCL in 1st 40 Bbl). Final pumping pressure of 800 PSI. Bump plug to 1300 PSI. Wait 2 mins. Release pressure. Float & Plug held good. Good circulation @ all times while cementing. Job complete. Rig down.

Note: PBTB - 3214.75'
 Plug R.H. w/ 20 SKS + M.H. w/ 15 SKS
 Centralizers on #1, 2, 9, 11, 16, 19, 21, 30 Baskets on #3, 10, 22

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1100.00	1100.00
C107	60	Mileage	4.20	252.00
C203	85 SKS	60/40 Pozmix Cement	14.75	1253.75
C206	440#	Gel 4% } Lead Cement - 50 SKS	.28	123.20
C208	170#	Phenoseal 2#/sk	1.45	246.50
C201	150 SKS	Thick Set Cement	22.55	3382.50
C207	750#	Kolseal 5#/sk } Tail Cement	.52	390.00
C208	150#	Phenoseal 1#/sk	1.45	217.50
C211	50#	CFL-115 1/3%	12.10	605.00
C108B	11.91 Tons	Ton Mileage - Bulk Trucks	1.40	1000.44
C691	1	5 1/2" Guide Shoe	193.00	193.00
C674	1	5 1/2" AFU Float Collar w/ Latch Down Insert	395.00	395.00
C604	3	5 1/2" Cement Baskets	260.00	780.00
C504	8	5 1/2" x 7 7/8" Centralizers	55.00	440.00
C421	1	5 1/2" Latch Down Plug	266.00	266.00
C222	2 1/2 Gals	KCL (In 1st 40 Bbl Displacement water)	30.00	75.00
			Sub Total	10,719.89
			Less 5%	563.19
			Sales Tax 6.5%	543.88
Authorization <u>Roger Martin</u> Title <u>Geo</u>			Total	10,700.58

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.

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- (a) ELITE shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, injury to or death of employees and representatives of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of ELITE, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of ELITE, Customer shall be responsible for and indemnify and hold ELITE harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by ELITE; (3) injury to or death of persons, other than employees of ELITE, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; (4) well damage or reservoir damaged caused by (1) loss of circulation, cement invasion, cement misplacement, pumping

cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. ELITE may furnish down-hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage or loss resulting from the use of such tools. Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) ELITE makes no guarantee of the effectiveness of any ELITE products, supplies or materials, or the results of any ELITE treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ELITE is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ELITE. ELITE personnel will use their best efforts in gathering such information and their best judgment in interpreting it. Customer agrees that ELITE shall not be responsible for any damage arising from the use of such information except where due to ELITE's gross negligence or willful misconduct in the preparation or furnishing of it.
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WARRANTIES – LIMITATION OF LIABILITY

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Customer waives and releases all claims against ELITE for any special, incidental, indirect, consequential or punitive damages.

Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045



Date	Invoice #
2/15/2022	6204

Bill To	
RA Energy LLC 11615 Rosewood St., Suite 100 Leawood, KS 66211	
Customer ID#	1375

Job Date	2/13/2022
Lease Information	
Jones #2D	
County	Cowley
Foreman	DG

Item	Description	Qty	Terms	Net 15
			Rate	Amount
C103	Cement Pump-Plug (new well)	1	1,100.00	1,100.00
C107	Pump Truck Mileage (one way)	60	4.20	252.00
C200	Class A Cement-94# sack	25	17.35	433.75T
C205	Calcium Chloride	95	0.69	65.55T
C208	Pheno Seal	75	1.45	108.75T
C108A	Ton Mileage (min. charge)	1	365.00	365.00
D101	Discount on Services		-85.86	-85.86
D102	Discount on Materials		-30.40	-30.40T

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
 Elite Cementing & Acidizing of KS, LLC
 PO Box 92
 Eureka, KS 67045

Subtotal	\$2,208.79
Sales Tax (6.5%)	\$37.55
Total	\$2,246.34
Payments/Credits	\$0.00
Balance Due	\$2,246.34

810 E 7TH
 PO Box 92
 EUREKA, KS 67045
 (620) 583-5561



C#6 Drlg.
 Rig #2

Cement or Acid Field Report
 Ticket No. **6204**
 Foreman David Gardner
 Camp Eureka

API# 15-035-24752

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
2-13-22	1375	Jones # 2-D	6	34 S.	6 E.	Cowley	KS
Customer RA Energy, LLC			Unit #	Driver		Unit #	Driver
Mailing Address 11615 Rosewood St. Ste 100			104	Shannon			
City Leawood			114	Braker			
State KS							
Zip Code 66211							
Safety Meeting DG SF BW							

Job Type Plug Back Hole Depth 3341' K.B. Slurry Vol. 5 1/4 Bbl Tubing _____
 Casing Depth _____ Hole Size 7 7/8" Slurry Wt. 15# Drill Pipe 4 1/2" 16.60#
 Casing Size & Wt. _____ Cement Left in Casing _____ Water Gal/SK _____ Other _____
 Displacement 4 5/2 Bbl mud Displacement PSI 150 Bump Plug to _____ BPM _____

Remarks: Safety Meeting: Rig T.D. @ 3341' K.B. circulating on bottom + lost circulation. T.O.O.H. + take bit off. Trip in open ended to 3309'. Break circulation w/ mud for 30 mins. Decent circulation. Rig up to 4 1/2" 16.60# Drill pipe. Mix up a good cement slurry in pit. Mix + pump 25 sks Class 'A' Cement w/ 4% cactz, 3# Phenoseal/sk @ 15#/gal, yield 1.18 = 5 1/4 Bbl slurry. Shut down. Wash out pump + lines. Pump mud threw lines to pit. Switch valves. Displace cement w/ 4 5/2 Bbl mud @ 5 BPM + 150 PSI. Shut down. Release w/ No Flow back. Pull up to 1600' of Drill pipe. Wait 5 HRS. (3:15 P.M. plug down, Trip back in + tag cement @ 8:15 P.M.) Tagged cement @ 3185' = 94' of fill up. Rig up Kelly to Drill pipe + break circulation. Had good returns to surface. Job complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C103	1	Pump Charge	1100.00	1100.00
C107	60	Mileage	4.20	252.00
C200	25 sks	Class 'A' Cement	17.35	433.75
C205	95#	Cactz 4%	.69	65.55
C208	75#	Phenoseal 3#/sks	1.45	108.75
C108A	1.17 Tons	Ton Mileage - Bulk Truck	M/C	365.00
<u>Thank You</u>			Sub Total	2,325.05
			Less 5%	118.23
			6.5% Sales Tax	39.52
Authorization by <u>Judd Gulick / Roger Martin</u> Title <u>Tool Pusher - C#6 Drlg</u>			Total	2,246.34
			Geologist	

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.

TERMS

In consideration of the prices to be charged by Elite Cementing & Acidizing of Kansas, LLC (ELITE) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay ELITE interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event ELITE retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney's fees incurred by ELITE.

Any applicable federal, state or local sales, use, consumer or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All ELITE prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by ELITE. The Customer shall at all times have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises around the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service to be performed.

- (a) ELITE shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, injury to or death of employees and representatives of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of ELITE, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.
- (b) Unless a claim is the result of the sole willful misconduct or gross negligence of ELITE, Customer shall be responsible for and indemnify and hold ELITE harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by ELITE; (3) injury to or death of persons, other than employees of ELITE, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; (4) well damage or reservoir damaged caused by (i) loss of circulation, cement invasion, cement misplacement, pumping

cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) subsurface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. ELITE may furnish down-hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage or loss resulting from the use of such tools. Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

- (c) ELITE makes no guarantee of the effectiveness of any ELITE products, supplies or materials, or the results of any ELITE treatment or services.
- (d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ELITE is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ELITE. ELITE personnel will use their best efforts in gathering such information and their best judgment in interpreting it. Customer agrees that ELITE shall not be responsible for any damage arising from the use of such information except where due to ELITE's gross negligence or willful misconduct in the preparation or furnishing of it.
- (e) ELITE may buy and resell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that ELITE is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify ELITE against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES – LIMITATION OF LIABILITY

ELITE warrants its title to the products, supplies, and materials used or sold to the customer. **ELITE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** ELITE's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any ELITE products or services is expressly limited to the replacement of such or their return to ELITE or, at ELITE's option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against ELITE for any special, incidental, indirect, consequential or punitive damages.

ROGER L. MARTIN
INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY RA ENERGY, LLC/CRANEY OIL COMPANY, LLC
LEASE JONES 2D
FIELD CABIN VALLEY
LOCATION 716 ENL & 907 FWL
SECTION 6 TOWNSHIP 34S RANGE 06E
COUNTY COWLEY STATE KS

ELEVATIONS
KB 1267' GL 1258'
Measurements Are All From KB
API # 15-035-24752-00-00

CONTRACTOR C&G Drilling, Rig #2
SPUD 02/07/2022 COMP 02/14/2022
RTD 3341'/PBRTD 3215' LTD NA/PBLTD 3188'

CASING
SURFACE 8.88" set @ 312' KB
PRODUCTION 5 1/2" 1700 LBS set @ 3210'
w/ 50 sbs Points, 150 sbs Thicket

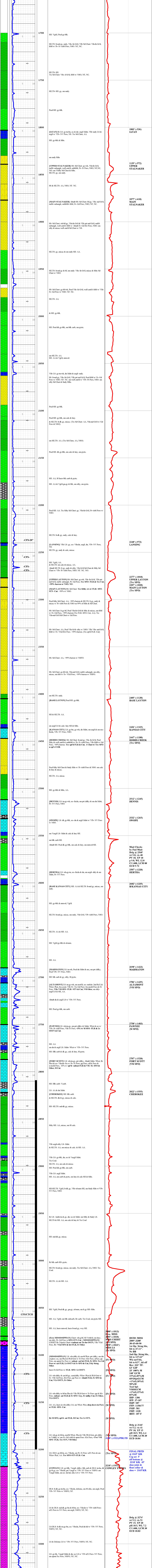
FORMATION TOPS LOG SAMPLES CHRONOLOGY
LATAN 1799' (-532) 1803' (-530) 02/07/2022: MIKU, SPUD 12 1/4" hole, Run 8 5/8" surface casing, Set @ 312' KB.
UPPER STALNAKER 1836' (-568) 1839' (-673) 02/08/2022: WOC @ 340' @ 8-45 AM.
MAIN STALNAKER 1873' (-606) 1877' (-610) 02/10/2022: Drlg @ 2608' @ 8:00 AM.
LANING 2237' (-990) 2240' (-974) 02/09/2022: Drlg @ 1298' @ 8:45 AM.
UPPER LAYTON 2277' (-1086) 2277' (-1086) 02/10/2022: Drlg @ 2608' @ 8:00 AM.
MAIN LAYTON 2288' (-1097) 2287' (-1029) 02/10/2022: Drlg @ 2608' @ 8:00 AM.
KANSAS CITY 2402' (-1154) 2405' (-1148) 02/11/2022: Drlg @ 2608' @ 8:00 AM.
BASKANAS CITY 2435' (-1180) 2436' (-1169) 02/12/2022: Lost circulation @ RTD -3341'. Bore cut job, see below, Ticket #6204, Run Edges @ FINAL PBRTD -3168'.
DODDS CREEK 2447' (-1180) 2447' (-1180) 02/12/2022: Run 5 1/2" longstring production casing.
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SWOPE 2589' (-1325) 2609' (-1365)
HERTHA 2609' (-1365) 2609' (-1423) 2780' (-1446) 2780' (-1446)
BASKANAS CITY 2747' (-1449) 2749' (-1443) 2787' (-1450)
MARMATON 2784' (-1457) 2787' (-1450)
ALTIMONT 2819' (-1482) 2822' (-1455)
PAWNEE 3077' (-1818) 3080' (-1813) 3085' (-1818) 3085' (-1818)
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PBLTD 3188' (-1921) 3215' (-1948)

REMARKS: 02/11/2022: Last circulation Ticket #6204 - Trip in hole w/ 3.5m Phosmat (1560 gal) @ 1.15 PM - 3:05 PM. C&G Drilling - Open-ended by Ellis Cementing & Acid Services, LLC. Plug down @ 3145' FTL. TOH in 100' WOC for ~5 hours. THH & log cut @ 3188' for 100' - 110' of hole. THH cut off by E. Log. Drilled ~10' of cement plug to ~3215' for PBRTD. Production Casing set by Ellis Cementing & Acid Services, LLC. Ticket # 6205: Safety meeting @ 5:12 PM casing @ 3210'. Cut w/ mud pump 1.5 hrs. Rig up to 5 1/2" casing. Break circulation w/ 1.8 bbl fresh water. Mixed @ 15-60/40 Phosmat cement w/ 6% Gel, 2# Phenomax @ 13.30 pm, total 1.575 - 14 bbl slurry. Tail in 150 sbs Thicket Cement w/ 5# Kolcol, 4# Phenomax, 4# WOC, 115 @ 1.30 pm, total 1.875 - 50 bbl slurry. Wash out pump & lines. Shut down. Release latch down plug. Displace 300 gal w/ 75 1/4 bbl fresh water (KCI in 14.40 bbl). Final pumping pressure of 300 psi. Pump plug to 1200 psi. Wait 24 hrs. Plug carbon w/ 20 lbs. & cement. Centralizers on #1, 2, 3, 11, 19, 21, 30, Buckets on #3, 10, 22.

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Respectfully submitted,
Roger L. Martin, Geologist



RAE JONES 2D
716 ENL & 907 FWL
Sec 6-345-06E
COWLEY CO., KS
15-035-24752



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Raney Oil Corp.

Sec 6 34S 6E

4665 Bauer Brook CT.
Lawrence, KS. 66049

Jones 2D

Job Ticket: 67611

DST#: 1

ATTN: Thomas Raney

Test Start: 2022.02.11 @ 15:49:36

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 17:53:46

Time Test Ended: 01:00:46

Test Type: Conventional Bottom Hole (Initial)

Tester: Eric Burgess

Unit No: 80

Interval: 2809.00 ft (KB) To 3200.00 ft (KB) (TVD)

Reference Elevations: 1267.00 ft (KB)

Total Depth: 3200.00 ft (KB) (TVD)

1258.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

Serial #: 8369

Press@RunDepth: 176.60 psig @ ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.02.11 End Date: 2022.02.12

Last Calib.: 1899.12.30

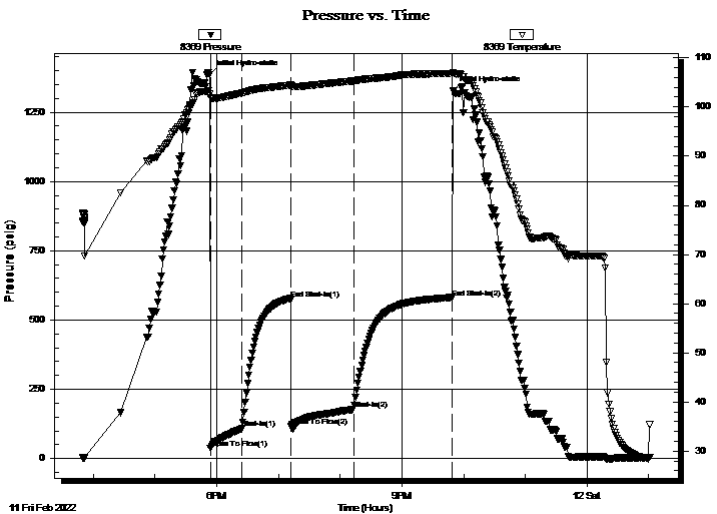
Start Time: 15:49:36 End Time: 01:00:46

Time On Btm: 2022.02.11 @ 17:52:36

Time Off Btm: 2022.02.11 @ 21:49:26

TEST COMMENT: IF: Strong Build Blow Built to 47.11" (30)
IS: No Blow Back
FF: Strong building Blow built to 127.62" (60)
FS: Weak surface Blow built to .5" but died off (90)

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1386.30	102.63	Initial Hydro-static
2	36.61	101.94	Open To Flow (1)
32	107.29	102.84	Shut-In(1)
80	574.10	104.45	End Shut-In(1)
80	114.53	104.26	Open To Flow (2)
141	176.60	105.29	Shut-In(2)
236	580.82	106.84	End Shut-In(2)
237	1328.27	107.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	TS VSOGCM 85%M 15%G <1%O	0.00
60.00	OSGCM 90%M 10%G <1%O	0.46
240.00	GCM 85%M 15%G	1.83
33.00	M 100%M	0.44
0.00	63' GIP	0.00

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raney Oil Corp.

Sec 6 34S 6E

4665 Bauer Brook CT.
Lawrence, KS. 66049

Jones 2D

Job Ticket: 67611

DST#: 1

ATTN: Thomas Raney

Test Start: 2022.02.11 @ 15:49:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	TS VSOGCM 85%M 15%G <1%O	0.000
60.00	OSGCM 90%M 10%G <1%O	0.457
240.00	GCM 85%M 15%G	1.828
33.00	M 100%M	0.444
0.00	63' GIP	0.000

Total Length: 333.00 ft Total Volume: 2.729 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

