

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



Cement or Acid Field Report
 Ticket No. **5399**
 Foreman David Gardner
 Camp Eureka

API# 15-035-24730

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
1-19-21	1375	Jones # 2B	6	34 S.	6 E.	Cowley	KS
Customer			Unit #	Driver	Unit #	Driver	
RA Energy LLC			105	Jason			
Mailing Address			110	Steve			
11615 Rosewood St. Ste. 100							
City	State	Zip Code					
Leawood	KS	66211					

Job Type Surface Hole Depth 348' K.B. Slurry Vol. 48 Bbl Tubing _____
 Casing Depth 348.54' K.B. Hole Size 12 1/4" Slurry Wt. 15" Drill Pipe _____
 Casing Size & Wt. 8 5/8" 24" Cement Left in Casing 15' +/- Water Gal/SK 6.5 Other _____
 Displacement 21 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 200 sks Class A' Cement w/ 3% Cacl2, 2% Gel, 1/4" Floseal/sk @ 15"/gal, yield 1.35 = 48 Bbl slurry. Displace w/ 21 Bbl fresh water. Shut down. Close casing in. Good cement returns to surface = 9 Bbl 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	200 sks	Class A' Cement	15.75	3150.00
C205	565#	Cacl2 3%	.63	355.95
C206	375#	Gel 2%	.21	78.75
C209	50#	Floseal 1/4"/sk	2.35	117.50
C108B	9.4 Tons	Ton Mileage - Bulk Truck	1.40	789.60
<u>Thank You</u>				
			Sub Total	5,633.80
			Less 5%	293.72
			Sales Tax	240.64
Authorization <u>Dion Vasquez</u> Title <u>Pusher</u>			Total	5,580.72

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.

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



Cement or Acid Field Report
 Ticket No. **5424**
 Foreman Kevin McCoy
 Camp EUREKA

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
1-25-21	1375	Jones # 2 B	6	345	6E	Cowley	Ks
Customer	Mailing Address	City	State	Zip Code	Safety Meeting	Unit #	Driver
R. A. ENERGY	11615 Rosewood ST. STE 100	Leawood	Ks	66211	KM AM SM JV	104 110 115	ALAN M. STEVE M. JASH V.

Job Type Longstring Hole Depth 3334' K.B. Slurry Vol. 21 BBL Lead Tubing _____
 Casing Depth 3326' KB Hole Size 7 7/8 Slurry Wt. 13.3* - 13.8* Drill Pipe _____
 Casing Size & Wt. 5 1/2 Cement Left in Casing 42.12' 5J Water Gal/SK _____ Other PBTD 3282'
 Displacement 77.5 BBL Displacement PSI 1100 Bump Plug to 1600 PSI BPM _____

Remarks: Safety Meeting: 5 1/2" 17" casing set @ 3326' KB. Circulate 1 HR w/ mud pump to bring viscosity of mud down to 40. Rig up to cement, BREAK CIRCULATION w/ 5 BBL FRESH WATER. Mixed 75 SKS 60/40 Pozmix Cement w/ 6% Gel, 2* Pheno Seal / SK @ 13.3*/GAL, yield 1.57 = 21 BBL Slurry. Tail in w/ 150 SKS THICK Set Cement w/ 5* Kol-Seal / SK, 1* Pheno Seal / SK, 1/3% CFL-115 @ 13.8*/GAL, yield 1.75 = 47 BBL Slurry. Wash out pump & lines. Shut down. Release Latch down Plug. Displace Plug to Seat w/ 77.5 BBL FRESH WATER. FINAL Pumping Pressure 1100 PSI Bump Plug to 1600 PSI. Release Pressure. Float & Plug Held. Good Circulation @ ALL times while Cementing. Job Complete. Rig down.

Plug RAT Hole w/ 25 SKS 60/40
CENTRALIZERS ON *2, 4, 6, 8, 9, 16, 18, 24, 26, 28, 34 BASKETS ON TOP OF *10, 19

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 102	1	Pump Charge	1100.00	1100.00
C 107	60	Mileage	4.20	252.00
C 203	100 SKS	60/40 Pozmix Cement	13.40	1340.00
C 206	515 #	Gel 6%	.21 #	108.15
C 208	200 #	Pheno Seal 2*/SK	1.30 #	260.00
C 201	150 SKS	THICK Set Cement	20.50	3075.00
C 207	750 #	Kol-Seal 5*/SK	.47 #	352.50
C 208	150 #	Pheno Seal 1*/SK	1.30 #	195.00
C 211	50 #	CFL-115 1/3%	11.00	550.00
C 108 B	12.55 TONS	Ton Mileage 60 miles	1.40	1054.20
C 691	1	5 1/2 Guide Shoe	175.00	175.00
C 674	1	5 1/2 AFU Float Collar w/ Latch down	359.00	359.00
C 604	2	5 1/2 Cement BASKET	236.00	472.00
C 504	11	5 1/2 x 7 7/8 Centralizers	50.00	550.00
C 421	1	5 1/2 Latch down Plug	242.00	242.00
C 222	5 gals	KOL (IN First 40 BBL Displacement water)	30.00	150.00
			Sub Total	10,234.85
			Less 5%	537.19
			Sales Tax 6.5%	508.86
Authorization <u>Kevin McCoy</u> Title _____			Total	10,206.52

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.

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY RA ENERGY, LLC/RANEY OIL COMPANY, LLC		ELEVATIONS	
LEASE JONES 2B (MOAD TWIN)		KB 1135'	GL 1127'
FIELD CABIN VALLEY		Measurements Are All From KB	
LOCATION 857' FNL & 822' FEL		API # 15-035-24730-00-00	
SECTION 6	TOWNSHIP 34S	RANGE 06E	API #
COUNTY COWLEY	STATE KANSAS		

CONTRACTOR DUKE DRILLING, RIG #2		CASING	
SPUD 01/18/2021	COMP 01/25/2021	SURFACE 8.58" set @ 348' KB w/200 sks	
RTD 3334'	LTD 3334'	Class A Common, 3%acc 2% gel	
ELD: DIL, CD/LCN/PE		PRODUCTION 79 jts @ 5.127" set @ 3326'	
MEL, SONIC		w/75 sks 60/40 Por, 150 sks Thick Set	

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
HEEBNER	1358' (-233)	1360' (-226)	01/18/2021- MRRU Duke Drilling, Rig #2- SFD# 2136' (-1001)
LATAN	1654' (-519)	1654' (-519)	01/19/2021- Drlg @ 190' @ 7AM. Run 5.58" csg set @ 348' w/ 200 sks Class A, 3%acc 2% gel
STALNAKER SS	1694' (-559)	1693' (-558)	SILS @ 240' - 1.2 deg.
LANSING/LAYTON ZN	2096' (-961)	2095' (-960)	01/20/2021- Drlg @ 872' @ 7AM. Displaced mud
UPPER LAYTON SS	2135' (-1000)	2136' (-1001)	01/20/2021- Drlg @ 872' @ 7AM. Displaced mud
MAIN LAYTON SS	2182' (-1047)	2182' (-1047)	01/20/2021- Drlg @ 872' @ 7AM. Displaced mud
KANSAS CITY	2289' (-1154)	2287' (-1152)	01/21/2021- Drlg @ 1421' @ 7AM.
DODDS CREEK SS	2301' (-1166)	2302' (-1167)	
DENNIS	2363' (-1228)	2362' (-1227)	01/22/2021- Drlg @ 2369' @ 7AM.
SWOPE	2383' (-1248)	2383' (-1248)	
HERTHA	2437' (-1302)	2435' (-1301)	01/23/2021- CFS @ 2890' @ 7AM.
MARMATON	2540' (-1405)	2540' (-1405)	01/24/2021- Drlg @ 3360' @ 7AM.
ALTAMONT	2558' (-1423)	2558' (-1423)	
PAWNEE	2607' (-1480)	2607' (-1480)	01/25-2021- Running 5.127" production casing @ RTD/1TD 3334' @ 7 AM.
CHEROKEE	2678' (-1543)	2678' (-1543)	
MISSISSIPPIAN CHERT	2937' (-1892)	2938' (-1890)	
MISSISSIPPIAN LS	3141' (-2086)	3140' (-2086)	
COWLEY FACIES	3334' (-2199)	3334' (-2199)	
RTD/LTD			

REMARKS: 01/25/2021- Production Casing Run by Elite Cementing & Acid Service. Safety meeting: 5:12 PM called out at 3326.00' KB. Circulated 1 hr w/ mud pump to bring viscosity of mud down to 4.0. Rig up to cement. Break circulation w/ 5 bbl fresh water. Mixed 75 sks 60/40 Pozsum Cement @ 6% Gel, 2# Phenosealok @ 13.3 mgal, yield 1.57 - 2.11 bbl slurry. Tall in w/ 150 sks Thick Set Cement w/ 6% Gel, 1# Phenosealok, 12% CFE, 11% @ 13.80 mgal, yield 1.75 - 1.80 mgal. Wash out pump & lines. Shut down. Release ball down plug. Displace Plug to seat w/ 175 bbl fresh water. Pump production pressure 1100 psi. Pump plug to 1600 psi - release pressure. Plug & Plug hold. Good circulation @ all times while cementing. Job complete. Rig down. Ticket #5424

Plug Rat Hole w/ 25 sks 60/40
Centralizers on #2, 4, 6, 9, 16, 24, 26, 28, 34.
Baskets on top of #10, 19.

Respectfully submitted,
Roger L. Martin, Geologist

