

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 |
|--|---|

| 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 |
|---|---|------------------------------------|

| 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: | |
|----------------|-------|---------|------------|--|

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



| | |
|-----------|-----------|
| Date | Invoice # |
| 6/28/2021 | 5689 |

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

| | |
|-------------------|-----------|
| Job Date | 6/24/2021 |
| Lease Information | |
| Jones #2C | |
| 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 | 200 | 17.35 | 3,470.00T |
| C205 | Calcium Chloride | 565 | 0.69 | 389.85T |
| C206 | Gel Bentonite | 375 | 0.28 | 105.00T |
| C209 | Flo-Seal | 50 | 2.60 | 130.00T |
| C108B | Ton Mileage-per mile (one way) | 564 | 1.40 | 789.60 |
| D101 | Discount on Services | | -96.59 | -96.59 |
| D102 | Discount on Materials | | -204.74 | -204.74T |

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 | \$5,725.12 |
| Sales Tax (6.5%) | \$252.86 |
| Total | \$5,977.98 |
| Payments/Credits | \$0.00 |
| Balance Due | \$5,977.98 |

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



C+G Drlg
 Rig #2

Cement or Acid Field Report
 Ticket No. **5689**
 Foreman David Gardner
 Camp Eureka

API # 15-035-24739

| | | | | | | | |
|-------------------------------|----------------|---------------------|---------|----------|--------|--------|-------|
| Date | Cust. ID # | Lease & Well Number | Section | Township | Range | County | State |
| 6-24-21 | 1375 | Jones # 2C | 6 | 34 S. | 6 E. | Cowley | KS |
| Customer | Safety Meeting | | Unit # | Driver | Unit # | Driver | |
| RA Energy LLC | DG | | 105 | Jason | | | |
| Mailing Address | JH | | 113 | Shannon | | | |
| 11615 Rosewood St., Suite 100 | SF | | | | | | |
| City | State | Zip Code | | | | | |
| Leawood | KS | 66211 | | | | | |

Job Type Surface Hole Depth 348' K.B. Slurry Vol. 50 Bbl Tubing _____
 Casing Depth 334.36' G.L. Hole Size 12 1/4" Slurry Wt. 15" Drill Pipe _____
 Casing Size & Wt. 8 5/8" 23" Cement Left in Casing 15' 4" 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% Cactz, 2% Gel, 1/4" Floseal/sk @ 15"/gal, yield 1.40 = 50 Bbl slurry. Displace w/ 21 Bbl fresh water. Shut down. Close casing in. Good cement returns to surface = 16 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 | 200 sks | Class 'A' Cement | 17.35 | 3470.00 |
| C205 | 565 [#] | Cactz 3% | .69 | 389.85 |
| C206 | 375 [#] | Gel 2% | .28 | 105.00 |
| C209 | 50 [#] | Floseal 1/4"/sk | 2.60 | 130.00 |
| C108B | 9.4 Tons | Ton Mileage - Bulk Truck | 1.40 | 789.60 |
| Thank You | | | Sub Total | 6,026.45 |
| | | | Less 5% | 314.63 |
| | | | Sales Tax | 266.16 |
| Authorization <u>Witnessed by Judd Gulick</u> Title <u>C+G Drlg. Tool Pusher</u> | | | Total | 5,977.98 |

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.

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



| | |
|-----------|-----------|
| Date | Invoice # |
| 6/30/2021 | 5693 |

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

| | |
|-------------------|-----------|
| Job Date | 6/29/2021 |
| Lease Information | |
| Jones #2C | |
| County | Cowley |
| Foreman | DG |

| Item | Description | Qty | Terms | Net 15 |
|-------|--------------------------------|-----|----------|-----------|
| | | | Rate | Amount |
| 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 | 100 | 14.75 | 1,475.00T |
| C206 | Gel Bentonite | 515 | 0.28 | 144.20T |
| C208 | Pheno Seal | 200 | 1.45 | 290.00T |
| 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 |
| C691 | 5 1/2" Guide Shoe | 1 | 193.00 | 193.00T |
| C674 | 5 1/2" AFU Float Collar | 1 | 395.00 | 395.00T |
| C504 | 5 1/2" Centralizer | 8 | 55.00 | 440.00T |
| C604 | 5 1/2" Cement Basket | 3 | 260.00 | 780.00T |
| C421 | 5 1/2" Latch Down Plug | 1 | 266.00 | 266.00T |
| C222 | KCL | 2.5 | 30.00 | 75.00T |
| C108B | Ton Mileage-per mile (one way) | 753 | 1.40 | 1,054.20 |
| D101 | Discount on Services | | -120.31 | -120.31 |
| D102 | Discount on Materials | | -432.66 | -432.66T |

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 | \$10,506.43 |
| Sales Tax (6.5%) | \$534.34 |
| Total | \$11,040.77 |
| Payments/Credits | \$0.00 |
| Balance Due | \$11,040.77 |

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



G+G Drlg.
Rig #2

Cement or Acid Field Report
Ticket No. **5693**
Foreman David Gardner
Camp Eureka

API# 15-035-24739

| Date | Cust. ID # | Lease & Well Number | Section | Township | Range | County | State |
|--------------------------------|----------------------------|---------------------|---------|----------|----------------------|-------------------|----------------------------|
| 6-29-21 | 1375 | Jones #2C | 6 | 34 S. | 6 E. | Cowley | KS |
| Customer | Mailing Address | City | State | Zip Code | Safety Meeting | Unit # | Driver |
| R.A. Energy / Raney Oil Co LLC | 11615 Rosewood St. Ste 100 | Leawood | KS | 66211 | DG JH SF BW | 105 110 114 | Jason Shannon Broker |

| | | | |
|-------------------------------------|--|--|------------------|
| Job Type <u>Longstring</u> | Hole Depth <u>3158' K.B.</u> | Slurry Vol. <u>21 Bbl Lead 47 Bbl Tail</u> | Tubing _____ |
| Casing Depth <u>3150.92' G.L.</u> | Hole Size <u>7 7/8"</u> | Slurry Wt. <u>13.3# - 13.8#</u> | Drill Pipe _____ |
| Casing Size & Wt. <u>5 1/2" 17"</u> | Cement Left in Casing <u>43.56' JS</u> | Water Gall/SK _____ | Other _____ |
| Displacement <u>74 Bbl</u> | Displacement PSI <u>1300</u> | Bump Plug to <u>1800 PSI</u> | BPM _____ |

Remarks: Safety Meeting. 5 1/2" 17" casing set @ 3150.92' G.L. Circulate 1 HR w/ mud pump to bring Viscosity of mud down. Rig up to 5 1/2" casing. Break circulation w/ 5 Bbl fresh water. Mixed 75 sks 60/40 Pozmix Cement w/ 6% Gel, 2" Phenoseal/sk @ 13.3#/gal, yield 1.57 = 21 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 1.75 = 47 Bbl slurry. Wash out pump + lines. Shut down. Release Latch Down Plug. Displace plug to seat w/ 74 Bbl fresh water. (KCL in 1st 40 Bbl). Final pumping pressure 1300 PSI. Bump plug to 1800 PSI. Release pressure after 2 mins. Float + Plug held. Good circulation @ all times while cementing. Job complete. Rig down.

Plug Rat Hole w/ 25 sks 60/40
Centralizers on #1, 3, 5, 19, 22, 24, 29, 33 Baskets on Top of #3, 5, 24

| 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 | 100 sks | 60/40 Pozmix Cement | 14.75 | 1475.00 |
| C206 | 515# | Gel 6% | .28 | 144.20 |
| C208 | 200# | Phenoseal 2#/sk | 1.45 | 290.00 |
| C201 | 150 sks | Thick Set Cement | 22.55 | 3382.50 |
| C207 | 750# | Kolseal 5#/sk | .52 | 390.00 |
| C208 | 150# | Phenoseal 1#/sk | 1.45 | 217.50 |
| C211 | 50# | CFL-115 1/3% | 12.10 | 605.00 |
| C691 | 1 | 5 1/2 Guide Shoe | 193.00 | 193.00 |
| C674 | 1 | 5 1/2 AFU Float Collar w/ Latch Down Insect | 395.00 | 395.00 |
| C504 | 8 | 5 1/2 x 7 7/8 Centralizers | 55.00 | 440.00 |
| C604 | 3 | 5 1/2 Cement Baskets | 260.00 | 780.00 |
| 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 |
| C108B | 12.55 Tons | Ton Mileage - Bulk Trucks | 1.40 | 1054.20 |
| | | | Sub Total | 11,059.40 |
| | | | Less 5% | 581.09 |
| | | | Sales Tax 6.5% | 562.46 |
| Authorization <u>Roger Martin</u> Title <u>Geologist</u> | | | Total | 11,040.77 |

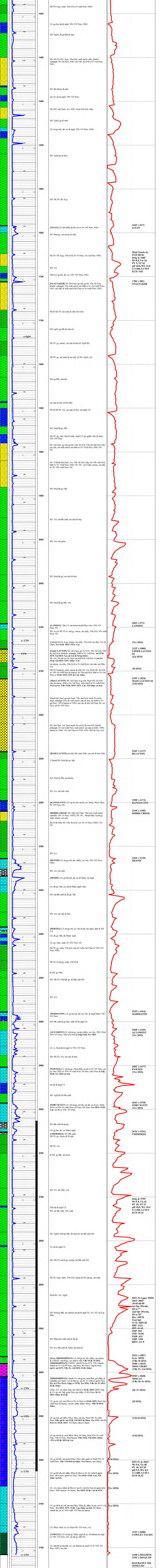
I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

| | | | | | |
|---|--|-------------------|--|---|----------|
| COMPANY RA ENERGY, LLC/RANEY OIL COMPANY, LLC | | | | ELEVATIONS | |
| LEASE JONES #2C | | | | KB 1125' | GL 1116' |
| FIELD RAHN | | | | Measurements Are All | |
| LOCATION 2250' FSL & 1900' FEL | | | | From KB | |
| SECTION 6 TOWNSHIP 34S RANGE 06E | | | | API # 15-035-24739-00-00 | |
| COUNTY COWLEY STATE KANSAS | | | | | |
| CONTRACTOR C&G DRILLING, RIG #2 | | | | CASING | |
| SPUD 06/24/2021 | | COMP 06/29/2021 | | SURFACE 8.58" surface casing set @ 348' KB | |
| RTD 3158' (-2033) | | LTD 3156' (-2031) | | PRODUCTION 5 1/2" 170 casing set @ 3151' KB | |
| ELECTRICAL SURVEYS | | | | | |
| ELE: DIL, CDL/CNL/PE MEL/SONIC | | | | | |

| FORMATION TOPS | LOG | SAMPLES | CHRONOLOGY |
|---------------------|---------------|---------------|---|
| HEBNER SHALE | 1346' (-221) | 1348' (-223) | 06/24/2021- MIRRU C&G Drilling, Rig #2, SPUD 12:14" hole. |
| IATAN | 1648' (-524) | 1642' (-517) | 06/25/2021- WO Pump @ 348' @ 8:20 AM. |
| STALNAKER SD | 1705' (-580) | 1706' (-581) | 06/26/2021- Drilling @ 1685' @ 8:15 AM. |
| LANSING | 2093' (-978) | 2096' (-971) | 06/27/2021- Drilling @ 2759' @ 8:00 AM. |
| UPPER LAYTON SAND | 2155' (-1030) | 2159' (-1024) | 06/28/2021- Run DST #1 @ 3063' @ 9:10 AM. |
| MAIN LAYTON SAND | 2242' (-1117) | 2242' (-1117) | 06/29/2021- Run 5 1/2" production casing @ RTD 3058'. |
| KANSAS CITY | 2294' (-1109) | 2298' (-1103) | |
| DODDS CREEK | 2306' (-1101) | 2310' (-1095) | |
| DENNIS | 2387' (-1252) | 2384' (-1255) | |
| SWOPE | 2436' (-1311) | 2442' (-1317) | |
| MARMATON | 2539' (-1444) | 2539' (-1444) | |
| ALTAMONT POROSITY | 2589' (-1494) | 2560' (-1435) | |
| PAWNEE | 2599' (-1474) | 2602' (-1477) | |
| FORT SCOTT | 2638' (-1513) | 2643' (-1518) | |
| CHEROKEE SH | 2676' (-1551) | 2676' (-1551) | |
| EROS MISS | 2932' (-1807) | 2932' (-1807) | |
| MISSISSIPPIAN CHERT | 2940' (-1815) | 2940' (-1815) | |
| MISSISSIPPIAN LS | 2982' (-1857) | 2955' (-1830) | |
| COWLEY FACIES | 3133' (-2008) | 3133' (-2008) | |
| RTD/LTD | 3156' (-2033) | 3158' (-2033) | |

REMARKS:
Elite Cementing & Acid Services, LLC; Ticket # 5093;
Safety meeting, 5 1/2" 170 casing set @ 3151' KB. Circulate 1 hr w/ mud pump to bring viscosity of mud down. Rig up to 5 1/2" casing. Break circulation w/ 5 bbl free water. Mixed 25 sds 60/40 Purmix Cement w/ 6% Gel, 2# Phenoxethol, 1.3 fluid oz 1.75% M shear. Tail in w/ 150 sds Thick Set Cement w/ 50 Kobalok, 1# Phenoxethol, 1/3% CFI-115 @ 1.80 mg/gal, yield 1.75 - 47 bbl slurry. Wash out pump & lines. Shut down. Release latch down plug. Displace plug to seat w/ 74 bbl fresh water (WC) in 40 bbl. Final pumping pressure 1300 PSI. Pumping rate to 1800 PSI. Release pressure after 2 min. Float & plug held. Good circulation @ all times while cementing. Job complete Rig down.
Plug Rathole w/ 25 sds 60/40.
Centrifuges on #1, 3, 5, 19, 22, 24, 29, 33. Baskets on top of #3, 5, 24.
Respectfully submitted,
Roger L. Martin, Geologist



3158' (-2033)/RTD
RAE/RANEY OIL
JONES #2C
2250' FSL & 1900' FE L
Sec. 6-34S-06E
COWLEY CO., KS
15-035-24739



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Raney Oil Company, LLC

6/34S/6E Cowley, KS

4665 Bauer Brook Court
Lawrence, KS
66049-9013
ATTN: Tom Raney/Roger Mart

Jones #2C

Job Ticket: 6746

DST#: 1

Test Start: 2021.06.28 @ 02:53:00

GENERAL INFORMATION:

Formation: **Upper Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:47:50

Time Test Ended: 11:38:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

Interval: 2663.00 ft (KB) To 3063.00 ft (KB) (TVD)

Reference Elevations: 1125.00 ft (KB)

Total Depth: 3063.00 ft (KB) (TVD)

1117.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8369 Outside

Press@RunDepth: 95.81 psig @ 2664.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.06.28

End Date: 2021.06.28

Last Calib.: 1899.12.30

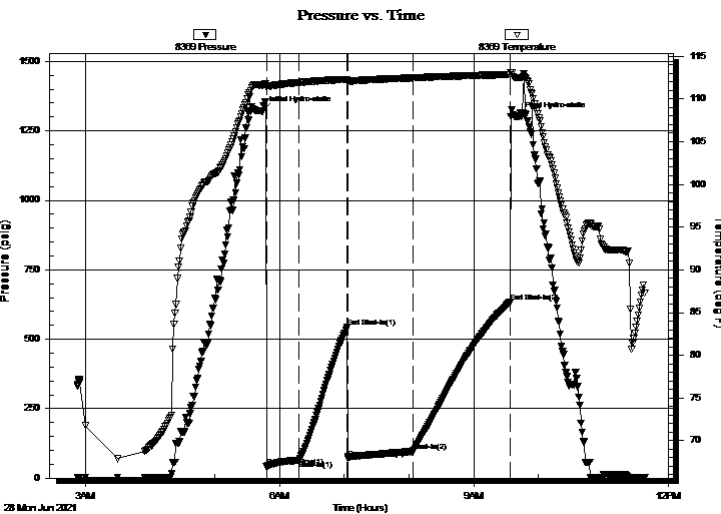
Start Time: 02:53:01

End Time: 11:38:30

Time On Btm: 2021.06.28 @ 05:44:10

Time Off Btm: 2021.06.28 @ 09:40:39

TEST COMMENT: IF - Weak blow building to 7 inches of water during initial flow period.
FF - Weak blow building to 10 inches of water during final flow period.



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1321.08 | 111.63 | Initial Hydro-static |
| 4 | 40.85 | 111.29 | Open To Flow (1) |
| 34 | 65.22 | 111.91 | Shut-In(1) |
| 79 | 542.66 | 112.29 | End Shut-In(1) |
| 80 | 69.69 | 112.12 | Open To Flow (2) |
| 140 | 95.81 | 112.46 | Shut-In(2) |
| 230 | 632.81 | 112.85 | End Shut-In(2) |
| 237 | 1301.46 | 112.50 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|---------------------|--------------|
| 150.00 | Drilling Mud 100% M | 0.74 |
| 0.00 | TS TR O 100% M | 0.00 |
| | | |
| | | |
| | | |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|--|----------------|-----------------|------------------|
| | | | |



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Raney Oil Company, LLC

6/34S/6E Cowley, KS

4665 Bauer Brook Court
Lawrence, KS
66049-9013

Jones #2C

Job Ticket: 6746

DST#: 1

ATTN: Tom Raney/Roger Mart

Test Start: 2021.06.28 @ 02:53:00

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: 43.00 sec/qt

Cushion Volume: bbl

Water Loss: 10.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 1100.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|---------------------|---------------|
| 150.00 | Drilling Mud 100% M | 0.738 |
| 0.00 | TS TR O 100% M | 0.000 |

Total Length: 150.00 ft Total Volume: 0.738 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

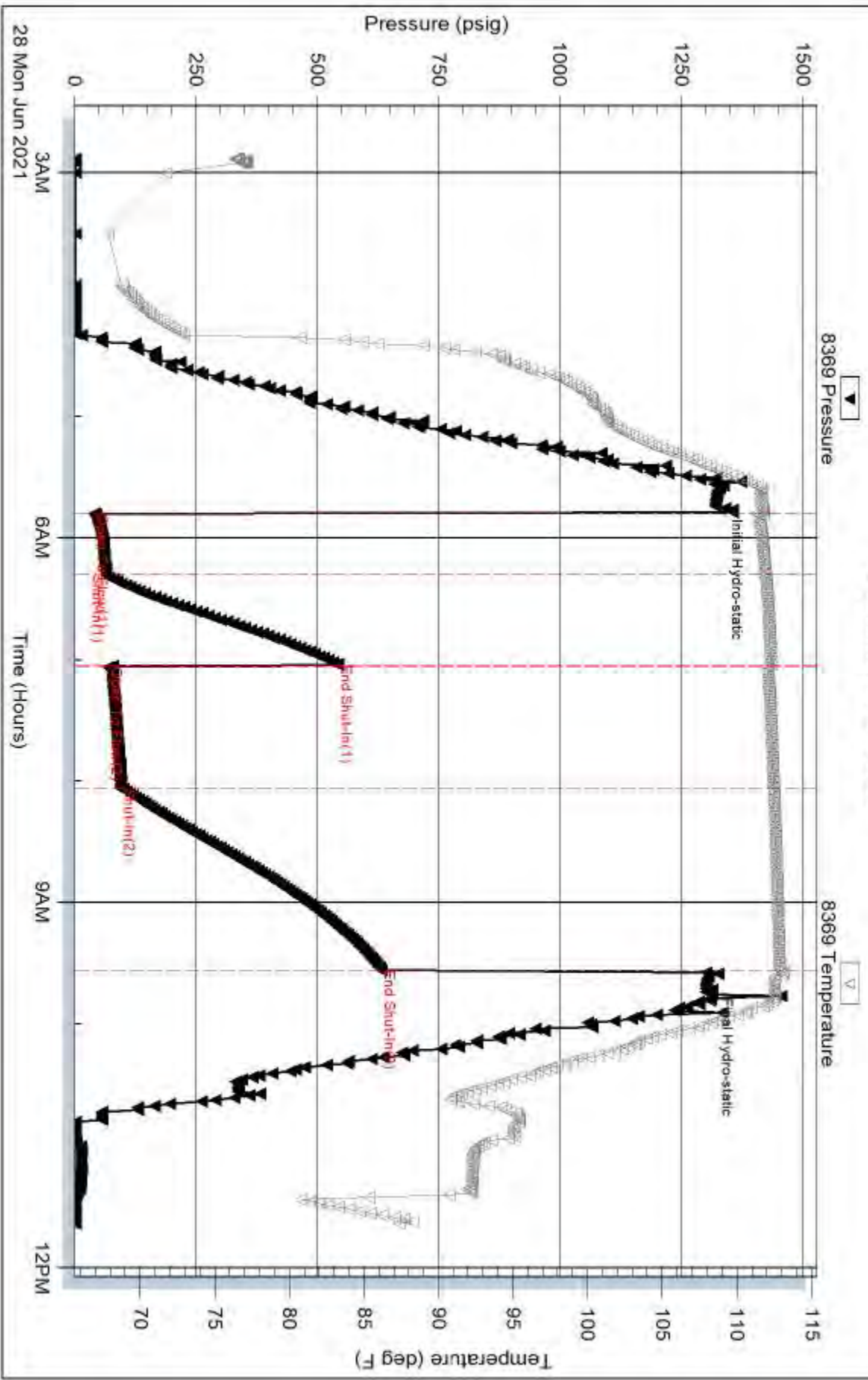
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8846

Inside

Raney Oil Company, LLC

Jones #2C

DST Test Number: 1

Pressure vs. Time

