

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](mailto: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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810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



Cement or Acid Field Report  
 Ticket No. **5647**  
 Foreman Kevin McCoy  
 Camp EUREKA

ARI 15-035-24738

C&G  
 DRI 9  
 R19 #2

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
6-15-21	1375	Pond # 1	12	345	5E	Cowley	KS
Customer <u>RA ENERGY LLC</u>			Unit #	Driver	Unit #	Driver	
Mailing Address <u>11615 Rosewood ST. STE 100</u>			104	<u>ALAN M.</u>			
City <u>Leawood</u>			112	<u>BROKER W.</u>			
State <u>KS</u>		Zip Code <u>66211</u>					

Job Type SURFACE Hole Depth 224' K.B. Slurry Vol. 36 BBL Tubing \_\_\_\_\_  
 Casing Depth 211' G.L. Hole Size 12 1/4" Slurry Wt. 15\* Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 8 5/8" 23" Cement Left in Casing 15' Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 13 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 150 SKS CLASS "A" CEMENT w/ 3% CaCl2, 2% Gel, 1/4" FLOEAL/SK @ 15\*/GAL = 36 BBL SLURRY. DISPLACE w/ 13 BBL FRESH WATER. SHUT CASING IN. GOOD CEMENT RETURNS TO SURFACE = 11 BBL SLURRY TO PIT. Job Complete. Rig down.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C 101	1	Pump Charge	890.00	890.00
C 107	60	Mileage	4.20	252.00
C 200	150 SKS	CLASS "A" Cement	17.35	2602.50
C 205	425*	CaCl2 3%	.67*	293.25
C 206	285*	Gel 2%	.28*	79.80
C 209	37*	FLOEAL 1/4"/SK	2.60*	96.20
C 108 B	7.05 TONS	TON Mileage 60 miles	1.40	592.20
			Sub Total	4805.95
			Less 5%	250.28
			Sales Tax	199.66
Authorization <u>Witnessed By Judd Gulick</u> Title <u>C&amp;G DRI Toolpusher</u>			Total	4755.33

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 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **5674**  
 Foreman Russell mcloy  
 Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State	
6-21-21	1375	Pond # 1	12	34	5	Cowley	Ks	
Customer RA Energy LLC			Unit #		Driver		Unit #	Driver
Mailing Address 11615 Rosewood st STE 100			105		JASON			
City LEAWOOD			112		BROKER			
State Ks			128		RUSSELL			
Zip Code 66211								

Job Type P.T.A. Hole Depth \_\_\_\_\_ Slurry Vol. \_\_\_\_\_ Tubing \_\_\_\_\_  
 Casing Depth 211 GL Hole Size 7 7/8 Slurry Wt. \_\_\_\_\_ Drill Pipe 4 1/2  
 Casing Size & Wt. 8 5/8 Cement Left in Casing \_\_\_\_\_ Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement \_\_\_\_\_ Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM \_\_\_\_\_

Remarks: Safety meeting Plug well as follows  
 35 SK's @ 250'  
 25 SK's @ 60'  
 20 SK's - Rathole  
 15 SK's - mousehole  
 95 SK's TOTAL

API # 15-035-24738

THANKS  
 Russell mcloy

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C-103	1	Pump Charge	1100.00	1100.00
C-107	60	Mileage	4.20	252.00
C-203	95	SK's 60/40 Pozmix	14.75	1401.25
C-206	320 #	Gel = 4%	.28	89.60
C-108 B	4.08	Ton mileage x 60 miles m/c	1.40	365.00
				3,207.85
				-5% Sales Tax
				(165.84)
				96.91

Authorization by Judd Gulick Title Rig Tool Pusher Total 3139.52

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

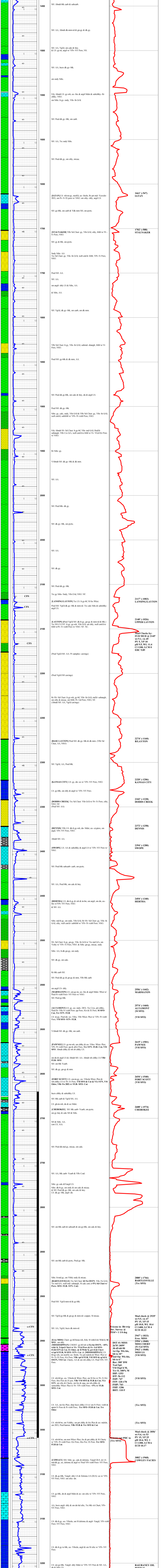
<b>COMPANY</b> RA ENERGY, LLC/ RANEY OIL COMPANY, LLC <b>LEASE</b> POND #1 <b>FIELD</b> RAHN <b>LOCATION</b> 2250' FSL & 800' FEL <b>SECTION</b> 12 <b>TOWNSHIP</b> 34S <b>RANGE</b> 05E <b>COUNTY</b> COWLEY <b>STATE</b> KANSAS		<b>ELEVATIONS</b> <b>KB</b> 1114' <b>GL</b> 1105' <b>Measurements Are All From</b> KB <b>API #</b> 15-035-24738-00-00	
<b>CONTRACTOR</b> C&G DRILLING, RIG #2 <b>SPUD</b> 06/15/2021 <b>COMP</b> 06/20/2021 <b>RTD</b> 3217' (-2103) <b>LTD</b> 3218' (-2104) <b>ELECTRICAL SURVEYS</b> ELE: DIL, CDL/CNL/PE, MEL/SON		<b>CASING</b> <b>SURFACE</b> 8.58" set @ 211' KB <b>PRODUCTION</b> n/a-P&A	

FORMATION TOPS	LOG	SAMPLES	CHRONOLOGY
HEBNER SH	1363' (-239)	1363' (-249)	06/15/2021- SPUD 12 1144' hole. Run 8.58" surface casing set @ 211' KB.
IATAN	1669' (-545)	1661' (-547)	06/16/2021- Drilling @ 400' @ 6:35 AM.
STALNAKER SD	1698' (-584)	1702' (-588)	06/17/2021- CFS @ 2145' @ 10:45 AM.
LANSING/LAYTON ZONE	2114' (-1000)	2117' (-1003)	06/18/2021- CFS @ 2935' @ 8:05 AM.
UPPER LAYTON SD	2147' (-1028)	2140' (-1026)	06/19/2021- Trip Prep for DST #1 @ 3056'.
MAIN LAYTON SD	2175' (-1061)	2176' (-1062)	06/20/2021- Drilled to RTD: 3217'.
BLAYTON	2272' (-1158)	2274' (-1160)	PSI: Post & run E-log. 1.1D; 3218'
KANSAS CITY	2317' (-1203)	2320' (-1206)	06/21/2021- P&A @ 4:20 AM.
DODDS CREEK	2347' (-1228)	2342' (-1228)	
DENNIS	2372' (-1258)	2372' (-1258)	
SWOPE	2392' (-1278)	2392' (-1280)	
HERTHA	2449' (-1335)	2454' (-1340)	
MARMATON	2585' (-1447)	2586' (-1442)	
ALAMONT	2574' (-1460)	2574' (-1460)	
PAWNE	2611' (-1495)	2615' (-1501)	
FORT SCOTT	2650' (-1536)	2654' (-1540)	
CHEROKEE	2688' (-1572)	2688' (-1574)	
BARTLESVILLE	2884' (-1796)	2889' (-1766)	
EROS MISSISSIPPIAN	2947' (-1833)	2947' (-1833)	
MISSISSIPPIAN CHERT	2954' (-1840)	2954' (-1840)	
MISSISSIPPIAN LS	2962' (-1848)	2962' (-1848)	
COWLEY FACIES	3089' (-1966)	3082' (-1968)	
RTD/LTD	3218' (-2104)	3217' (-2103)	

**REMARKS:**

The decision was made to P&A the RAE Pond #1. Elite Cementing & Acid Service, LLC. Ticket # 5674. 25 lbs @ 250', 25 lbs @ 60', 20 lbs RH, 15 lbs MH, 60-60 Pumps, 4% gel

Respectfully submitted,  
Roger L. Martin, Geologist





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Raney Oil Company, LLC

**12/34S/5E Cowley, KS**

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

**Pond #1**

Job Ticket: 66740

**DST#: 1**

Test Start: 2021.06.19 @ 08:56:00

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:55:10

Time Test Ended: 16:46:50

Test Type: Conventional Bottom Hole (Initial)

Tester: Jimmy Ricketts

Unit No: 80

**Interval: 2670.00 ft (KB) To 3059.00 ft (KB) (TVD)**

Reference Elevations: 1114.00 ft (KB)

Total Depth: 3059.00 ft (KB) (TVD)

1105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8369 Outside**

Press@RunDepth: 178.49 psig @ 2671.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.06.19 End Date: 2021.06.19

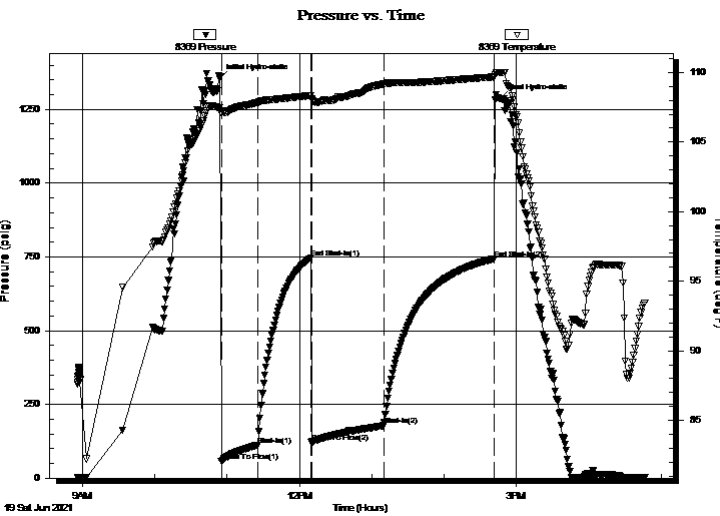
Last Calib.: 1899.12.30

Start Time: 08:56:01 End Time: 16:46:50

Time On Btm: 2021.06.19 @ 10:54:00

Time Off Btm: 2021.06.19 @ 14:46:00

**TEST COMMENT:** IF - Weak blow building to 10 inches during initial flow period.  
FF - Weak blow building to 6 inches during final flow period.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1353.24	107.48	Initial Hydro-static
2	56.16	107.05	Open To Flow (1)
32	112.42	107.84	Shut-In(1)
76	747.30	108.36	End Shut-In(1)
76	120.22	108.08	Open To Flow (2)
136	178.49	109.19	Shut-In(2)
228	743.11	109.68	End Shut-In(2)
232	1286.76	110.00	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Drilling mud 100% M	1.48
0.00	TS VSOSM Tr O & 100% M	0.00

## Gas Rates

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



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TESTING, INC**

# DRILL STEM TEST REPORT

Raney Oil Company, LLC

**12/34S/5E Cowley, KS**

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

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Reference Elevations: 1114.00 ft (KB)

Total Depth: 3059.00 ft (KB) (TVD)

1105.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8846 Inside**

Press@RunDepth: psig @ 2671.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.06.19 End Date: 2021.06.19

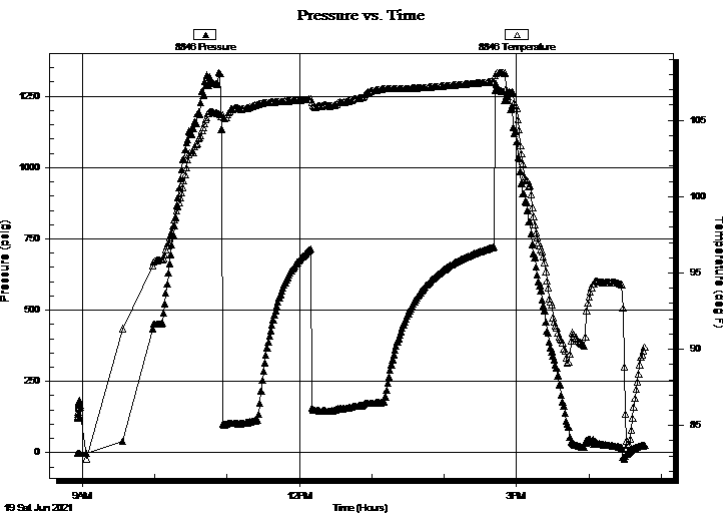
Last Calib.: 1899.12.30

Start Time: 08:56:01 End Time: 16:47:00

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF - Weak blow building to 10 inches during initial flow period.  
FF - Weak blow building to 6 inches during final flow period.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
300.00	Drilling mud 100% M	1.48
0.00	TS VSOSM 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

**12/34S/5E Cowley, KS**

4665 Bauer Brook Court  
Lawrence, Ks  
66049-9013

**Pond #1**

Job Ticket: 66740

**DST#: 1**

ATTN: Thomas Raney/ Roger

Test Start: 2021.06.19 @ 08:56:00

### 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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
300.00	Drilling mud 100% M	1.475
0.00	TS VSOSM Tr O & 100% M	0.000

Total Length: 300.00 ft      Total Volume: 1.475 bbl

Num Fluid Samples: 0

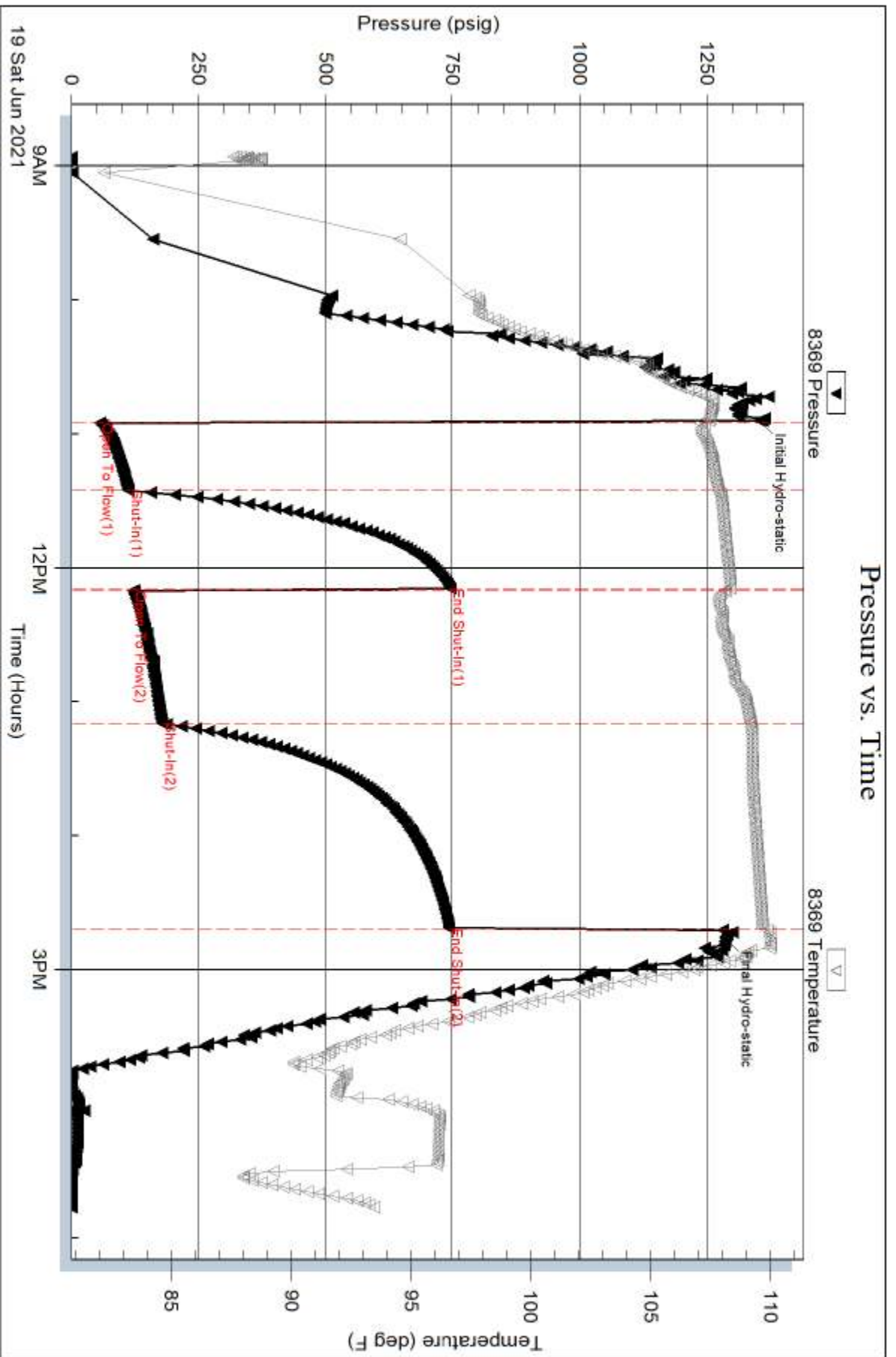
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



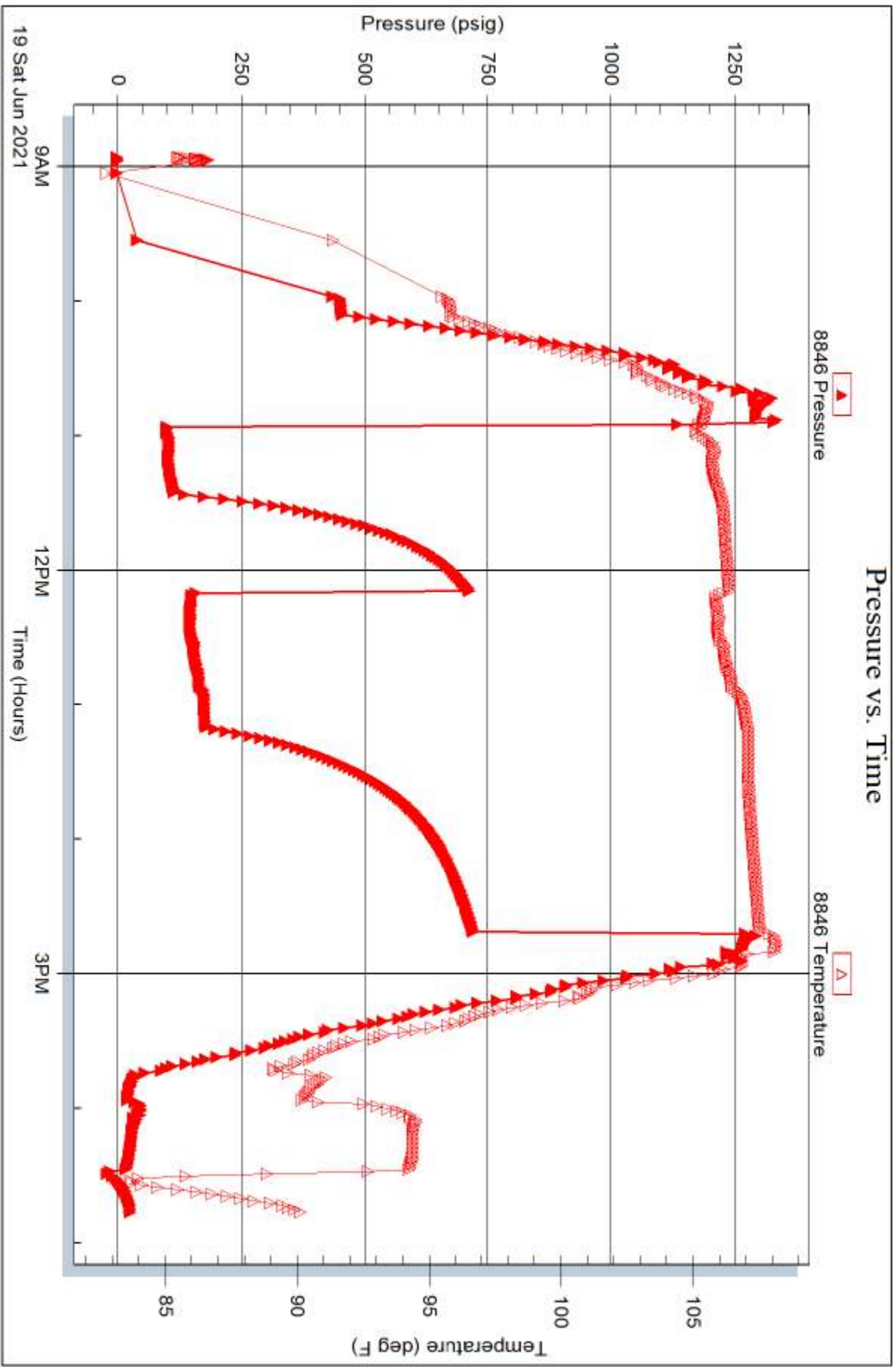
Serial #: 8846

Inside

Raney Oil Company, LLC

Pond #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 66740

Printed: 2021.06.19 @ 20:38:46