

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	Citadel Oil LLC
Well Name	RAMSEY 2-30
Doc ID	1638098

All Electric Logs Run

Dual Induction
Dual Comp Porosity
Microresistivity
Radial Bond Log with Gamma

Form	ACO1 - Well Completion
Operator	Citadel Oil LLC
Well Name	RAMSEY 2-30
Doc ID	1638098

Tops

Name	Top	Datum
Anhydrite	2221	+683
Heebner	3889	-985
Lansing	3927	-1023
Muncie Creek	4102	-1198
Stark Shale	4198	-1294
Middle Creek	4247	-1343
Pleasanton	4293	-1389
Ft. Scott	4455	-1551
Cherokee	4476	-1572
Miss	4546	-1642



CHARGE TO: *Citadel*

ADDRESS

CITY, STATE, ZIP CODE

TICKET 34396

PAGE 1 OF 1

1. SERVICE LOCATIONS <i>Ness City KS</i>	WELL/PROJECT NO. <i>2-30</i>	LEASE <i>Ramsey</i>	COUNTY/PARISH <i>Lane</i>	STATE <i>KS</i>	CITY	DATE <i>2-8-22</i>	OWNER
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <i>cheyenne</i>	RIG NAME/NO.	SHIPPED VIA <i>CT</i>	DELIVERED TO <i>location</i>	ORDER NO.	
3.	WELL TYPE <i>oil</i>	WELL CATEGORY <i>Development</i>	JOB PURPOSE <i>Port Collar</i>	WELL PERMIT NO.	WELL LOCATION <i>Dighton 10 W, 5 N, 1 1/2 W, Sinto</i>		
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS					

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		QTY.		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		U/M	U/M				
<i>575</i>		<i>1</i>			MILEAGE <i>Truck 1/2</i>	<i>50</i>	<i>mi</i>			<i>6.00</i>	<i>300.00</i>
<i>5760</i>		<i>1</i>			<i>Pump Charge (Port Collar)</i>	<i>1</i>	<i>Job</i>			<i>1500.00</i>	<i>1500.00</i>
<i>330</i>		<i>1</i>			<i>SMD CMT</i>	<i>200</i>	<i>SK</i>			<i>18.00</i>	<i>3600.00</i>
<i>276</i>		<i>1</i>			<i>Flocele</i>	<i>25</i>	<i>lb</i>			<i>3.00</i>	<i>225.00</i>
<i>290</i>		<i>1</i>			<i>DAir</i>	<i>3</i>	<i>gal</i>			<i>42.00</i>	<i>126.00</i>
<i>105</i>		<i>1</i>			<i>Port Collar tool Rental</i>	<i>1</i>	<i>Job</i>			<i>300.00</i>	<i>300.00</i>
<i>581</i>		<i>1</i>			<i>CMT Service Charge</i>	<i>325</i>	<i>SK</i>			<i>2.00</i>	<i>650.00</i>
<i>583</i>		<i>1</i>			<i>Drayage</i>	<i>32325</i>	<i>lbs</i>	<i>\$09.10</i>		<i>1.00</i>	<i>809.00</i>

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED *2-8-22* TIME SIGNED *17:00* A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<i>7509.00</i>
WE UNDERSTOOD AND MET YOUR NEEDS?				
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				<i>318 83</i>
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO				
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND				TOTAL

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR *Pronto Hume*

APPROVAL *[Signature]*

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 2-8-22	PAGE NO. 1
TICKET NO. 34396	

CUSTOMER Citadel		WELL NO. 2-30		LEASE Ramsey		JOB TYPE Perf Collar		TICKET NO. 34396	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
	14:30								DN location 2 3/8" #1/2" PC 2260'
	15:07				✓		1000		Test BS to 1000 psi (hold) - Release pressure
	15:05								Open PC
	15:10	3	4	✓		400			Injection Rate
	15:25								mix 200 SKS SMD CMT at 11/2
	15:55	3	7.5	✓		500			displace CMT
	16:10								Close PC
	16:15	0	0	✓		1000	1000		Pressure test to 1000 PSI (hold)
	16:20								Run 5 Joints
	16:30	3	25	✓		500			Reverse Clean
	16:45								Wash Truck #112
	17:00								Job Complete
									Thanks!
									Preston, Kirby, Wayne, John
									200SKS SMD CMT 15 SKS to pit



CHARGE TO: Citadel

ADDRESS

CITY, STATE, ZIP CODE

TICKET 34044

PAGE 1 OF 2

1. SERVICE LOCATIONS <u>Ness City, KS</u>	WELL/PROJECT NO. <u>2-30</u>	LEASE <u>Ramsay</u>	COUNTY/PARISH <u>LANE</u>	STATE <u>KS</u>	CITY	DATE <u>2-2-2022</u>	OWNER	
2.	TICKET TYPE <input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	CONTRACTOR <u>Southwind</u>	RIG NAME/NO.	SHIPPED VIA <u>CT</u>	DELIVERED TO <u>LOCATION</u>	ORDER NO.		
3.	WELL TYPE <u>Oil</u>	WELL CATEGORY <u>Development</u>	JOB PURPOSE <u>Long String 4 1/2"</u>	WELL PERMIT NO.	WELL LOCATION <u>Ang. W to Bison Rd.</u>			
4.	REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
<u>575</u>		<u>1</u>			MILEAGE <u>T-R #115</u>			<u>50</u>	<u>MI</u>	<u>6.00</u>	<u>300.00</u>
<u>578</u>		<u>1</u>			<u>Pump Charge - Long String</u>			<u>1</u>	<u>job</u>	<u>1,500.00</u>	<u>1,500.00</u>
<u>404</u>		<u>1</u>			<u>PORT COLLAR</u>	<u>4 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>2,400.00</u>	<u>2,400.00</u>
<u>403</u>		<u>1</u>			<u>CMT BASKETS</u>	<u>4 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>250.00</u>	<u>250.00</u>
<u>406</u>		<u>1</u>			<u>LATCH DOWN Plug + Baffle</u>	<u>4 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>225.00</u>	<u>225.00</u>
<u>407</u>		<u>1</u>			<u>INSERT FLOAT Shoe w/ Auto fill</u>	<u>4 1/2</u>	<u>IN</u>	<u>1</u>	<u>EA</u>	<u>300.00</u>	<u>300.00</u>
<u>409</u>		<u>1</u>			<u>Turbolizers</u>	<u>4 1/2</u>	<u>IN</u>	<u>14</u>	<u>EA</u>	<u>75.00</u>	<u>1,050.00</u>
<u>419</u>		<u>1</u>			<u>Rotating Head RENTAL</u>	<u>4 1/2</u>	<u>IN</u>	<u>1</u>	<u>job</u>	<u>250.00</u>	<u>250.00</u>

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MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.

X

DATE SIGNED 2/2/2022 TIME SIGNED 6:00 A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UNDECIDED	DISAGREE	PAGE TOTAL	<u>1</u>	<u>6,275.00</u>
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				<u>2</u>	<u>8,351.00</u>	
WE UNDERSTOOD AND MET YOUR NEEDS?				Total	<u>14,626.00</u>	
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				<u>Kane</u>	<u>878.70</u>	
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				TOTAL	<u>15504.70</u>	
ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR Gideon Tuchs APPROVAL Kyle Kane

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 34044

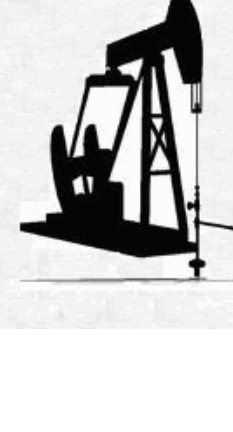
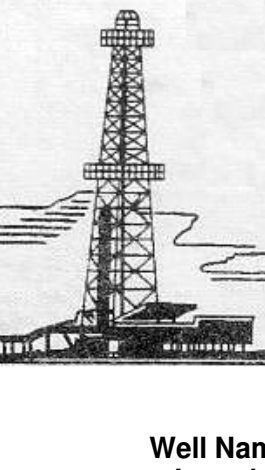
CUSTOMER Citadel
WELL Ramsey #2-30
DATE 2-2-2020
PAGE 2 OF 9

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE		AMOUNT		
		LOC	ACCT	DF			QTY	U/M	QTY	U/M					
325		1				STANDARD CEMENT	225	SKS			14	50	3262	50	
284		1				Calseal	11	SKS			40	00	440	00	
283		1				SALT	1200	lbs			0	25	300	00	
292		1				Halad-322	150	lbs			8	90	1275	00	
277		1				GILSONITE	750	lbs			1	25	937	00	
276		1				Floccle	50	lbs			3	00	150	00	
281		1				Mud Flush	500	gal			1	50	750	00	
221		1				Liquid KCL	2	gal			25	00	50	00	
290		1				D-AIR	3	gal			42	00	126	00	
581		1				SERVICE CHARGE					2	00	450	00	
583		1				MILEAGE CHARGE					1	00	610	00	
						TOTAL WEIGHT	24,400		LOADED MILES		50				
						CUBIC FEET	225				2		450		
						TON MILES	610				1		610		
											CONTINUATION TOTAL		8351		00

WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG
CONSULTANT GEOLOGIST

Scale 1:240 (5"=100') Imperial



Well Name: **RAMSEY #2-30**
 Location: **NE SE NE NW SEC 30-17S-30W**
 Licence Number: **API: 15-101-22666**
 Spud Date: **January 22, 2022**
 Surface Coordinates: **808' FNL & 2685' FEL (irregular section east/west)**

Region: **Lane Co., KS**
 Drilling Completed: **February 1, 2022**

Bottom Hole Coordinates:
 Ground Elevation (ft): **2894'**
 Logged Interval (ft): **3600'**
 Formation: **Mississippi**
 Type of Drilling Fluid: **Chemical Premix (Displaced)**

K.B. Elevation (ft): **2904'**
 To: **RTD** Total Depth (ft): **4560'**
 Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR:

Company: **CITADEL OIL, LLC**
 Address: **PO Box 1410
 Edmond, OK 73083-1410**

DRILLING CONTRACTOR:

Southwind Drilling Co., Rig #8

DP 4.5" XH (16.6#); DC 512.69', 6-1/4" x 2-3/8", Kelly 40.00', Tool Joint 5.5" ; Uphole Bit: PDC JZ-PL516, Downhole Bit: JZ HA33X, 7-7/8", standard jets 15s; rpm 80, WOB 35k; Kelly Bushing 10' above ground level; Doug Roberts (tool pusher).

CASING:

Ran 6 joints of new 23#, 8 5/8" casing, tally @ 256', set @ 268'

Ran 107 joints of new 11.6#, 4 1/2" casing, tally @ 4527', set @ 4527'; port collar set @ 2255'

CIRCULATION SYSTEM:

Continental EMSCO D-350, duplex, 6 x 14, 58 spm, Chemical, premix, earth pits, MudCo/Service Mud, Inc., Reid Atkins.

GAS DETECTION SYSTEM:

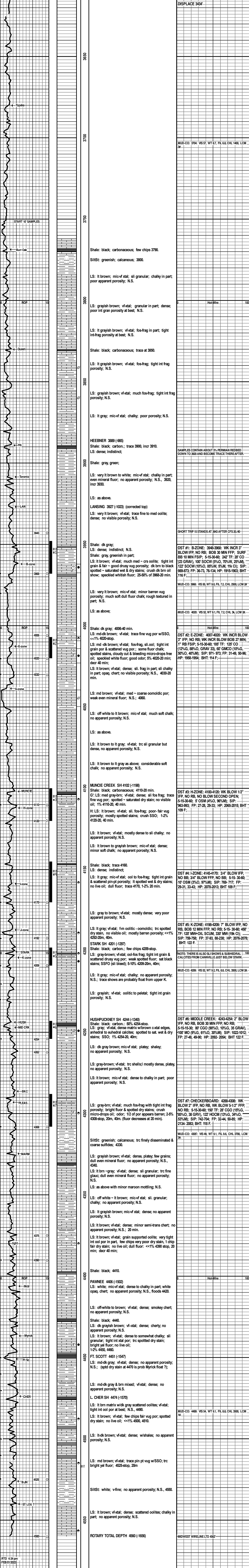
None.

DRILL STEM TESTS:

Trilobite Testing, Inc., Scott City, KS, Martine Salinas.

OPEN HOLE LOGS:

DN, DI (SP), ML, Single Run, No Sonic, 5" detail LTD-3600; 2" DI to surface casing; Midwest Wireline, Hays, KS, Dan Schmidt.





DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.27 @ 02:50:00

End Date: 2022.01.27 @ 10:37:30

Job Ticket #: 68030 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:45:00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68030

DST#: 1

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 02:50:00

GENERAL INFORMATION:

Formation: **Lansing " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:21:00

Time Test Ended: 10:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Interval: 3948.00 ft (KB) To 3968.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 3968.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 133.51 psig @ 3949.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.27 End Date: 2022.01.27

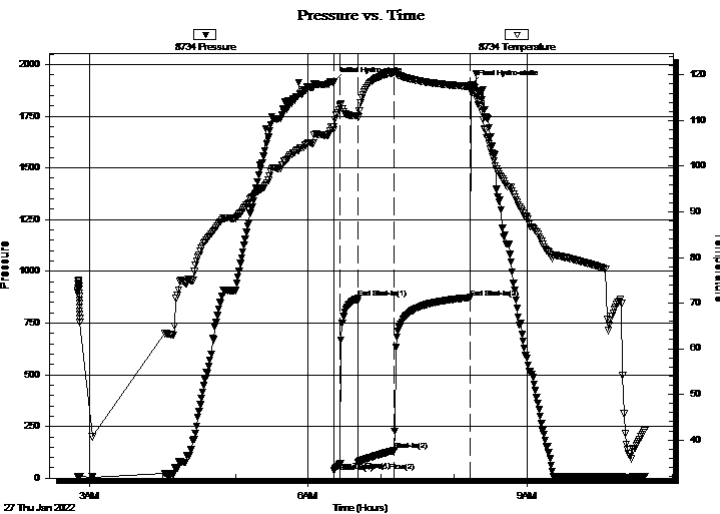
Last Calib.: 2022.01.27

Start Time: 02:50:01 End Time: 10:37:30

Time On Btm: 2022.01.27 @ 06:20:40

Time Off Btm: 2022.01.27 @ 08:14:09

TEST COMMENT: 5-IF-Blow built to 3"
15-ISI-No return
30-FF-Blow built to B.O.B (11 inches) @ 30 mins
60-FSI-Return blow @ 10 mins built to 1/4"dead @ 44 mins



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.04	108.61	Initial Hydro-static
1	36.09	108.07	Open To Flow (1)
6	72.51	113.52	Shut-In(1)
21	869.16	111.08	End Shut-In(1)
21	76.24	110.72	Open To Flow (2)
51	133.51	120.48	Shut-In(2)
113	873.36	117.46	End Shut-In(2)
114	1902.71	116.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	SMOCW 5%M, 10%O, 85%W	0.60
100.00	SOMCW 5%O, 25%M, 70%W	1.40
20.00	100% CO	0.28

Gas Rates

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



DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68030

DST#: 1

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 02:50:00

GENERAL INFORMATION:

Formation: **Lansing " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:21:00

Time Test Ended: 10:37:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Martine Salinas

Unit No: 81

Interval: 3948.00 ft (KB) To 3968.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 3968.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 3949.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.27 End Date: 2022.01.27

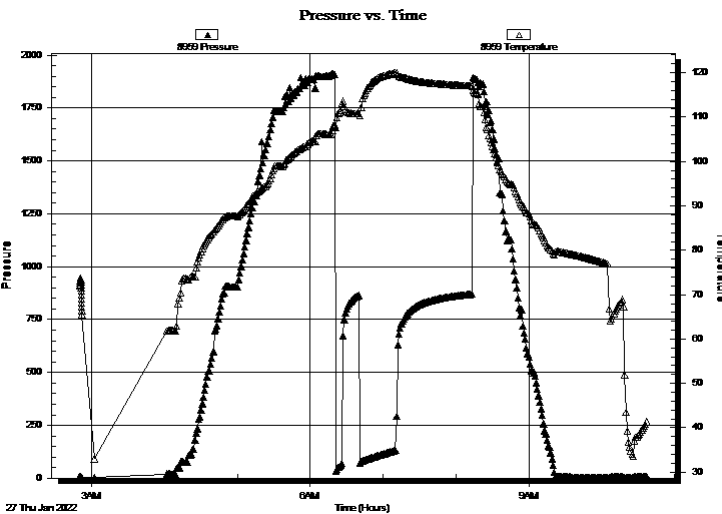
Last Calib.: 2022.01.27

Start Time: 02:50:01 End Time: 10:37:30

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-Blow built to 3"
15-ISI-No return
30-FF-Blow built to B.O.B (11 inches) @ 30 mins
60-FSI-Return blow @ 10 mins built to 1/4"dead @ 44 mins



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
122.00	SMOCW 5%M, 10%O, 85%W	0.60
100.00	SOMCW 5%O, 25%M, 70%W	1.40
20.00	100% CO	0.28

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68030

DST#: 1

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 02:50:00

Tool Information

Drill Pipe:	Length: 3806.00 ft	Diameter: 3.80 inches	Volume: 53.39 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 53.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3948.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3916.00	
Shut In Tool	5.00			3921.00	
Hydraulic tool	5.00	1113		3926.00	
Jars	5.00	01-07		3931.00	
EM Tool	5.00			3936.00	
Safety Joint	3.00	-001		3939.00	
Packer	5.00			3944.00	33.00 Bottom Of Top Packer
Packer	4.00			3948.00	
Stubb	1.00			3949.00	
Recorder	0.00	8959	Inside	3949.00	
Recorder	0.00	8734	Outside	3949.00	
Perforations	14.00			3963.00	
Bullnose	5.00			3968.00	20.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68030

DST#: 1

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 02:50:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

23 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

11000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	SMOCW 5%M, 10%O, 85%W	0.600
100.00	SOMCW 5%O, 25%M, 70%W	1.403
20.00	100% CO	0.281

Total Length: 242.00 ft Total Volume: 2.284 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

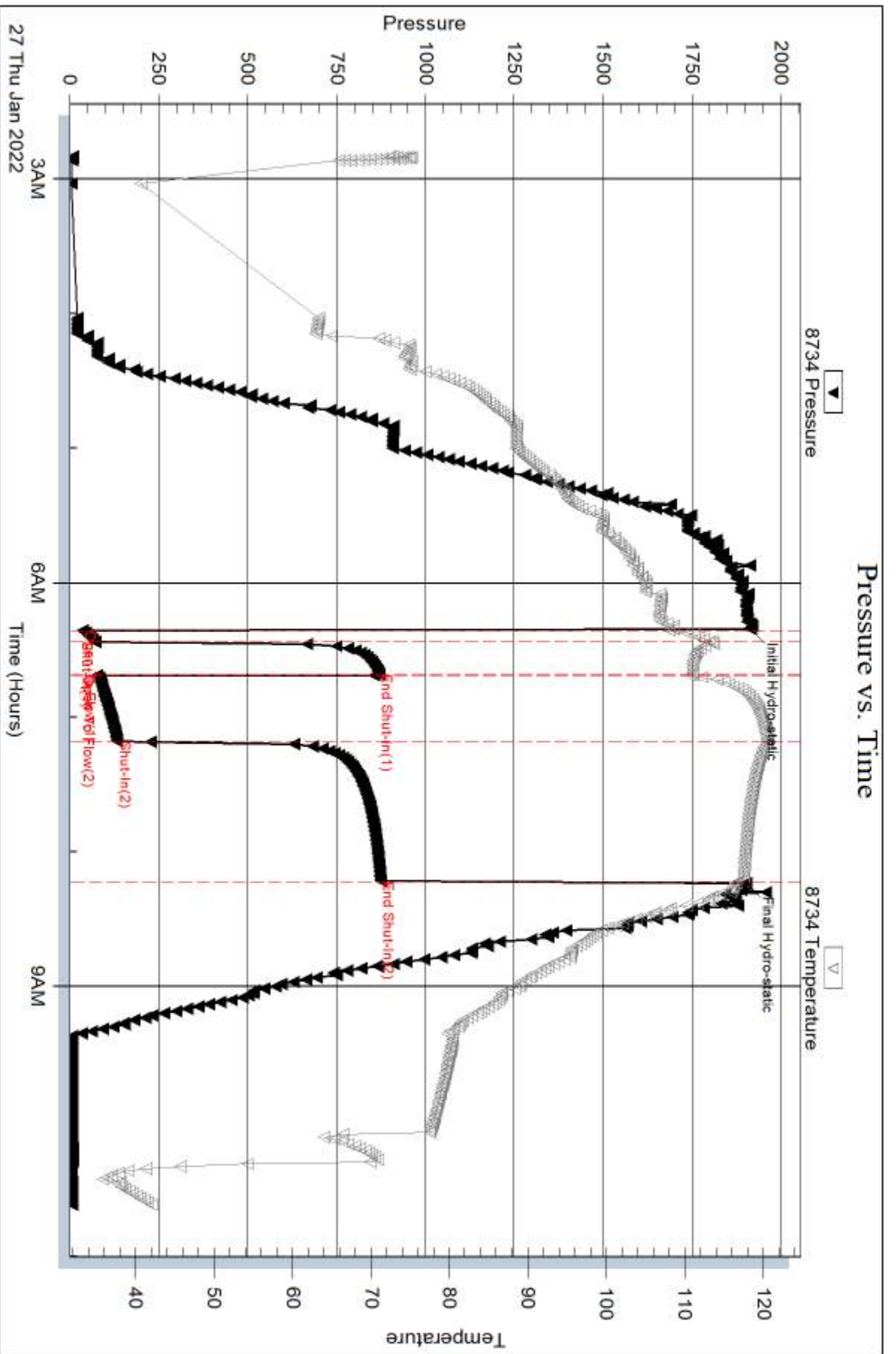
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 22.8 @ 58 degs corrected to 23 @ 60 degs

RW = .75 @ 54 degs = 11,000 PPM



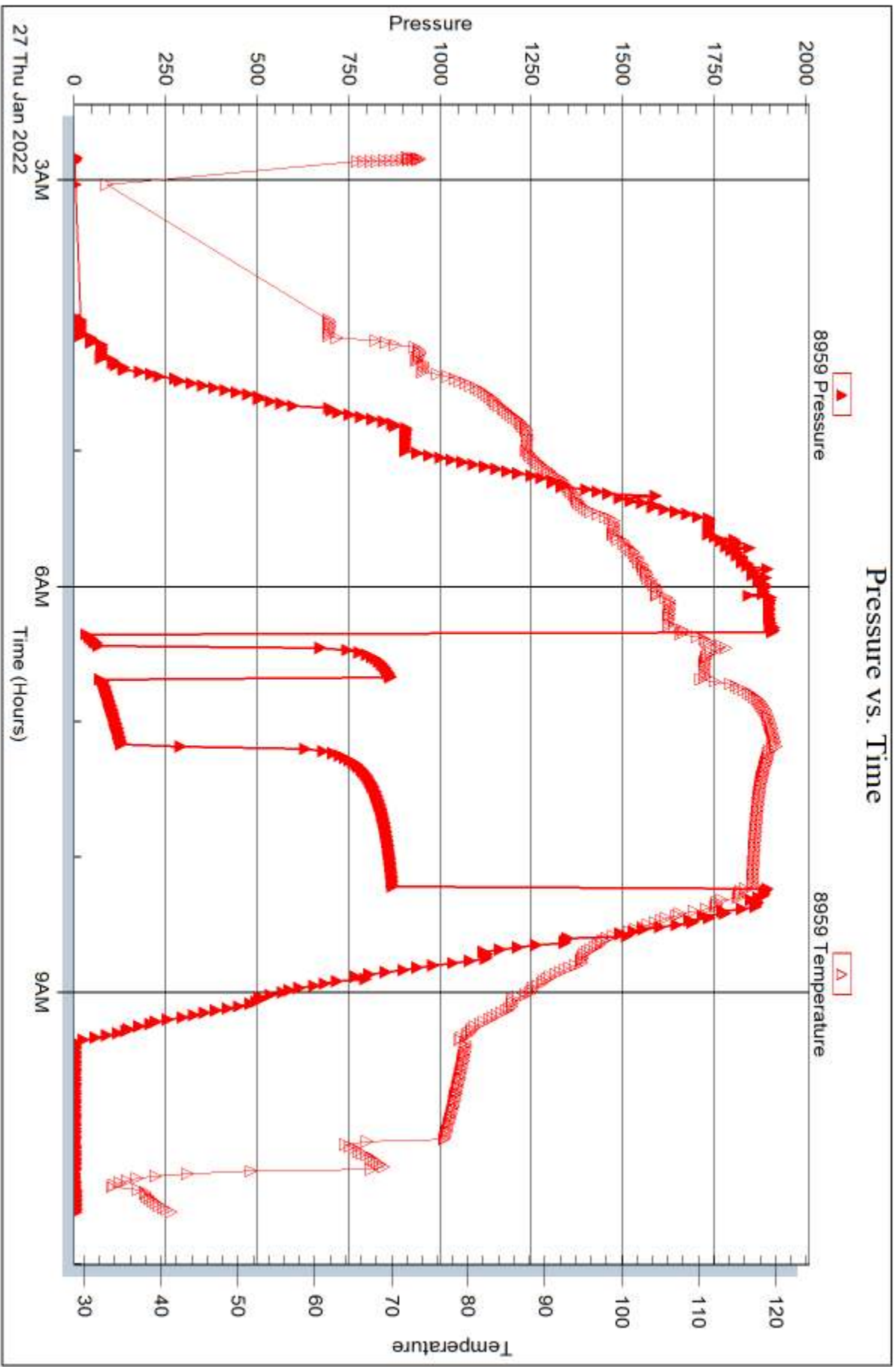
Serial #: 8959

Inside

Citadel Oil LLC

Ramsey #2-30

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.27 @ 20:10:00

End Date: 2022.01.28 @ 03:14:30

Job Ticket #: 68031 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:44:34



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68031

DST#: 2

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 20:10:00

GENERAL INFORMATION:

Formation: **Lansing " E "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:32:50

Time Test Ended: 03:14:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: **4007.00 ft (KB) To 4020.00 ft (KB) (TVD)**

Total Depth: 3968.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2904.00 ft (KB)

2896.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 96.35 psig @ 4008.00 ft (KB)

Start Date: 2022.01.27

End Date:

2022.01.28

Start Time: 20:10:01

End Time:

03:14:30

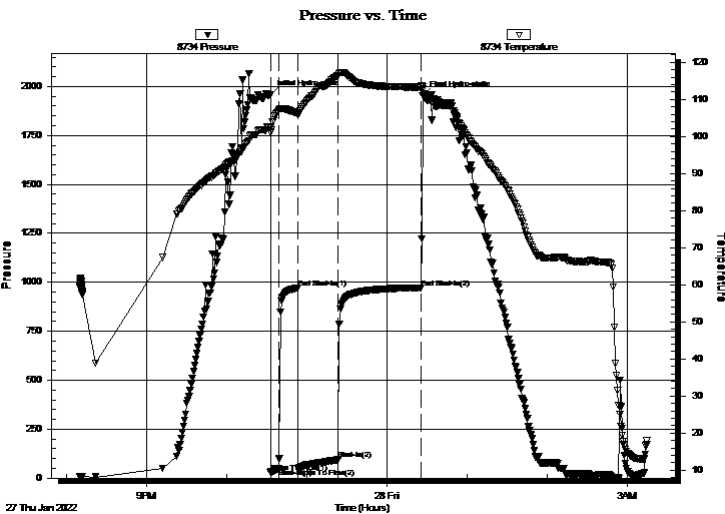
Capacity: 8000.00 psig

Last Calib.: 2022.01.28

Time On Btm: 2022.01.27 @ 22:32:40

Time Off Btm: 2022.01.28 @ 00:26:39

TEST COMMENT: 5-IF-S.blow built to 3"
15-ISI-No return
30-FF-blow built to B.O.B (11 inches) @ 27 mins(blow increased to 12 1/2")
60-FSI-Return blow built to 1"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1957.72	102.33	Initial Hydro-static
1	30.61	101.19	Open To Flow (1)
7	49.19	107.03	Shut-In(1)
21	970.76	106.26	End Shut-In(1)
21	50.17	105.92	Open To Flow (2)
51	96.35	116.49	Shut-In(2)
113	972.75	113.32	End Shut-In(2)
114	1954.42	113.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	GHMCO 10%G, 40%M, 50%O	0.30
125.00	CGO 12%G, 88%O	1.19

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68031

DST#: 2

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 20:10:00

Tool Information

Drill Pipe:	Length: 3870.00 ft	Diameter: 3.80 inches	Volume: 54.29 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 54.89 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4007.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	13.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3975.00	
Shut In Tool	5.00			3980.00	
Hydraulic tool	5.00	1113		3985.00	
Jars	5.00	01-07		3990.00	
EM Tool	5.00			3995.00	
Safety Joint	3.00	-001		3998.00	
Packer	5.00			4003.00	33.00 Bottom Of Top Packer
Packer	4.00			4007.00	
Packer - Shale	0.00			4007.00	
Stubb	1.00			4008.00	
Recorder	0.00	8959	Inside	4008.00	
Recorder	0.00	8734	Outside	4008.00	
Perforations	7.00			4015.00	
Bullnose	5.00			4020.00	13.00 Bottom Packers & Anchor

Total Tool Length: 46.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68031

DST#: 2

ATTN: Vern Schrag

Test Start: 2022.01.27 @ 20:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	GHMCO 10%G, 40%M, 50%O	0.295
125.00	CGO 12%G, 88%O	1.189

Total Length: 185.00 ft Total Volume: 1.484 bbl

Num Fluid Samples: 0

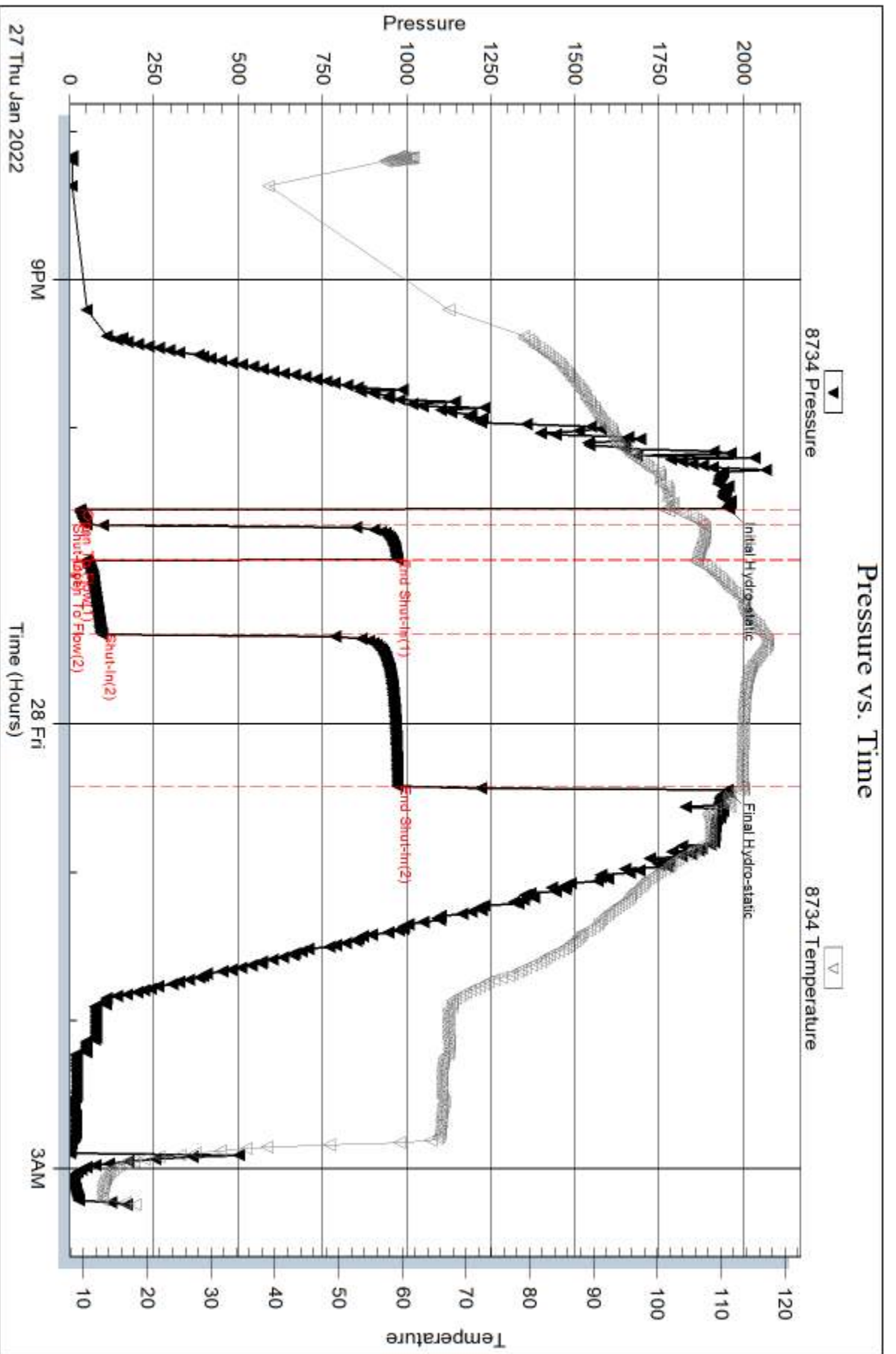
Num Gas Bombs: 0

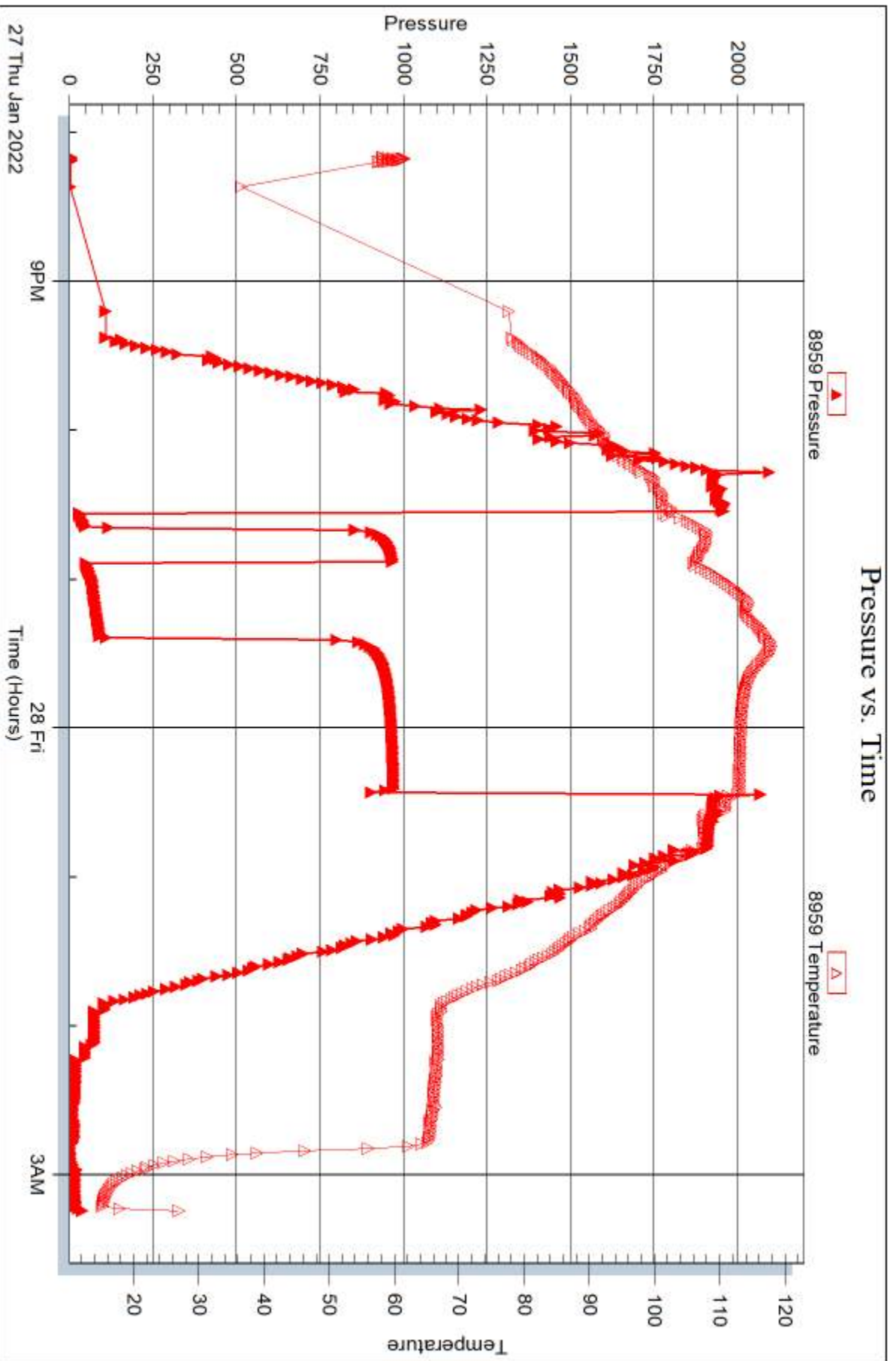
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 31.8 @ 48 degs corrected to 33 @ 60 degs







DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.28 @ 18:30:00

End Date: 2022.01.29 @ 00:58:00

Job Ticket #: 68032 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:39:54



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68032

DST#: 3

ATTN: Vern Schrag

Test Start: 2022.01.28 @ 18:30:00

GENERAL INFORMATION:

Formation: **Lansing " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:42:50

Time Test Ended: 00:58:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4100.00 ft (KB) To 4120.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 3120.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 33.17 psig @ 4101.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.28

End Date:

2022.01.29

Last Calib.:

2022.01.29

Start Time: 18:30:01

End Time:

00:58:00

Time On Btm:

2022.01.28 @ 20:42:40

Time Off Btm:

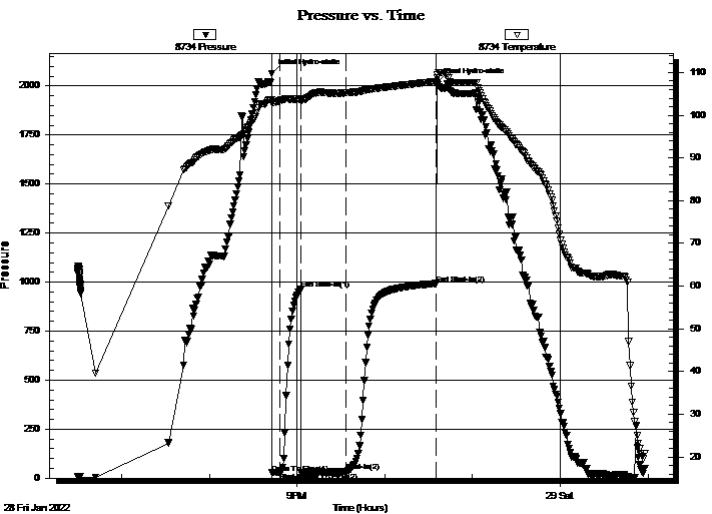
2022.01.28 @ 22:35:40

TEST COMMENT: 5-IF-S.blow built to 1/2"

15-ISI-No return

30-FF-No blow

60-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2064.64	103.68	Initial Hydro-static
1	26.85	102.95	Open To Flow (1)
6	28.29	103.43	Shut-In(1)
20	963.13	103.82	End Shut-In(1)
21	28.77	103.30	Open To Flow (2)
51	33.17	105.24	Shut-In(2)
113	992.50	107.90	End Shut-In(2)
113	2014.75	108.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 4%O, 96%M	0.02

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane, KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

ATTN: Vern Schrag

Job Ticket: 68032 DST#: 3
Test Start: 2022.01.28 @ 18:30:00

GENERAL INFORMATION:

Formation: **Lansing " H "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:42:50

Time Test Ended: 00:58:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: **4100.00 ft (KB) To 4120.00 ft (KB) (TVD)**

Reference Elevations: 2904.00 ft (KB)

Total Depth: 3120.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8959

Inside

Press@RunDepth: psig @ 4101.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.28 End Date: 2022.01.29

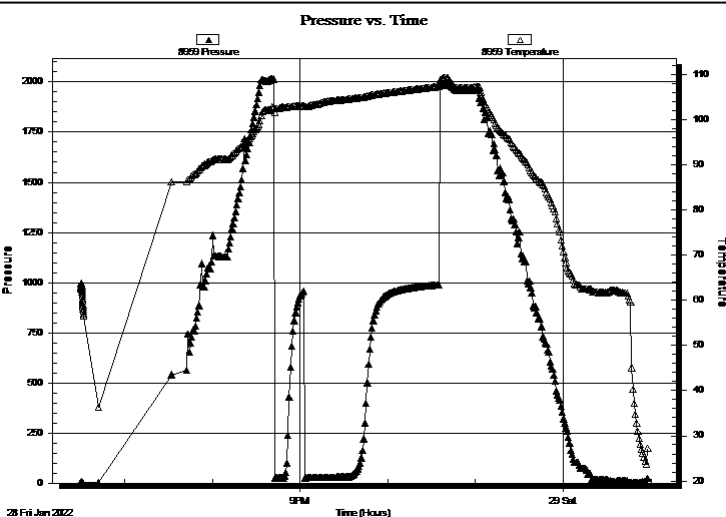
Last Calib.: 2022.01.29

Start Time: 18:30:01 End Time: 00:57:50

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-S.blow built to 1/2"
15-ISI-No return
30-FF-No blow
60-FSI-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM 4%O, 96%M	0.02

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68032

DST#: 3

ATTN: Vern Schrag

Test Start: 2022.01.28 @ 18:30:00

Tool Information

Drill Pipe:	Length: 3965.00 ft	Diameter: 3.80 inches	Volume: 55.62 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 56.22 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	4100.00 ft			Final	55000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	53.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4068.00	
Shut In Tool	5.00			4073.00	
Hydraulic tool	5.00	1113		4078.00	
Jars	5.00	01-07		4083.00	
EM Tool	5.00			4088.00	
Safety Joint	3.00	-001		4091.00	
Packer	5.00			4096.00	33.00 Bottom Of Top Packer
Packer	4.00			4100.00	
Stubb	1.00			4101.00	
Recorder	0.00	8959	Inside	4101.00	
Recorder	0.00	8734	Outside	4101.00	
Perforations	14.00			4115.00	
Bullnose	5.00			4120.00	20.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68032

DST#: 3

ATTN: Vern Schrag

Test Start: 2022.01.28 @ 18:30:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	OSM 4%O, 96%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

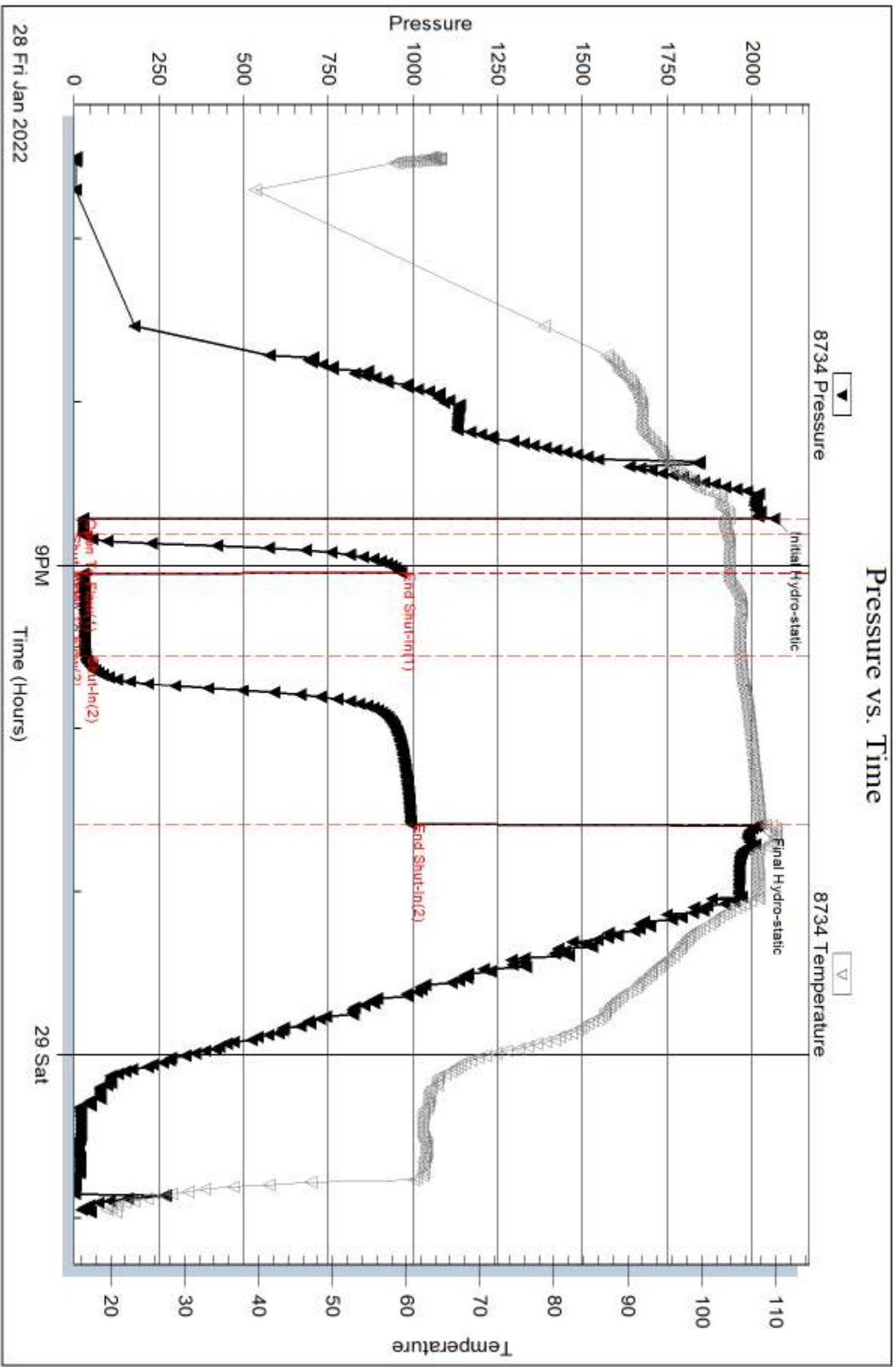
Recovery Comments:

Serial #: 8734

Outside Citadel Oil LLC

Ramsey #2-30

DST Test Number: 3



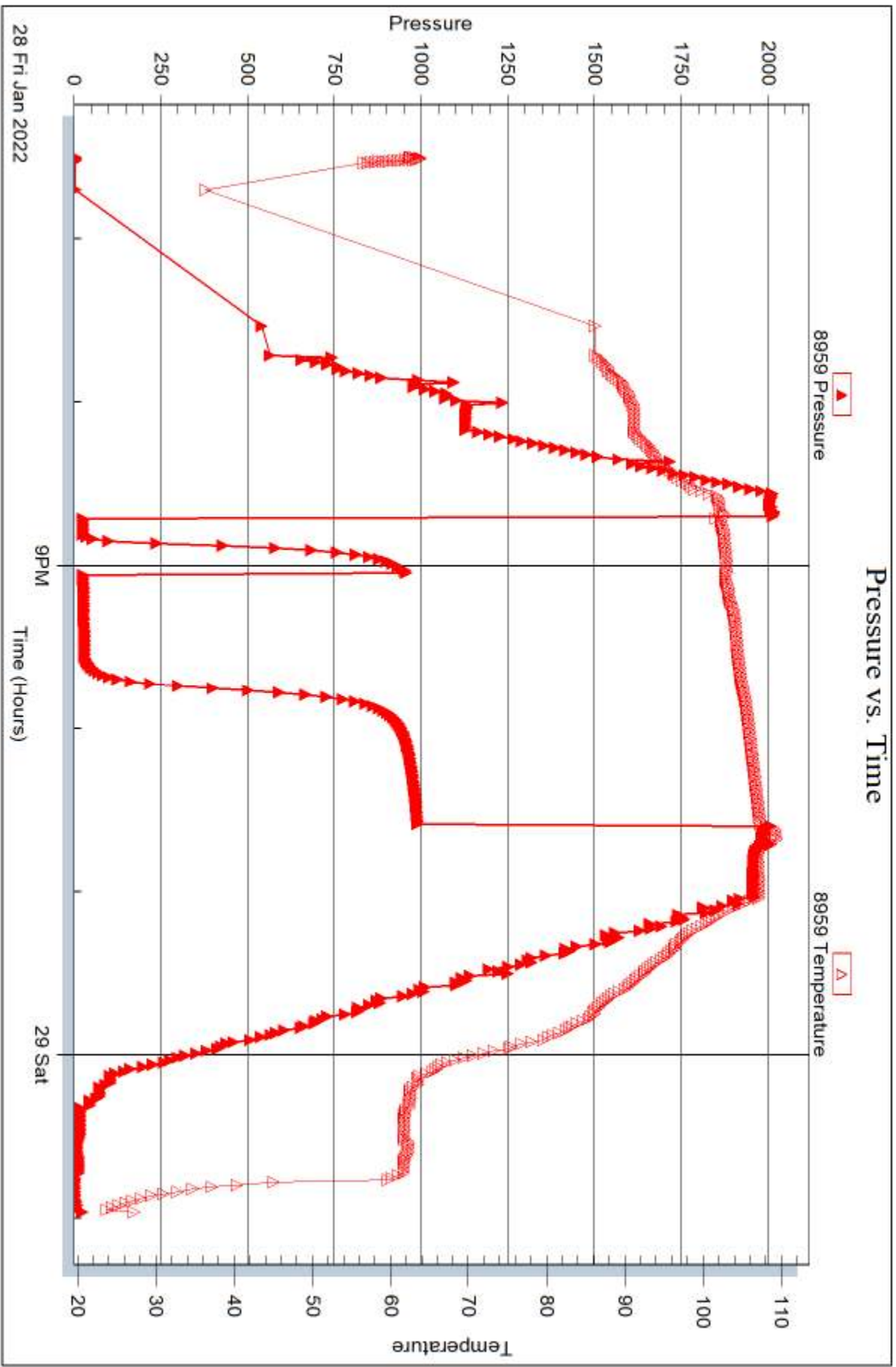
Serial #: 8959

Inside

Citadel Oil LLC

Ramsey #2-30

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68032

Printed: 2022.02.03 @ 11:39:55



DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.29 @ 10:50:00

End Date: 2022.01.29 @ 16:27:00

Job Ticket #: 68033 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:38:15



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68033

DST#: 4

ATTN: Vern Schrag

Test Start: 2022.01.29 @ 10:50:00

GENERAL INFORMATION:

Formation: **" I " Zone**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:28:10

Time Test Ended: 16:27:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4145.00 ft (KB) To 4170.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 4170.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 42.69 psig @ 4146.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.29 End Date: 2022.01.29

Last Calib.: 2022.01.29

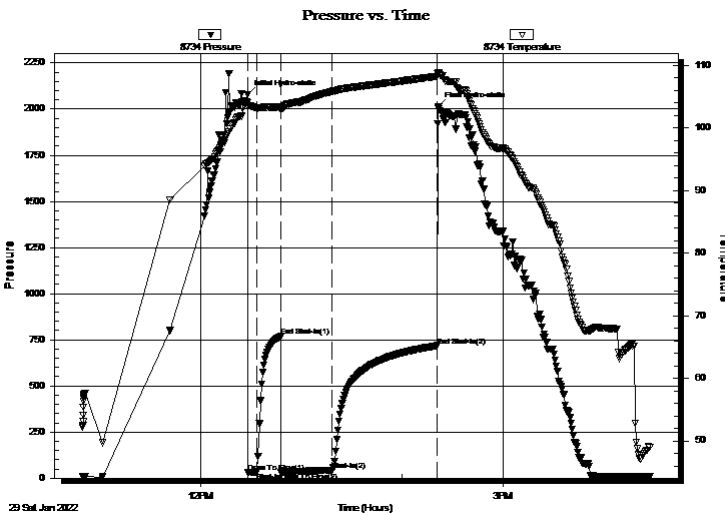
Start Time: 10:50:01 End Time: 16:27:00

Time On Btm: 2022.01.29 @ 12:28:00

Time Off Btm: 2022.01.29 @ 14:21:30

TEST COMMENT: 5-IF-S.blow built to 3/4"
15-ISI-No return
30-FF-S.blow built to 3/4"
60-FSI-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2077.91	104.08	Initial Hydro-static
1	28.92	103.30	Open To Flow (1)
6	30.87	103.15	Shut-In(1)
20	768.63	103.38	End Shut-In(1)
20	32.64	102.92	Open To Flow (2)
51	42.69	105.83	Shut-In(2)
113	717.47	108.23	End Shut-In(2)
114	2012.70	108.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 3%O, 97%M	0.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68033

DST#: 4

ATTN: Vern Schrag

Test Start: 2022.01.29 @ 10:50:00

Tool Information

Drill Pipe:	Length: 3997.00 ft	Diameter: 3.80 inches	Volume: 56.07 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 56.67 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	57000.00 lb
Depth to Top Packer:	4145.00 ft			Final	57000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	25.00 ft				
Tool Length:	58.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4113.00	
Shut In Tool	5.00			4118.00	
Hydraulic tool	5.00	1113		4123.00	
Jars	5.00	01-07		4128.00	
EM Tool	5.00			4133.00	
Safety Joint	3.00	-001		4136.00	
Packer	5.00			4141.00	33.00 Bottom Of Top Packer
Packer	4.00			4145.00	
Stubb	1.00			4146.00	
Recorder	0.00	8959	Inside	4146.00	
Recorder	0.00	8734	Outside	4146.00	
Perforations	19.00			4165.00	
Bullnose	5.00			4170.00	25.00 Bottom Packers & Anchor

Total Tool Length: 58.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68033

DST#: 4

ATTN: Vern Schrag

Test Start: 2022.01.29 @ 10:50:00

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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OSM 3%O, 97%M	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

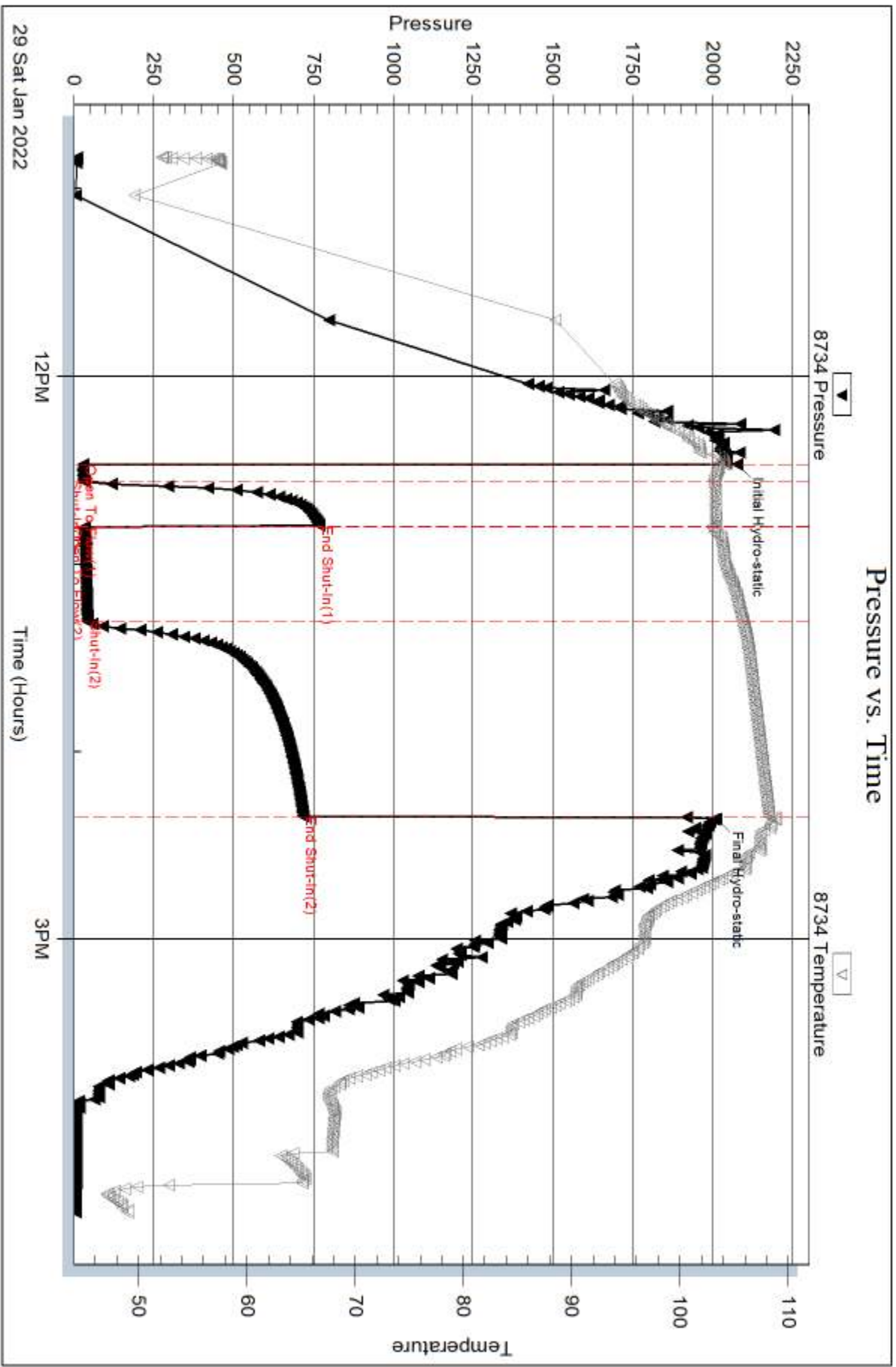
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



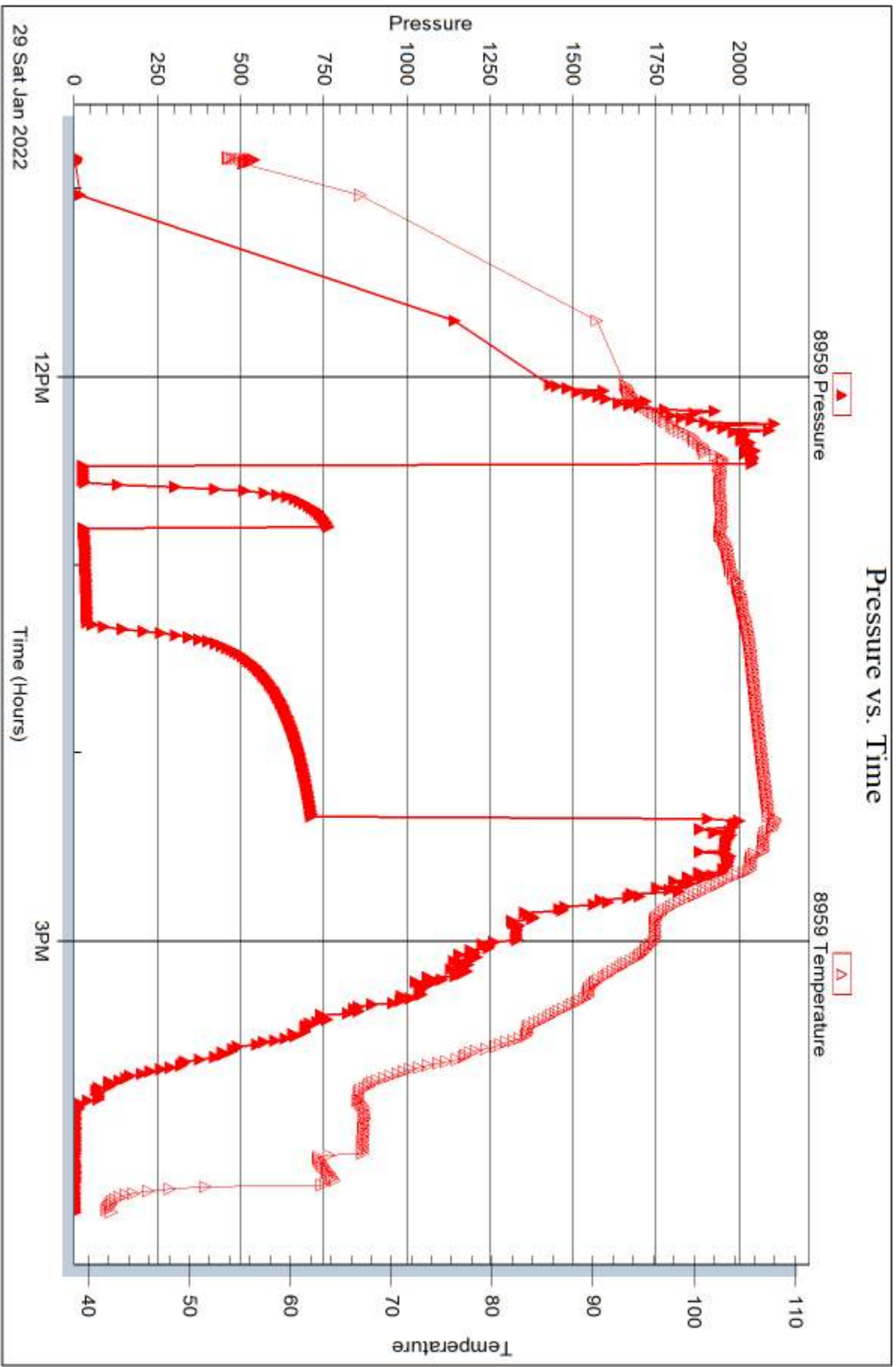
Serial #: 8959

Inside

Citadel Oil LLC

Ramsey #2-30

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 68033

Printed: 2022.02.03 @ 11:38:18



DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.30 @ 03:33:00

End Date: 2022.01.30 @ 09:42:30

Job Ticket #: 68034 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:37:46



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68034

DST#: 5

ATTN: Vern Schrag

Test Start: 2022.01.30 @ 03:33:00

GENERAL INFORMATION:

Formation: **LKC " K "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:33:50

Time Test Ended: 09:42:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4198.00 ft (KB) To 4209.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 4209.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 237.75 psig @ 4199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.30 End Date: 2022.01.30

Last Calib.: 2022.01.30

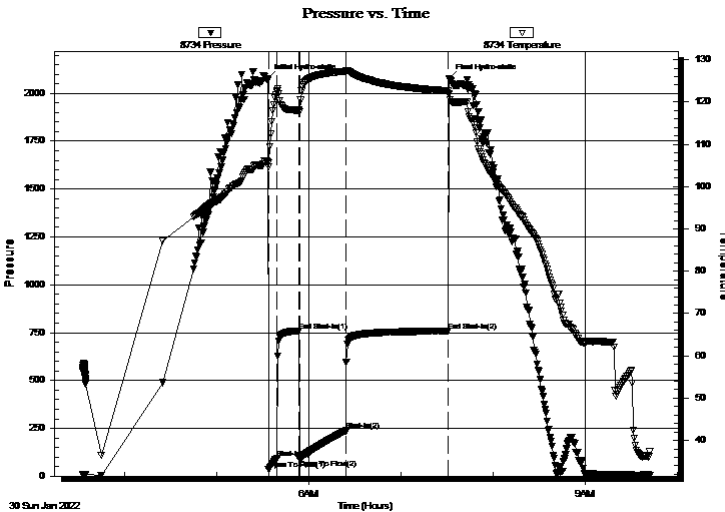
Start Time: 03:33:01 End Time: 09:42:30

Time On Btm: 2022.01.30 @ 05:33:40

Time Off Btm: 2022.01.30 @ 07:31:30

TEST COMMENT: 5-IF-Blow built to 7"
15-ISI-No return
30-FF-B.O.B (11 inches) @ 12 mins (blow increased to 29")
60-FSI-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2075.64	105.94	Initial Hydro-static
1	37.06	104.69	Open To Flow (1)
6	92.69	122.75	Shut-In(1)
21	758.77	118.10	End Shut-In(1)
21	87.71	117.68	Open To Flow (2)
51	237.75	127.28	Shut-In(2)
117	758.04	122.61	End Shut-In(2)
118	2078.16	121.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
330.00	MSW 2%M, 98%W	3.52
120.00	MCW w/Oil scum 25%M, 75%W	1.68

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Citadel Oil LLC
PO Box 1410
Edmond, OK 73083
ATTN: Vern Schrag

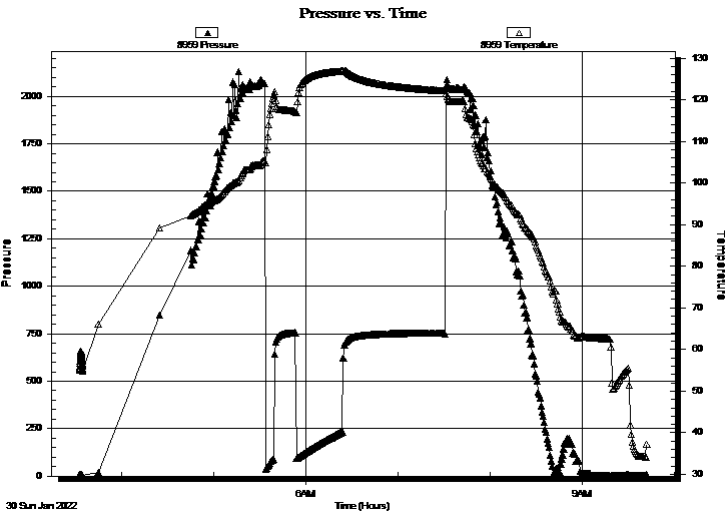
30-17S.-30W Lane,KS
Ramsey #2-30
Job Ticket: 68034 **DST#: 5**
Test Start: 2022.01.30 @ 03:33:00

GENERAL INFORMATION:

Formation: **LKC " K "**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 05:33:50 Tester: Martine Salinas
Time Test Ended: 09:42:30 Unit No: 81
Interval: 4198.00 ft (KB) To 4209.00 ft (KB) (TVD) Reference Elevations: 2904.00 ft (KB)
Total Depth: 4209.00 ft (KB) (TVD) 2896.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Good KB to GR/CF: 8.00 ft

Serial #: 8959 Inside
Press@RunDepth: psig @ 4199.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2022.01.30 End Date: 2022.01.30 Last Calib.: 2022.01.30
Start Time: 03:33:01 End Time: 09:42:30 Time On Btm:
Time Off Btm:

TEST COMMENT: 5-IF-Blow built to 7"
15-ISI-No return
30-FF-B.O.B (11 inches) @ 12 mins (blow increased to 29")
60-FSI-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
330.00	MSW 2%M, 98%W	3.52
120.00	MCW w/Oil scum 25%M, 75%W	1.68

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68034

DST#: 5

ATTN: Vern Schrag

Test Start: 2022.01.30 @ 03:33:00

Tool Information

Drill Pipe:	Length: 4061.00 ft	Diameter: 3.80 inches	Volume: 56.97 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 57.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4198.00 ft			Final 57000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4166.00	
Shut In Tool	5.00			4171.00	
Hydraulic tool	5.00	1113		4176.00	
Jars	5.00	01-07		4181.00	
EM Tool	5.00			4186.00	
Safety Joint	3.00	-001		4189.00	
Packer	5.00			4194.00	33.00 Bottom Of Top Packer
Packer	4.00			4198.00	
Stubb	1.00			4199.00	
Recorder	0.00	8959	Inside	4199.00	
Recorder	0.00	8734	Outside	4199.00	
Perforations	5.00			4204.00	
Bullnose	5.00			4209.00	11.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68034

DST#: 5

ATTN: Vern Schrag

Test Start: 2022.01.30 @ 03:33:00

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:

19000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.76 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
330.00	MSW 2%M, 98%W	3.518
120.00	MCW w/Oil scum 25%M, 75%W	1.683

Total Length: 450.00 ft Total Volume: 5.201 bbl

Num Fluid Samples: 0

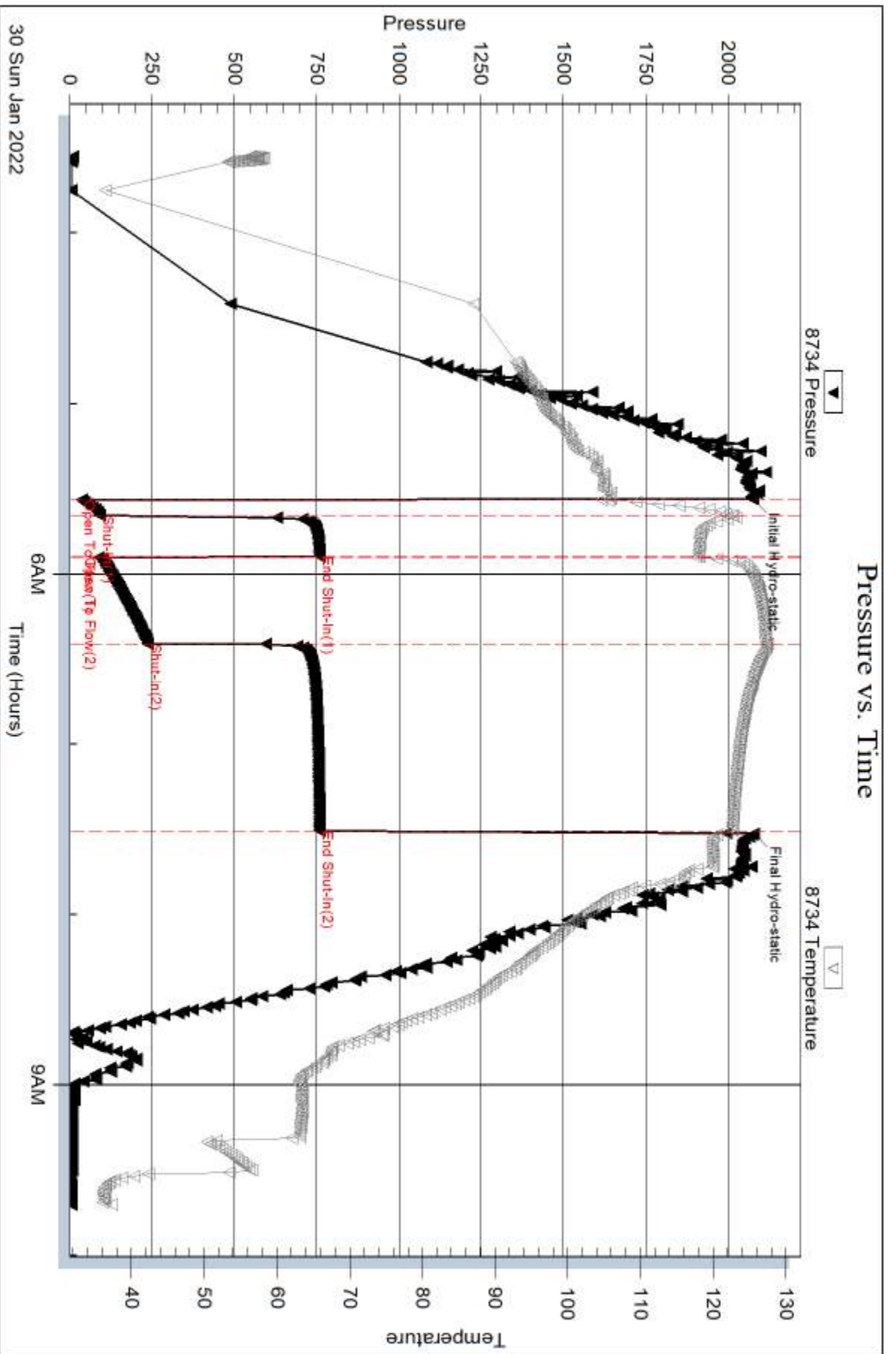
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW = .49 @ 51.0 degs = 19,000 PPM



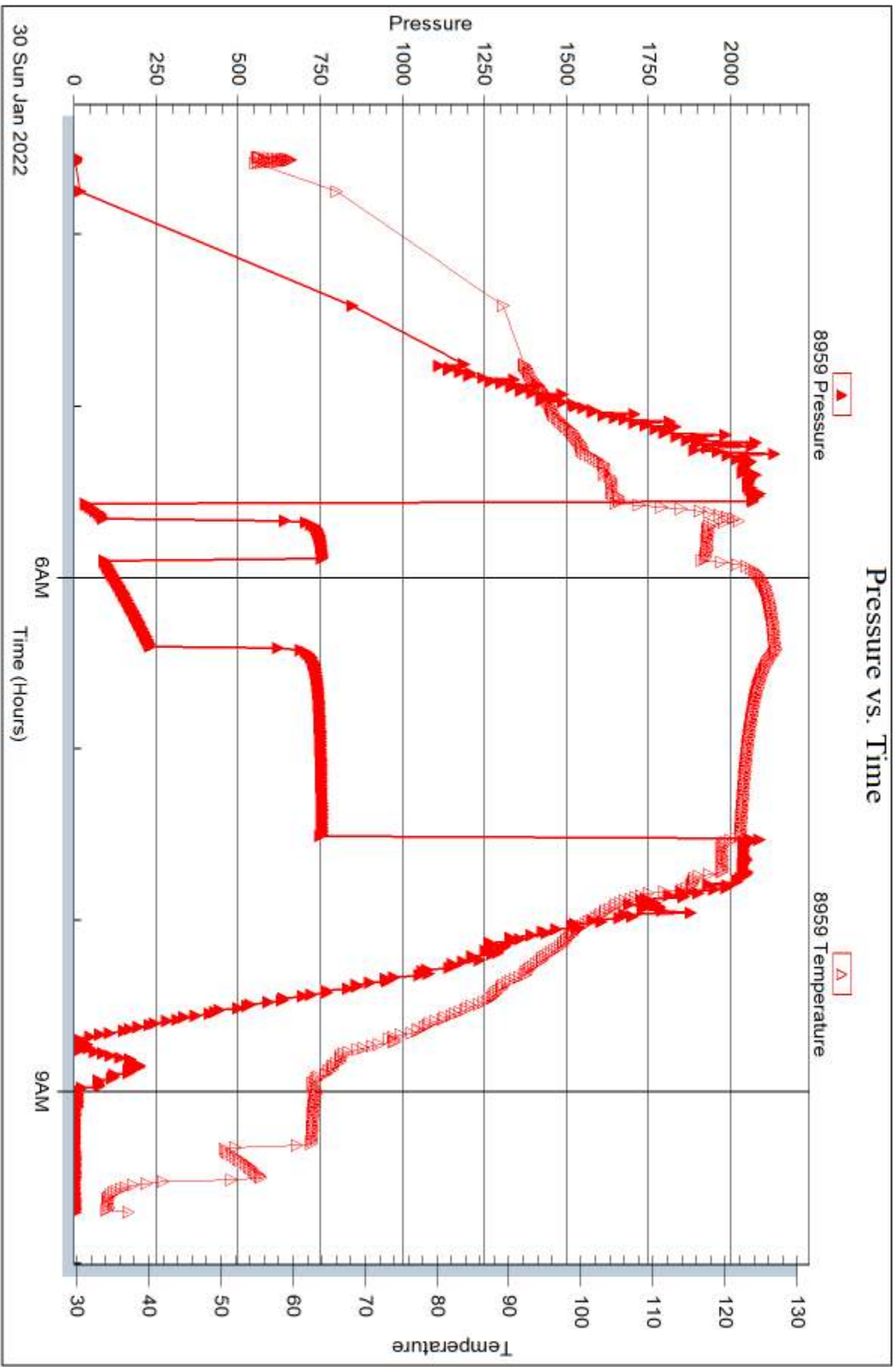
Serial #: 8959

Inside

Citadel Oil LLC

Ramsey #2-30

DST Test Number: 5



Trilobite Testing, Inc

Ref. No: 68034

Printed: 2022.02.03 @ 11:37:49



DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.30 @ 18:12:00

End Date: 2022.01.31 @ 00:27:00

Job Ticket #: 68035 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:37:16

Citadel Oil LLC
30-17S.-30W Lane,KS
Ramsey #2-30
DST # 6
Middle Creek
2022.01.30



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68035

DST#: 6

ATTN: Vern Schrag

Test Start: 2022.01.30 @ 18:12:00

GENERAL INFORMATION:

Formation: **Middle Creek**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:03:00

Time Test Ended: 00:27:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4243.00 ft (KB) To 4254.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 4254.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 89.88 psig @ 4244.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.30

End Date:

2022.01.31

Last Calib.: 2022.01.31

Start Time: 18:12:01

End Time:

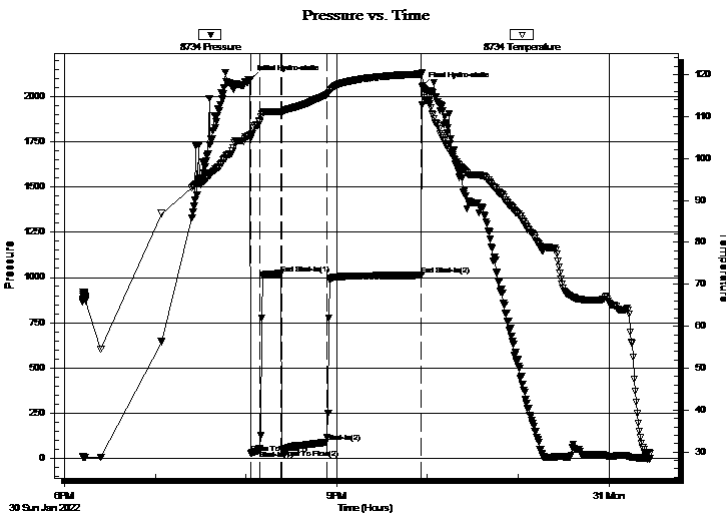
00:27:00

Time On Btm: 2022.01.30 @ 20:02:50

Time Off Btm: 2022.01.30 @ 21:56:30

TEST COMMENT: 5-IF-S.blow built to 2"
15-ISI-No return
30-FF-S.blow built to B.O.B (11 inches) @ 30 mins
60-FSI-No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.00	105.75	Initial Hydro-static
1	27.07	104.81	Open To Flow (1)
6	47.65	108.69	Shut-In(1)
21	1021.62	111.17	End Shut-In(1)
21	48.96	111.02	Open To Flow (2)
51	89.88	115.15	Shut-In(2)
114	1012.06	120.14	End Shut-In(2)
114	2053.50	120.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	GMCO 9%G, 30%M, 61%O	0.49
89.00	CGO 10%G, 90%O	1.05

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68035

DST#: 6

ATTN: Vern Schrag

Test Start: 2022.01.30 @ 18:12:00

Tool Information

Drill Pipe:	Length: 4124.00 ft	Diameter: 3.80 inches	Volume: 57.85 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.45 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	36.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4243.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4211.00	
Shut In Tool	5.00			4216.00	
Hydraulic tool	5.00	1113		4221.00	
Jars	5.00	01-07		4226.00	
EM Tool	5.00			4231.00	
Safety Joint	3.00	-001		4234.00	
Packer	5.00			4239.00	33.00 Bottom Of Top Packer
Packer	4.00			4243.00	
Stubb	1.00			4244.00	
Recorder	0.00	8959	Inside	4244.00	
Recorder	0.00	8734	Outside	4244.00	
Perforations	5.00			4249.00	
Bullnose	5.00			4254.00	11.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68035

DST#: 6

ATTN: Vern Schrag

Test Start: 2022.01.30 @ 18:12:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

35.6 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1400.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	GMCO 9%G, 30%M, 61%O	0.492
89.00	CGO 10%G, 90%O	1.048

Total Length: 189.00 ft Total Volume: 1.540 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

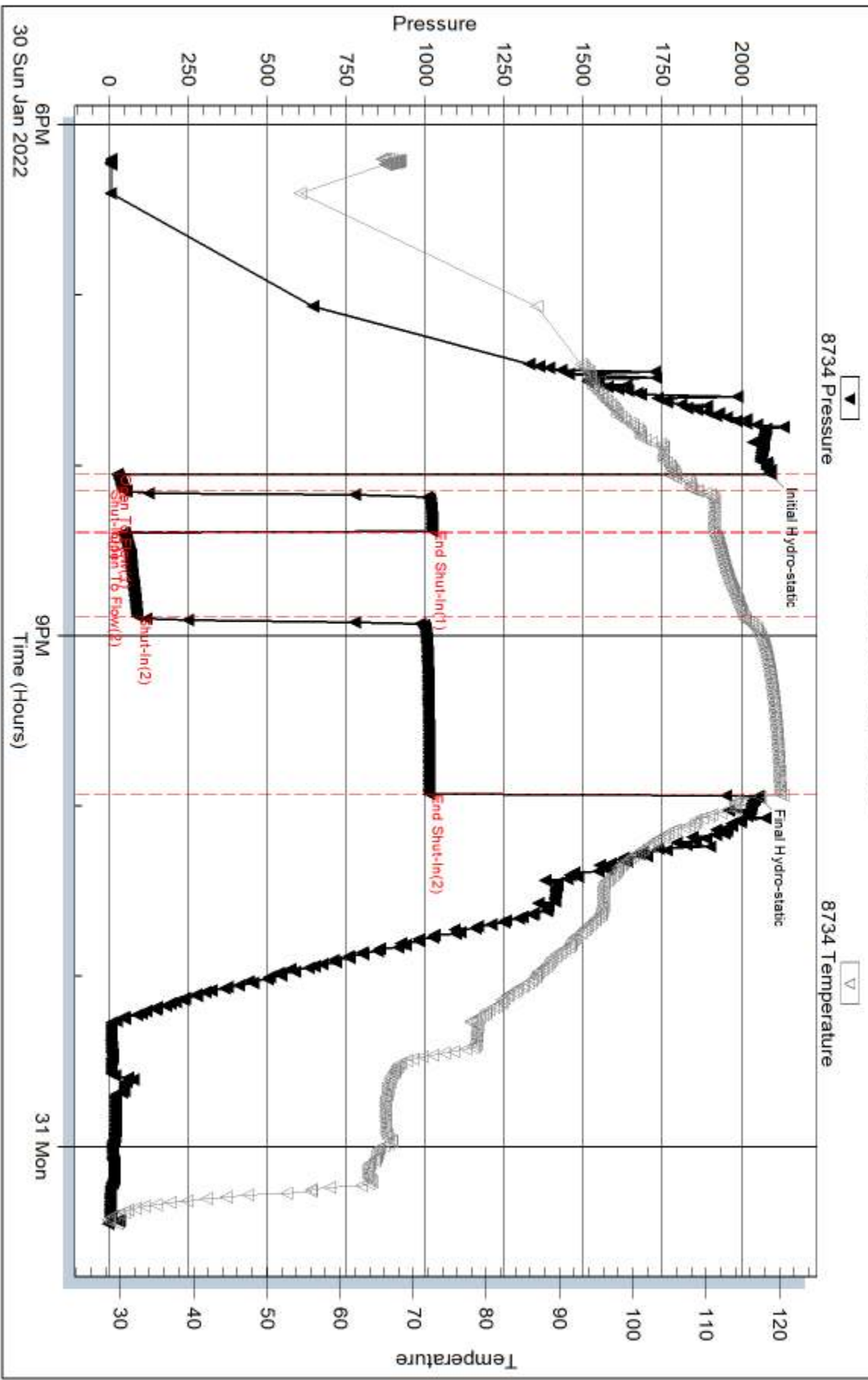
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 32.8 @ 32 degs corrected to 35.6 @ 60 degs

Pressure vs. Time



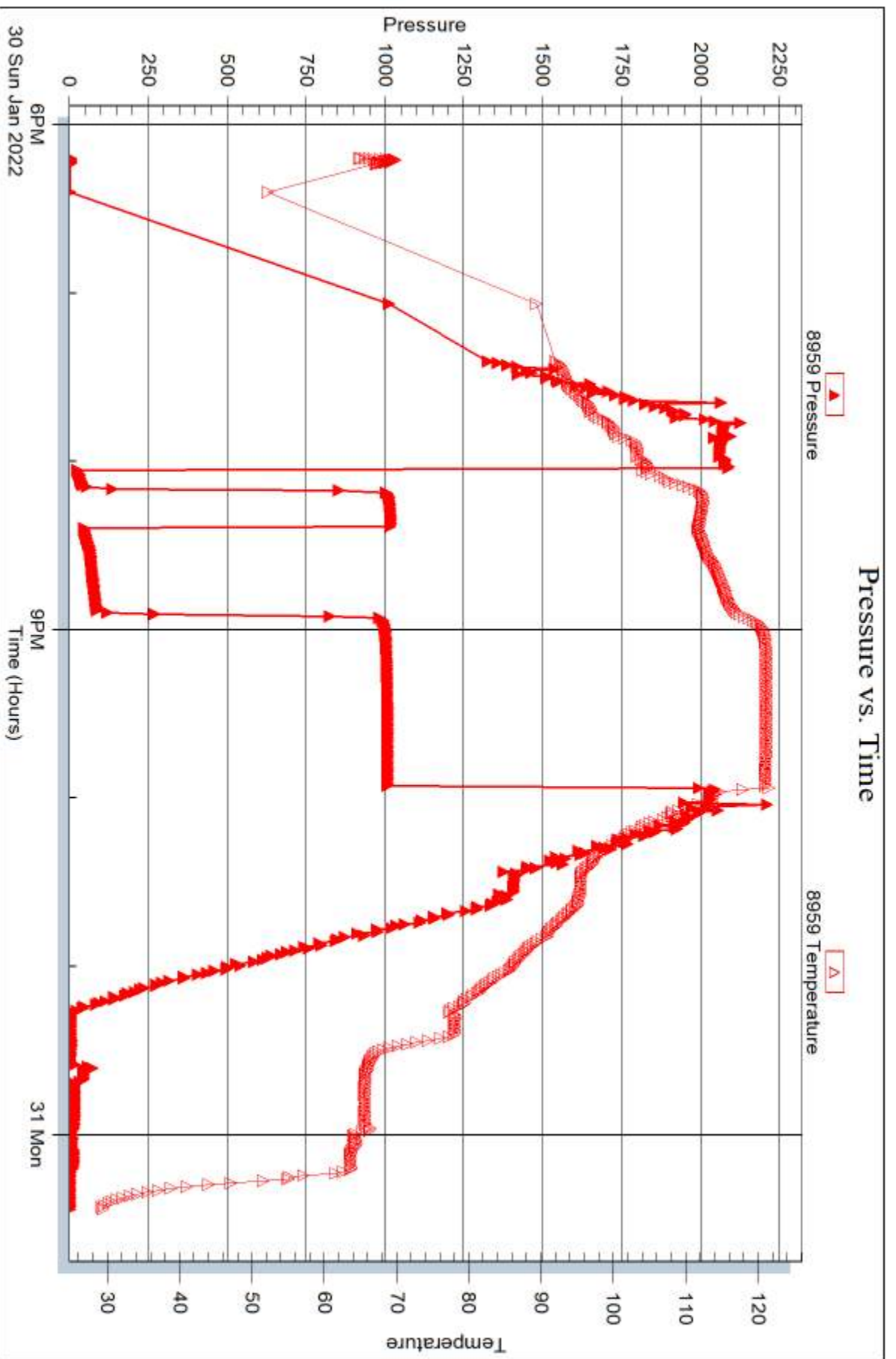
Serial #: 8959

Inside

Citadel Oil LLC

Ransey #2-30

DST Test Number: 6





DRILL STEM TEST REPORT

Prepared For: **Citadel Oil LLC**

PO Box 1410
Edmond, OK 73083

ATTN: Vern Schrag

Ramsey #2-30

30-17S.-30W Lane,KS

Start Date: 2022.01.31 @ 11:55:00

End Date: 2022.01.31 @ 17:19:39

Job Ticket #: 68036 DST #: 7

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2022.02.03 @ 11:28:05



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68036

DST#: 7

ATTN: Vern Schrag

Test Start: 2022.01.31 @ 11:55:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:35:30

Time Test Ended: 17:19:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4288.00 ft (KB) To 4308.00 ft (KB) (TVD)

Reference Elevations: 2904.00 ft (KB)

Total Depth: 4308.00 ft (KB) (TVD)

2896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: 8734 Outside

Press@RunDepth: 84.67 psig @ 4289.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.01.31

End Date: 2022.01.31

Last Calib.: 2022.01.31

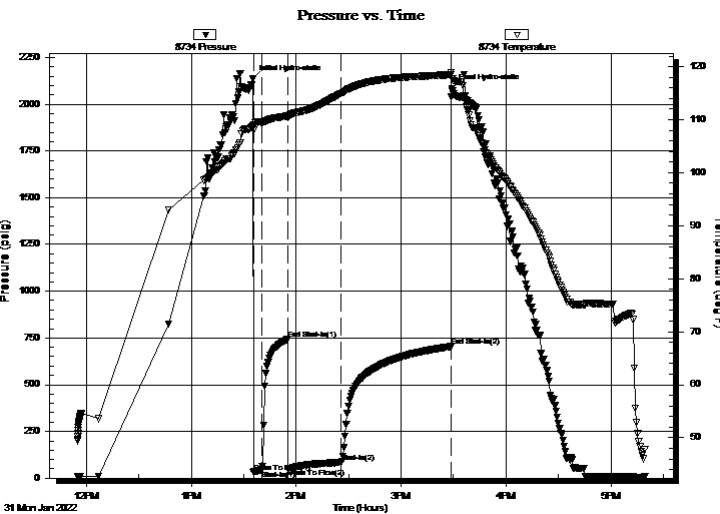
Start Time: 11:55:01

End Time: 17:19:40

Time On Btm: 2022.01.31 @ 13:35:20

Time Off Btm: 2022.01.31 @ 15:29:10

TEST COMMENT: 5-IF-Blow built to 2"
15-ISI-No return
30-FF-Blow built to 5 1/2"
60-FSI-No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2133.95	108.77	Initial Hydro-static
1	31.80	108.03	Open To Flow (1)
5	44.11	109.52	Shut-In(1)
20	742.44	110.70	End Shut-In(1)
20	50.24	110.41	Open To Flow (2)
51	84.67	114.95	Shut-In(2)
113	703.70	118.50	End Shut-In(2)
114	2083.01	117.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	GHOCM 13%G, 34%O, 53%M	0.60
28.00	CGO 15%G, 85%O	0.39

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68036

DST#: 7

ATTN: Vern Schrag

Test Start: 2022.01.31 @ 11:55:00

GENERAL INFORMATION:

Formation: **Pleasanton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:35:30

Time Test Ended: 17:19:39

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 81

Interval: 4288.00 ft (KB) To 4308.00 ft (KB) (TVD)

Total Depth: 4308.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2904.00 ft (KB)

2896.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8959 Inside

Press@RunDepth: psig @ 4289.00 ft (KB)

Start Date: 2022.01.31

End Date:

2022.01.31

Start Time: 11:55:01

End Time:

17:19:40

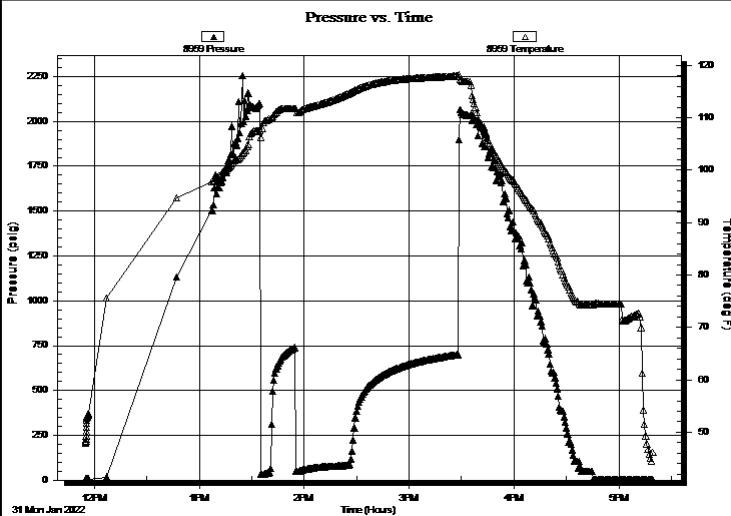
Capacity: 8000.00 psig

Last Calib.: 2022.01.31

Time On Btm:

Time Off Btm:

TEST COMMENT: 5-IF-Blow built to 2"
15-ISI-No return
30-FF-Blow built to 5 1/2"
60-FSI-No return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
122.00	GHOCM 13%G, 34%O, 53%M	0.60
28.00	CGO 15%G, 85%O	0.39

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68036

DST#: 7

ATTN: Vern Schrag

Test Start: 2022.01.31 @ 11:55:00

Tool Information

Drill Pipe:	Length: 4156.00 ft	Diameter: 3.80 inches	Volume: 58.30 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 122.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4288.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4256.00	
Shut In Tool	5.00			4261.00	
Hydraulic tool	5.00	1113		4266.00	
Jars	5.00	01-07		4271.00	
EM Tool	5.00			4276.00	
Safety Joint	3.00	-001		4279.00	
Packer	5.00			4284.00	33.00 Bottom Of Top Packer
Packer	4.00			4288.00	
Stubb	1.00			4289.00	
Recorder	0.00	8959	Inside	4289.00	
Recorder	0.00	8734	Outside	4289.00	
Perforations	14.00			4303.00	
Bullnose	5.00			4308.00	20.00 Bottom Packers & Anchor

Total Tool Length: 53.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Citadel Oil LLC

30-17S.-30W Lane,KS

PO Box 1410
Edmond, OK 73083

Ramsey #2-30

Job Ticket: 68036

DST#: 7

ATTN: Vern Schrag

Test Start: 2022.01.31 @ 11:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.49 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	GHOCM 13%G, 34%O, 53%M	0.600
28.00	CGO 15%G, 85%O	0.393

Total Length: 150.00 ft Total Volume: 0.993 bbl

Num Fluid Samples: 0

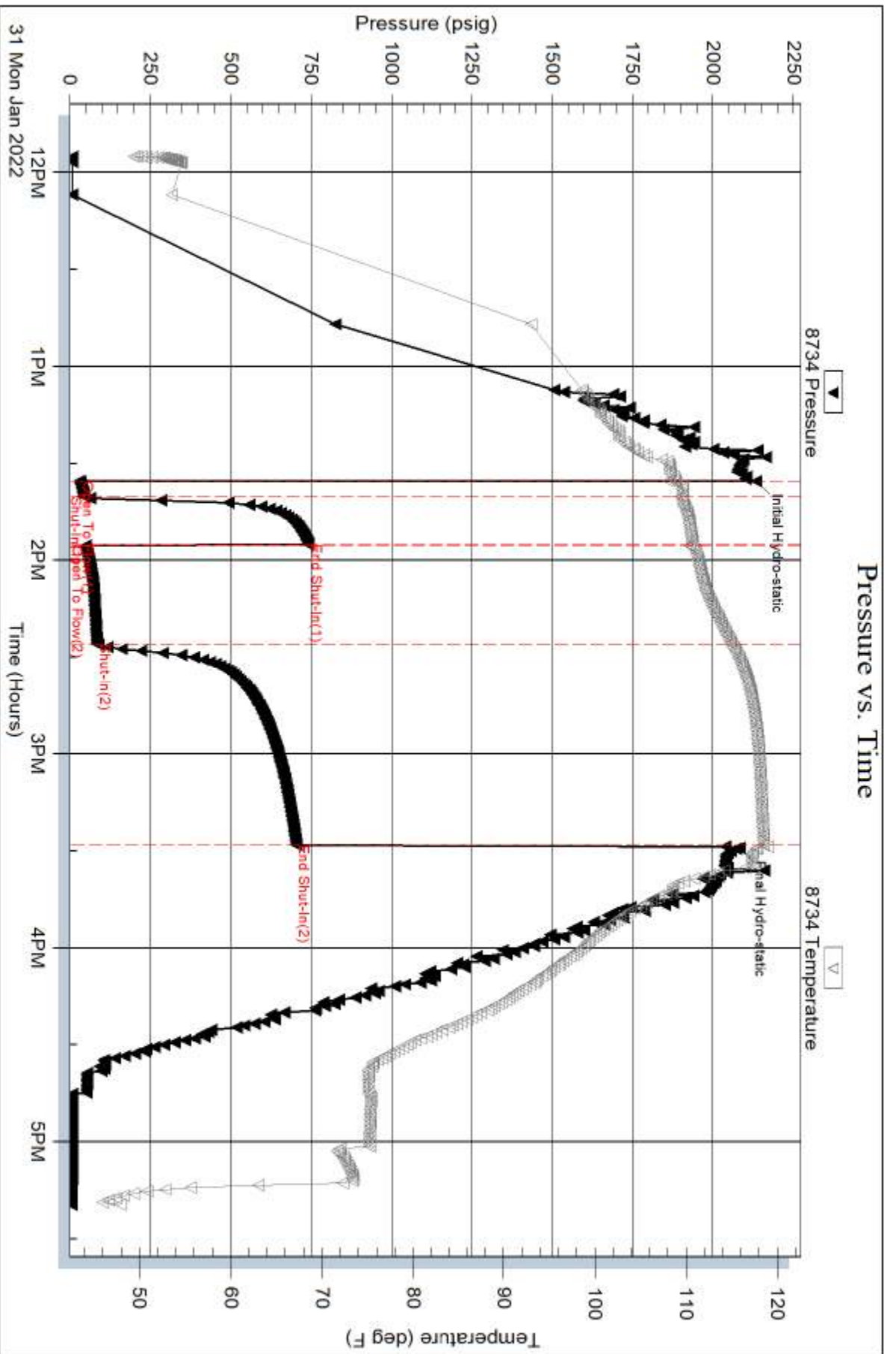
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity of oil = 37.8 @ 58 degs corrected to 38.0 @ 60 degs



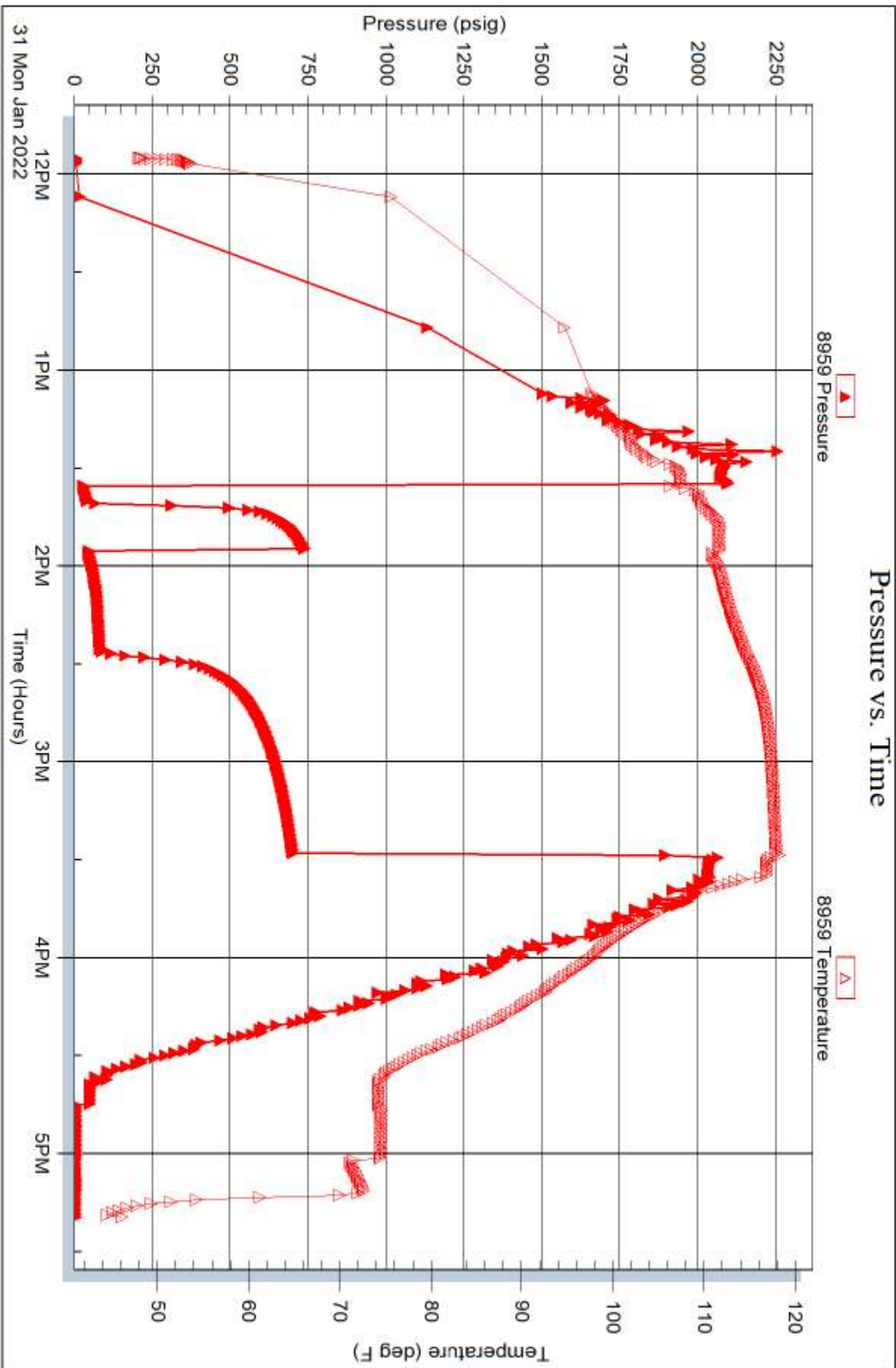
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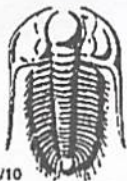
Inside

Citadel Oil LLC

Ransey #2-30

DST Test Number: 7





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68030

Well Name & No. Ramsay #2-30 Test No. 1 Date 1-27-22
 Company Citadel Oil LLC Elevation 2904 KB 2896 GL
 Address P.O. Box 1410 Edmond, OK 73083
 Co. Rep / Geo. Vern Schrag Rig Southwind #8
 Location: Sec. 30 Twp 17S. Rge. 30W. Co. Lane State KS.

Interval Tested 3948-3968 Zone Tested Lansing "B"
 Anchor Length 20' Drill Pipe Run 3806 Mud Wt. 9.0
 Top Packer Depth 3943 Drill Collars Run 122 Vls 49
 Bottom Packer Depth 3948 Wt. Pipe Run _____ WL 6.8
 Total Depth 3968 Chlorides 1400 ppm System LCM 2#

Blow Description IF - blow built to 3"
ISI - No return

FF - blow built to 3.0.8 (11 inches) @ 30 mins

ESI - Returns blow @ 10 mins built to 1/4" dead @ 44 mins

Rec	Feet of	%gas	%oil	%water	%mud
<u>122</u>	<u>SMOCW</u>	<u>10</u>	<u>85</u>	<u>5</u>	
<u>100</u>	<u>SOMCW</u>	<u>5</u>	<u>70</u>	<u>25</u>	
<u>26</u>	<u>Co</u>	<u>100</u>			

Rec Total 242 BHT 116 Gravity 23 API RW .75 @ 54 °F Chlorides 14,000 ppm

- (A) Initial Hydrostatic 1915
- (B) First Initial Flow 36
- (C) First Final Flow 73
- (D) Initial Shut-In 869
- (E) Second Initial Flow 76
- (F) Second Final Flow 134
- (G) Final Shut-In 873
- (H) Final Hydrostatic 1903

- Test 1300
- Jars 250
- Safety Joint 75
- Circ Sub _____
- Hourly Standby _____
- Mileage 41 RT 51.25
- Sampler _____
- Straddle _____
- Shale Packer _____
- Extra Packer _____
- Extra Recorder _____
- Day Standby _____
- Accessibility _____
- Sub Total 1676.25

- T-On Location 00:15
- T-Started 02:50
- T-Open 06:20
- T-Pulled 08:10
- T-Out 10:37
- Comments _____
- EM Tool 350 NS
- Ruined Shale Packer _____
- Ruined Packer _____
- Extra Copies _____
- Sub Total 0
- Total 1676.25
- MP/DST Disc't _____

Initial Open 5
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 60

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68031

Well Name & No. Ramsey #2-30 Test No. 2 Date 1-27-23
 Company Citadel Oil LLC Elevation 2904 KB 2896 GL
 Address P.O. Box 1410 Edmond, OK 73083
 Co. Rep / Geo. Vern Schrag Rig Southwind
 Location: Sec. 30 Twp 17S. Rge. 30W. Co. Lane State KS

Interval Tested 4007-4020 Zone Tested Lansing "E"
 Anchor Length 13' Drill Pipe Run 3870 Mud Wt. 9.0
 Top Packer Depth 4002. Drill Collars Run 122 Vis 48
 Bottom Packer Depth 4002 (Shale) Wt. Pipe Run — WL 7.2
 Total Depth 4020 Chlorides 2500 ppm System LCM 2#

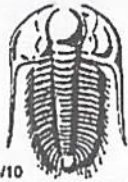
Blow Description IF - blow built to 3"
ISI - No return.
FF - blow built to P.O.B (11 inches) @ 27 mins (blow increased to 12 1/2")
ESI - Return blow built to 1"

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>GHMCO</u>	<u>10</u>	<u>50</u>	<u>40</u>	
<u>125</u>	<u>CGO</u>	<u>12</u>	<u>88</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 185 BHT 114 Gravity 33 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1958 Test 1450 T-On Location 19:30
 (B) First Initial Flow 31 Jars 250 T-Started 20:10
 (C) First Final Flow 49 Safety Joint 75 T-Open 22:33
 (D) Initial Shut-In 971 Circ Sub _____ T-Pulled ∞:23
 (E) Second Initial Flow 50 Hourly Standby _____ T-Out 03:15
 (F) Second Final Flow 96 Mileage 51.25 Comments _____
 (G) Final Shut-In 973 Sampler _____
 (H) Final Hydrostatic 1954 Straddle _____ EM Tool 350
 Shale Packer 250 Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Day Standby _____ Sub Total 350
 Accessibility _____ Total 2426.25
 Sub Total 2076.25 MP/DST Disc't _____

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68032

Well Name & No. Ramsay #2-30 Test No. 3 Date 1-28-22
 Company Citadel Oil LLC Elevation 2904 KB 2896 GL
 Address P.O. Box 1410 Edmund, OK 73083
 Co. Rep / Geo. Vern Schrag Rig Southwind #8
 Location: Sec. 30 Twp 17S. Rge. 30W. Co. Lane. State K3

Interval Tested 4100 - 4120 Zone Tested Cansing "H"
 Anchor Length 20' Drill Pipe Run 3965 Mud Wt. 9.1
 Top Packer Depth 4095 Drill Collars Run 122 Vis 52
 Bottom Packer Depth 4100 Wt. Pipe Run — WL 7.2
 Total Depth 4120 Chlorides 3000 ppm System LCM 2H
 Blow Description IF - S. blow built to 1/2"

ISI - No return.

FF - No blow

FSI - No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>OSM</u>	<u>4</u>		<u>96</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 109 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2065</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>18:20</u>
(B) First Initial Flow <u>27</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>18:30</u>
(C) First Final Flow <u>28</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>20:43</u>
(D) Initial Shut-In <u>963</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>22:33</u>
(E) Second Initial Flow <u>29</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>00:58</u>
(F) Second Final Flow <u>33</u>	<input checked="" type="checkbox"/> Mileage <u>41RT</u> 51.25	Comments
(G) Final Shut-In <u>993</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2015</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350 NS</u>
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Sub Total <u>0</u>
	<input type="checkbox"/> Accessibility	Total <u>1826.25</u>
	Sub Total <u>1826.25</u>	MP/DST Disc't

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68033**

Well Name & No. Ramsey #2-30 Test No. 4 Date 1-28-22
 Company Citadel Oil LLC Elevation 2904 KB 2896 GL
 Address P.O. Box 1410 Edmund, OK 73083
 Co. Rep / Geo. Vern Schrag Rig Southwind #8
 Location: Sec. 30 Twp 17S. Rge. 30W. Co. Lane State KS.

Interval Tested 4145 - 4170 Zone Tested I - zone.
 Anchor Length 25' Drill Pipe Run 3997 Mud Wt. 9.1
 Top Packer Depth 4140 Drill Collars Run 122 Vls 52
 Bottom Packer Depth 4145 Wt. Pipe Run — WL 7.2
 Total Depth 4170 Chlorides 3000 ppm System LCM 2#
 Blow Description IF - S. blow built to 3/4"
ISI - No return
FF - S. blow built to 3/4"
FSI - No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OSM</u>	<u>3</u>		<u>97</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT _____ Gravity _____ API RW _____ @ _____ F Chlorides _____ ppm

(A) Initial Hydrostatic 2078 Test 1450 T-On Location 10:30
 (B) First Initial Flow 29 Jars 250 T-Started 10:50
 (C) First Final Flow 31 Safety Joint 75 T-Open 12:28
 (D) Initial Shut-In 769 Circ Sub _____ T-Pulled 14:18
 (E) Second Initial Flow 33 Hourly Standby _____ T-Out 16:27
 (F) Second Final Flow 43 Mileage 41RT 51.25 Comments _____
 (G) Final Shut-In 717 Sampler _____
 (H) Final Hydrostatic 2013 Straddle _____ EM Tool 350 NS
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____
 Initial Open 5 Day Standby _____ Sub Total 0
 Initial Shut-In 15 Accessibility _____ Total 1826.25
 Final Flow 30 Sub Total 1826.25 MP/DST Disc't _____
 Final Shut-In 60

Approved By _____ Our Representative [Signature]
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 68034

Well Name & No. Bamsey #2-30 Test No. 5 Date 1-30-22
 Company Citadel Oil LLC Elevation 2904 KB 2896 GL
 Address P.O. Box 1410 Edmond, OK 73083
 Co. Rep / Geo. Vern Schrag Rig Southwind #8
 Location: Sec. 30 Twp 17S Rge. 30W Co. Lane State KS

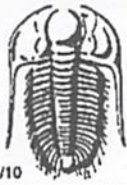
Interval Tested 4198-4209 Zone Tested LKC "K"
 Anchor Length 11' Drill Pipe Run 4061 Mud Wt. 9.2
 Top Packer Depth 4193 Drill Collars Run 4112 Vis 53
 Bottom Packer Depth 4198 Wt. Pipe Run — WL 8.0
 Total Depth 4209 Chlorides 3300 ppm System LCM 24
 Blow Description IF - Blow built to 7"
ISI - No return.
FF - B.O.B (11 inches) @ 12 min (blow increased to 29")
FST - No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>330</u>	<u>Feet of MSW</u>		<u>98</u>	<u>2</u>	
<u>120</u>	<u>Feet of MCW to 1' scum</u>		<u>75</u>	<u>25</u>	

Rec Total 450 BHT 122° Gravity — API RW .49 @ 51 °F Chlorides 19,000 ppm

(A) Initial Hydrostatic <u>2076</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>03:00</u>
(B) First Initial Flow <u>37</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>03:33</u>
(C) First Final Flow <u>93</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>05:34</u>
(D) Initial Shut-In <u>759</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>07:25</u>
(E) Second Initial Flow <u>88</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>09:42</u>
(F) Second Final Flow <u>838</u>	<input checked="" type="checkbox"/> Mileage <u>41RT</u> 51.25	Comments
(G) Final Shut-In <u>758</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>2078</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350?</u>
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
	<input type="checkbox"/> Day Standby	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility	Total <u>2176.25</u>
	Sub Total <u>1826.50</u>	MP/DST Disc't

Approved By _____ Our Representative Matt Johnson
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68035**

Well Name & No. Ramsay #2-30 Test No. 6 Date 1-30-22
 Company Citadel Oil LLC Elevation 2904 KB 2396 GL
 Address P.O. Box 1410 Edmond, OK 73083
 Co. Rep / Geo. Vern Schrag Rig Southwind #8
 Location: Sec. 30 Twp 7S. Rge. 30W. Co. Lane. State KS.

Interval Tested 4243 - 4254 Zone Tested Middle Creek
 Anchor Length 11' Drill Pipe Run 4124 Mud Wt. 9.0
 Top Packer Depth 4238 Drill Collars Run 122 Vls 50
 Bottom Packer Depth 4243 Wt. Pipe Run — WL 8.8
 Total Depth 4254 Chlorides 3500 ppm System LCM 24
 Blow Description IF - S. blow built to 2"

ISI - No return.

FF - S. blow built to B.O.B (11 inches) @ 30 mins

FSE - No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>100</u>	<u>GMCO</u>	<u>9</u>	<u>61</u>	<u>30</u>	
<u>80</u>	<u>CGO</u>	<u>10</u>	<u>90</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 180 BHT 121 Gravity 35.6 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2092 Test 1450 T-On Location 18:10
 (B) First Initial Flow 27 Jars 250 T-Started 18:12
 (C) First Final Flow 48 Safety Joint 75 T-Open 20:04
 (D) Initial Shut-In 1022 Circ Sub _____ T-Pulled 21:54
 (E) Second Initial Flow 49 Hourly Standby _____ T-Out 06:28
 (F) Second Final Flow 90 Mileage 41RT 51.25 Comments _____
 (G) Final Shut-In 1012 Sampler _____
 (H) Final Hydrostatic 2054 Straddle _____ EM Tool 350
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

Initial Open 5
 Initial Shut-In 15
 Final Flow 30
 Final Shut-In 60
 Sub Total 1826.25 MP/DST Disc't _____
 Sub Total 350
 Total 2176.25

Approved By _____ Our Representative [Signature]

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **68036**

Well Name & No. Ramsey #2-30 Test No. 7 Date 1-31-22
 Company Citadel Oil LLC Elevation 2904 KB 2896 GL
 Address P.O. Box 1410 Edmond, OK 73033
 Co. Rep / Geo. Vern Schrag Rig Southwind #8
 Location: Sec. 30 Twp 17S. Rge. 30W. Co. Lane State KS.

Interval Tested 4288 - 4308 Zone Tested Pleasanton
 Anchor Length 20' Drill Pipe Run 4156 Mud Wt. 9.2
 Top Packer Depth 4283 Drill Collars Run 122 Vls 63
 Bottom Packer Depth 4288 Wt. Pipe Run — WL 9.5
 Total Depth 4308 Chlorides 3700 ppm System LCM 2#
 Blow Description JF - blow built to 2"
TSI - No return
FF - blow built to 5 1/2"
FST -

Rec	Feet of	%gas	%oil	%water	%mud
<u>122</u>	<u>G 40 CM</u>	<u>13</u>	<u>34</u>	<u>53</u>	
<u>23</u>	<u>C 60</u>	<u>15</u>	<u>85</u>		
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 150 BHT 118° Gravity 38.0 API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2134</u>	<input checked="" type="checkbox"/> Test <u>1450</u>	T-On Location <u>11:45</u>
(B) First Initial Flow <u>32</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>11:55</u>
(C) First Final Flow <u>44</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>13:35</u>
(D) Initial Shut-In <u>742</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>15:25</u>
(E) Second Initial Flow <u>50</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>17:20</u>
(F) Second Final Flow <u>85</u>	<input checked="" type="checkbox"/> Mileage <u>41 RT x 2</u> 102.50	Comments <u>Tools loaded @</u>
(G) Final Shut-In <u>704</u>	<input type="checkbox"/> Sampler	<u>17:45 2-1-22</u>
(H) Final Hydrostatic <u>2083</u>	<input type="checkbox"/> Straddle	<input checked="" type="checkbox"/> EM Tool <u>350</u>
Initial Open <u>5</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Shut-In <u>15</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Final Flow <u>30</u>	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
Final Shut-In	<input checked="" type="checkbox"/> Day Standby <u>1d 30 min</u>	Sub Total <u>350</u>
	<input type="checkbox"/> Accessibility	Total <u>2227.50</u>
	Sub Total <u>1877.50</u>	MP/DST Disc't

Approved By _____ Our Representative Vern Schrag
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Summary of Changes

Lease Name and Number: RAMSEY 2-30

API/Permit #: 15-101-22666-00-00

Doc ID: 1638098

Correction Number: 1

Approved By: David Befort

Field Name	Previous Value	New Value
Approved Date	04/05/2022	04/06/2022

Summary of Attachments

Lease Name and Number: RAMSEY 2-30

API: 15-101-22666-00-00

Doc ID: 1638098

Correction Number: 1

Attachment Name

Ramsey #2-30 Cement Ticket

Ramsey #2-30 Cement Prod Casing

Ramsey #2-30 Geo Report

Ramsey #2-30 DSTs