

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

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	DNR Oil and Gas, Inc.
Well Name	ROCKET 42-32D
Doc ID	1384148

All Electric Logs Run

Sonic
Micro
Dual
Dual Induction



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-9676

9775/9665

TICKET NUMBER 54986
LOCATION Galley Ks
FOREMAN Walt Dinkel

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice #812101

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12-20-17	2633	Rocket 42-32D	32	15	41W	Cherokee

CUSTOMER
DNR Oil+Gas, Inc
MAILING ADDRESS
12741 E. Galley, Unit 142
CITY
Englewood STATE
CO ZIP CODE
80111

St Francis
West to
Highway 27
North to
Rd X 1/2N
W.S.

TRUCK #	DRIVER	TRUCK #	DRIVER
731	<u>Cory Davis</u>		
530/1129	<u>Seth Odell</u>		
753	<u>Travis Williams</u>		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 309' CASING SIZE & WEIGHT 8 5/8 - 24#
 CASING DEPTH 309 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 15.2 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 15-20'
 DISPLACEMENT 18 1/2 DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, rig up on Duke #4, Circ. casing on bottom,
mix SKs Surface Blend II, Displace 18 1/2 BBL H₂O, Slurrying
Cement Did Circ.

Thank You
Walt & Cory

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>Geo 471</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1,150.00</u>	<u>1,150.00</u>
<u>Geo 002</u>	<u>60</u>	<u>MILEAGE</u>	<u>7.15</u>	<u>429.00</u>
<u>Geo 710</u>	<u>12.93</u>	<u>Ton Mileage Delivery</u>	<u>1.25</u>	<u>1,357.80</u>
<u>Geo 710</u>	<u>275 - SKs</u>	<u>Surface Blend II</u>	<u>24.00</u>	<u>6,600.00</u>
				<u>9,536.80</u>
			<u>Less 30% Disc</u>	<u>2,861.04</u>
				<u>6,675.76</u>
			<u>SALES TAX</u>	<u>392.70</u>
			<u>ESTIMATED TOTAL</u>	<u>7068.46</u>

AUTHORIZATION Hector M. Jones TITLE _____ DATE _____



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

9849
9/11

TICKET NUMBER 54980
LOCATION Oak Hills
FOREMAN Mike Surr

FIELD TICKET & TREATMENT REPORT
CEMENT

Invoice # 812210

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
1-9-18	2077	Rocket-42-32-1	32	15	41W	Osage	
CUSTOMER DNR Oil & Gas			TRUCK #		DRIVER	TRUCK #	DRIVER
MAILING ADDRESS 12741 E. Coley, Unit 142			753		TRAVIS		
CITY Englewood			772/7-127		Salt		
STATE CO							
ZIP CODE 80111							

St Francis
US NP
27 hole
1/2 W.S.

JOB TYPE <u>PTA</u>	HOLE SIZE <u>7 7/8"</u>	HOLE DEPTH <u>5380'</u>	CASING SIZE & WEIGHT
CASING DEPTH	DRILL PIPE <u>7 1/2"</u>	TUBING	OTHER
SLURRY WEIGHT <u>13.8</u>	SLURRY VOL. <u>1.4</u>	WATER gal/sk	CEMENT LEFT in CASING
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE

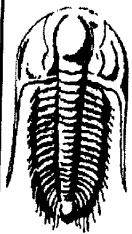
REMARKS: Safety netting and bus up on Duke drilling Rig #4 Plug as ordered
1 plug 5050 3530'
2 plugs 11050 2750'
3 plugs 5050 350'
4 plugs 10500 30' with wire plug
12H 30 SK
60/40 402 480d 1/2 Hosed

Thanks Mike Surr

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0452	1	PUMP CHARGE	2300.00	2300.00
CE0002	75	MILEAGE	7.15	536.25
CE0710	10.44 TONS	Ten Mileage delivery	1675	1370.25
CE0075	240 SK	Light-wireline bithead II	16.00	3840.00
CE0075	600#	Collar Halls / Ediscol	3.00	180.00
CP8228	1	8 5/8" wooden plug	165.00	165.00
CC5846	600#	Salt	N/A	N/A
			Subtotal	8291.50
			1455.38 discount	2517.45
			Subtotal	5874.05
			SALES TAX	249.01
			ESTIMATED TOTAL	6123.07

Ravin 3737
AUTHORIZATION Hector T 0119 TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas INC
 12741 E Caley
 Unit 142
 Centennial, Co 80111
 ATTN: Tim Lauer

32-1S.-41W Cheyenne Co.
Rocket 42-32D
 Job Ticket: 63411 **DST#: 1**
 Test Start: 2018.01.01 @ 09:39:00

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 12:48:00
 Time Test Ended: 17:18:20
Interval: 4181.00 ft (KB) To 4240.00 ft (KB) (TVD)
 Total Depth: 4240.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3531.00 ft (KB)
 3522.00 ft (CF)
 KB to GR/CF: 9.00 ft

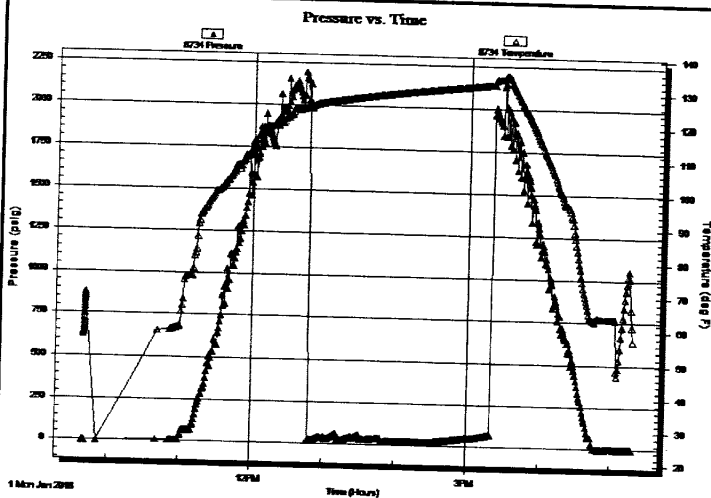
Serial #: 8734

Outside

Press@RunDepth: psig @ 4182.00 ft (KB)
 Start Date: 2018.01.01 End Date: 2018.01.01
 Start Time: 09:39:01 End Time: 17:18:30

Capacity: 8000.00 psig
 Last Calib.: 2018.01.01
 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-S.blow built to 1"
 30-ISI-No blow
 30-FF-No blow
 60-FSI-No blow



PRESSURE SUMMARY

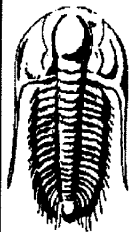
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% Mud	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas INC

32-1S-.41W

Cheyenne Co.

12741 E Caley
Unit 142
Centennial, Co 80111
ATTN: Tim Lauer

Rocket 42-32D

Job Ticket: 63411

DST#: 1

Test Start: 2018.01.01 @ 09:39:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 6.40 in³

Resistivity: ohm.m

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	100%Mud	0.070

Total Length: 5.00ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8959

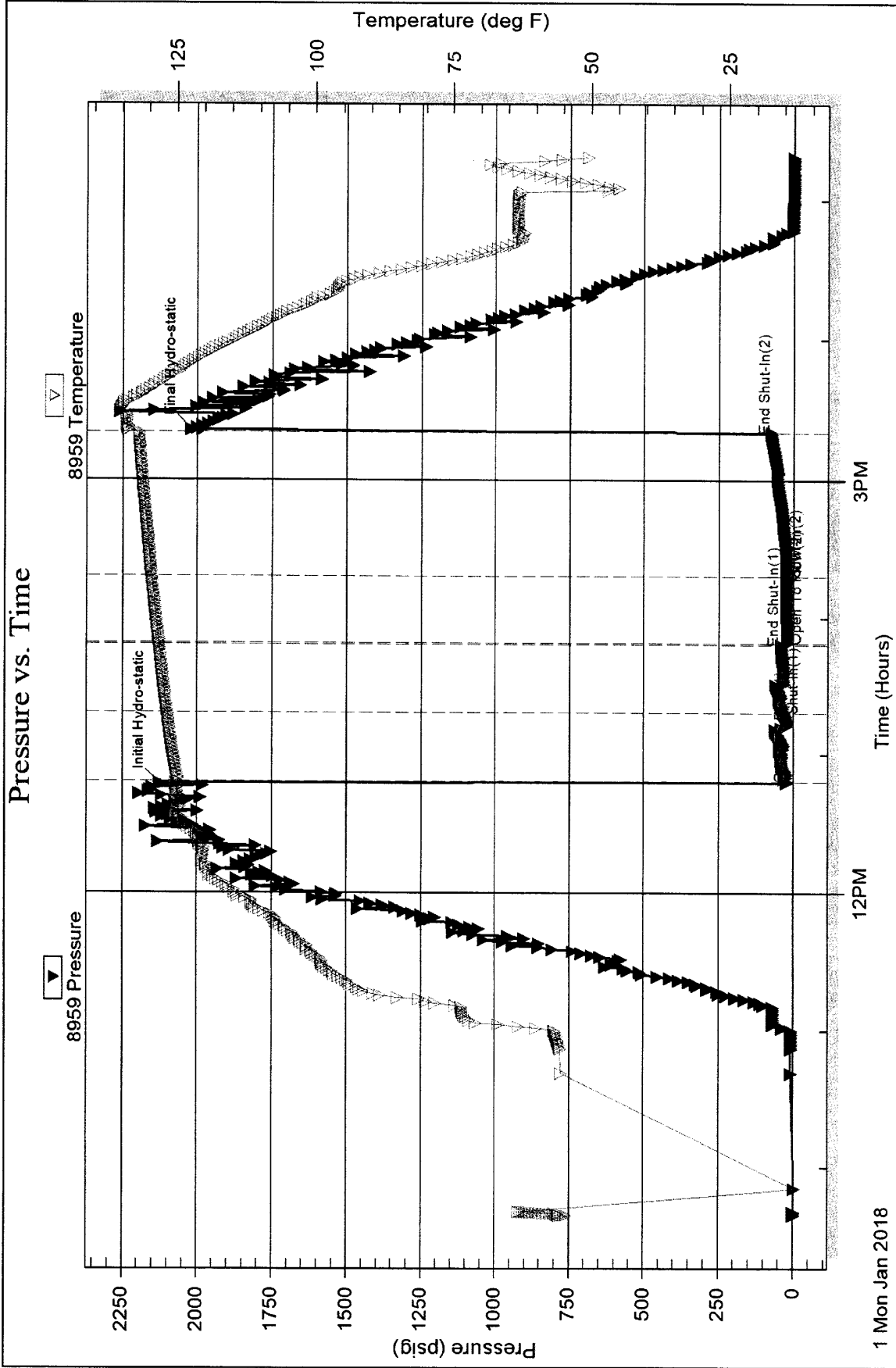
Inside

DNR Oil & Gas INC

Rocket 42-32D

DST Test Number: 1

Pressure vs. Time



Printed: 2018.01.01 @ 18:07:47

Ref. No: 63411

Trilobite Testing, Inc

Serial #: 8734

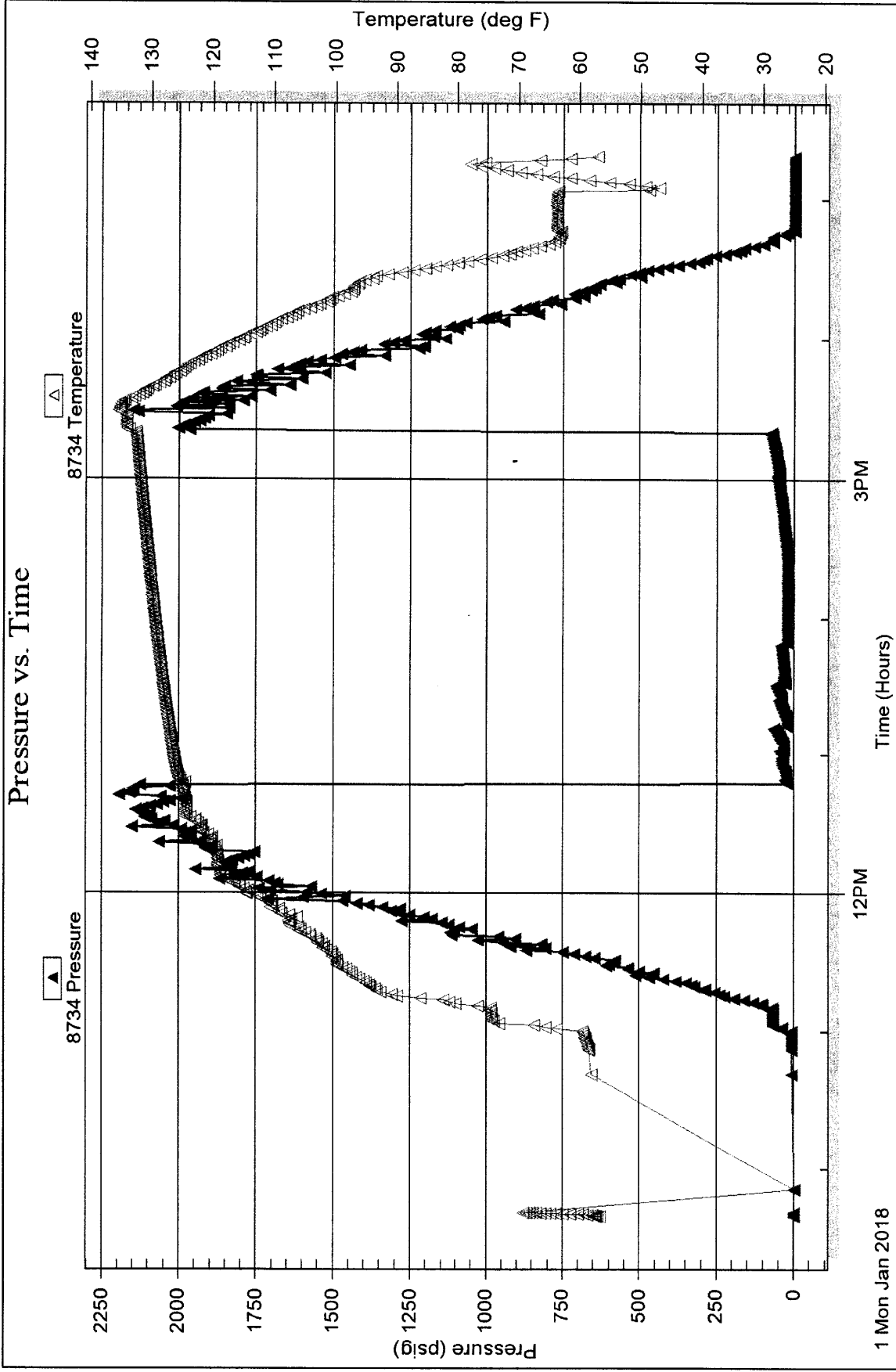
Outside

DNR Oil & Gas INC

Rocket 42-32D

DST Test Number: 1

Pressure vs. Time



Printed: 2018.01.01 @ 18:07:47

Ref. No: 63411

Trilobite Testing, Inc



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas INC
 12741 E Caley
 Unit 142
 Centennial, Co 80111
 ATTN: Tim Lauer

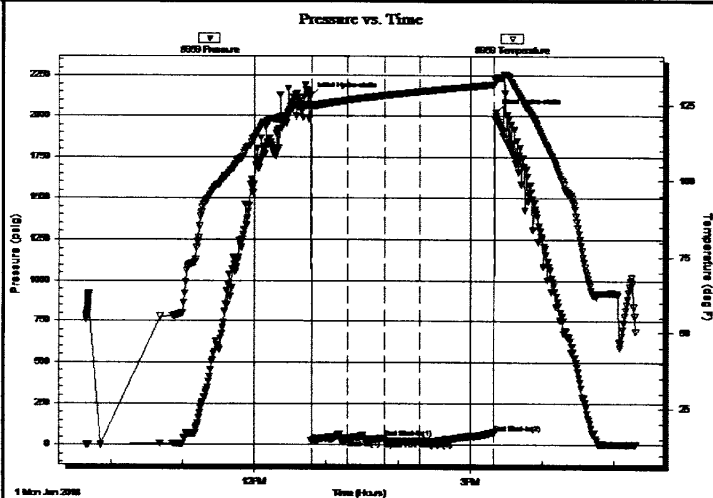
32-1S-.41W Cheyenne Co.
Rocket 42-32D
 Job Ticket: 63411 **DST#: 1**
 Test Start: 2018.01.01 @ 09:39:00

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: No Whipstock ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 12:48:00 Tester: Martine Salinas
 Time Test Ended: 17:18:20 Unit No: 82
 Interval: **4181.00 ft (KB) To 4240.00 ft (KB) (TVD)** Reference Elevations: 3531.00 ft (KB)
 Total Depth: 4240.00 ft (KB) (TVD) 3522.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Good KB to GR/CF: 9.00 ft

Serial #: 8959 Inside
 Press@RunDepth: 22.87 psig @ 4182.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.01 End Date: 2018.01.01 Last Calib.: 2018.01.01
 Start Time: 09:39:01 End Time: 17:18:20 Time On Btm: 2018.01.01 @ 12:47:10
 Time Off Btm: 2018.01.01 @ 15:21:00

TEST COMMENT: 30-IS-blow built to 1"
 30-IS-No blow
 30-FF-No blow
 60-FSI-No blow



PRESSURE SUMMARY

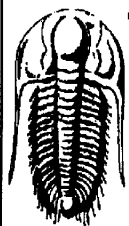
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2125.78	125.24	Initial Hydro-static
1	20.02	124.77	Open To Flow (1)
31	30.18	126.67	Shut-In(1)
62	41.01	128.18	End Shut-In(1)
62	21.65	128.20	Open To Flow (2)
91	22.87	129.51	Shut-In(2)
153	72.35	131.86	End Shut-In(2)
154	2020.98	133.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100%Mud	0.07

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas INC
 12741 E Caley
 Unit 142
 Centennial, CO 80111
 ATTN: Tim Lauer

32-1S-41W Cheyenne, KS

Rocket 42-32D

Job Ticket: 63412 **DST#: 2**
 Test Start: 2018.01.02 @ 06:49:00

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:29:30
 Time Test Ended: 13:51:30
 Interval: **4256.00 ft (KB) To 4300.00 ft (KB) (TVD)**
 Total Depth: 4300.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

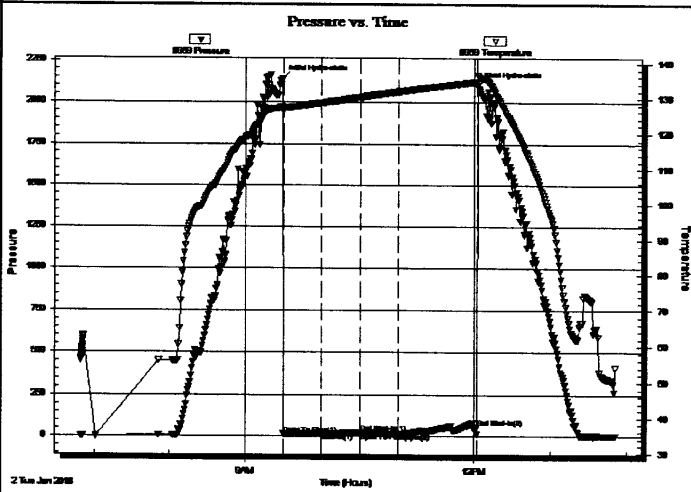
Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3531.00 ft (KB)
 3522.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8959

Inside

Press@RunDepth: 17.66 psig @ 4257.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.02 End Date: 2018.01.02 Last Calib.: 2018.01.02
 Start Time: 06:49:01 End Time: 13:51:30 Time On Btm: 2018.01.02 @ 09:29:20
 Time Off Btm: 2018.01.02 @ 12:02:20

TEST COMMENT: 30-IF-1/2" S.blow built to 1 3/4"
 30-IS-No blow
 30-FF-No blow
 60-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2138.29	127.69	Initial Hydro-static
1	15.57	126.51	Open To Flow (1)
31	16.54	128.69	Shut-In(1)
61	26.10	130.33	End Shut-In(1)
61	17.19	130.32	Open To Flow (2)
91	17.66	131.93	Shut-In(2)
153	58.86	134.72	End Shut-In(2)
154	2099.70	136.68	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	No Recovery Hydraulic tool mandrel brok	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas INC

32-1S.-41W Cheyenne,KS

12741 E Caley
Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

Rocket 42-32D
Job Ticket: 63412 **DST#: 2**
Test Start: 2018.01.02 @ 06:49:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	No Recovery Hydraulic tool mandrel broke	0.000

Total Length: ft Total Volume: bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

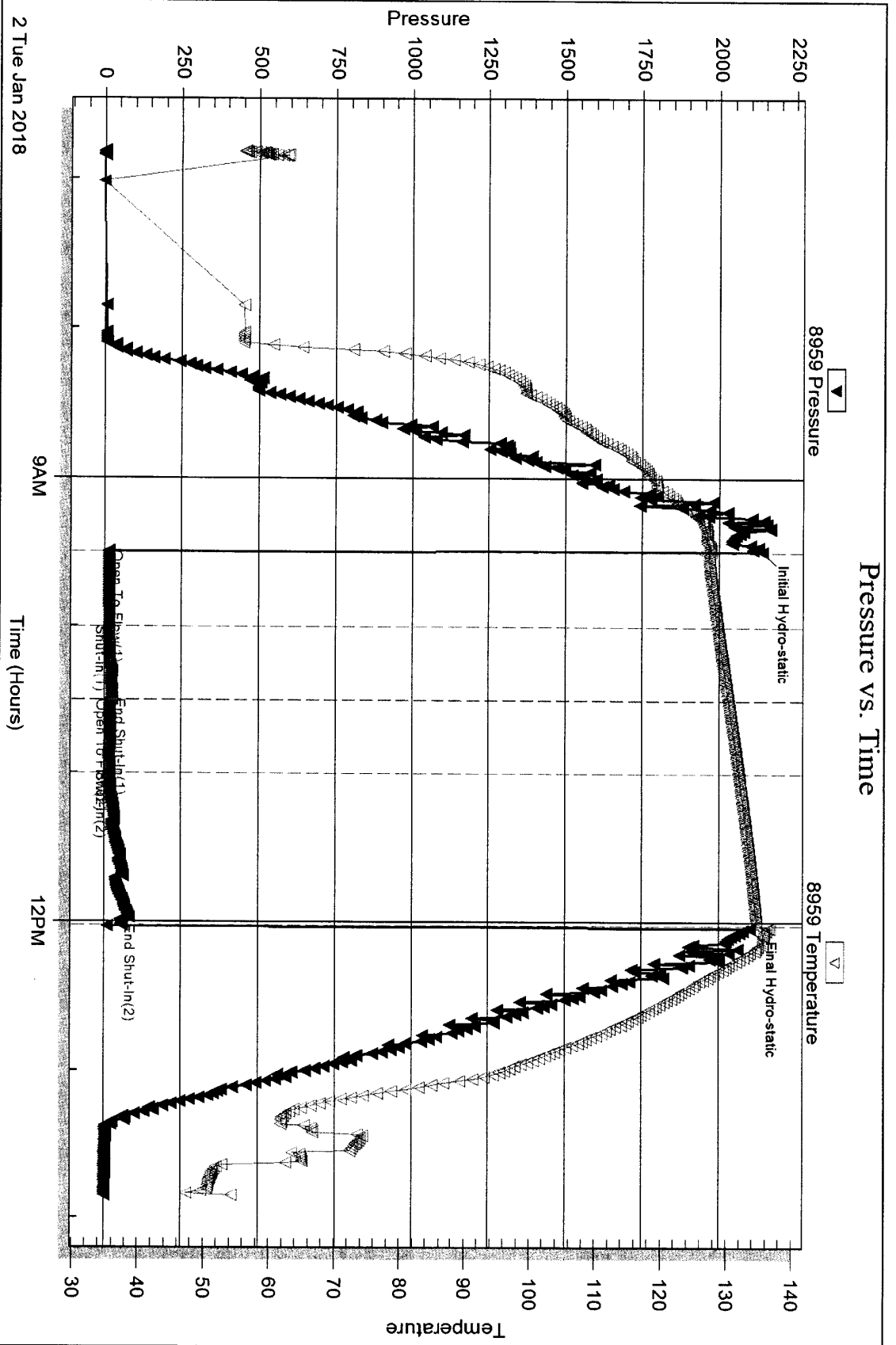
Serial #: 8959

Inside

DNR Oil & Gas INC

Rocket 42-32D

DST Test Number: 2

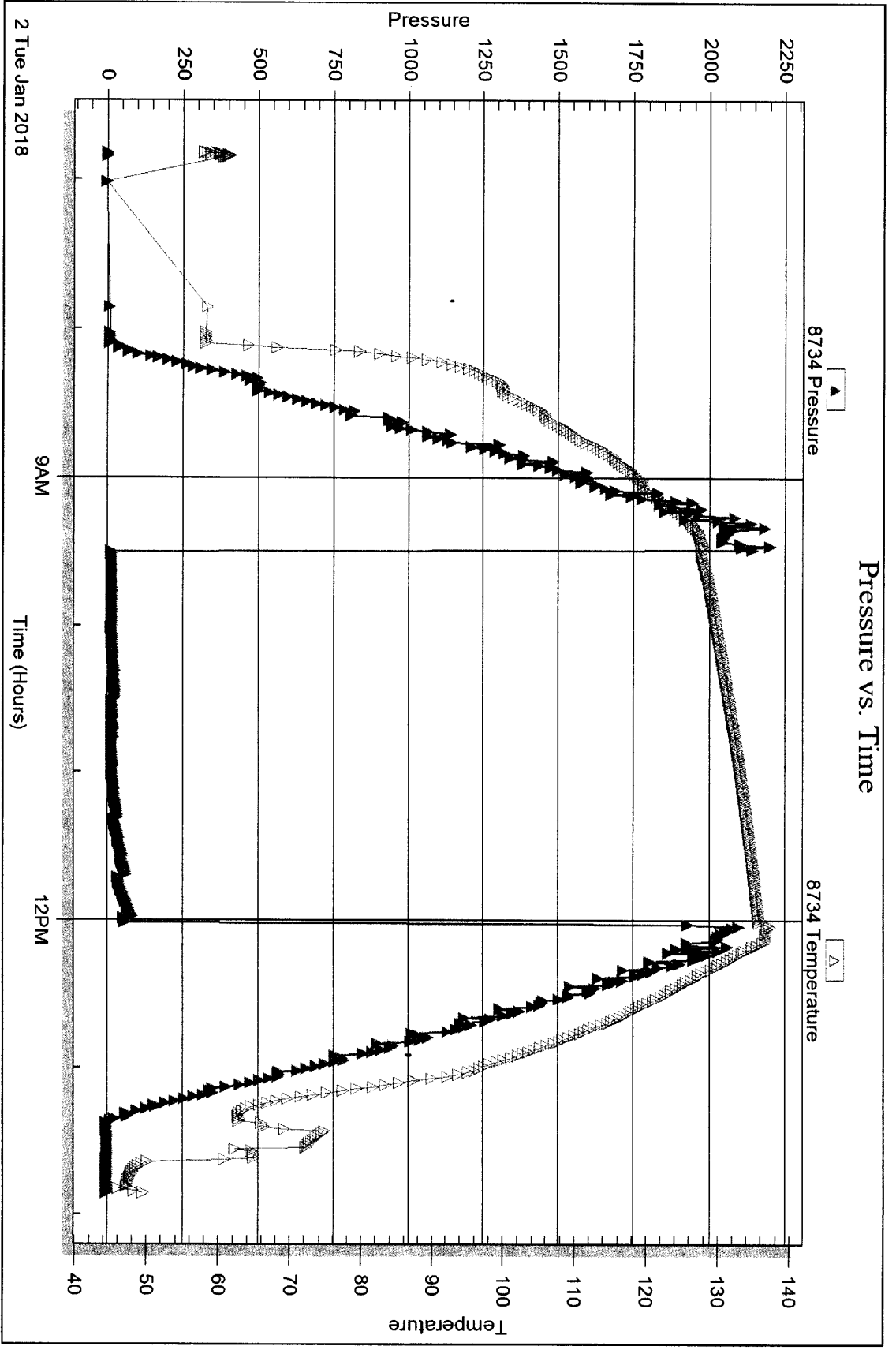


Serial #: 8734

Outside DNR Oil & Gas INC

Rocket 42-32D

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63412

Printed: 2018.01.02 @ 15:03:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas INC
 12741 E Caley
 Unit 142
 Centennial, Co 80111
 ATTN: Tim Lauer

32-1S-41W Cheyenne, KS

Rocket 42-32D

Job Ticket: 63413 **DST#: 3**
 Test Start: 2018.01.04 @ 08:34:00

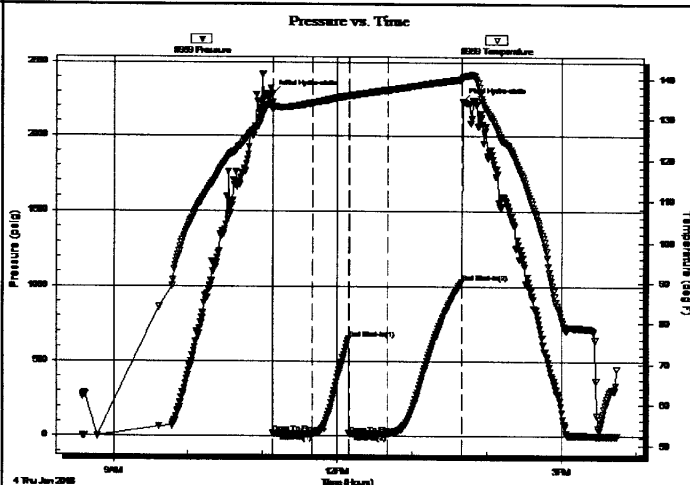
GENERAL INFORMATION:

Formation: **Lansing H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:08:30
 Time Test Ended: 15:44:50
 Interval: **4610.00 ft (KB) To 4655.00 ft (KB) (TVD)**
 Total Depth: 4655.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3531.00 ft (KB)
 3522.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8959 **Inside**
 Press@RunDepth: 17.56 psig @ 4611.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.04 End Date: 2018.01.04 Last Calib.: 2018.01.04
 Start Time: 08:34:01 End Time: 15:44:50 Time On Btm: 2018.01.04 @ 11:08:10
 Time Off Btm: 2018.01.04 @ 13:40:00

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



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2283.73	134.29	Initial Hydro-static
1	21.55	133.40	Open To Flow (1)
32	17.46	134.04	Shut-In(1)
61	648.56	135.89	End Shut-In(1)
62	18.71	135.81	Open To Flow (2)
92	17.56	137.23	Shut-In(2)
151	1029.81	139.94	End Shut-In(2)
152	2234.64	140.52	Final Hydro-static

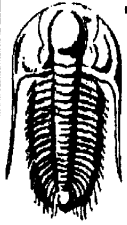
Recovery

Length (ft)	Description	Volume (bbl)
3.00	GMCO 3%G, 22%M, 75%O	0.04

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas INC
 12741 E Caley
 Unit 142
 Centennial, Co 80111
 ATTN: Tim Lauer

32-1S-.41W Cheyenne, KS

Rocket 42-32D

Job Ticket: 63413 **DST#: 3**

Test Start: 2018.01.04 @ 08:34:00

GENERAL INFORMATION:

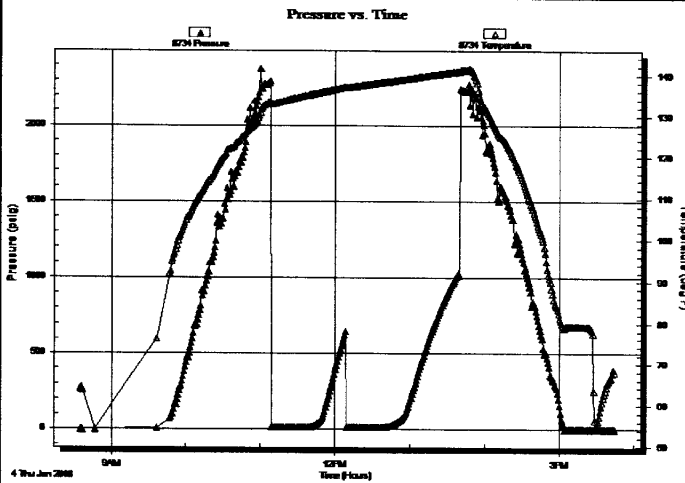
Formation: **Lansing H**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:08:30
 Time Test Ended: 15:44:50
 Interval: **4610.00 ft (KB) To 4655.00 ft (KB) (TVD)**
 Total Depth: 4655.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3531.00 ft (KB)
 3522.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8734

Outside

Press@RunDepth: psig @ 4611.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.04 End Date: 2018.01.04 Last Calib.: 2018.01.04
 Start Time: 08:34:01 End Time: 15:44:50 Time On Btm:
 Time Off Btm:

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



PRESSURE SUMMARY

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

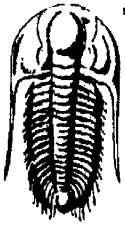
Recovery

Length (ft)	Description	Volume (bbl)
3.00	GMCO 3%G, 22%M, 75%O	0.04

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas INC

32-1S.-41W Cheyenne,KS

12741 E Caley
Unit 142
Centennial,Co 80111
ATTN: Tim Lauer

Rocket 42-32D
Job Ticket: 63413 **DST#: 3**
Test Start: 2018.01.04 @ 08:34:00

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	GMCO 3%G, 22%M, 75%O	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Not enough oil to catch gravity

Serial #: 8959

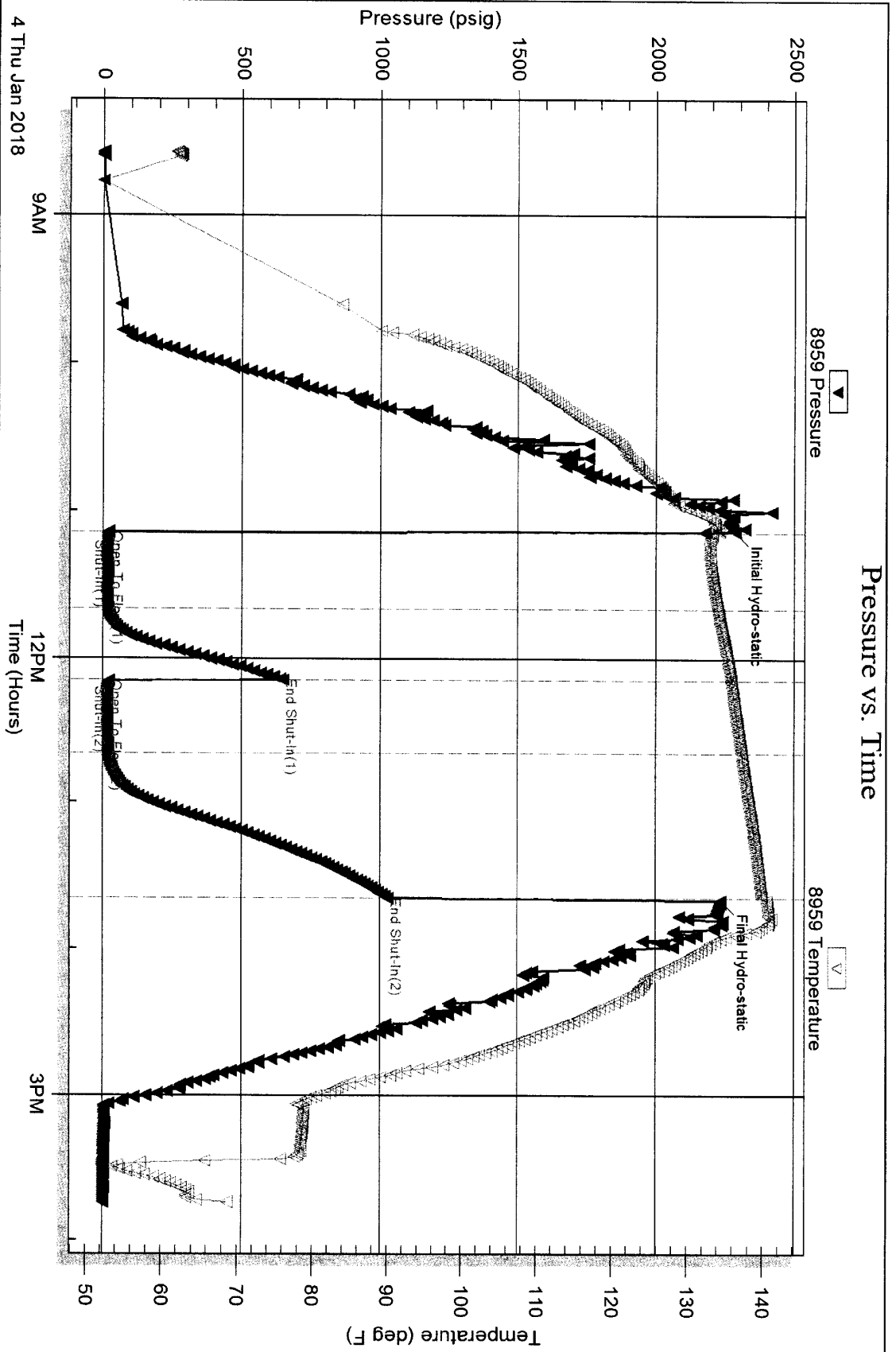
Inside

DNR Oil & Gas INC

Rocket 42-32D

DST Test Number: 3

Pressure vs. Time

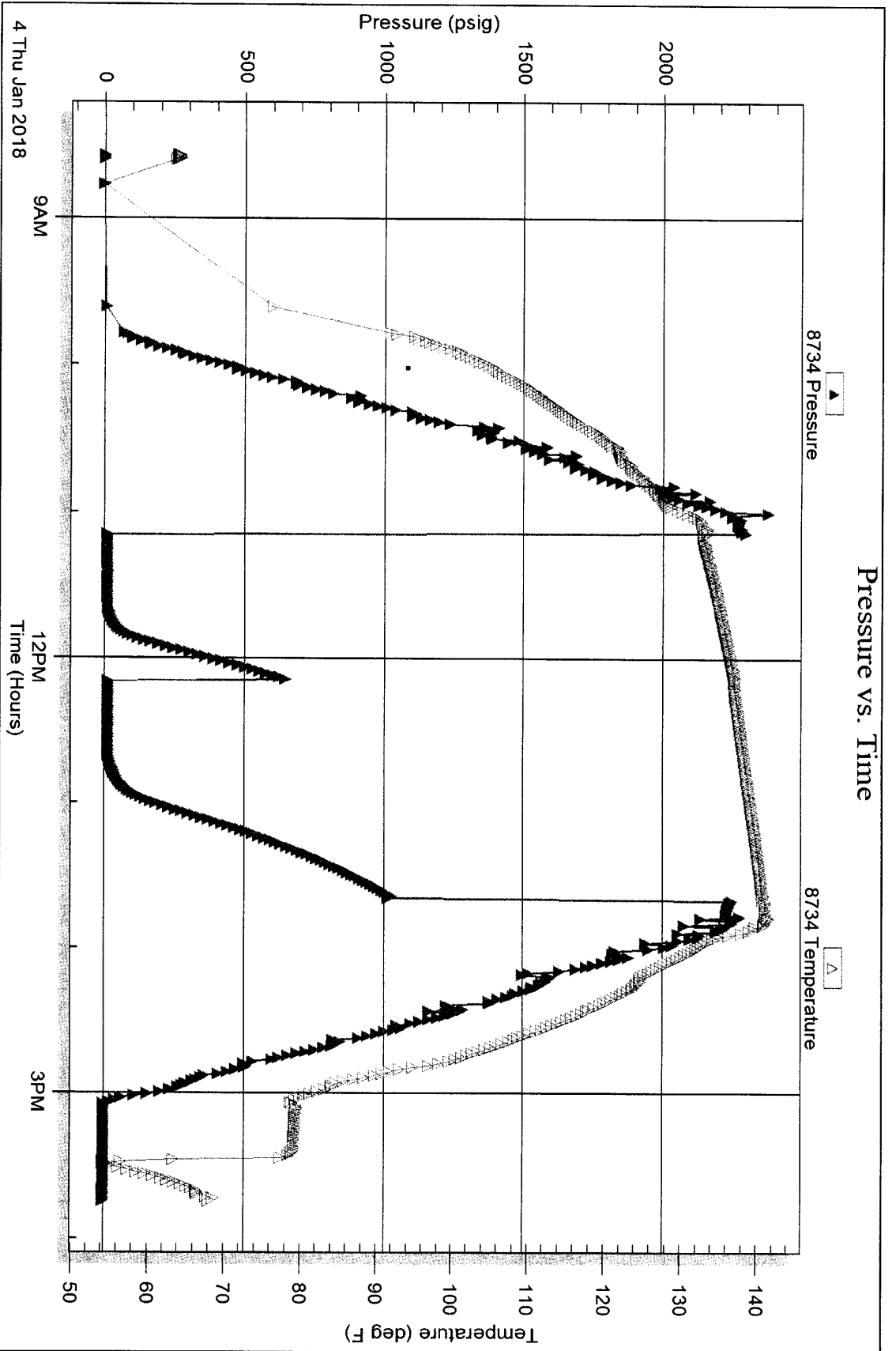


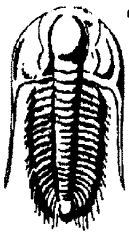
Serial #: 8734

Outside DNR Oil & Gas INC

Rocket 42-32D

DST Test Number: 3





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

DNR Oil & Gas Inc

32-1S-41W Cheyenne, KS

12741 E Caley
Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

Rocket #42-32D

Job Ticket: 63414

DST#: 4

Test Start: 2018.01.06 @ 12:57:00

GENERAL INFORMATION:

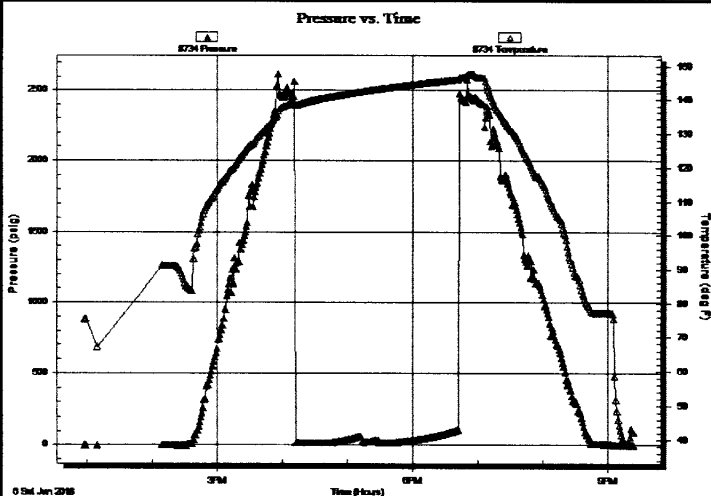
Formation: **Cherokee Lime**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 16:11:50
 Tester: Martine Salinas
 Time Test Ended: 21:23:50
 Unit No: 82
 Interval: **4955.00 ft (KB) To 5028.00 ft (KB) (TVD)**
 Reference Elevations: 3531.00 ft (KB)
 Total Depth: 5028.00 ft (KB) (TVD)
 3522.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Good
 KB to GR/CF: 9.00 ft

Serial #: **8734**

Outside

Press@RunDepth: psig @ 4956.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.06 End Date: 2018.01.06 Last Calib.: 2018.01.06
 Start Time: 12:57:01 End Time: 21:24:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IF-1/4" blow built to 1/2" @ 15 mins & died back to 1/4"
 30-IS- No blow
 30-FF- No blow
 60-FSI- No blow



PRESSURE SUMMARY

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

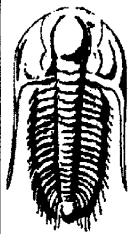
Recovery

Length (ft)	Description	Volume (bbl)
3.00	OCM 19%O, 81%M	0.04
0.00	Heavy oil in tool	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

DNR Oil & Gas Inc
12741 E Caley
Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

32-1S-41W Cheyenne, KS
Rocket #42-32D
Job Ticket: 63414 **DST#: 4**
Test Start: 2018.01.06 @ 12:57:00

Tool Information

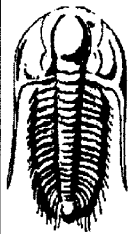
Drill Pipe:	Length: 4972.00 ft	Diameter: 3.80 inches	Volume: 69.74 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 69.74 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	37.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4955.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	73.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			4940.00	
Hydraulic tool	5.00			4945.00	
Packer	5.00			4950.00	20.00 Bottom Of Top Packer
Packer	5.00			4955.00	
Packer - Shale	0.00			4955.00	
Stubb	1.00			4956.00	
Recorder	0.00	8959	Inside	4956.00	
Recorder	0.00	8734	Outside	4956.00	
Perforations	33.00			4989.00	
Change Over Sub	1.00			4990.00	
Drill Pipe	32.00			5022.00	
Change Over Sub	1.00			5023.00	
Bullnose	5.00			5028.00	73.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

DNR Oil & Gas Inc

32-1S-41W Cheyenne,KS

12741 E Caley
Unit 142
Centennial, CO 80111
ATTN: Tim Lauer

Rocket #42-32D
Job Ticket: 63414 **DST#: 4**
Test Start: 2018.01.06 @ 12:57:00

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: 67.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	OCM 19%O, 81%M	0.042
0.00	Heavy oil in tool	0.000

Total Length: 3.00ft Total Volume: 0.042 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Not enough oil to catch gravity

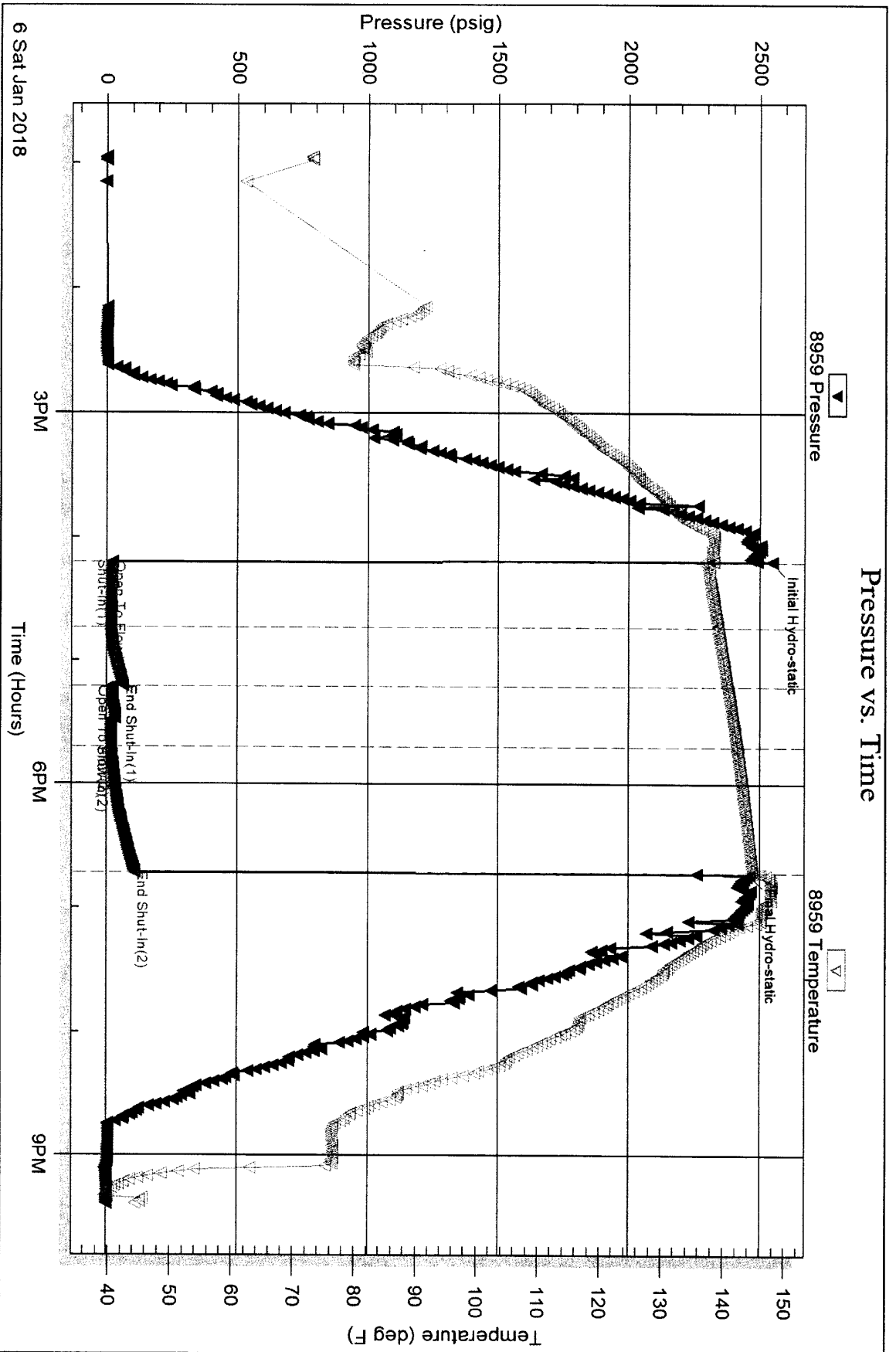
Serial #: 8959

Inside

DNR Oil & Gas Inc

Rocket #42-32D

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 63414

Printed: 2018.01.08 @ 10:45:18

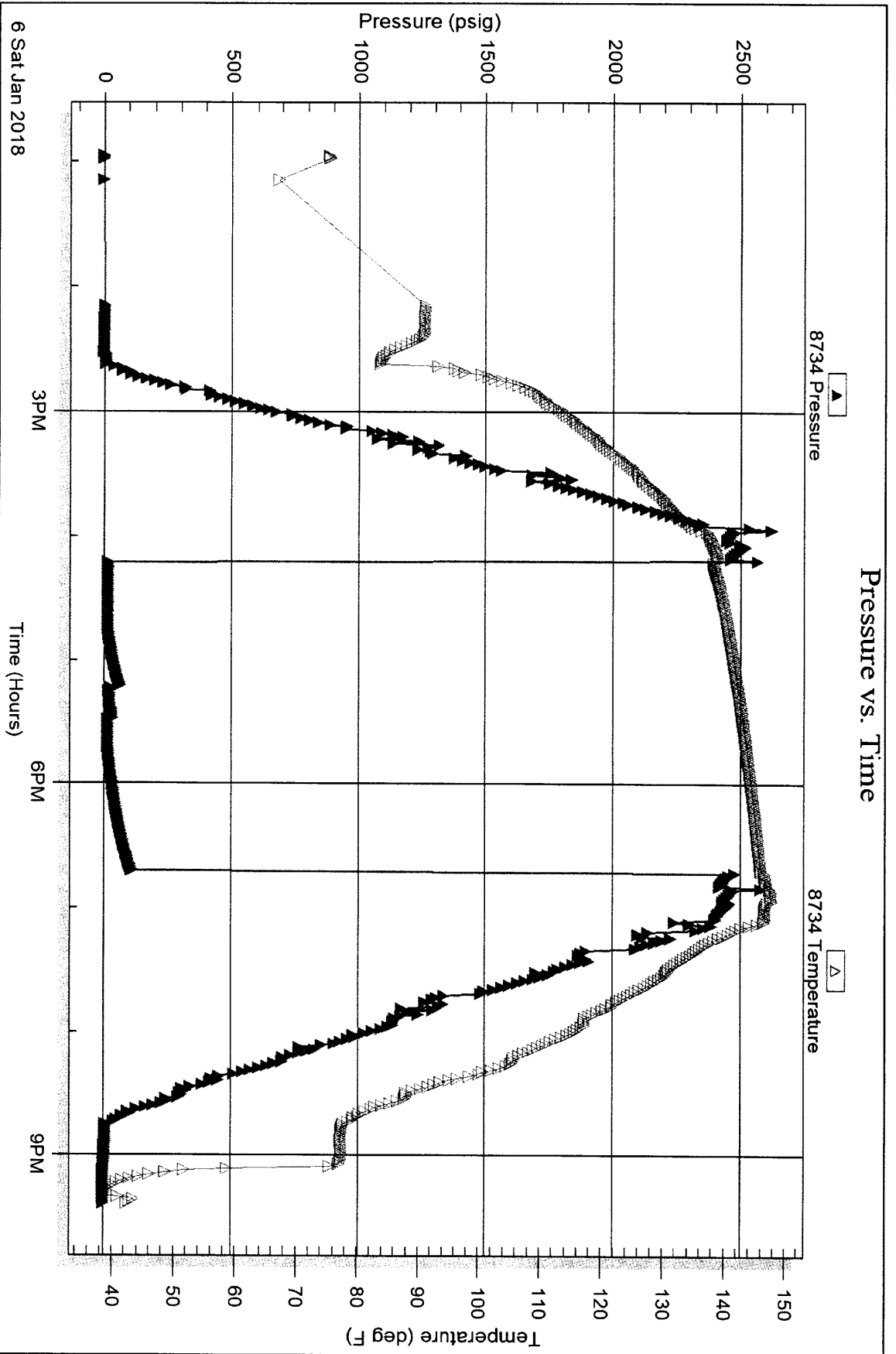
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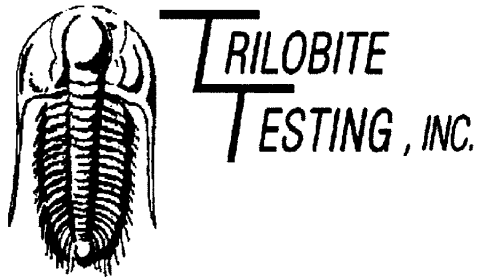
Outside

DNR Oil & Gas Inc

Rocket #42-32D

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **DNR Oil & Gas Inc**

12741 E Caley
Unit 142
Centennial, CO 80111

ATTN: Tim Lauer

Rocket #42-32D

32-1S-41W Cheyenne,KS

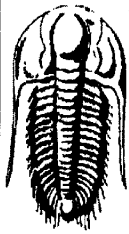
Start Date: 2018.01.06 @ 12:57:00

End Date: 2018.01.06 @ 21:23:50

Job Ticket #: 63414 DST #: 4

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.01.08 @ 10:45:15



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

DNR Oil & Gas Inc
 12741 E Caley
 Unit 142
 Centennial, CO 80111
 ATTN: Tim Lauer

32-1S-41W Cheyenne, KS
Rocket #42-32D
 Job Ticket: 63414 **DST#: 4**
 Test Start: 2018.01.06 @ 12:57:00

GENERAL INFORMATION:

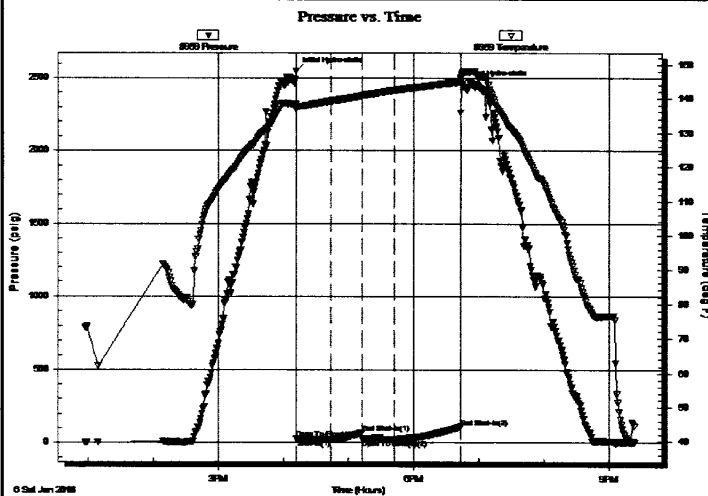
Formation: **Cherokee Lime**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 16:11:50
 Time Test Ended: 21:23:50
 Interval: **4955.00 ft (KB) To 5028.00 ft (KB) (TVD)**
 Total Depth: 5028.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Martine Salinas
 Unit No: 82
 Reference Elevations: 3531.00 ft (KB)
 3522.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8959

Inside

Press@RunDepth: 19.50 psig @ 4956.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2018.01.06 End Date: 2018.01.06 Last Calib.: 2018.01.06
 Start Time: 12:57:01 End Time: 21:23:50 Time On Btm: 2018.01.06 @ 16:11:40
 Time Off Btm: 2018.01.06 @ 18:43:20

TEST COMMENT: 30-IF-1/4" blow built to 1/2" @ 15 mins & died back to 1/4"
 30-ISI-No blow
 30-FF-No blow
 60-FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2545.37	138.47	Initial Hydro-static
1	23.46	136.63	Open To Flow (1)
32	18.22	139.26	Shut-In(1)
61	65.10	140.73	End Shut-In(1)
61	21.77	140.73	Open To Flow (2)
91	19.50	142.36	Shut-In(2)
151	108.12	144.86	End Shut-In(2)
152	2459.88	146.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	OCM 19%O, 81%M	0.04
0.00	Heavy oil in tool	0.00

* Recovery from multiple tests

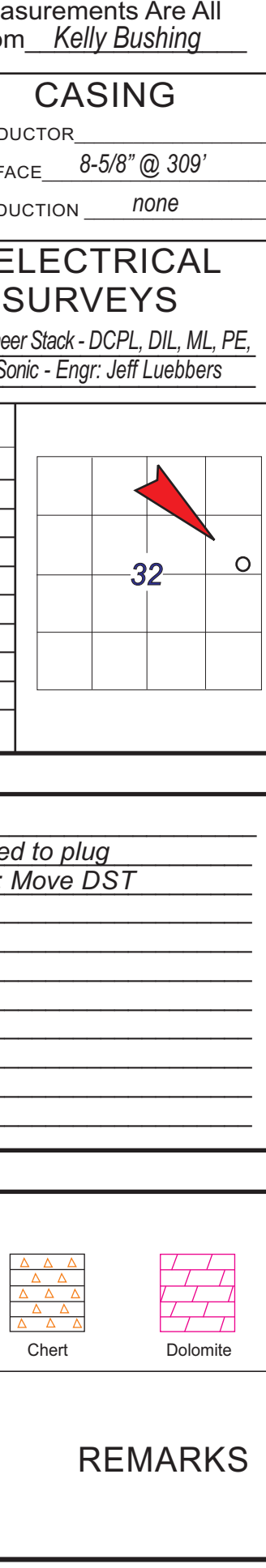
Gas Rates

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

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY	DNR Oil and Gas Inc.	ELEVATIONS	KB 3531'		
LEASE	#42-32D Rocket	DF	3531'		
FIELD	Wildcat	GL	3522'		
LOCATION	2310' FNL, 460' FEL, NE/4				
SEC	32	TWSP	1S	RGE	41W
COUNTY	Cheyenne	STATE	Kansas		
CONTRACTOR	Duke Drilling Rig #4	Measurements Are All From	Kelly Bushing		
SPUD	12-20-2017	COMP	1-8-2018		
RTD	5380'	LTD	5380'		
MUD UP	365'	TYPE MUD	Chemical		
SAMPLES SAVED FROM	3800' TO RTD	CASING			
DRILLING TIME KEPT FROM	3800' TO RTD	SURFACE	8-5/8" @ 309'		
SAMPLES EXAMINED FROM	3800' TO RTD	PRODUCTION	none		
GEOLOGICAL SUPERVISOR	FROM 3820' TO RTD	ELECTRICAL SURVEYS	Pioneer Stack - DCPL, J.L. PE, Stanc - Engr. Jeff Luebbers		
GEOLOGIST ON	Tim J. Lauer				

FORMATION TOPS	ELECTRIC LOG	SAMPLE LOG
Foraker	4068' (-537')	4066' (-535)
Topeka	4281' (-750')	4273' (-742)
Lansing	4464' (-933)	4462' (-931)
Stark	4695' (-1164)	4692' (-1160)
Marmaton	4850' (-1319)	4852' (-1321)
Pawnee	4882' (-1351)	4878' (-1347)
Cherokee Shale	4965' (-1434)	4966' (-1435)
Morrow Shale	5157' (-1626)	5149' (-1618)
Mississippi	5350' (-1819)	5347' (-1816)
Total Depth	5384' (-1853)	5380' (-1849)



REMARKS
Due to drill stem test results, and log evaluation, operator elected to plug and abandon the well without further testing the location. Note: Move DST intervals 4' downhole to match Elog measurements.

Respectfully submitted,
Tim J. Lauer
1/9/2018

LEGEND					
Anhydrite	Sandstone	Limestone	Shale	Carb Sh	Cherty LS
Chert	Dolomite				

DEPTH SAMPLE DESCRIPTION

DEPTH	SAMPLE DESCRIPTION	REMARKS
3800'	Sh, flood redbeds, rust, abundant brick red, silty-sandy IP, no St	SPUD 9:15 AM 12-20-2017 RTD 8:10 AM 1-8-2018
3800'	Sh, flood redbeds, rust, brick red, silty-sandy IP, no St or Sd	"BIT RECORD" 1) Smith FH24V (NA) 500' Under Surface to 5380 RTD
3800'	Sh, flood redbeds, rust, brick red, silty-sandy IP, no St or Sd	"VERTICAL SURVEYS" 3/4" @ 309' 0" @ 315' 0" @ 319' 1/4" @ 1791' 0" @ 2136' 0" @ 2420' 0" @ 2735' 1/4" @ 3051' 0" @ 3554' 0" @ 3961' 1" @ 4240' 1/2" @ 4300' 1/2" @ 4655' 1/2" @ 5028' 3/4" @ 5380'
3800'	Sh, flood redbeds, rust, brick red, silty-sandy IP, no St or Sd	12-19-2017 - MIRT, RURT 12-20-2017 - 7:00 AM Prep to Spud and Set surf csq then drain up.
3800'	Sh, flood redbeds, rust, brick red, silty-sandy IP, no St or Sd	12-21-17 through 12-26-17 Shut down for Christmas
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	12-27-2017 - 7:00 AM PTD @ 309' Prep to Drill set 8-5/8" @ 309'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	12-28-2017 - 7:00 AM Dng @ 1476'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	12-29-2017 - 7:00 AM Dng @ 2965'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	12-30-2017 - 7:00 AM Dng @ 3668'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	12-31-2017 - 7:00 AM Dng @ 3975'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-1-2018 - 7:00 AM PTD @ 4240' Running DST(1)
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-2-2018 - 7:00 AM PTD @ 4300' Running DST(2)
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-3-2018 - 7:00 AM Dng @ 4450'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-5-2018 - 7:00 AM Dng @ 4780'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-6-2018 - 7:00 AM CFS @ 5028' Prep for DST(4)
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-7-2018 - 7:00 AM Dng @ 5150'
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-8-2018 - 8:00 AM RTD @ 5380' Prep to run Pioneer OH Elogs
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	1-9-2018 - 7:00 AM RTD @ 5380' Plugged and Abndrd Location
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Call Point 3500' 12:00 AM 12-30-2017 Geologist on location 3820' 3:50 PM 12-30-2015
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	41 Stand Short Trip @ 3961' 1) Smith FH24V (NA) 500' on stands 1-4, 14-23, 34-38
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 4057: vis: 57 wt: 8.8 Chlor: 500 LCM: 5.5# Ph: 11.0 WL: 6.4
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Rig Check vis: 64 wt: 9.0 LCM: 3.5#
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 4240 (during DST): vis: 56 wt: 9.2 Chlor: 500 LCM: 7# Ph: 9.0 WL: 8.0
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	DST (1) 4181' - 4240' 30-30-30-60 Blow weak, built to 1" on IFP, no blowback on ISIP, no blow on FFP, no blowback on FSIP
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	5' Mud (0% gas, 0% oil, 100% mud, 0% wt) IHP: 2126 FFP: 22-23 IFP: 16-17 FSP: 59 ISIP: 41 FHP: 7021
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Temp: 134F Chlorides: Mud: 500 PPM DST NA Rw = NA
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Pipe Strap on DST (1) Duff: 4243.07" Strap: 4245.10" Blot: 2.17" long
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	DST (2) 4256' - 4300' 30-30-30-60 Blow weak, built to 1" on IFP, no blowback on ISIP, no blow on FFP, no blowback on FSIP
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	No Fluid Recovered* IHP: 2138 FFP: 17-18 IFP: 16-17 FSP: 59 ISIP: 26 FHP: 2100
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Temp: 137F Chlorides: Mud: 500 PPM DST NA Rw = NA
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	*Note: While no fluid was recovered, the test was still valid. Failure of production material led to fluid draining out of foot. The absence of significant SIP indicates lack of reservoir. Further testing of this zone is not recommended. The production material and shut-in tools will be replaced for subsequent testing.
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 4300 (during DST): vis: 60 wt: 9.3 Chlor: 500 LCM: 6# Ph: 11.0 WL: 6.4
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Rig Check vis: 60 wt: 9.2 LCM: #
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	DST (3) 4256' - 4300' 30-30-30-60 Blow weak, built to 1" on IFP, no blowback on ISIP, no blow on FFP, no blowback on FSIP
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	3' GMC (2% gas, 20% oil, 78% mud, 0% wt) IHP: 2284 FFP: 19-18 IFP: 22-17 FSP: 1000 ISIP: 649' FHP: 2235
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Temp: 141F Chlorides: Mud: 500 PPM DST NA Rw = NA
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	*Note: Both shut-in curves still bleed
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 4655 (during DST): vis: 57 wt: 9.3 Chlor: 500 LCM: 5# Ph: 11.0 WL: 6.4
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Rig Check vis: 55 wt: 9.2 LCM: #
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	DST (3) 4610' - 4655' 30-30-30-60 Blow weak, built to 1/2" on IFP, no blowback on ISIP, no blow on FFP, no blowback on FSIP
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	3' GMC (2% gas, 20% oil, 78% mud, 0% wt) IHP: 2284 FFP: 19-18 IFP: 22-17 FSP: 1000 ISIP: 649' FHP: 2235
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Temp: 141F Chlorides: Mud: 500 PPM DST NA Rw = NA
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	*Note: Both shut-in curves still bleed
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 4655 (during DST): vis: 57 wt: 9.3 Chlor: 500 LCM: 5# Ph: 11.0 WL: 6.4
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Rig Check vis: 60 wt: 9.4 LCM: #
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	DST (4) 4955' - 5028' 30-30-30-60 Blow weak, built to 1/2" on IFP, no blowback on FFP, no blowback on FSIP
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	3' GMC (0% gas, 19% oil, 81% mud, 0% wt) IHP: 2645 FFP: 22-20 IFP: 23-18 FSP: 1080 ISIP: 654' FHP: 2460
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Temp: 146F Chlorides: Mud: 500 PPM DST NA Rw = NA
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	*Note: Both shut-in curves still bleed
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 5028 (during DST): vis: 67 wt: 9.3 Chlor: 500 LCM: 3# Ph: 10.0 WL: 7.2
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Rig Check vis: 63 wt: 9.4 LCM: #
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	DST (4) 4955' - 5028' 30-30-30-60 Blow weak, built to 1/2" on IFP, no blowback on FFP, no blowback on FSIP
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	3' GMC (0% gas, 19% oil, 81% mud, 0% wt) IHP: 2645 FFP: 22-20 IFP: 23-18 FSP: 1080 ISIP: 654' FHP: 2460
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Temp: 146F Chlorides: Mud: 500 PPM DST NA Rw = NA
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	*Note: Both shut-in curves still bleed
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	Mud Check at 5380 (during DST): vis: 67 wt: 9.3 Chlor: 500 LCM: 4.0# Ph: 10.5 WL: 7.6
3800'	Sh, redbeds, rust, brick red, silty-sandy, no ch LS or Sd	RTD 8:10 AM Jan 8, 2018

COMPANY & WELL	DNR Oil & Gas Inc #42-32D Rocket	ELEVATIONS	KB 3531'		
LOCATION	2310' FNL, 460' FEL, NE/4	DF	3531'		
SEC	32	TWSP	1S	RGE	41W
COUNTY	Cheyenne	STATE	Kansas		

