

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (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:	
----------------	-------	---------	------------	--



DRILL STEM TEST REPORT

Prepared For: **New Age Oil LLC**

1563 Ridge Rd
Hays KS 67601

ATTN: Logan Behr

Bunker #3

24-12S-22W Trego,KS

Start Date: 2021.05.01 @ 08:18:00

End Date: 2021.05.01 @ 15:10:00

Job Ticket #: 67187 DST #: 1

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

Printed: 2021.05.03 @ 10:54:27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

New Age Oil LLC

24-12S-22W Trego, KS

1563 Ridge Rd
Hays KS 67601

Bunker #3

Job Ticket: 67187

DST#: 1

ATTN: Logan Behr

Test Start: 2021.05.01 @ 08:18:00

GENERAL INFORMATION:

Formation: **Toronto - LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:21:00

Time Test Ended: 15:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: 3590.00 ft (KB) To 3710.00 ft (KB) (TVD)

Reference Elevations: 2347.00 ft (KB)

Total Depth: 3710.00 ft (KB) (TVD)

2342.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8671 Outside

Press@RunDepth: 509.64 psig @ 3591.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.05.01 End Date: 2021.05.01

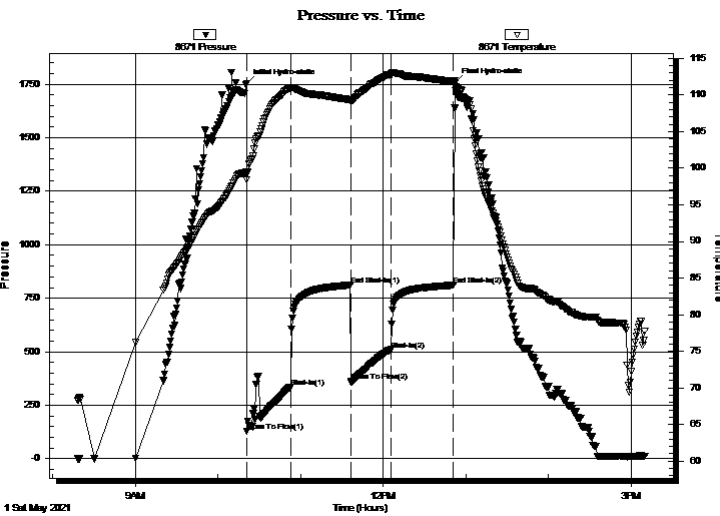
Last Calib.: 2021.05.01

Start Time: 08:18:05 End Time: 15:09:59

Time On Btm: 2021.05.01 @ 10:20:45

Time Off Btm: 2021.05.01 @ 12:52:00

TEST COMMENT: 30 - IF - B.o.B. in 2 mins
45 - ISI - No Return
30 - FF - B.o.B. in 3 mins.
45 - FSI - Return Built up to 1 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.59	99.41	Initial Hydro-static
1	128.18	98.46	Open To Flow (1)
32	335.33	110.96	Shut-In(1)
76	811.93	109.35	End Shut-In(1)
76	360.48	109.08	Open To Flow (2)
105	509.64	112.78	Shut-In(2)
151	810.91	111.84	End Shut-In(2)
152	1757.49	111.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	OCW - 20%o - 80%w	3.06
779.00	GOCMW - 10%g - 20%o - 20%m - 50%w	7.99
0.00	189 - gip	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

New Age Oil LLC

24-12S-22W Trego,KS

1563 Ridge Rd
Hays KS 67601

Bunker #3

Job Ticket: 67187

DST#: 1

ATTN: Logan Behr

Test Start: 2021.05.01 @ 08:18:00

Tool Information

Drill Pipe:	Length: 3568.62 ft	Diameter: 3.25 inches	Volume: 36.62 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.38 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 82000.00 lb
			<u>Total Volume: 36.77 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 61000.00 lb
Depth to Top Packer:	3590.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	120.00 ft			
Tool Length:	140.00 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			3575.00	
Hydraulic tool	5.00			3580.00	
Packer	5.00			3585.00	20.00 Bottom Of Top Packer
Packer	5.00			3590.00	
Stubb	1.00			3591.00	
Recorder	0.00	8673	Inside	3591.00	
Recorder	0.00	8671	Outside	3591.00	
perforations	21.00			3612.00	
Change Over Sub	1.00			3613.00	
Drill Pipe	93.00			3706.00	
Change Over Sub	1.00			3707.00	
Bullnose	3.00			3710.00	120.00 Bottom Packers & Anchor

Total Tool Length: 140.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

New Age Oil LLC

24-12S-22W Trego,KS

1563 Ridge Rd
Hays KS 67601

Bunker #3

Job Ticket: 67187

DST#: 1

ATTN: Logan Behr

Test Start: 2021.05.01 @ 08:18:00

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: 7.98 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
315.00	OCW - 20%o - 80%w	3.064
779.00	GOCMW - 10%g - 20%o - 20%m - 50%w	7.993
0.00	189 - gip	0.000

Total Length: 1094.00 ft Total Volume: 11.057 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

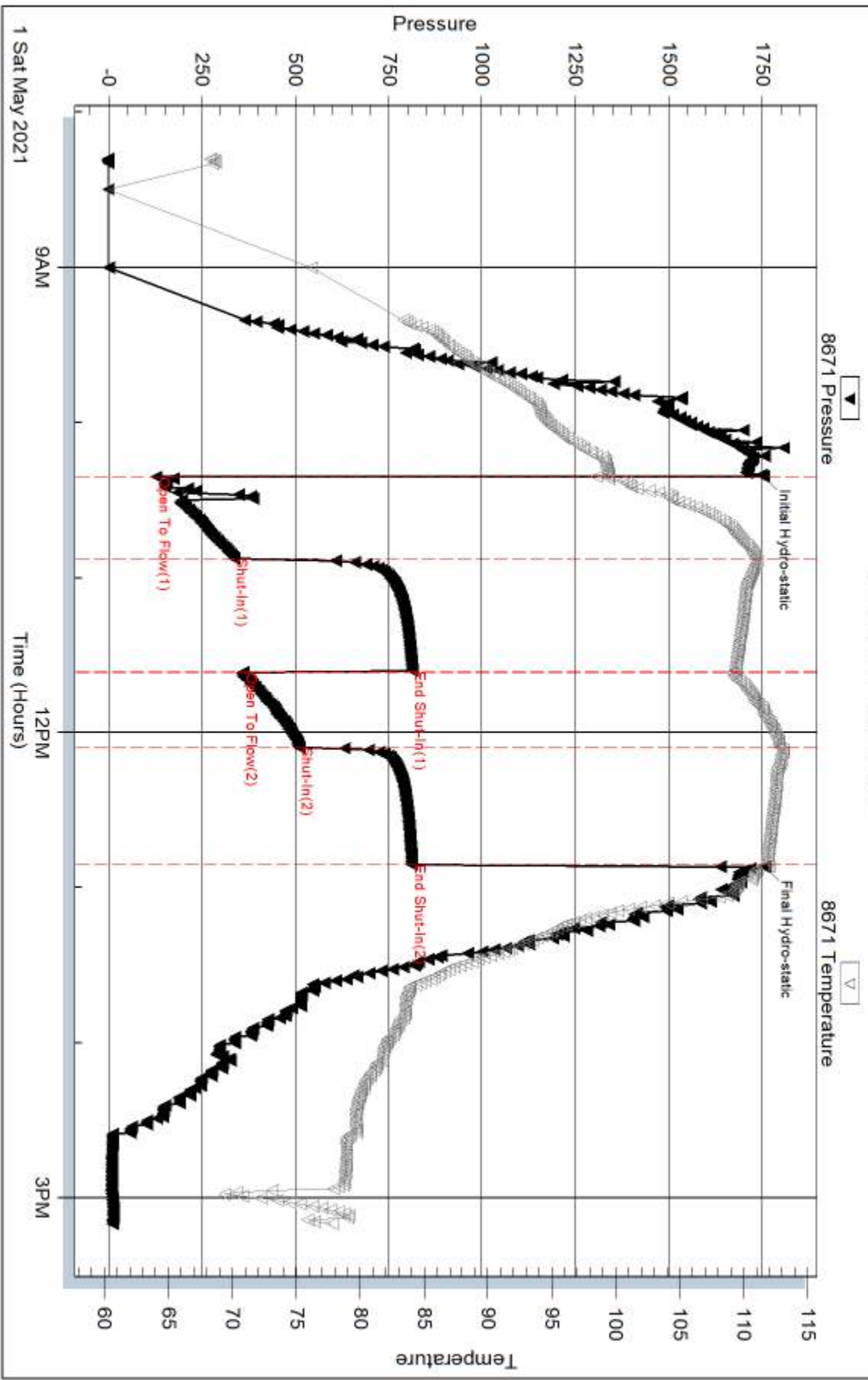
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **New Age Oil LLC**

1563 Ridge Rd
Hays KS 67601

ATTN: Logan Behr

Bunker #3

24-12S-22W Trego,KS

Start Date: 2021.05.02 @ 16:16:00

End Date: 2021.05.02 @ 23:19:15

Job Ticket #: 67188 DST #: 2

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

Printed: 2021.05.03 @ 10:53:22



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

New Age Oil LLC

24-12S-22W Trego, KS

1563 Ridge Rd
Hays KS 67601

Bunker #3

Job Ticket: 67188

DST#: 2

ATTN: Logan Behr

Test Start: 2021.05.02 @ 16:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:41:30

Time Test Ended: 23:19:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: 77

Interval: 3995.00 ft (KB) To 4060.00 ft (KB) (TVD)

Reference Elevations: 2347.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

2342.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8671 Outside

Press@RunDepth: 24.08 psig @ 3996.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.05.02 End Date: 2021.05.02

Last Calib.: 2021.05.02

Start Time: 16:16:05 End Time: 23:19:14

Time On Btm: 2021.05.02 @ 18:40:45

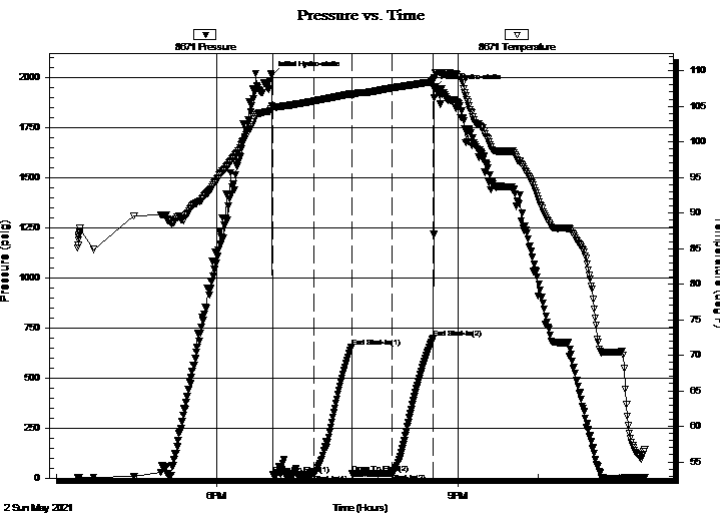
Time Off Btm: 2021.05.02 @ 20:41:45

TEST COMMENT: 30 - IF - Blow started out weak and built to 1/4"

30 - ISI - No Return

30 - FF - No Blow

30 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.80	105.11	Initial Hydro-static
1	17.01	104.94	Open To Flow (1)
32	20.92	105.72	Shut-In(1)
60	653.05	106.75	End Shut-In(1)
60	21.89	106.48	Open To Flow (2)
90	24.08	107.56	Shut-In(2)
121	699.39	108.43	End Shut-In(2)
121	1945.01	108.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100% m	0.02

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

New Age Oil LLC

24-12S-22W Trego,KS

1563 Ridge Rd
Hays KS 67601

Bunker #3

Job Ticket: 67188

DST#: 2

ATTN: Logan Behr

Test Start: 2021.05.02 @ 16:16:00

Tool Information

Drill Pipe:	Length: 3949.62 ft	Diameter: 3.25 inches	Volume: 40.53 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.38 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	70000.00 lb
			<u>Total Volume: 40.68 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	3995.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	65.00 ft				
Tool Length:	85.00 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			3980.00	
Hydraulic tool	5.00			3985.00	
Packer	5.00			3990.00	20.00 Bottom Of Top Packer
Packer	5.00			3995.00	
Stubb	1.00			3996.00	
Recorder	0.00	8354	Inside	3996.00	
Recorder	0.00	8671	Outside	3996.00	
perforations	28.00			4024.00	
Change Over Sub	1.00			4025.00	
Drill Pipe	31.00			4056.00	
Change Over Sub	1.00			4057.00	
Bullnose	3.00			4060.00	65.00 Bottom Packers & Anchor

Total Tool Length: 85.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

New Age Oil LLC

24-12S-22W Trego,KS

1563 Ridge Rd
Hays KS 67601

Bunker #3

Job Ticket: 67188

DST#: 2

ATTN: Logan Behr

Test Start: 2021.05.02 @ 16:16:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud - 100%m	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

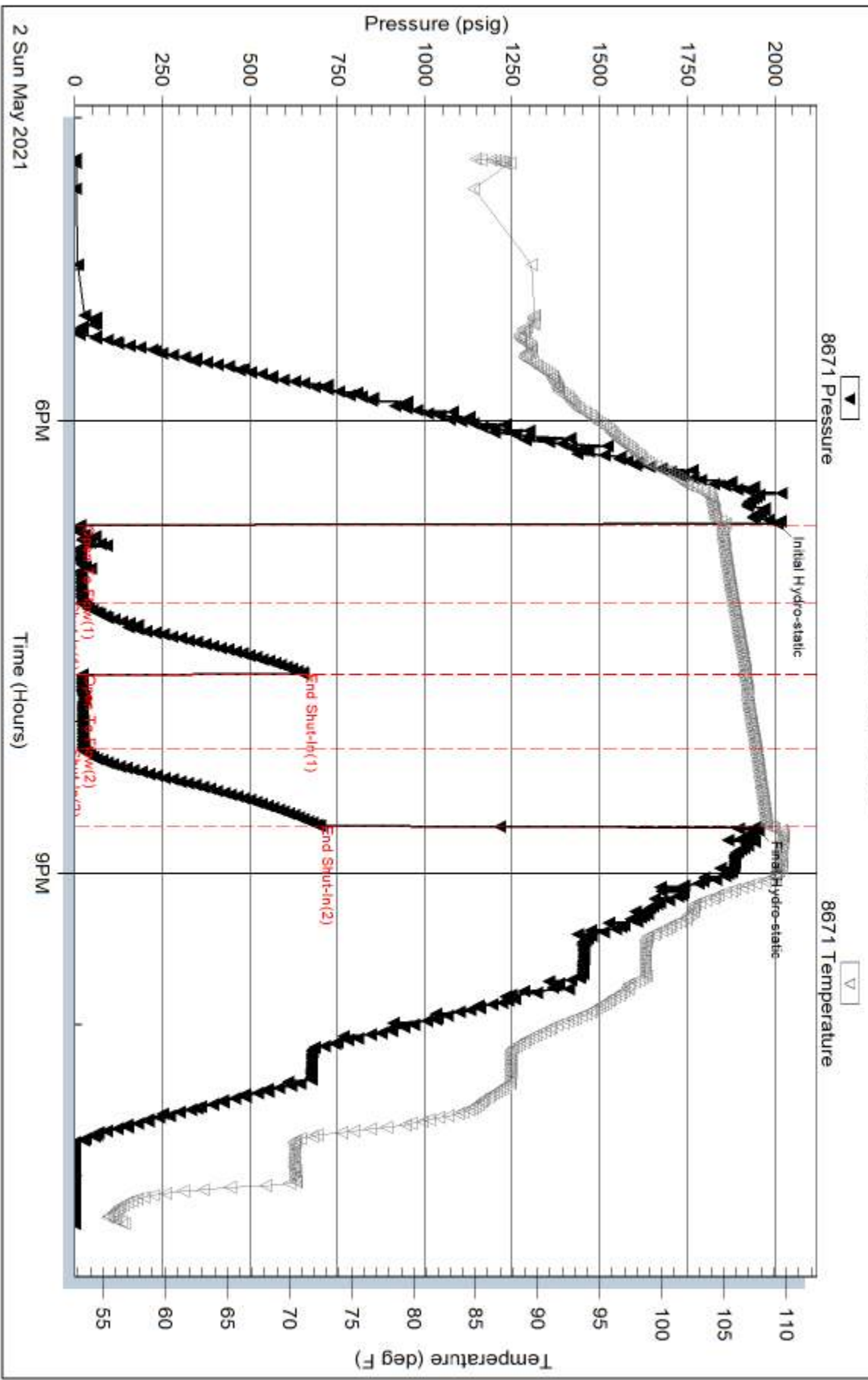
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 8354

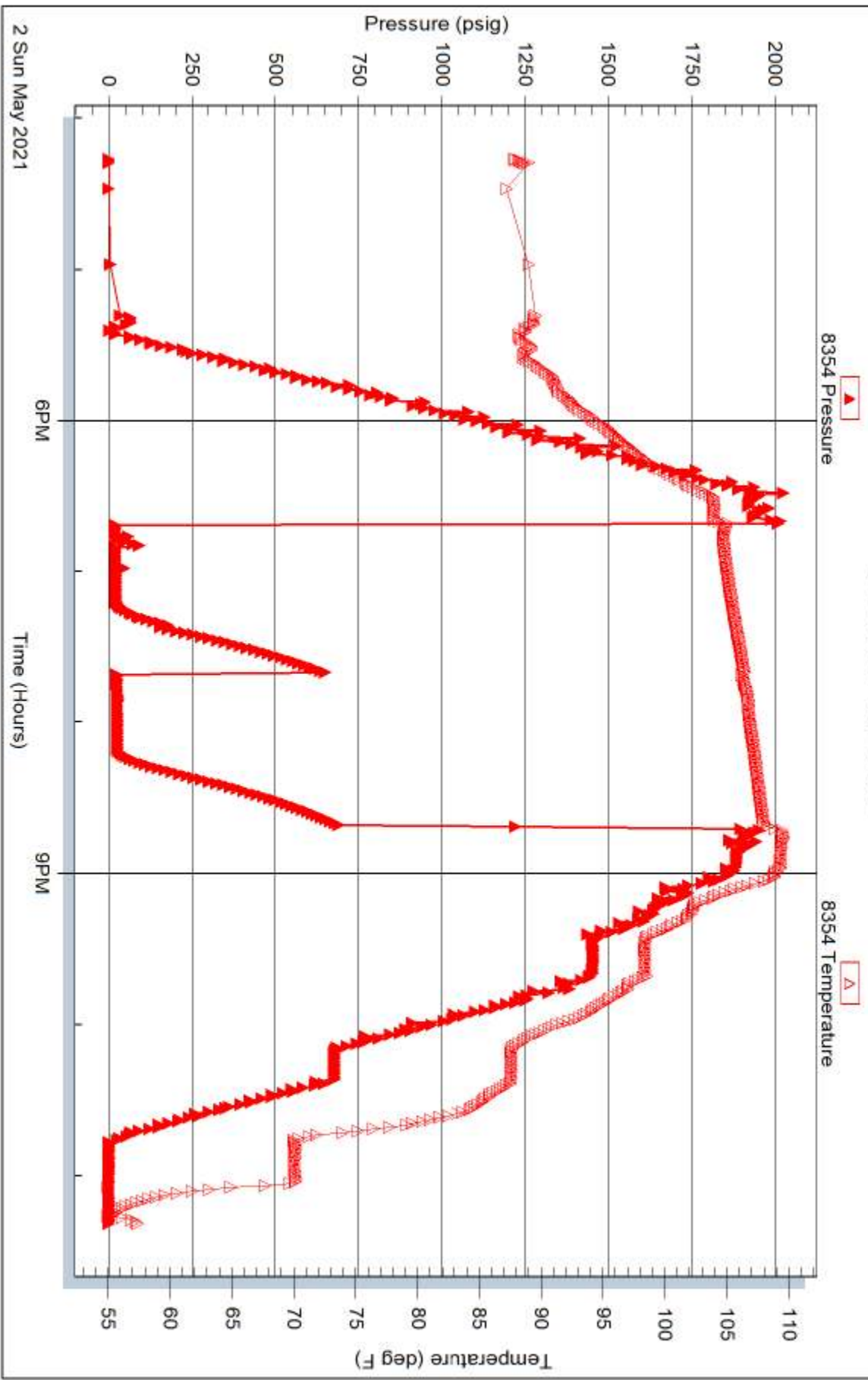
Inside

New Age Oil LLC

Bunker #3

DST Test Number: 2

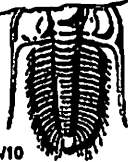
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 67188

Printed: 2021.05.03 @ 10:53:23



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67187

Well Name & No. Bunker #3 Test No. 1 Date 5-1-21
 Company New Age Oil LLC Elevation 2347 KB 2342 GL
 Address 1563 Ridge Rd Hays ks 67601
 Co. Rep / Geo. Loon Bear Rig Discovery #4
 Location: Sec. 24 Twp 12s Rge. 24W Co. Tr State _____

Interval Tested 3590-3710 Zone Tested Toc-1kc-E
 Anchor Length 120 Drill Pipe Run 3568.12 Mud Wt. 8.9
 Top Packer Depth 3585 Drill Collars Run 31.38 Vis 52
 Bottom Packer Depth 3590 Wt. Pipe Run 0 WL 8
 Total Depth 3710 Chlorides 3000 ppm System LCM 3#

Blow Description FF-Bo.B in 2 mins
ISI- No Return
FF-Bo.B in 3 mins
ISI-Return built to 1 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>35'</u>	<u>OSW</u>	<u>20</u>	<u>80W</u>		
<u>776'</u>	<u>OCW</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>20</u>
<u>189'</u>	<u>-GIP</u>				
_____	_____	%gas	%oil	%water	%mud
_____	_____	%gas	%oil	%water	%mud

Rec Total 1091 BHT 112°F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1752 Test Successful 1200 T-On Location 6:30 am
 (B) First Initial Flow 128 Jars _____ T-Started 8:18 am
 (C) First Final Flow 335 Safety Joint _____ T-Open 10:21 am
 (D) Initial Shut-In 811 Circ Sub _____ T-Pulled 12:48 pm
 (E) Second Initial Flow 360 Hourly Standby _____ T-Out 3:06 pm
 (F) Second Final Flow 509 Mileage 60 RT 75 Comments _____
 (G) Final Shut-In 810 Sampler _____
 (H) Final Hydrostatic 1757 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

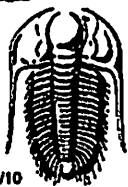
Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Sub Total 0
 Total 1275
 Sub Total 1275

Approved By _____ Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or 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.

785-303-0902



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 67188

Well Name & No. Bunker #3 Test No. 2 Date 5-2-21
 Company New Age Oil LLC Elevation 2347 KB 2342 GL
 Address 1565 Ridge Rd Hays ks 67601
 Co. Rep / Geo. Loan Bear Rig Discovery #4
 Location: Sec. 24 Twp 12S Rge. 22W Co. Trego State ks

Interval Tested 3995 - 4060 Zone Tested Arbuckite
 Anchor Length 105 Drill Pipe Run 3949.62 Mud Wt. 9.1
 Top Packer Depth 3990 Drill Collars Run 31.38 Vis 53
 Bottom Packer Depth 3995 Wt. Pipe Run 0 WL 9.2
 Total Depth 4060 Chlorides 4000 ppm System LCM 2.5#

Blow Description IF - Blow started out weak and built to 1/4"
ISI - No Return
FF - No Blow
FST - No Return

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud</u>			<u>100</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 108F Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2007 Test Successful 1300 T-On Location 3:30pm
 (B) First Initial Flow 17 Jars _____ T-Started 4:16pm
 (C) First Final Flow 20 Safety Joint _____ T-Open 4:41pm
 (D) Initial Shut-In 1053 Circ Sub _____ T-Pulled 8:41pm
 (E) Second Initial Flow 21 Hourly Standby _____ T-Out 11:20pm
 (F) Second Final Flow 24 Mileage 60 RTT 75 Comments _____
 (G) Final Shut-In 1099 Sampler _____
 (H) Final Hydrostatic 1945 Straddle _____ EM Tool _____
 Shale Packer _____ Ruined Shale Packer _____
 Extra Packer _____ Ruined Packer _____
 Extra Recorder _____ Extra Copies _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Sub Total 1375 MP/BST Disc't _____

Approved By _____ Our Representative [Signature]

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.



Joshua R. Austin

Petroleum Geologist

report for

NEW AGE OIL, LLC.



COMPANY: New Age Oil, LLC.

LEASE: Bunker # 3

FIELD: Unnamed

LOCATION: SE-NW-NW-SE
2200' FSL & 2200' FEL

SEC: 24 **TWSP:** 12s **RGE:** 22w

COUNTY: Trego **STATE:** Kansas

KB: 2347' **GL:** 2339'

API # 15-195-23117-00-00

CONTRACTOR: Discovery Drilling LLC Rig #4

Spud: 4/27/2021 **Comp:** 5/3/2021

RTD: 4060' **LTD:** 4060'

Mud Up: 3220' **Type Mud:** Chemical was displaced

Samples Saved From: 3300' to RTD

Drilling Time Kept From: 3300' to RTD

Samples Examined From: 3300' to RTD

Geological Supervision From: 3300' to RTD

Geologist on Well: Logan Behr & Josh Austin

Surface Casing: 8 5/8" @ 221'

Production Casing: 5 1/2" @ 4058'

Electronic Surveys: Midwest Wireline

NOTES

On the basis of the positive structural position, shows in the samples and after consideration of DST #1, it was recommended by all parties involved in the Bunker #3 to set 5 1/2" production casing to further test the Marmaton and Lansing zones.

Respectfully submitted,
Josh Austin

NEW AGE OIL LLC

well comparison sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL				COMPARISON WELL			
Bunker #3					Ziegler 1				Bunker 2				Sherfick South 24-66			
2347 KB					2354 KB				2349 KB				2345 KB			
					Structural Relationship				Structural Relationship				Structural Relationship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log	Sample	Sub-Sea	Sample	Log
Anhydrite	1768	579	1768	579	1773	581	-2	-2	1769	580	-1	-1	1774	571	8	8
Topeka	3377	-1030	3377	-1030	3380	-1026	-4	-4	3378	-1029	-1	-1	3383	-1038	8	8
Heebner	3596	-1249	3594	-1247	3600	-1246	-3	-1	3596	-1247	-2	0	3601	-1256	7	9
Toronto	3619	-1272	3614	-1267	3623	-1269	-3	2	3620	-1271	-1	4				
Lansing	3633	-1286	3627	-1280	3636	-1282	-4	2	3632	-1283	-3	3	3634	-1289	3	9
Base KC	3872	-1525	3870	-1523	3876	-1522	-3	-1	3877	-1528	3	5	3879	-1534		11
Marmaton	3959	-1612	3951	-1604	3962	-1608	-4	4	3962	-1613	1	9	3958	-1613	1	9
Conglomerate	4010	-1663	4004	-1657					4012	-1663	0	6				
Arbuckle	4056	-1709			4045	-1691	-18		N/A				4059	-1714	5	
Total Depth	4060	-1713	4060	-1713	4050	-1696			4060	-1711			4100	-1755		



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

New Age Oil LLC

24 - 12S - 22W

1563 Ridge Rd
Hays Ks 676011

Bunker #3

Job Ticket: 67187

DST#: 1

ATTN: Logan Bear

Test Start: 2021.05.01 @ 08:18:00

GENERAL INFORMATION:

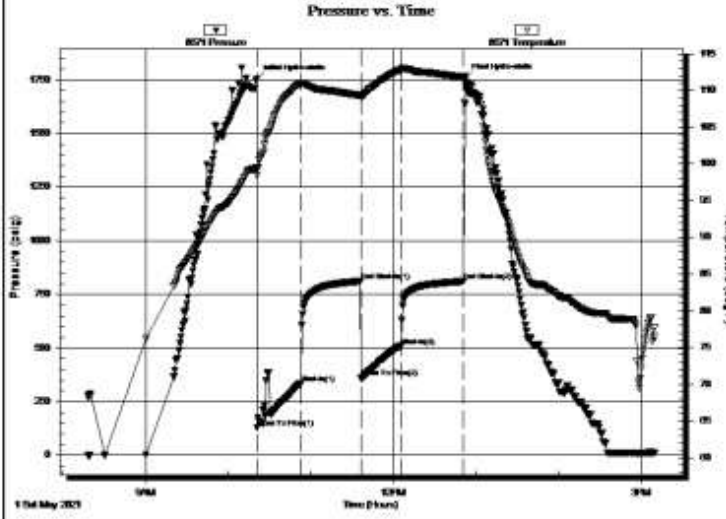
Formation: **Tor. - LCK - E**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:21:00
 Time Test Ended: 15:10:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Royal Fisher
 Unit No: #77
 Interval: **3590.00 ft (KB) To 3710.00 ft (KB) (TVD)**
 Reference Elevations: 2347.00 ft (KB)
 Total Depth: 3710.00 ft (KB) (TVD)
 2342.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Poor
 KB to GR/CF: 5.00 ft

Serial #: 8671

Outside

Press@RunDepth: 509.64 psig @ 3591.00 ft (KB)
 Capacity: 8000.00 psig
 Start Date: 2021.05.01
 End Date: 2021.05.01
 Last Calib.: 2021.05.01
 Start Time: 08:18:05
 End Time: 15:09:59
 Time On Btm: 2021.05.01 @ 10:20:45
 Time Off Btm: 2021.05.01 @ 12:52:00

TEST COMMENT: 30 - IF - B.o.B. in 2 mins
 45 - ISI - No Return
 30 - FF - B.o.B. in 3 mins.
 45 - FSI - Return Built up to 1 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.59	99.41	Initial Hydro-static
1	128.18	98.46	Open To Flow (1)
32	335.33	110.96	Shut-In(1)
76	811.93	109.35	End Shut-In(1)
76	360.48	109.08	Open To Flow (2)
105	509.64	112.78	Shut-In(2)
151	810.91	111.84	End Shut-In(2)
152	1757.49	111.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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

315.00	OCW - 20%o - 80%w	3.06
779.00	GOCMW - 10%g - 20%o - 20%m - 50%w	7.99
0.00	189 - gip	0.00

Trilobite Testing, Inc

Ref. No: 67187

Printed: 2021.05.01 @ 17:38:46



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

New Age Oil LLC

24 - 12S - 22W

1563 Ridge Rd
Hays Ks 676011

Bunker #3

Job Ticket: 67188

DST#: 2

ATTN: Logan Bear

Test Start: 2021.05.02 @ 16:16:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:41:30

Time Test Ended: 23:19:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: **3995.00 ft (KB) To 4060.00 ft (KB) (TVD)**

Reference Elevations: 2347.00 ft (KB)

Total Depth: 4060.00 ft (KB) (TVD)

2342.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 5.00 ft

Serial #: 8671

Outside

Press@RunDepth: 24.08 psig @ 3996.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2021.05.02

End Date:

2021.05.02

Last Calib.:

2021.05.02

Start Time: 16:16:05

End Time:

23:19:14

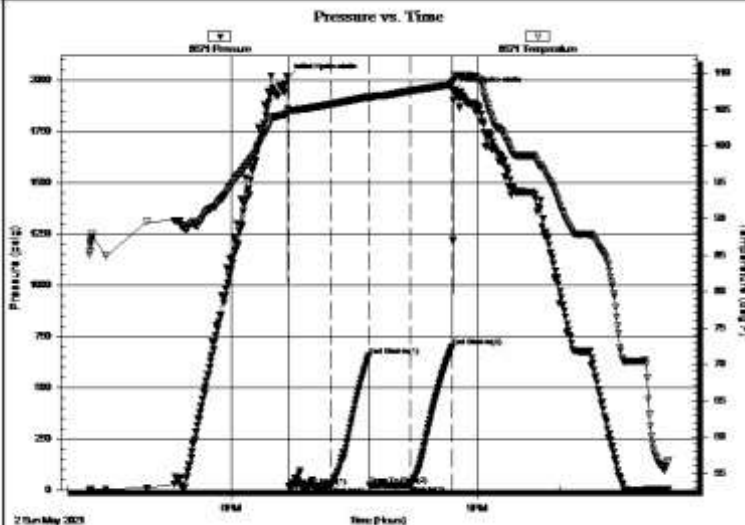
Time On Btm:

2021.05.02 @ 18:40:45

Time Off Btm:

2021.05.02 @ 20:41:45

TEST COMMENT: 30 - IF - Blow started out weak and built to
30 - ISI - No Return
30 - FF - No Blow
30 - FSI - No Return



PRESSURE SUMMARY

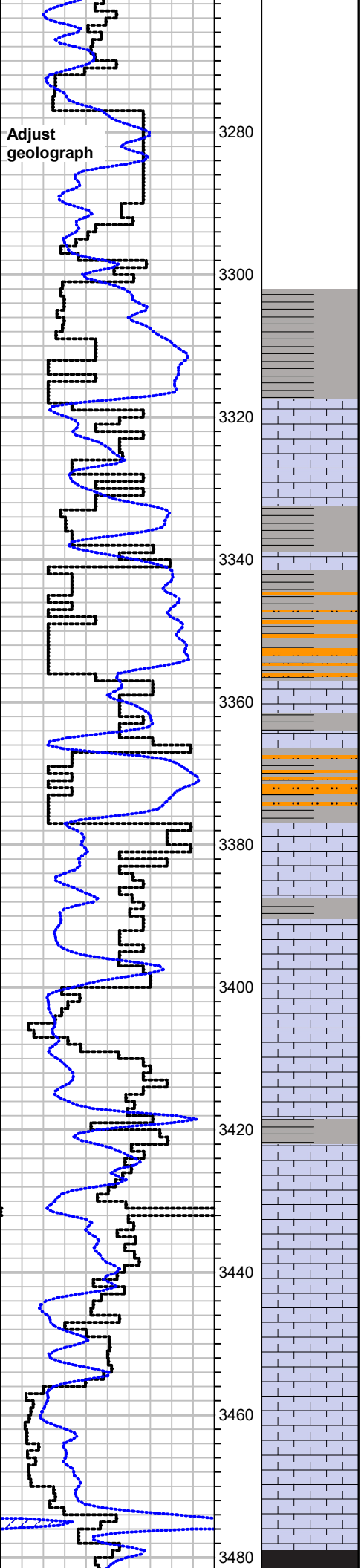
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2007.80	105.11	Initial Hydro-static
1	17.01	104.94	Open To Flow (1)
32	20.92	105.72	Shut-In(1)
60	653.05	106.75	End Shut-In(1)
60	21.89	106.48	Open To Flow (2)
90	24.08	107.56	Shut-In(2)
121	699.39	108.43	End Shut-In(2)
121	1945.01	108.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100%m	0.02

Gas Rates

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



Wet and Dry Samples 3300-RTD

Shale; grey-green, soft, micaceous, few silty pieces

Limestone; cream, fine xln, chalky

Shale; grey-green, micaceous, silty in part

Limestone as above few fossiliferous pieces, Plus Shale as above

Shale; grey-green, soft/gummy, micaceous in part, few FeS₂

TOPEKA 3377 (-1025)

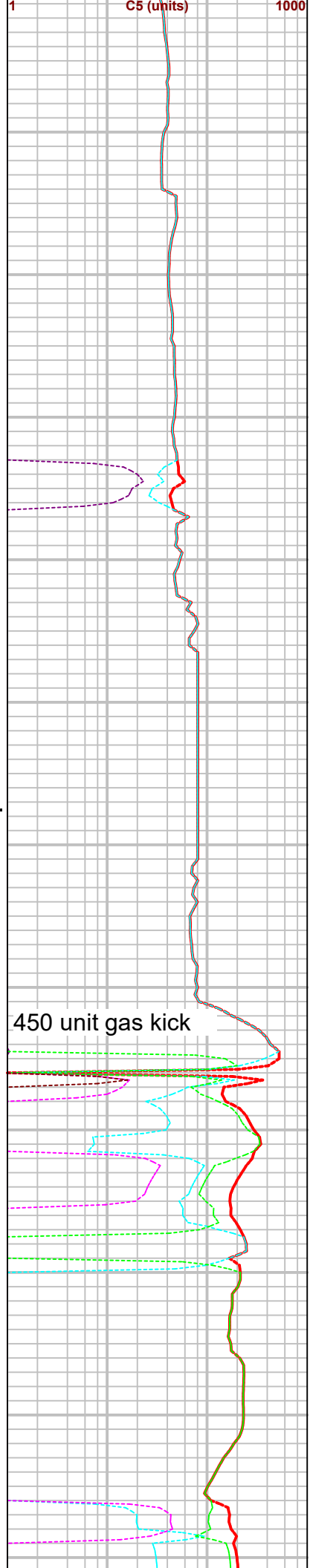
Limestone; cream, highly fossiliferous, poorly developed porosity, no shows

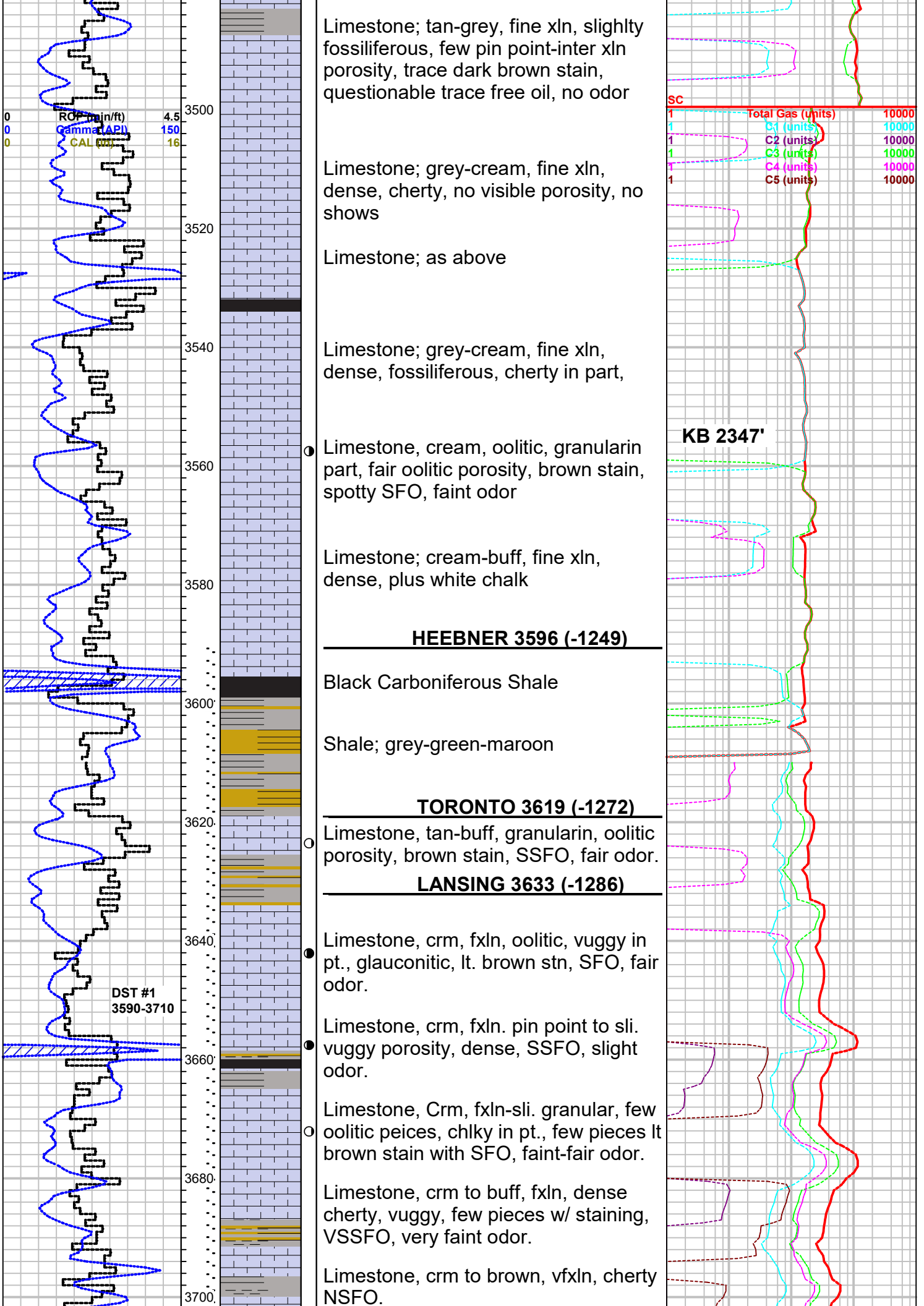
Limestone; tan-cream, dolomitic in part, granular, fair vuggy-inter xln porosity, brown stain, fair SFO, good odor

Limestone; cream-tan-grey, fine xln, fossiliferous, dense, cherty in part, no shows, plus white chalk

Limestone; cream-buff, fine xln, dense, cherty in part, no shows

Limestone, cream-tan, granular, fossiliferous, fair porosity, slightly dolomitic, no shows





Limestone; tan-grey, fine xln, slightly fossiliferous, few pin point-inter xln porosity, trace dark brown stain, questionable trace free oil, no odor

Limestone; grey-cream, fine xln, dense, cherty, no visible porosity, no shows

Limestone; as above

Limestone; grey-cream, fine xln, dense, fossiliferous, cherty in part,

○ Limestone, cream, oolitic, granular in part, fair oolitic porosity, brown stain, spotty SFO, faint odor

Limestone; cream-buff, fine xln, dense, plus white chalk

HEEBNER 3596 (-1249)

Black Carboniferous Shale

Shale; grey-green-maroon

TORONTO 3619 (-1272)

○ Limestone, tan-buff, granular in, oolitic porosity, brown stain, SSFO, fair odor.

LANSING 3633 (-1286)

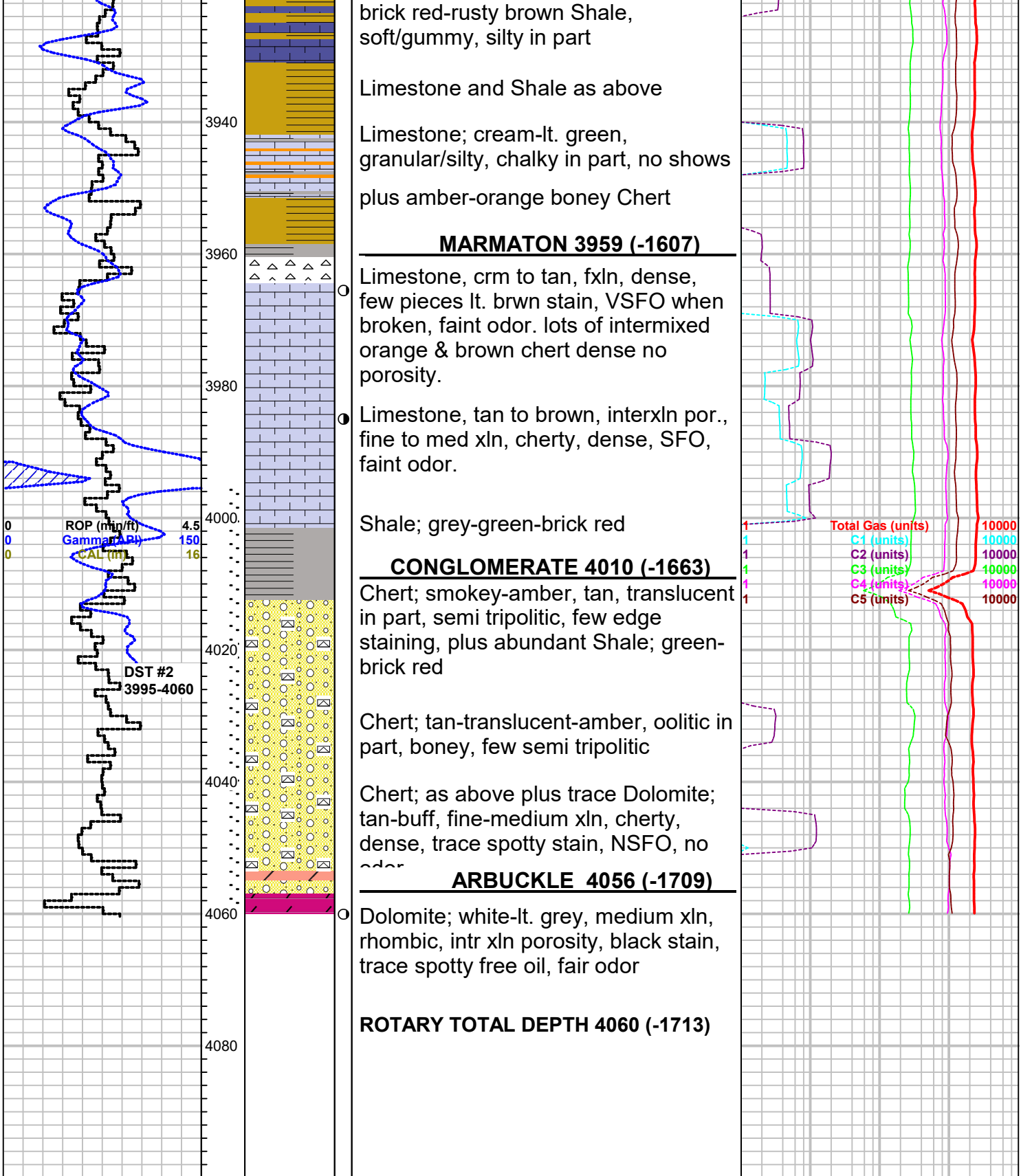
● Limestone, crm, fxl, oolitic, vuggy in pt., glauconitic, lt. brown stn, SFO, fair odor.

● Limestone, crm, fxl. pin point to sli. vuggy porosity, dense, SSFO, slight odor.

○ Limestone, Crm, fxl-sli. granular, few oolitic peices, chlky in pt., few pieces lt brown stain with SFO, faint-fair odor.

Limestone, crm to buff, fxl, dense cherty, vuggy, few pieces w/ staining, VSSFO, very faint odor.

Limestone, crm to brown, vfxln, cherty NSFO.



RANKS Oilfield Service

815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269
 Office Phone (785) 639-3949 ♦ Email: franksoilfield@yahoo.com

TICKET NUMBER 0314
 LOCATION 1400 W
 FOREMAN Miles Sloan

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/3/21		Bunker #3	24	12.5	22W	Trego
CUSTOMER		NEW ASE OIL				
MAILING ADDRESS						
CITY	STATE	ZIP CODE	TRUCK #	DRIVER	TRUCK #	DRIVER
			101	Miles S		
				SALT		

JOB TYPE Long string HOLE SIZE 7 7/8" HOLE DEPTH 4060 CASING SIZE & WEIGHT 5.5" 15.5
 CASING DEPTH 4055 DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 12.7/14.4 SLURRY VOL 1.9/1.36 WATER gal/sk _____
 DISPLACEMENT 98 bbls DISPLACEMENT PSI _____ CEMENT LEFT in CASING 21.10'
 REMARKS: Safety markings & log up on discovery drilling Ris #4 Run in Snt 98
Baskets on Snts 30, 4, 56 Turbulizers on snts 1, 3, 5, 7, 9, 11, 13, 30, 40, 56 circulate
Casing 1hr min 480 salt 82 salt 74 # tested in well 1500x Class A
109 salt 50 bbls and 2800 clear pump + lines 16000 plus displaced
78 bbls water with 1200 # salt Plus land and field @ 7900 #

3052 RH 2050 MH

Thanks Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
PC003	1	PUMP CHARGE	1850.00	1850.00
M00	40	MILEAGE	6.50	260.00
M002	31.19 Ton	Ton mileage delivered	1.50	1871.40
C00	920	6040 8800 7/8" 40	17.35	8675.00
L3	15052	Class A 48 salt 2650 5" Vals-	26.50	3975.00
FE014	10	5.5" Turbulizers	108	1080.00
FE0	3	8.5" Baskets	385	1155.00
FE057	1	5.5" AFU Guide Shoe	600.00	600.00
FE051	1	5.5" Latheclean Plus	695.00	695.00
			Subtotal	20,161.40
			Notes 353	7,056.49
			Subtotal	13,104.91
			SALES TAX	788.78
			ESTIMATED TOTAL	13,893.69

AUTHORIZATION [Signature] 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.

