

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1231453  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- 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 ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1231453

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  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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	Juenemann 2-5
Doc ID	1231453

All Electric Logs Run

CDN
DIL
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	Juenemann 2-5
Doc ID	1231453

Tops

Name	Top	Datum
Anhydrite	1978	+462
Heebner	3383	-943
Toronto	3412	-972
LKC	3426	-986
BKC	3614	-1174
Reagan Sand	3669	-1229
Granite Wash	3692	-1252
LTD	3782	-1342





**CONSOLIDATED**  
Oil Well Services, LLC

271941

TICKET NUMBER 47822  
LOCATION Oakley Kr.  
FOREMAN Cory Davis  
D&R.

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10/21/14	1617	Juenemann # 2-5	5	035	24W	Norton
CUSTOMER		Norton Kr. west to RD W-8 5 1/2 m west into	TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS			399	Michael		
CITY			460	Kelly G		
STATE						
ZIP CODE						

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 260 CASING SIZE & WEIGHT 8 5/8 24"  
CASING DEPTH 257 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk 6.5 CEMENT LEFT In CASING 20  
DISPLACEMENT 15 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Settling water - Rig up on LD Rig 1 - Run casing Break Circulation with Rig Pump  
Hook up to Pump Truck mix 195 sks com 3% CC 2% gel wash up Pump and lines  
Displace 15 BBL water shut in Rig Down Cement Did Circulate

Thanks Cory Davis and Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	1150.00	1150.00
5402	65	MILEAGE	5.25	341.25
5407A	9.16	Ton mileage Delivery	1.75	1611.95
1104S	195 sks	class A cement	18.55	3617.25
1102	550	Calcium Chloride	.94	517.00
1118A	367	Bentonite (gal)	.27	99.09
			sub Total	6766.54
			Lwr 10%	676.65
			sub Total	6089.89
			SALES TAX	262.89
			ESTIMATED TOTAL	6352.78

Rayin 3737

AUTHORIZATION AKL White 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.

**JOB LOG**

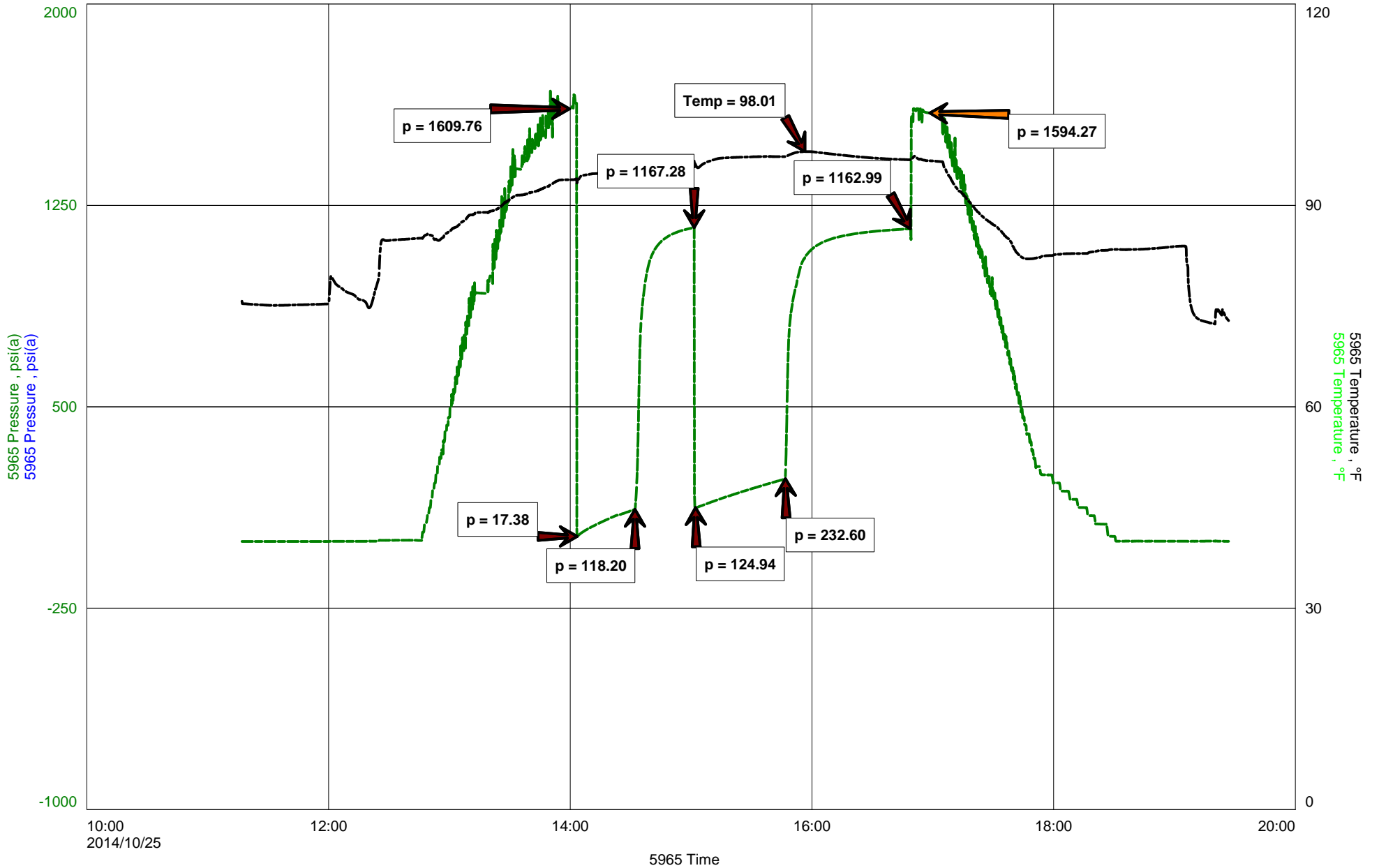
**SWIFT Services, Inc.**

DATE 10-29-14 PAGE NO. 1

CUSTOMER Blue Ridge Petroleum WELL NO. # 2-5 LEASE Juneman JOB TYPE Top to Bottom TICKET NO. 26832

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1300							enloc w/FE
								RTD 3780' LTD 3782' 5 1/2" x 14" x 3774' x 42' Cent. 1,2,3,4,7,8,9,10,11,12,29,56 Bask 2,11,29,56
	1500							start FE
	1630							Break circ
	1730	2	7					Plug RH 30 sks SMD
	1735	5	0			200		start 500gal Mud Flush
		5	12/0					start 20bb KCF Flush
		5	20/0					start 300 sks SMD @ 11 <sup>2</sup>
		5	165/0					75 sks SMD @ 12 <sup>5</sup>
		5	29/0					75 sks SMD @ 14 <sup>5</sup>
	1828		20					End Cement Wash P+L Drop L.D. Plug
	1830	6	0			200		start Displacement
	1838	5	50			350		Circ Cement
	1845		91			850/1500		Land Plug Release Pressure Float Hold
								Circ 70 sks to pit
								Thank you
								Nick, Roger, Austin + Preston

# Juenemann 2-5 DST 1







# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Blue Ridge Pet.	<b>Jim Musgrove</b>	<b>Job Number</b>	W133
<b>Contact</b>		Juenemann 2-5	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>		DST 1 Lan A&C 3380-3459	<b>Well Operator</b>	L D 1
<b>Unique Well ID</b>		5-3s24w Norton/Kan	<b>Report Date</b>	2014/10/25
<b>Surface Location</b>		Wildcat	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>			<b>Qualified By</b>	Jim Musgrove

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Lan A&C		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2014/10/25	<b>Start Test Time</b>	11:17:00
<b>Final Test Date</b>	2014/10/25	<b>Final Test Time</b>	19:32:00

## Test Recovery

**Recovery**    120' Free Oil and Gas 25%G 75%O  
 437' GMCO 20%G 25%M 55%O  
 557' Total Fluid  
 240' G.I.P

**Tool Sample MCO 15%M 85%O**

**Corrected Gravity= 27.6**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Juenemann 2-5 DST 1

TIME ON: 11:17  
TIME OFF: 19:32

Company Blue Ridge Petro Corp Lease & Well No. Juenemann 2-5  
Contractor L D 1 Charge to Blue Ridge  
Elevation 2435 GL Formation \_\_\_\_\_ Lan A-C Effective Pay \_\_\_\_\_ Ft. Ticket No. W133  
Date 10-25-14 Sec. 5 Twp. \_\_\_\_\_ 3 S Range \_\_\_\_\_ 24 W County \_\_\_\_\_ Norton State KANSAS  
Test Approved By Jim Musgrove Diamond Representative \_\_\_\_\_ Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 3380 ft. to 3459 ft. Total Depth 3459 ft.  
Packer Depth 3379 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3380 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3366 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3381 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEMICAL Viscosity 60 Drill Collar Length \_\_\_\_\_ 0 ft. I.D. 2 1/4 in.  
Weight 8.7 Water Loss 5.4 cc. Weight Pipe Length \_\_\_\_\_ 0 ft. I.D. 2 7/8 in.  
Chlorides 600 P.P.M. Drill Pipe Length 3355 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? Yes Reversed Out No Anchor Length 79 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 9 min Built to 7"  
2nd Open: BOB in 10 min BOB in 47 min

Recovered 120 ft. of Free Oil and Gas 25%G 75%O  
Recovered 437 ft. of GMCO 20%G 25%M 55%O  
Recovered 557 ft. of Total Fluid  
Recovered 240 ft. of G.I.P

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	115 Miles RT Other Charges
Remarks: <u>Shale Packer Used</u>	Insurance
Tool Sample <u>MCO 15%M 85%O</u>	
Corrected Gravity= <u>27.6</u>	Total

Time Set Packer(s) 14:05 A.M. P.M. Time Started Off Bottom 16:50 A.M. P.M. Maximum Temperature 98

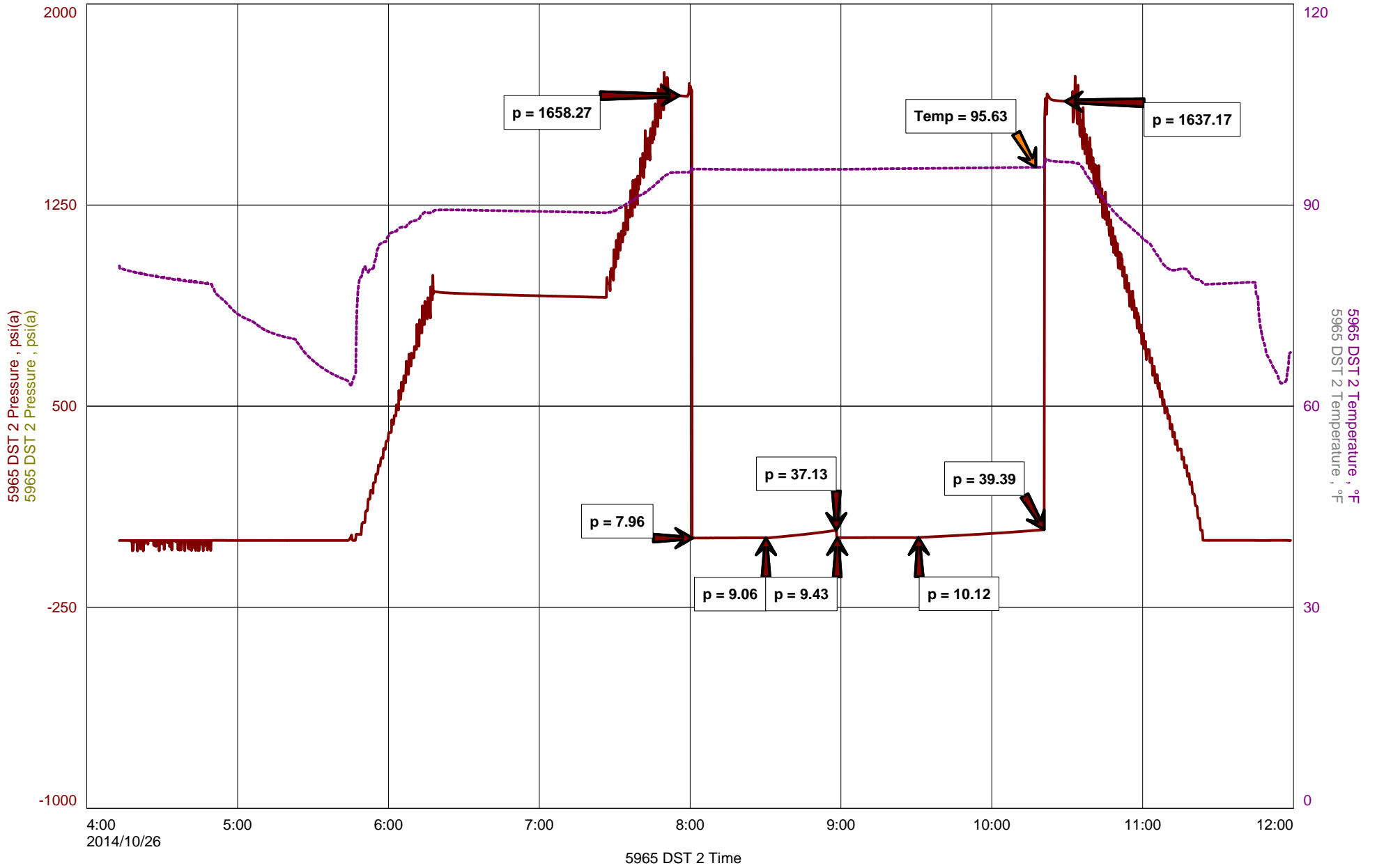
Initial Hydrostatic Pressure..... (A) 1610 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 118 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1167 P.S.I.  
Final Flow Period..... Minutes 45 (E) 125 P.S.I. to (F) 233 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1163 P.S.I.  
Final Hydrostatic Pressure..... (H) 1594 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

Blue Ridge Pet.  
DST 2 Lan D-F 3459-3504  
Start Test Date: 2014/10/26  
Final Test Date: 2014/10/26

Juenemann 2-5  
Formation: Lan D-F  
Job Number: W134

# Juenemann 2-5 DST 2





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Blue Ridge Pet.	<b>Job Number</b>	W134
<b>Contact</b>	Jim Musgrove	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>	Juenemann 2-5	<b>Well Operator</b>	L D 1
<b>Unique Well ID</b>	DST 2 Lan D-F 3459-3504	<b>Report Date</b>	2014/10/26
<b>Surface Location</b>	5-3s24w Norton/Kan	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>	Wildcat	<b>Qualified By</b>	Jim Musgrove

## Test Information

<b>Test Type</b>	Conventional	
<b>Formation</b>	Lan D-F	
<b>Well Fluid Type</b>	01 Oil	
<b>Test Purpose (AEUB)</b>	Initial Test	
<b>Start Test Date</b>	2014/10/26	<b>Start Test Time</b> 04:13:00
<b>Final Test Date</b>	2014/10/26	<b>Final Test Time</b> 12:00:00

## Test Recovery

**Recovery** 5' Mud  
5' Total Fluid

**Tool Sample Mud**



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: Juenemann 2-5 DST 2

TIME ON: 4:13  
 TIME OFF: 12:00

Company Blue Ridge Petro Corp Lease & Well No. Juenemann 2-5  
 Contractor L D 1 Charge to Blue Ridge  
 Elevation 2435 GL Formation \_\_\_\_\_ Lan D-F Effective Pay \_\_\_\_\_ Ft. Ticket No. W134  
 Date 10-26-14 Sec. 5 Twp. \_\_\_\_\_ 3 S Range \_\_\_\_\_ 24 W County \_\_\_\_\_ Norton State KANSAS  
 Test Approved By Jim Musgrove Diamond Representative \_\_\_\_\_ Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 3459 ft. to 3504 ft. Total Depth 3504 ft.

Packer Depth 3454 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Packer Depth 3459 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3445 ft. Recorder Number \_\_\_\_\_ Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3460 ft. Recorder Number \_\_\_\_\_ Cap. 5,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 5.2 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.

Chlorides 900 P.P.M. Drill Pipe Length 3434 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.

Did Well Flow? No Reversed Out No Anchor Length 45 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface Blow No Return

2nd Open: No Blow No Return

Recovered 5 ft. of Mud

Recovered 5 ft. of Total Fluid

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Shale Packer Used

Tool Sample Mud \_\_\_\_\_

Time Set Packer(s) 8:00 A.M. P.M. Time Started Off Bottom 10:15 A.M. P.M. Maximum Temperature 96

Initial Hydrostatic Pressure..... (A) 1658 P.S.I.

Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 9 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 37 P.S.I.

Final Flow Period..... Minutes 30 (E) 9 P.S.I. to (F) 10 P.S.I.

Final Closed In Period..... Minutes 45 (G) 39 P.S.I.

Final Hydrostatic Pressure..... (H) 1637 P.S.I.

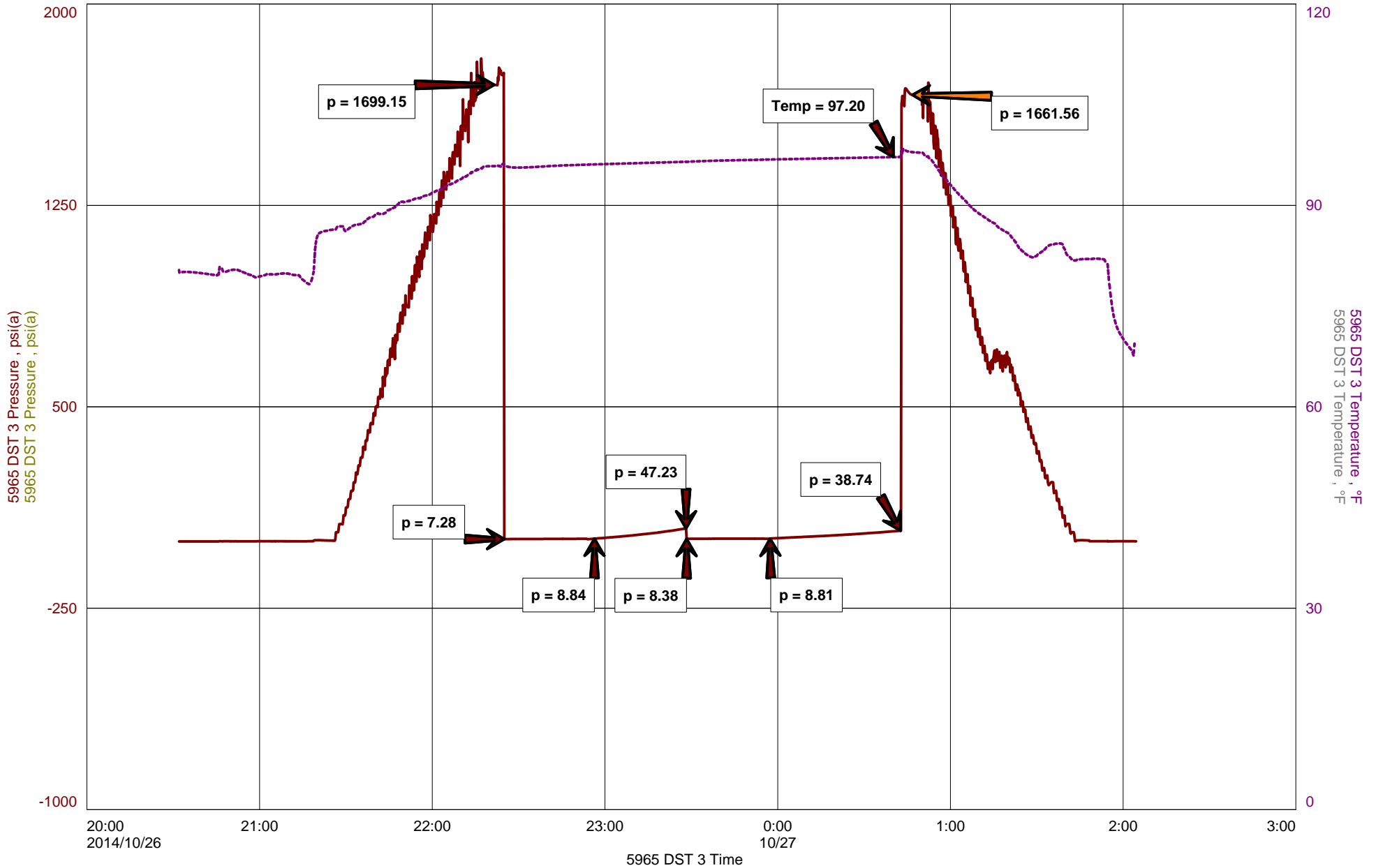
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Shale Packer Used</u>	
Tool Sample Mud _____	
	Total

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

Blue Ridge Pet.  
DST 3 Lan H&I 3540-3570  
Start Test Date: 2014/10/26  
Final Test Date: 2014/10/27

Juenemann 2-5  
Formation: Lan H&I  
Job Number: W135

# Juenemann 2-5 DST 3





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Blue Ridge Pet.	<b>Job Number</b>	W135
<b>Contact</b>	Clint Musgrove	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>	Juenemann 2-5	<b>Well Operator</b>	L D 1
<b>Unique Well ID</b>	DST 3 Lan H&I 3540-3570	<b>Report Date</b>	2014/10/26
<b>Surface Location</b>	5-3s24w Norton/Kan	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>	Wildcat	<b>Qualified By</b>	Clint Musgrove

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Lan H&I		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2014/10/26	<b>Start Test Time</b>	20:32:00
<b>Final Test Date</b>	2014/10/27	<b>Final Test Time</b>	02:06:00

## Test Recovery

**Recovery**    5' Mud  
                  5' Total Fluid

**Tool Sample Mud**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Juenemann 2-5 DST 3

TIME ON: 20:32  
TIME OFF: 2:06

Company Blue Ridge Petro Corp Lease & Well No. Juenemann 2-5  
Contractor L D 1 Charge to Blue Ridge  
Elevation 2435 GL Formation \_\_\_\_\_ Lan H&I Effective Pay \_\_\_\_\_ Ft. Ticket No. W135  
Date 10-26-14 Sec. 5 Twp. \_\_\_\_\_ 3 S Range \_\_\_\_\_ 24 W County \_\_\_\_\_ Norton State KANSAS  
Test Approved By Jim Musgrove Diamond Representative \_\_\_\_\_ Wilbur Steinbeck

Formation Test No. 3 Interval Tested from 3540 ft. to 3570 ft. Total Depth 3570 ft.  
Packer Depth 3535 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3540 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3526 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3541 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Mud Type CHEMICAL Viscosity 59 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 5.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 700 P.P.M. Drill Pipe Length 3515 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 30 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface Blow No Return  
2nd Open: No Blow No Return

Recovered 5 ft. of Mud  
Recovered 5 ft. of Total Fluid  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks: Shale Packer Used  
Tool Sample Mud \_\_\_\_\_

	Price Job
115 Miles RT	Other Charges
	Insurance
	Total

Time Set Packer(s) 22:25 A.M. P.M. Time Started Off Bottom 00:40 A.M. P.M. Maximum Temperature 97  
Initial Hydrostatic Pressure..... (A) 1699 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 9 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 47 P.S.I.  
Final Flow Period..... Minutes 30 (E) 8 P.S.I. to (F) 9 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 39 P.S.I.  
Final Hydrostatic Pressure..... (H) 1662 P.S.I.

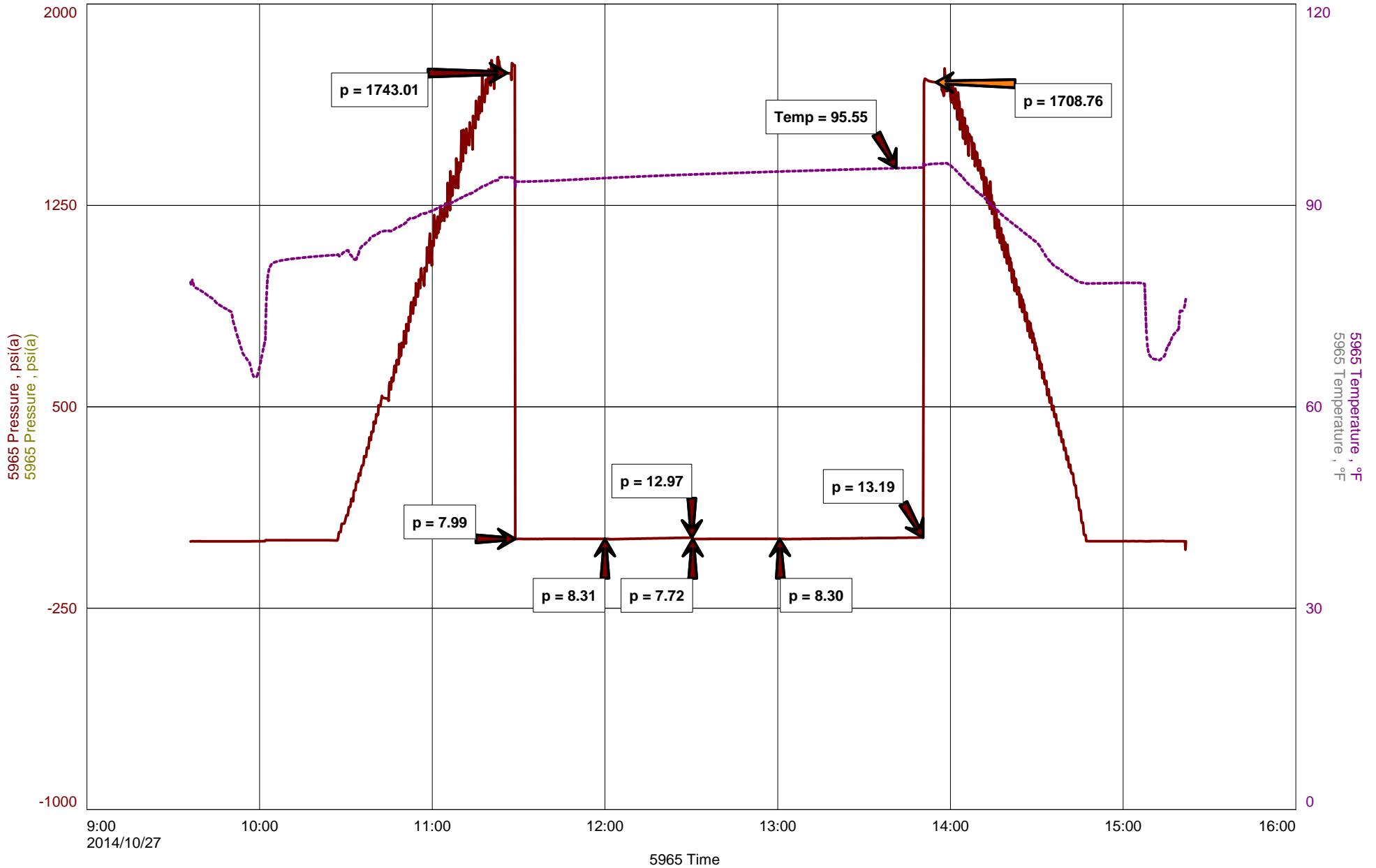
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



Blue Ridge Pet.  
DST 4 Lan K-L 3578-3610  
Start Test Date: 2014/10/27  
Final Test Date: 2014/10/27

Juenemann 2-5  
Formation: Lan K-L  
Job Number: W136

# Juenemann 2-5 DST 4





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Blue Ridge Pet.	<b>Job Number</b>	W136
<b>Contact</b>	Clint Musgrove	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>	Juenemann 2-5	<b>Well Operator</b>	L D 1
<b>Unique Well ID</b>	DST 4 Lan K-L 3578-3610	<b>Report Date</b>	2014/10/27
<b>Surface Location</b>	5-3s24w Norton/Kan	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>	Wildcat	<b>Qualified By</b>	Clint Musgrove

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Lan K-L		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2014/10/27	<b>Start Test Time</b>	09:32:00
<b>Final Test Date</b>	2014/10/27	<b>Final Test Time</b>	15:23:00

## Test Recovery

**Recovery**    5' Mud  
                  5' Total Fluid

**Tool Sample Mud**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Juenemann 2-5 DST 4

TIME ON: 9:36  
TIME OFF: 15:23

Company Blue Ridge Petro Corp Lease & Well No. Juenemann 2-5  
Contractor L D 1 Charge to Blue Ridge  
Elevation 2435 GL Formation \_\_\_\_\_ Lan K-L Effective Pay \_\_\_\_\_ Ft. Ticket No. W13\6  
Date 10-27-14 Sec. 5 Twp. \_\_\_\_\_ 3 S Range \_\_\_\_\_ 24 W County \_\_\_\_\_ Norton State KANSAS  
Test Approved By Clint Musgrove Diamond Representative \_\_\_\_\_ Wilbur Steinbeck

Formation Test No. 4 Interval Tested from 3578 ft. to 3610 ft. Total Depth 3610 ft.  
Packer Depth 3573 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3578 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3564 ft. Recorder Number 5965 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3579 ft. Recorder Number 5446 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 5.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 700 P.P.M. Drill Pipe Length 3553 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 32 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Surface Blow No Return  
2nd Open: No Blow No Return

Recovered 5 ft. of Mud  
Recovered 5 ft. of Total Fluid  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Shale Packer Used</u>	
Tool Sample Mud	
	Total

Time Set Packer(s) 11:30 A.M. P.M. Time Started Off Bottom 13:45 A.M. P.M. Maximum Temperature 96

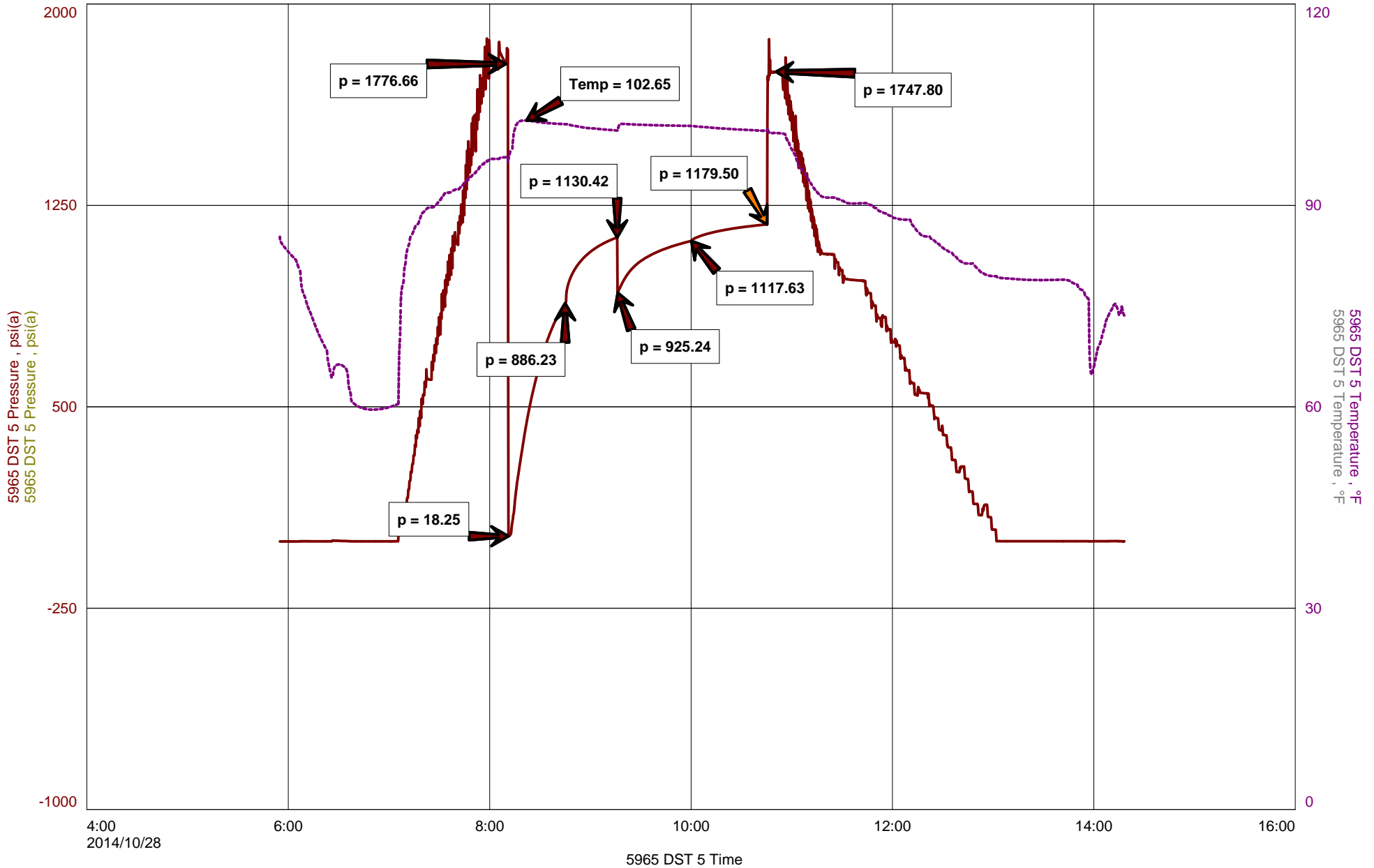
Initial Hydrostatic Pressure..... (A) 1743 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 8 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 13 P.S.I.  
Final Flow Period..... Minutes 30 (E) 8 P.S.I. to (F) 8 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 13 P.S.I.  
Final Hydrostatic Pressure..... (H) 1709 P.S.I.

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Blue Ridge Pet.  
DST 5 Granite Wash 3610-3730  
Start Test Date: 2014/10/28  
Final Test Date: 2014/10/28

Juenemann 2-5  
Formation: Granite Wash  
Job Number: W137

# Juenemann 2-5 DST 5





# Diamond Testing General Report

**Wilbur Steinbeck**  
**TESTER**  
**CELL: 620-282-1573**

## General Information

<b>Company Name</b>	Blue Ridge Pet.	<b>Clint Musgrove</b>	<b>Job Number</b>	W137
<b>Contact</b>		<b>Juenemann 2-5</b>	<b>Representative</b>	Wilbur Steinbeck
<b>Well Name</b>		<b>DST 5 Granite Wash 3610-3730</b>	<b>Well Operator</b>	L D 1
<b>Unique Well ID</b>		<b>5-3s24w Norton/Kan</b>	<b>Report Date</b>	2014/10/28
<b>Surface Location</b>		<b>Wildcat</b>	<b>Prepared By</b>	Wilbur Steinbeck
<b>Field</b>			<b>Qualified By</b>	Clint Musgrove

## Test Information

<b>Test Type</b>	Conventional		
<b>Formation</b>	Granite Wash		
<b>Well Fluid Type</b>	01 Oil		
<b>Test Purpose (AEUB)</b>	Initial Test		
<b>Start Test Date</b>	2014/10/28	<b>Start Test Time</b>	05:55:00
<b>Final Test Date</b>	2014/10/28	<b>Final Test Time</b>	02:17:00

## Test Recovery

**Recovery**    2180' MCW 10%M 90%W  
2180' Total Fluid

**Tool Sample Water**

**RW=60**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Juenemann 2-5 DST 5

TIME ON: 5:55  
TIME OFF: \_\_\_\_\_

Company Blue Ridge Petro Corp Lease & Well No. Juenemann 2-5  
Contractor L D 1 Charge to Blue Ridge  
Elevation 2435 GL Formation \_\_\_\_\_ Lan K-L Effective Pay \_\_\_\_\_ Ft. Ticket No. W137  
Date 10-28-14 Sec. 5 Twp. \_\_\_\_\_ 3 S Range \_\_\_\_\_ 24 W County \_\_\_\_\_ Norton State KANSAS  
Test Approved By Clint Musgrove Diamond Representative Wilbur Steinbeck

Formation Test No. 5 Interval Tested from 3610 ft. to 3730 ft. Total Depth 3730 ft.

Packer Depth 3605 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Packer Depth 3610 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3596 ft. Recorder Number \_\_\_\_\_ Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3610 ft. Recorder Number \_\_\_\_\_ Cap. 5,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 5.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.

Chlorides 700 P.P.M. Drill Pipe Length 3585 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.

Did Well Flow? Yes Reversed Out No Anchor Length 120 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 9 min No Return

2nd Open: BOB in 3 min No Return

Recovered 2180 ft. of MCW 10%M 90%W

Recovered 2180 ft. of Total Fluid

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Shale Packer Used

Tool Sample Water \_\_\_\_\_

RW=60,000ppm

Time Set Packer(s) 8:15 A.M. Time Started Off Bottom 10:30 P.M. Maximum Temperature 103

Initial Hydrostatic Pressure..... (A) 1777 P.S.I.

Initial Flow Period..... Minutes 30 (B) 18 P.S.I. to (C) 886 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1130 P.S.I.

Final Flow Period..... Minutes 45 (E) 925 P.S.I. to (F) 1118 P.S.I.

Final Closed In Period..... Minutes 30 (G) 1180 P.S.I.

Final Hydrostatic Pressure..... (H) 1748 P.S.I.

Price Job
Other Charges
Insurance
Total

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## Geologist's Report

**Company:** *Blueridge Petroleum Corporation*  
**Lease:** *Juenemann #2-5*  
**Field:** *Wildcat*  
**Location:** *SW-SE-NE-SE (1370 FSL & 535 FEL)*  
**Sec:** *5* **Twsp:** *3S* **Rge:** *24W*  
**County:** *Norton* **State:** *Kansas*  
**GL:** *2435'* **KB:** *2440'*

**Contractor:** *LD Drilling Rig #1*  
**Spud:** *10/22/14* **Comp:** *10/29/14*  
**RTD:** *3780'* **LTD:** *3779'*  
**Mud Up:** *3000'* **Type Mud:** *Chemical/Displaced*

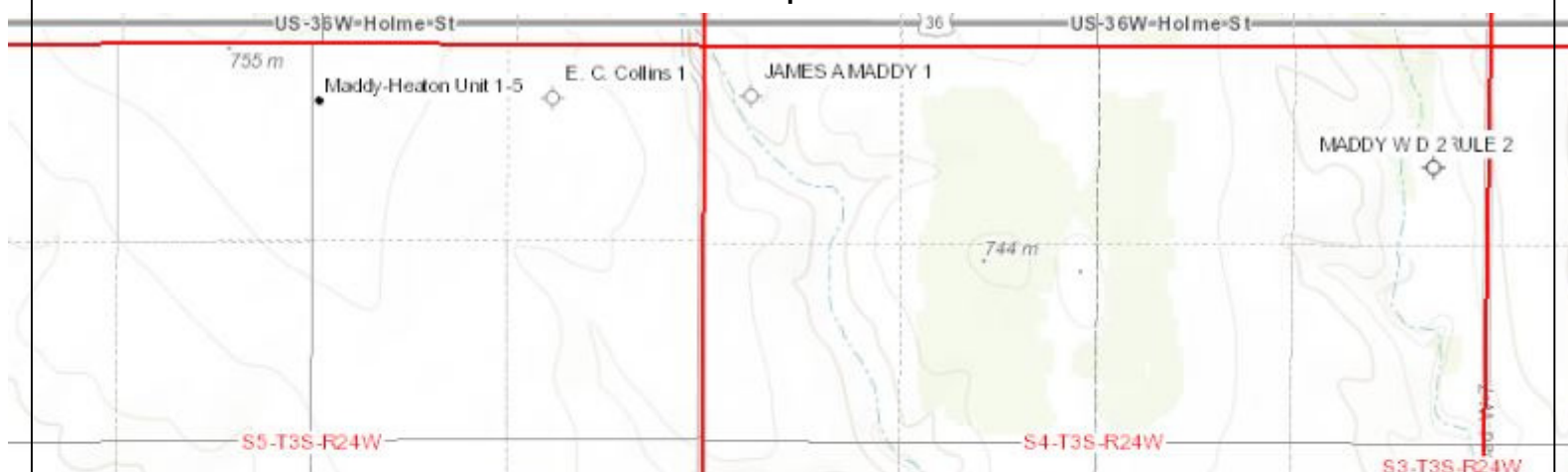
**Samples Saved From:** *3100' to RTD*  
**Drilling Time Kept From:** *3100' to RTD*  
**Samples Examined From:** *3200' to RTD*  
**Geological Supervision From:** *3200' to RTD*  
**Geologist on Well:** *Clint Musgrove and Jim Musgrove*

**Surface Casing:** *8 5/8" @*  
**Production:** *5 1/2 @ 3779'*

**Logs:** *By: Nabors: CNL/CDL, DIL, MEL, SONIC*

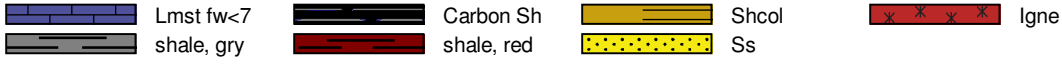
## Well Comparison Sheet

## Well Comparison 25





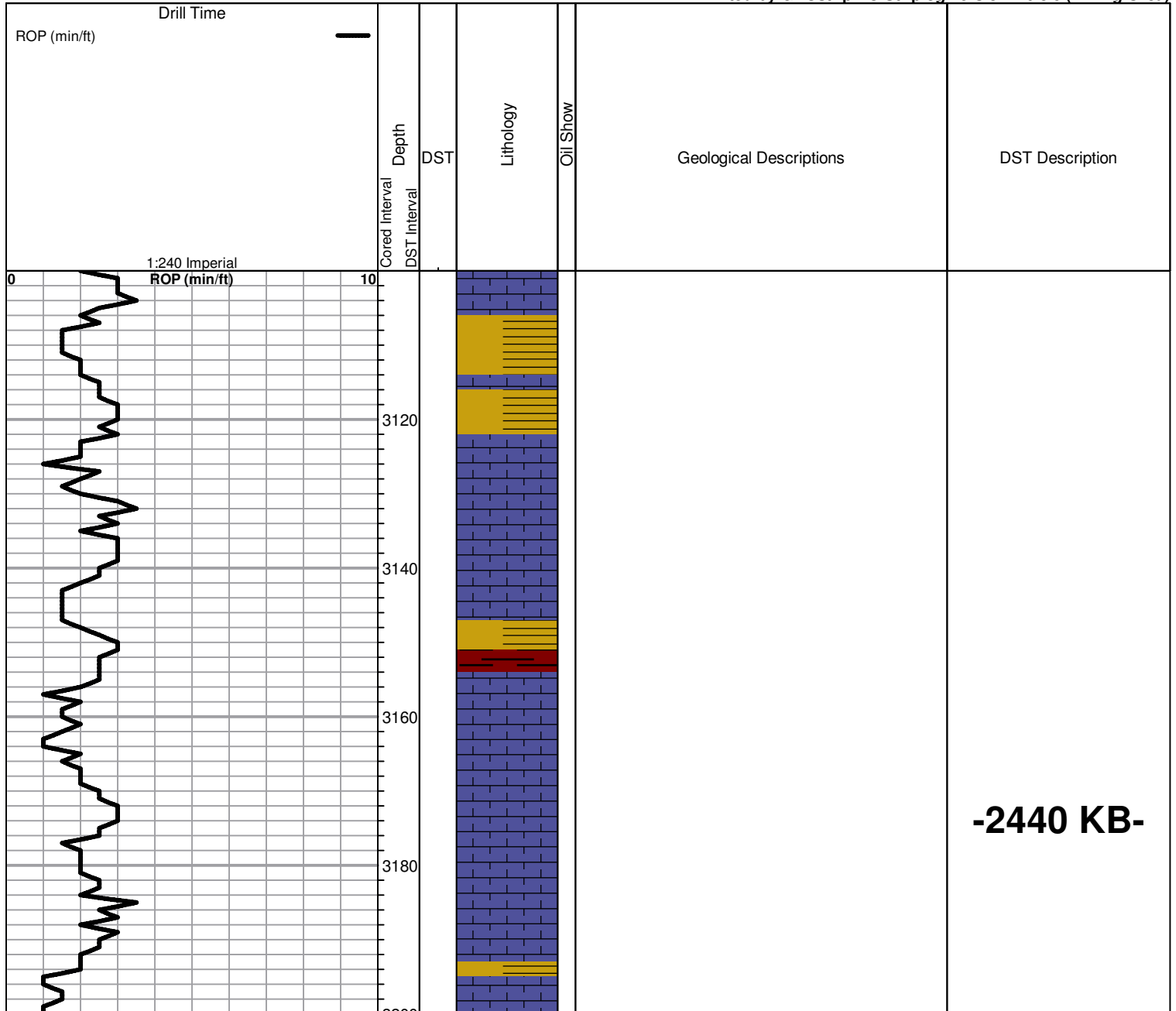
**ROCK TYPES**



**OTHER SYMBOLS**

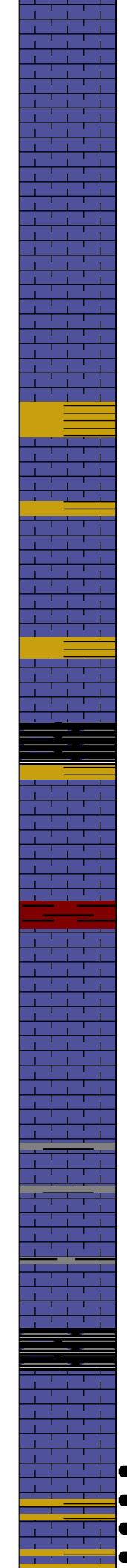
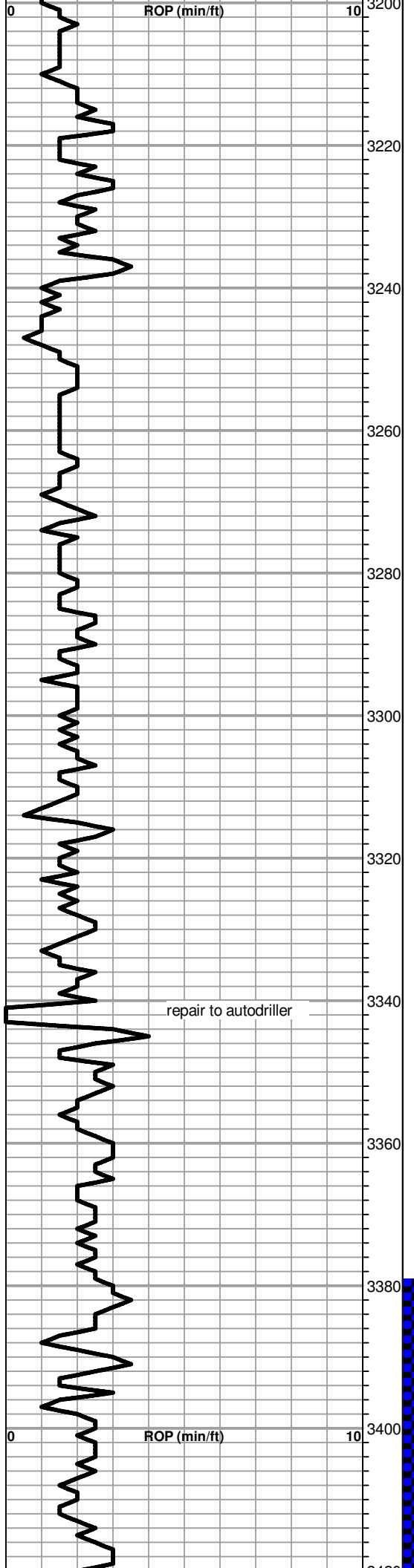


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**-2440 KB-**





Tr blk carb sh

Mar sh + tr wh/gry, chlky LS

LS: gry/wh, fxl, foss, chlky, nsfo

Mar red/green sh soft

repair to autodriller

LS; crm, fxl, chlky, + mar sh soft

LS: wh/gry,/crm, chlky + gry boney chert

aa

**Heebner**  
 Sample 3384.0 (-944.0)  
 Log 3383.0 (-943.0)  
 Blk carb sh

Tr LS; wh/gry, chlky dense

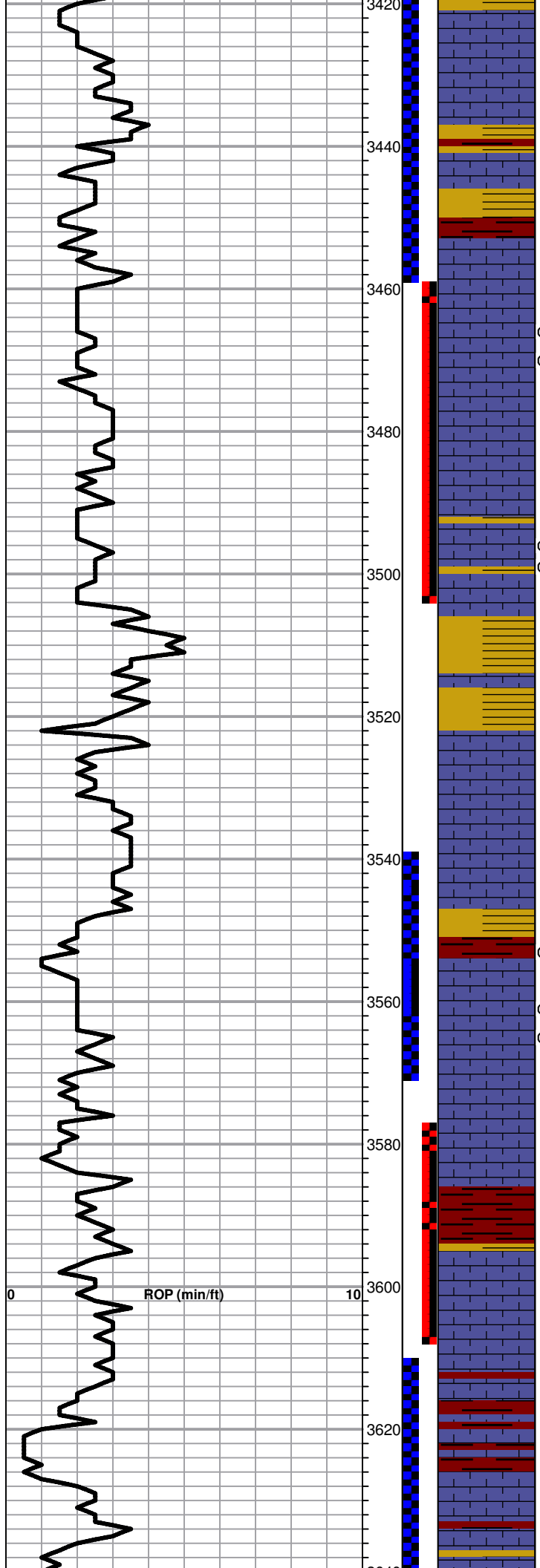
**Toronto**

- Sample 3412.0 (-972.0)
- Log 3412.0 (-972.0)
- LS; gry, who, highly foss, fr
- porosty, ft stn/ sat sfo ?? odor

**DST #1 3380-3459**  
**30-30-45-60**

Blow: BOB 9 mins  
 2nd: BOB 10 mins

Recovery:  
 240' GIP  
 120' GO (25%G, 75%O)  
 437' GMCO (20%G, 25%O)



LS; gry; wh, fr - goo ixl ppt porosity, good stn, sfo?? odor

Lansing

Sample 3425.0 (-985.0)  
Log 3426.0 (-986.0)

LS; gry; wh, highly ool, fr prosity, brn stn/sat sf sfo odor

Calcite cement in part, golden brn stn, tr sfo, odor??  
Golden brn stn, sfo

LS; wh/yellow, scatt ppt porosity, chlky, poor brn stn, tr sfo, odor??

Slug bar/brick red sh

aa

LS: wh/gry, highly ool, chlky, brn stn sfo,

Sh; gry, maroon soft

LS: crm, fxl, chlky poor vis porosity, nsfo

LS; crm, fxl, cherty, poor vis porosity, nsfo

LS' crm, fxl, foss, cherty, weak sfo, no odor

LS: crm, fxl, ft brn stn, sft sfo, no odor, scatt vis porosity

LS' crm, fxl, ft brn stn, very ft odor, sfo

LS; cr, fxl, foss, poor vis porosity, nsfo

Brick red/maroon sh

LS; crm, fxl, foss, ft sfo, no odor

LS; crm, fxl, poor vis porosity, ft sfo

Base Kansas City

Sample 3613.0 (-1173.0)  
Log 3614.0 (-1174.0)

LS: crm, fxl, chlky, poor vis porosity

LS: crm, fxl, cherty in part poor vis porosity

437 GMCO (20%G, 25% M, 55%O)

Pressures:

ISIP: 1167 psi  
FSIP: 1163 psi  
IFP: 17-118 psi  
FFP: 125-233 psi  
HSH: 1610-1594 psi

DST #2 3459-3504  
30-30-30-45

Blow: no return  
2nd: no return

Recovery: 5' Mud

Pressures:

ISIP: 37 psi  
FSIP: 39 psi  
IFP: 8-9 psi  
FFP: 9-10 psi  
HSH: 1658-1637 psi

DST #3 3540-3570  
30-30-30-45

Blow: no return  
2nd: no return

Recovery: 5' Mud

Pressures:

ISIP: 47 psi  
FSIP: 39 psi  
IFP: 7-9 psi  
FFP: 8-9 psi  
HSH: 1699-1662 psi

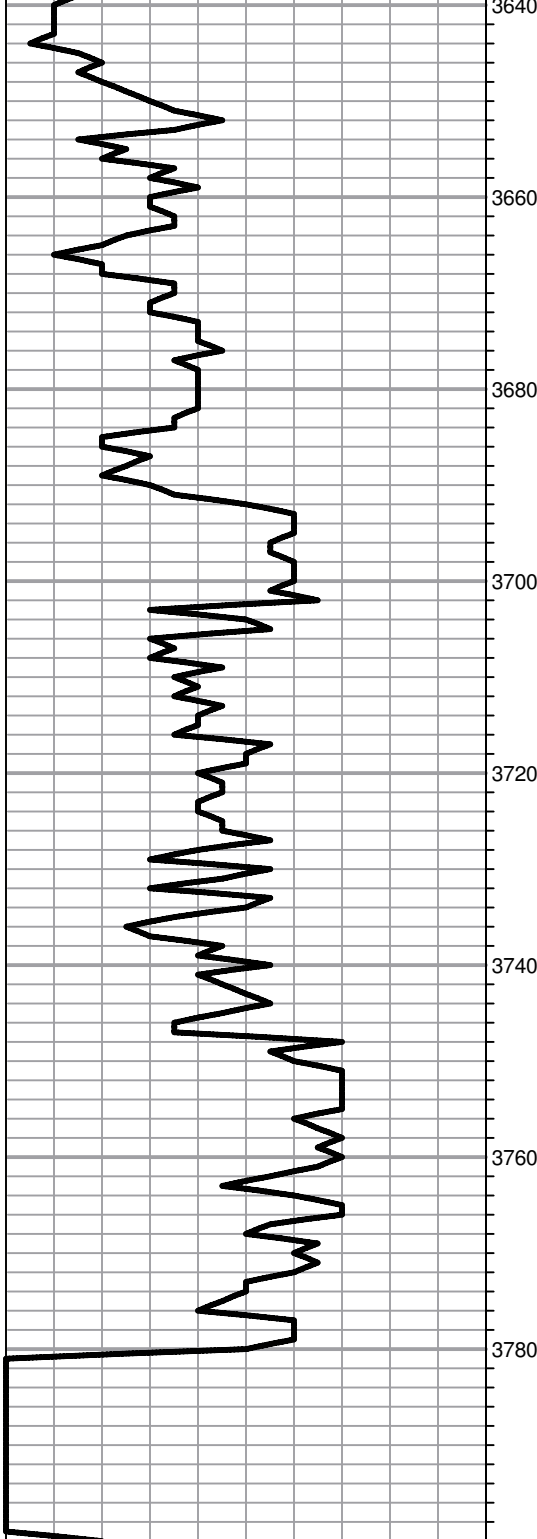
DST #4 3578-3610  
30-30-30-45

Blow: no return  
2nd: no return

Recovery: 5' Mud

Pressures:

ISIP: 13 psi  
FSIP: 13 psi  
IFP: 8-8 psi  
FFP: 8-8 psi  
HSH: 1743-1709 psi



LS; crm, fxl, cherty, ft blk stn, poor vis porosity, nsfo

LS; crm, fxl, ool, ft brk stn, weak sfo

**Basal Sand**

Sample 3668.0 (-1228.0)

Log 3669.0 (-1229.0)

Sd, vfg, well sorted, good blk stn, sfo, no odor

LS: crm/tan, fxl, poor vis porosity, chlky, nsfo

LS; crm, fxl, cherty, ft blk stn, sfo, no odor, poor vis porosity

**Granite**

Sample 3692.0 (-1252.0)

Log 3692.0 (-1252.0)

Quartz-sub angular, pink and clear feldspars, mica, well cemented, poor vis porosity, nsfo

Clear qtz + blk/pink feldspars

AA + nsfo

Qtz + mica + feldspars nsfo, poor vis porosity

AA

**RTD**

Sample 3780.0 (-1340.0)

Log 2782.0 (-1342.0)

DST #5 3610-3730  
30-30-45-30

Blow: BOB 9 mins  
2nd: BOB 3 mins

Recovery: 2180' MCW  
(10%M 90%W)

Pressures:  
ISIP: 1130 psi  
FSIP: 1180 psi  
IFP: 18-886 psi  
FFP: 925-1118 psi  
HSH: 1777-1748 psi