Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1258086

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 # 31725
Name: Shelby Resources LLC
Address 1: 621 17TH ST STE 1155
Address 2:
City: DENVER State: CO Zip: 80293 + 1101
Contact Person: Chris Gottschalk
Phone: (785) 623-1524
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Jeremy Schwartz
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 #:

05/04/2015	05/11/2015	06/02/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-26100-00-00
Spot Description:
NW NE NE NW Sec. 15 Twp. 18 S. R. 14 ☐ East ☑ West
193 Feet from ☑ North / ☐ South Line of Section
2277 Feet from ☐ East / ☑ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☑ NW ☐ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barton
Lease Name: Jerry's Unit Well #: 1-15
Field Name:
Producing Formation: L-KC
Elevation: Ground: 1926 Kelly Bushing: 1939
Total Vertical Depth: 3570 Plug Back Total Depth: 3479
Amount of Surface Pipe Set and Cemented at: 943 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: 54000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Shelby Resources
Lease Name: Clark License #: 31725
Quarter SW Sec. 24 Twp. 17 S. R. 13 ☐ East ☑ West
County: Barton Permit #: D31557

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: 07/15/2015
☑ **Confidential Release Date:** 07/14/2017
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 07/17/2015

[redacted]

1258086

Operator Name: Shelby Resources LLC Lease Name: Jerry's Unit Well #: 1-15

Sec. 15 Twp. 18 S. R. 14 ☐ East ☑ West County: Barton

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner	3103	-1164
L-KC	3190	-1251
Stark Shale	3370	-1431
BKC	3395	-1456
Conglomerate	3406	1467
Arbuckle	3435	-1496
LTD	3571	-1632

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	943	60/40 Poz	350	2% gel / 3% cc
Production	7.875	5.5	15.5	3525	60/40 Poz/AA2	150	2% gel / 3% cc

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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 *(Amount and Kind of Material Used)*	Depth
2	3378-84		

TUBING RECORD: Size: 2.375 Set At: 3454 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 06/02/2015

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	58		0		

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Jerry's Unit 1-15
Doc ID	1258086

All Electric Logs Run

Dual Induction
Compensated Nuetron
Micro
Sonic
Radial Bond

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Jerry's Unit 1-15
Doc ID	1258086

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	943	60/40 Poz	350	2% gel / 3% cc
Production	7.875	5.5	15.5	3525	60/40 Poz/AA2	150	2% gel / 3% cc

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1812

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-5-15	15	18	14	Barton	KS		1:45 PM

Location 281 + 4 Jct - 35 to 90 Rd, 1/2 W

Lease Jerry's Unit	Well No. 1-15	Owner Same	
Contractor Sterling 5		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Type Job Surface			
Hole Size 12 1/4"	T.D. 947'	Charge To Shelby Resources	
Csg. 8 5/8"	Depth 942'	Street	
Tbg. Size	Depth	City State	
Tool	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg. 42'	Shoe Joint 42'	Cement Amount Ordered 350 60/40 3% cc 2% Gel	
Meas Line	Displace 57 1/4 BLS		

EQUIPMENT

Pumptrk 17	No.	Cementer Helper	Billy
Bulktrk 19	No.	Driver Driver	Doug
~~Bulktrk~~ P.U.	No.	Driver Driver	Rick

JOB SERVICES & REMARKS

Remarks: Cement did Circulate

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Common	210
Poz. Mix	140
Gel.	7
Calcium	14
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	371
Mileage	

FLOAT EQUIPMENT

Guide Shoe	1
Centralizer	Rubber plug
Baskets	Baffle plate
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Long Surface
Mileage	13
Tax	
Discount	
Total Charge	

X Signature Allan Lofts

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
Shelby Resources		5/11/15
Lease	**Well #**	
Jerry Unrein	#1-15	

Field Order #	Station	Casing	Depth	County	State
12318A	Pratt	5 1/2	35	Barton	KS

Type Job	Formation	Legal Description
5 1/2 Long String CNW		15-18S-14W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 3570	Depth	From	To	Pre Pad	Max		5 Min.
Volume 34.97	Volume	From	To	Pad	Min		10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection 5 1/2	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
Chris Gottschalk	Kevin Goodley	Scott Graves

Service Units	38470	27463	19903 / 19860								
Driver Names	Scott	Shawn	Aaron								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:00					On Location Safety Meeting Rig up
					88 Joints Total Leave 6 out
8:00					Run Float Equipment Baster on Shoe
					Turbo's 1,3,4,5,7,8
9:45					Break Circulation
10:30	400			5.4	Mix 50sks Scavenger
10:35	450		11.5	5.6	Mix 100 sks AA2 at 15.3 ppg
			24.22		Shut down
					Wash pump & lines clean
10:42				5.2	Release Plug Start Displacement
10:55	350		64	5	Lift pressure
10:57	600		8	3.6	Reduce Rate
11:00	700		10.5	3.8	Plug landed
11:00	1600				Increase Pressure
11:01	0				Release Pressure NO Returns
11:05	0		8	2.5	Plug Rat hole 30sks 60/40
11:15	0		6	2.5	Plug Mouse hole 20sks 60/40
					Shut down
					Job Complete

Taylor Printing, Inc. 620-672-3656

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61994 **DST#: 1**

Test Start: 2015.05.07 @ 21:00:00

GENERAL INFORMATION:

Formation: **Lansing "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:45:30
Time Test Ended: 03:45:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

Interval: 3182.00 ft (KB) To 3250.00 ft (KB) (TVD)
Total Depth: 3250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

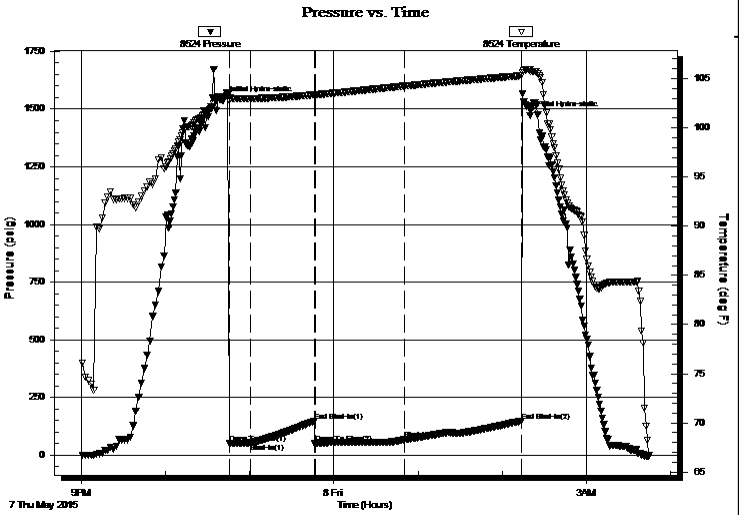
Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**

Press@RunDepth: 66.94 psig @ 3246.35 ft (KB)
Start Date: 2015.05.07 End Date: 2015.05.08
Start Time: 21:01:00 End Time: 03:45:00

Capacity: 8000.00 psig
Last Calib.: 2015.05.08
Time On Btm: 2015.05.07 @ 22:41:30
Time Off Btm: 2015.05.08 @ 02:20:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1/2 inch into water.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 52 Minutes. Weak blow built to 1/2 inch into water.
2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.54	103.21	Initial Hydro-static
4	50.30	102.78	Open To Flow (1)
19	53.83	102.98	Shut-In(1)
65	147.00	103.37	End Shut-In(1)
66	50.92	103.36	Open To Flow (2)
129	66.94	104.25	Shut-In(2)
212	147.87	105.29	End Shut-In(2)
219	1471.96	105.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.05

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61994 **DST#: 1**

Test Start: 2015.05.07 @ 21:00:00

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:	62.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

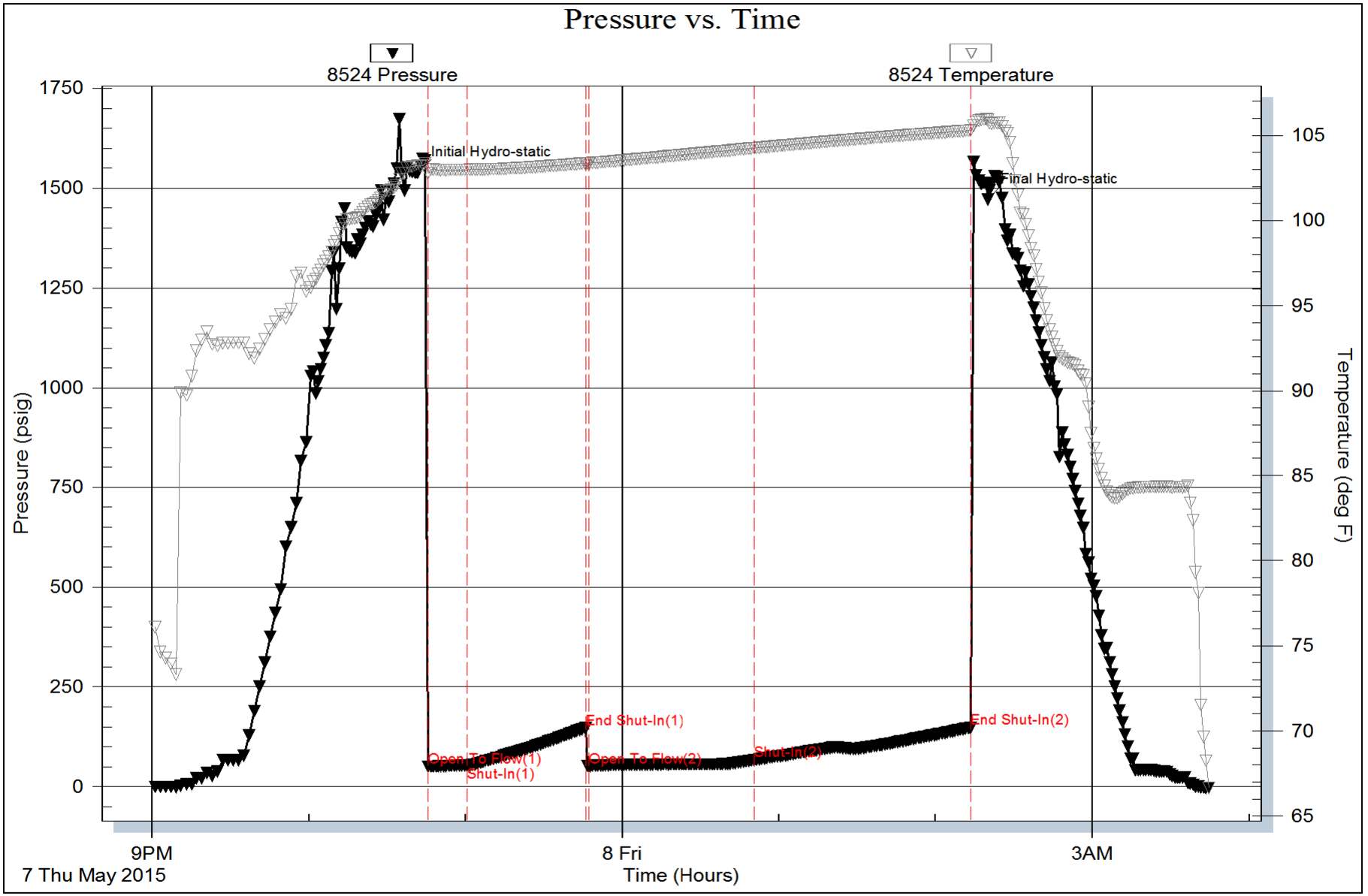
Recovery Table

Length ft	Description	Volume bbl
10.00	100% Mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8524 **Inside** Shelby Resources LLC. Jerry's Uint #1-15 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 61994 Printed: 2015.05.08 @ 06:46:54

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61995 **DST#: 2**

Test Start: 2015.05.08 @ 09:40:00

GENERAL INFORMATION:

Formation: **Lansing "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:53:30
Time Test Ended: 16:28:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

Interval: 3244.00 ft (KB) To 4274.00 ft (KB) (TVD)
Total Depth: 3274.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

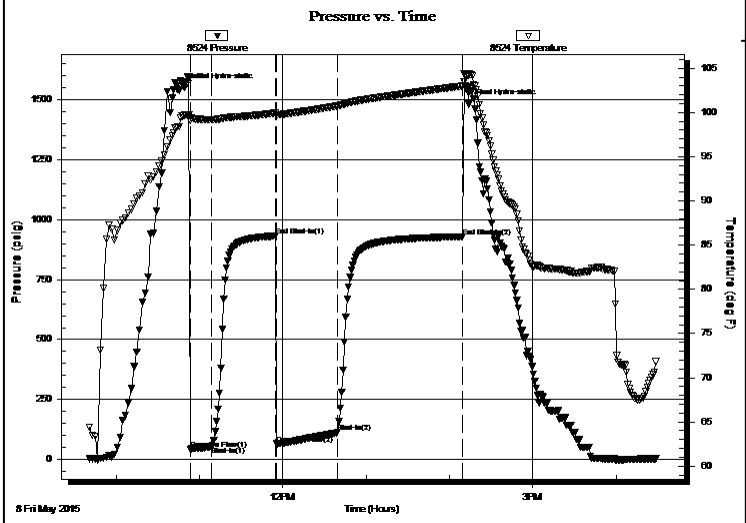
Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**

Press@RunDepth: 112.75 psig @ 3270.00 ft (KB)
Start Date: 2015.05.08 End Date: 2015.05.08
Start Time: 09:41:00 End Time: 16:28:30

Capacity: 8000.00 psig
Last Calib.: 2015.05.08
Time On Btm: 2015.05.08 @ 10:49:30
Time Off Btm: 2015.05.08 @ 14:14:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 3 minutes and 30 seconds.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 45 Minutes. Strong blow built to bottom of 5 gallon bucket in 30 seconds.
2nd Shut In/ 90 Minutes. Good blow back built to bottom of 5 gallon bucket in 27 minutes aand 15 seconds.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.31	99.71	Initial Hydro-static
4	40.31	99.08	Open To Flow (1)
19	53.00	99.20	Shut-In(1)
65	932.08	99.93	End Shut-In(1)
66	64.83	99.76	Open To Flow (2)
110	112.75	100.75	Shut-In(2)
200	929.50	102.99	End Shut-In(2)
205	1482.66	104.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	630 feet Gas in Pipe	0.00
315.00	100% Clean Gassy Oil	3.87
126.00	Gassy Oil cut Mud	1.77
0.00	20% gas, 30% oil, 50% mud	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61995 **DST#: 2**

Test Start: 2015.05.08 @ 09:40:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	40 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

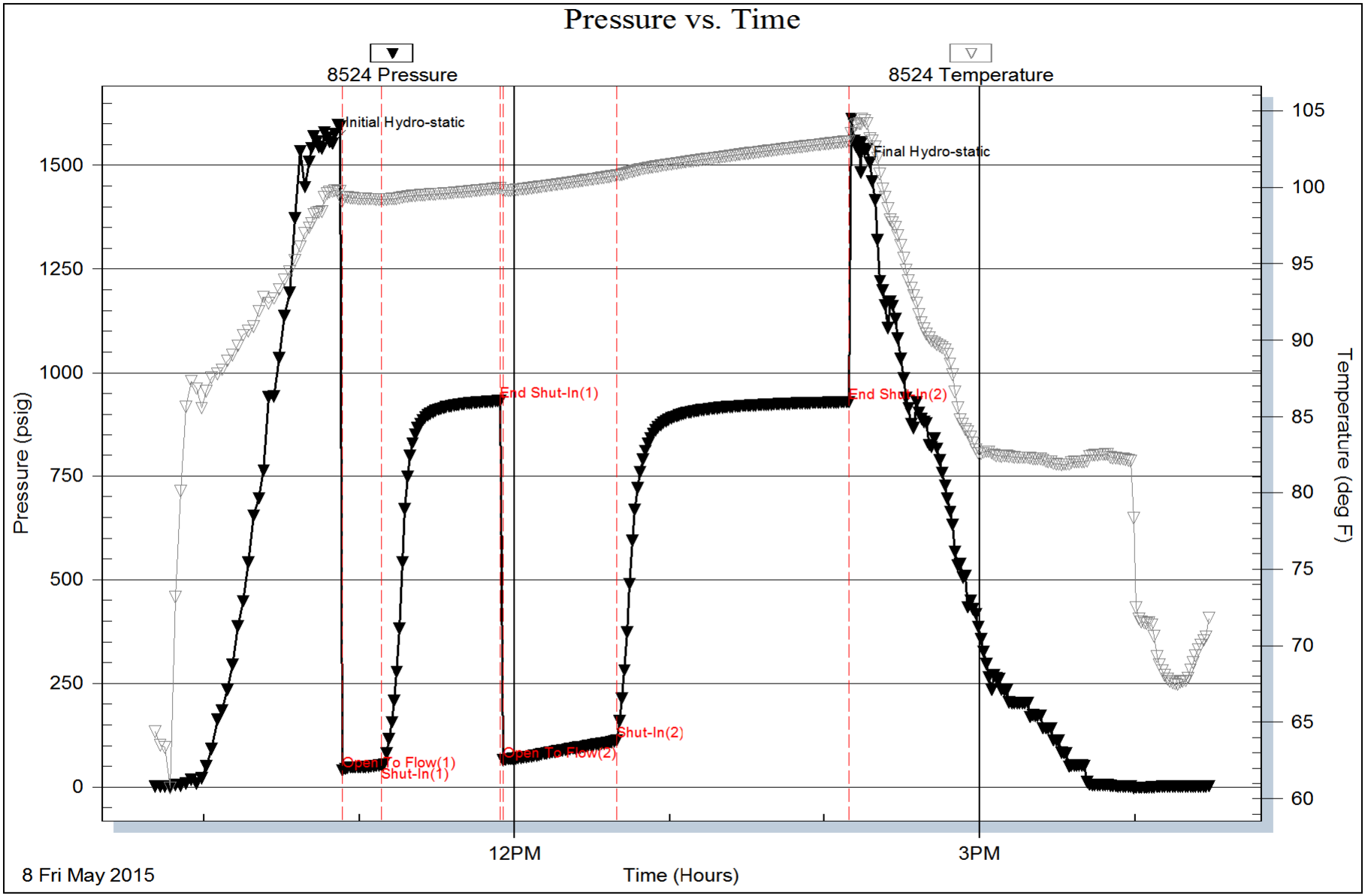
Recovery Table

Length ft	Description	Volume bbl
0.00	630 feet Gas in Pipe	0.000
315.00	100% Clean Gassy Oil	3.872
126.00	Gassy Oil cut Mud	1.767
0.00	20% gas, 30% oil, 50% mud	0.000

Total Length: 441.00 ft Total Volume: 5.639 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8524 **Inside** Shelby Resources LLC. Jerry's Uint #1-15 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 61995 Printed: 2015.05.08 @ 22:52:06

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61996 **DST#: 3**

Test Start: 2015.05.09 @ 05:20:00

GENERAL INFORMATION:

Formation: **Lansing "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:03:30
Time Test Ended: 14:04:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

Interval: 3302.00 ft (KB) To 3386.00 ft (KB) (TVD)
Total Depth: 3386.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

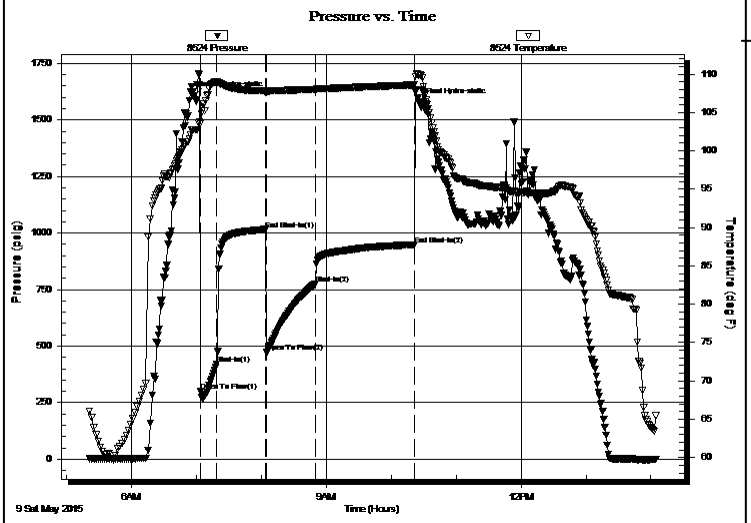
Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**

Press@RunDepth: 774.03 psig @ 3382.25 ft (KB)
Start Date: 2015.05.09 End Date: 2015.05.09
Start Time: 05:21:00 End Time: 14:04:30

Capacity: 8000.00 psig
Last Calib.: 2015.05.09
Time On Btm: 2015.05.09 @ 06:57:30
Time Off Btm: 2015.05.09 @ 10:25:30

TEST COMMENT: 1st Open/ 15 Minutes. Strong blow built to bottom of 5 gallon bucket in 45 seconds.
1st Shut In/ 45 Minutes. Blow back built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 5 minutes.
2nd Open/ 45 Minutes. Strong blow built to bottom of 5 gallon bucket in 40 seconds.
2nd Shut In/ 90 Minutes. Blow back built to bottom of 5 gallon bucket in 4 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.99	102.76	Initial Hydro-static
6	301.00	103.57	Open To Flow (1)
21	418.98	108.98	Shut-In(1)
66	1015.95	107.80	End Shut-In(1)
67	472.21	107.65	Open To Flow (2)
112	774.03	108.02	Shut-In(2)
204	948.86	108.59	End Shut-In(2)
208	1578.87	109.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2205.00	100% clean gassy oil	30.38
0.00	Oil reversed to truck.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	0.00	5.39
Max. Gas Rate	0.13	5.00	7.26

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61996 **DST#: 3**

Test Start: 2015.05.09 @ 05:20:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	42 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.98 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
2205.00	100% clean gassy oil	30.384
0.00	Oil reversed to truck.	0.000

Total Length: 2205.00 ft Total Volume: 30.384 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61996 **DST#: 3**

Test Start: 2015.05.09 @ 05:20:00

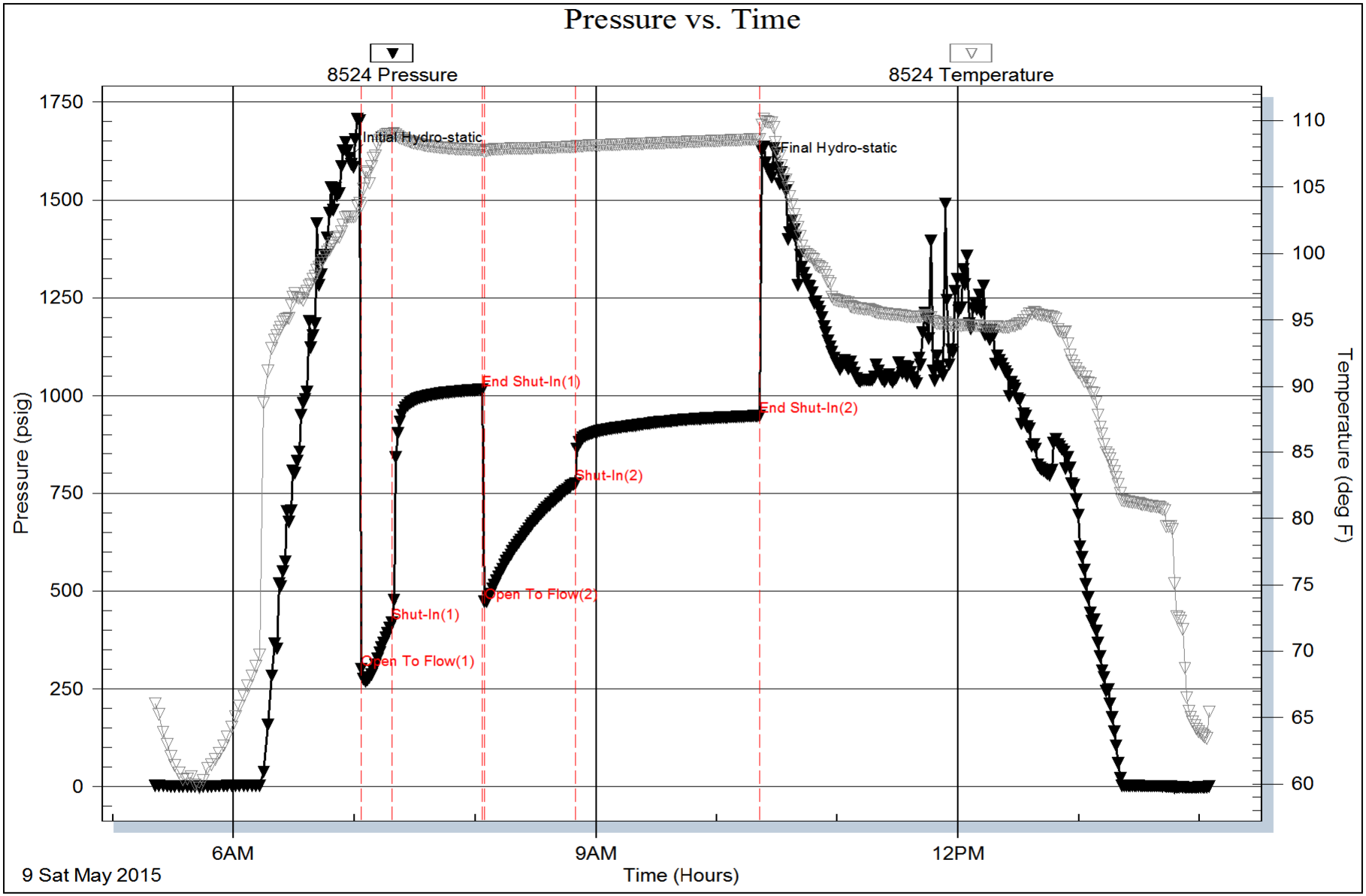
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	0.13	5.00	7.26
2	5	0.13	5.00	7.26
2	10	0.13	4.00	6.89
2	15	0.13	0.60	5.61
2	20	0.13	0.00	5.39
2	25	0.13	0.00	5.39
2	30	0.13	0.00	5.39
2	35	0.13	0.00	5.39

Serial #: 8524 **Inside** Shelby Resources LLC. Jerry's Uint #1-15 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 61996 Printed: 2015.05.09 @ 22:56:02

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61997 **DST#: 4**

Test Start: 2015.05.10 @ 01:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:29:30
Time Test Ended: 06:23:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

Interval: 3390.00 ft (KB) To 3442.00 ft (KB) (TVD)
Total Depth: 3442.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

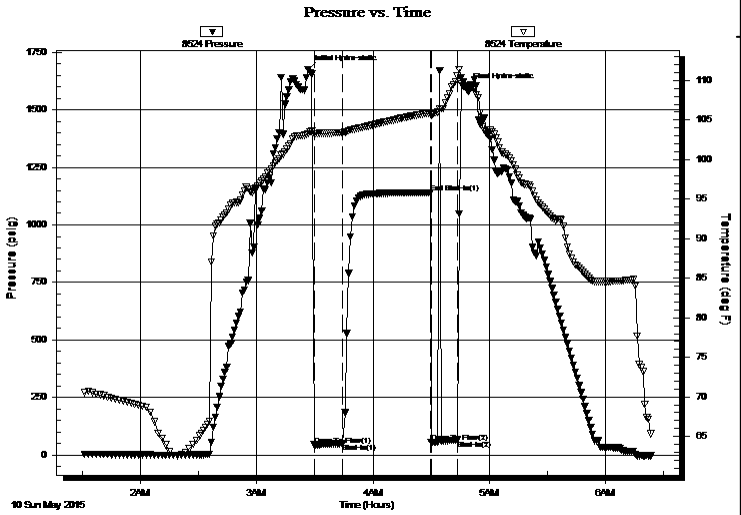
Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**

Press@RunDepth: 50.37 psig @ 3438.35 ft (KB)
Start Date: 2015.05.10 End Date: 2015.05.10
Start Time: 01:31:00 End Time: 06:23:30

Capacity: 8000.00 psig
Last Calib.: 2015.05.10
Time On Btm: 2015.05.10 @ 03:26:30
Time Off Btm: 2015.05.10 @ 04:48:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1 1/2 inches into water.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 45 Minutes. No blow, flushed tool had good flush bubbles and gained no blow. Pulled test per Geo.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.51	103.28	Initial Hydro-static
3	43.98	103.27	Open To Flow (1)
18	50.37	103.41	Shut-In(1)
63	1139.71	105.90	End Shut-In(1)
64	55.71	105.62	Open To Flow (2)
77	66.38	110.56	Shut-In(2)
82	1596.87	109.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud.	0.02

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61997 **DST#: 4**

Test Start: 2015.05.10 @ 01:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.98 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

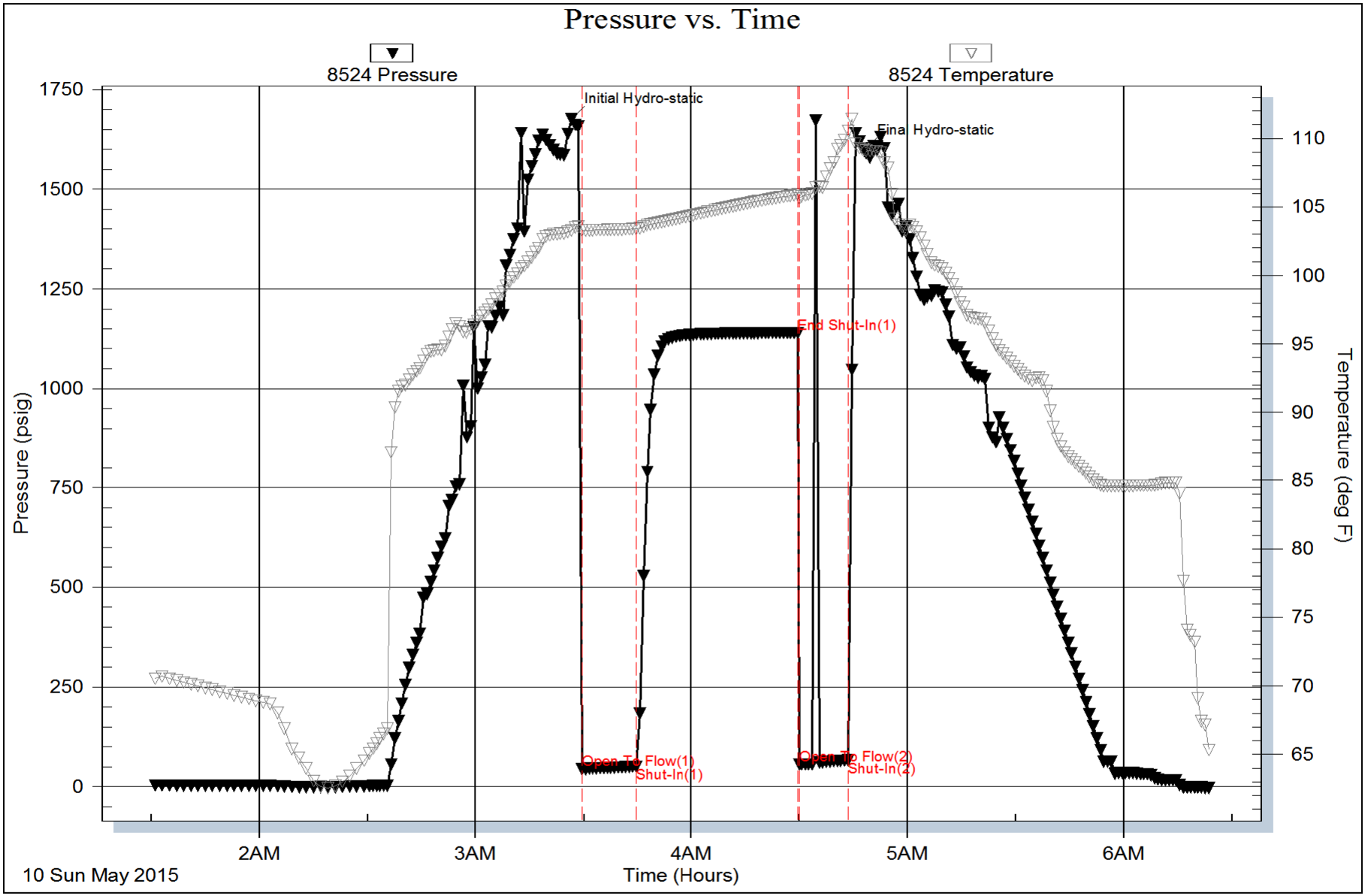
Recovery Table

Length ft	Description	Volume bbl
5.00	100% mud.	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8524 **Inside** Shelby Resources LLC. Jerry's Uint #1-15 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 61997 Printed: 2015.05.10 @ 06:55:12

Scale 1:240 Imperial

Well Name:	Jerry's Unit #1-15		
Surface Location:	193' FNL, 2277 'FWL, Sec. 15-18S-14W		
Bottom Location:			
API:	15-009-2610-0000		
License Number:			
Spud Date:	5/4/2015	Time:	5:45 AM
Region:	Barton County		
Drilling Completed:	5/10/2015	Time:	4:25 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	1926.00ft		
K.B. Elevation:	1939.00ft		
Logged Interval:	2850.00ft	To:	3570.00ft
Total Depth:	3570.00ft		
Formation:	Arbuckle		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	445 Union Blvd, Suite 208 Lakewood, CO 80228		
Contact Geologist:	Janine Sturdavant		
Contact Phone Nbr:	303-907-2209 / 720-274-4682		
Well Name:	Jerry's Unit #1-15		
Location:	193' FNL, 2277 'FWL, Sec. 15-18S-14W		
API:	15-009-2610-0000		
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

Company:	Shelby Resources, LLC		
Address:	445 UNION BLVD. Suite 208 LAKEWOOD, CO. 80228		
Phone Nbr:	203-671-6034		
Logged By:	Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources, LLC Jerry's Unit #1-15 was drilled to a total depth of 3570', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Four DST's were conducted throughout the Lansing-Kansas City and Arbuckle Zones. The DST Reports can be found at the bottom of this log.

Due to DST Results, sample shows, gas kicks, and log analysis it was determined by all parties involved to furthur test the well through production casing. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor:	Sterling Drilling Co
Rig #:	5

Rig Type:	mud rotary		
Spud Date:	5/4/2015	Time:	5:45 AM
TD Date:	5/10/2015	Time:	4:25 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1939.00ft	Ground Elevation:	1926.00ft
K.B. to Ground:	13.00ft		

DATE	DEPTH	ACTIVITY
Thursday, May 07, 2015	3050'	Geologist Jeremy Schwartz on location @ 0700hrs, ~3050', Drlg ahead through Heebner,
		Toronto, Douglas Shale, Brown Lime, CFS @3180', Drop Survey, Strap Out,
	3180'	Conduct Bit Trip, Replace PDC with Button Bit, Resume DRLG ahead through LKC
		CFS @ 3250', Conduct DST #1 in LKC "A-F"
Friday, May 08, 2015	3250'	Successful Test, Resume DRLG through LKC "G", CFS @ 3274', Conduct DST #2 in the
	3274'	LKC "G", Successful Test, Resume DRLG ahead through LKC, CFS @ 3354', Resume DRLG,
Saturday, May 09, 2015	3386'	CFS @ 3367', Resume DRLG, CFS @ 3386', Conduct DST #3 in the LKC "H-K"
		Successful Test (reversed out 2205' CGO into truck), Resume Drlg ahead through BKC,
	3438'	Conglomerate, CFS @ 3410', Resume Drlg, CFS @ 3425', Resume Drlg, CFS @ 3438',
	3442'	Resume Drlg, CFS @ 3442', Conduct DST #4 in the Arbuckle
Sunday, May 10, 2015	3442'	Successful Test, Resume Drlg, CFS @ 3448', Resume Drlg, CFS @ 3454', Resume Drlg
	3570	ahead to TD, TD @3570' reached at 1625hrs, CTCH 1hr, OOH for logs, Conduct Logging
		Operations, Logging Operations Complete @ 2345hrs
Monday, May 11, 2015	3570	Geologist Jeremy Schwartz off Location @ 0015hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	JERRY'S UNIT 1-15
LEGAL:	NW-NE-NE-NW 15-18S-14W
COUNTY:	BARTON
API :	15-009-26100-0000
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

	JERRY'S UNIT #1-15				PHILLIPS PETROLEUM CO.						SHELBY RESOURCES, LLC						SHELBY RESOURCES, LLC					
					KEENER "A" #1						WONDRA STOSS UNIT #1 -15						W-S #1-15					
	KB	1939			KB	1931					KB	1937					KB	1942				
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.	
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.		DEPTH	DATUM	CORR.		CORR.	
ANHYDRITE TOP	859	1080	860	1079							874	1063	+	17	+	16	886	1056	+	24	+	23
BASE	890	1049	892	1047							898	1039	+	10	+	8	912	1030	+	19	+	17
TOPEKA	2883	-944	2883	-944	2876	-945	+	1	+	1	2888	-951	+	7	+	7	2900	-958	+	14	+	14
HEEBNER SHALE	3103	-1164	3102	-1163	3097	-1166	+	2	+	3	3104	-1167	+	3	+	4	3115	-1173	+	9	+	10
TORONTO	3114	-1175	3112	-1173	3108	-1177	+	2	+	4	3112	-1175	+	0	+	2	3123	-1181	+	6	+	8
DOUGLAS SHALE	3128	-1189	3126	-1187	3122	-1191	+	2	+	4	3124	-1187	-	2	+	0	3135	-1193	+	4	+	6
BROWN LIME	3180	-1241	3178	-1239	3175	-1244	+	3	+	5	3177	-1240	-	1	+	1	3188	-1246	+	5	+	7
LKC	3190	-1251	3185	-1246	3184	-1253	+	2	+	7	3186	-1249	-	2	+	3	3196	-1254	+	3	+	8
LKC F	3248	-1309	3240	-1301	3240	-1309	+	0	+	8	3248	-1311	+	2	+	10	3260	-1318	+	9	+	17
LKC G	3255	-1316	3255	-1316	3252	-1321	+	5	+	5	3254	-1317	+	1	+	1	3267	-1325	+	9	+	9
MUNCIE CREEK	3317	-1378	3319	-1380	3313	-1382	+	4	+	2	3318	-1381	+	3	+	1	3328	-1386	+	8	+	6
LKC H	3323	-1384	3322	-1383	3318	-1387	+	3	+	4	3322	-1385	+	1	+	2	3331	-1389	+	5	+	6
STARK SHALE	3370	-1431	3370	-1431	3365	-1434	+	3	+	3	3371	-1434	+	3	+	3	3382	-1440	+	9	+	9
BKC	3395	-1456	3394	-1455	3389	-1458	+	2	+	3	3394	-1457	+	1	+	2	3404	-1462	+	6	+	7
CONGLOMERATE	3406	-1467	3406	-1467	3402	-1471	+	4	+	4	3410	-1473	+	6	+	6	3420	-1478	+	11	+	11
ARBUCKLE	3435	-1496	3434	-1495	3417	-1486	-	10	-	9	3420	-1483	-	13	-	12	3439	-1497	+	1	+	2
RTD			3570	-1631	3424	-1493			-	138	3530	-1593			-	38	3507	-1565			-	66
LTD	3571	-1632			3430	-1499	-	133			3531	-1594	-	38			3507	-1565	-	67		

ROCK TYPES

Congl — Lmst fw<7 — Carbon Sh

Dolprim — shale, gry — shale, red

ACCESSORIES

MINERAL
- Varicolored chert

FOSSIL
- Bioclastic or Fragmental
- F Fossils < 20%

STRINGER
- Chert

TEXTURE
- C Chalky

OTHER SYMBOLS

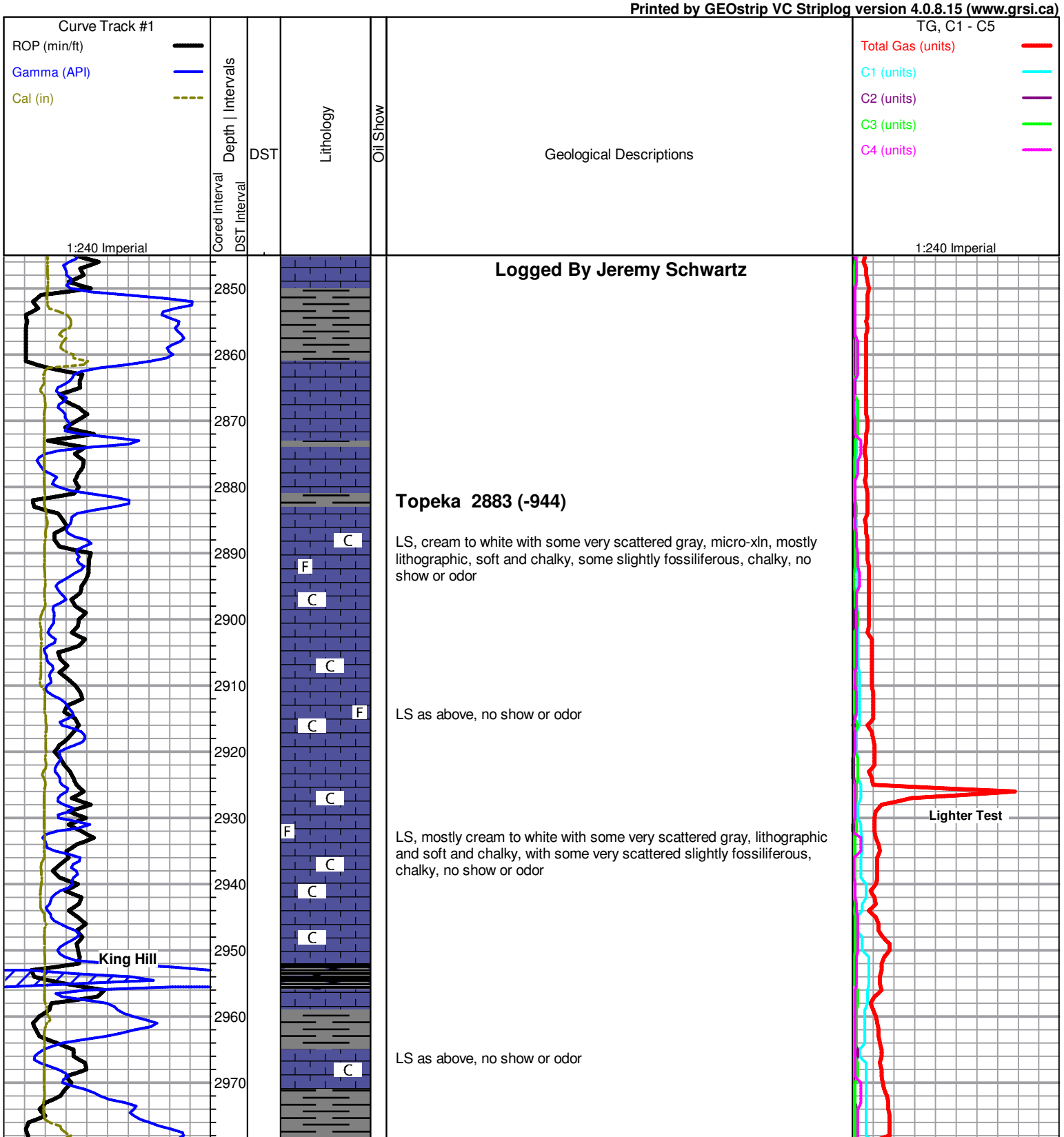
MISC

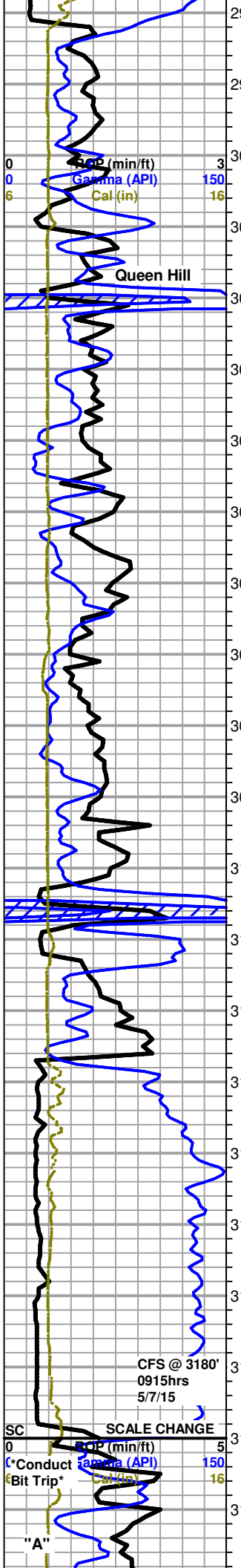
- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





2980

2990

3000

3010

3020

3030

3040

3050

3060

3070

3080

3090

3100

3110

3120

3130

3140

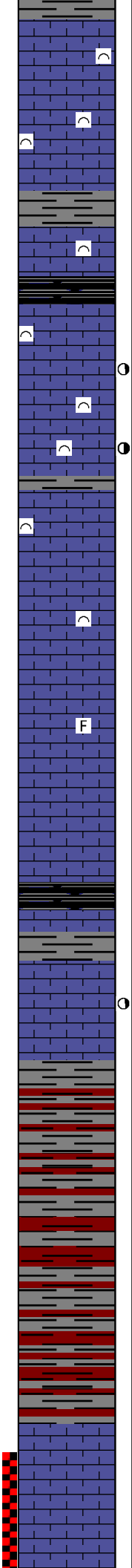
3150

3160

3170

3180

3190



LS, gray with some scattered cream., micro-xln, fossiliferous and dense with poor visible porosity, no show or odor

LS as above, some very scattered cream to gray lithographic, dense with poor visible porosity, no show or odor

LS, cream to gray, micro-xln, mix of fossiliferous and lithographic, mostly dense with poor visible porosity, found few chips gray, with one to two small edge vugs and tarry, wet black stain in vug, no odor

LS, gray to cream with some very scattered white, some fossiliferous, some lithographic, mostly dense with poor visible porosity, few small chips with one to two edge vugs and very scattered tarry, clingy, wet black stain, one chip oolitic with fair to good visible inter-oollite porosity and scattered fair wet black inter-oolite stain, no odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some slightly fossiliferous, no show or odor

LS as above, no show or odor

Heebner 3102 (-1163)

Shale, black carbonaceous

Toronto 3112 (-1173)

LS, cream to white with some scattered gray, some slightly fossiliferous, some lithographic, mostly dense with poor visible porosity, few chips with several small vugs and scattered wet black stain in vugs only, slight to fair show clingy free oil upon break, no odor

Douglas Shale 3126 (-1187)

Shale, mostly gray with some red, mostly soft and waxy, some blocky and dense

Shale as above

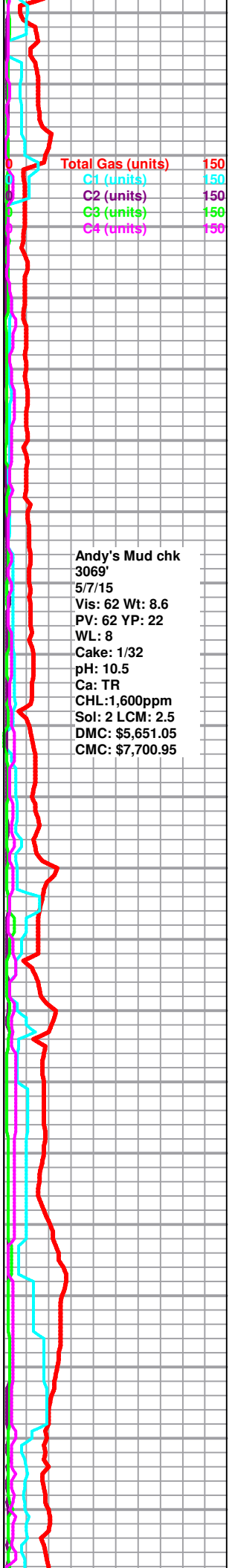
Brown Lime 3178 (-1239)

LS, brown, micro-xln, fossiliferous and dense with no visible porosity, no show or odor

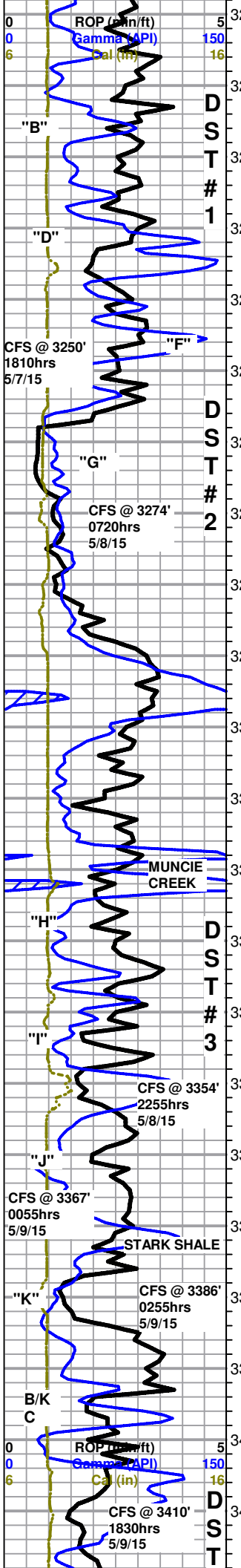
Lansing 3185 (-1246)

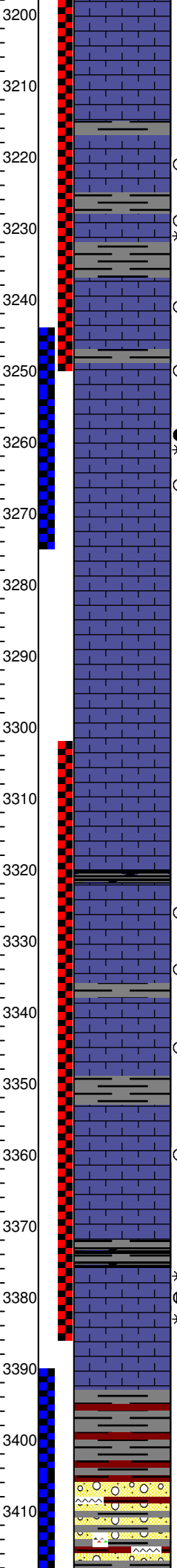
Shelby Jerrys Unit 1-15 dst 1.jpg

LS, cream with some scattered gray, micro-xln, lithographic and dense with poor visible porosity, some very scattered slightly fossiliferous, no show or odor



Andy's Mud chk
3069'
5/7/15
Vis: 62 Wt: 8.6
PV: 62 YP: 22
WL: 8
Cake: 1/32
pH: 10.5
Ca: TR
CHL:1,600ppm
Sol: 2 LCM: 2.5
DMC: $5,651.05
CMC: $7,700.95





LS as above, dense with poor visible porosity, no show or odor

LS, cream with some scattered gray, micro-xln, mostly lithographic and dense with poor visible porosity, some slightly fossiliferous, few chips (<10%) with scattered pinpoint to very slightly vuggy edges with scattered stain in porosity only, upon break chips show poor inter-xln porosity, NSFO, fair fleeting odor

Mostly same as above, few chips (<10%) with scattered pinpoint to very slightly vuggy edges and scattered stain in porosity only with fair show gas bubbles in porosity, upon break poor to fair visible inter-xln prosity, SSFO, fair fleeting odor

LS, cream, micro-xln, some lithographic, some scattered fossiliferous, some scattered chips (<15%) with poor to fair scattered pinpoint porosity and scattered light brown stain, upon break chips show some scattered fair inter-xln pinpoint porosity with FSFO (very fine, very light brown droplets), fair odor

3250' 30" LS, cream, micro-xln, some fossiliferous, some lithographic, dense with poor visible porosity, few chips (<10%) with scattered pinpoint porosity and scattered very light golden brown stain, upon break chips show scattered to very scattered inter-xln porosity and VSSFO (very fine, very light droplets) fair odor

Shelby Jerrys Unit 1-15 dst 2.jpg

~3255 LS, cream, micro-xln, oomoldic, some dense with poor visible porosity, some with fair visible oomold porosity, mostly scattered stain in and around oomolds, some scattered chips with mostly saturated to saturated stain in oomolds and matrix, with fair show gas bubbles in porosity in some chips, upon break slight to fair show free oil, SSFO in tray, fair show gas bubbles, good odor

3274' 20" LS, cream, micro-xln, oomoldic, mostly poor visible oomold porosity, some scattered chips with fair visible oomold porosity and scattered stain in and around oomolds in some chips, upon break some chips have slight to fair show free oil (some black, heavy, clingy), SSFO in tray, good odor

3274' 45" Mostly same as above with shows appearing to be dropping out, SSFO, good odor

~3280 LS, cream to white, micro-xln, mostly lithographic, some dense, some soft and chalky, some scattered oomoldic, dense with poor visible oomold porosity, slightly chalky, no show, poor odor

~3290 LS, cream to gray with some very scattered white, micro-xln, lithographic and dense with poor visible porosity, slightly chalky, no show or odor

~3300' LS, gray with some scattered cream, lithographic and dense with poor visible porosity, no show or odor

~3310' LS, gray to cream, micro-xln, lithographic and dense with poor visible porosity, no show or odor

~3320' LS, gray to cream with some scattered light brown, micro-xln, mostly lithographic and dense with poor visible porosity, found few chips ooliitc to oomoldic with poor to fair visible inter-oolite/oomoldic porosity and scattered light brown stain mostly in and around porosity, one chip mostly saturated, NSFO, fair odor

~3330' LS, cream with some scattered gray and white, micro-xln, mostly lithographic and dense with poor visible porosity, found two chips with fair pinpoint porosity and scattered light brown stain, NSFO, fair odor

3354' 30" LS, cream with some scattered gray, micro-xln, mostly lithographic and dense with poor visible porosity, found two chips oolitic with fair to good inter--oolite porosity and scattered light golden brown stain, dense, upon break VSSFO, poor odor

3354' 60" LS, cream with some gray, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered sub-oomoldic, dense and barren with poor visible porosity, few chips with scattered light golden brown stain in oomolds only, NSFO, poor odor

~3360' LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered chips with several scattered small vugs to slightly vuggy porosity with brown to black stain mostly in porosity only, SSFO upon break, fair fleeting odor

Shelby Jerrys Unit 1-15 dst 3.jpg

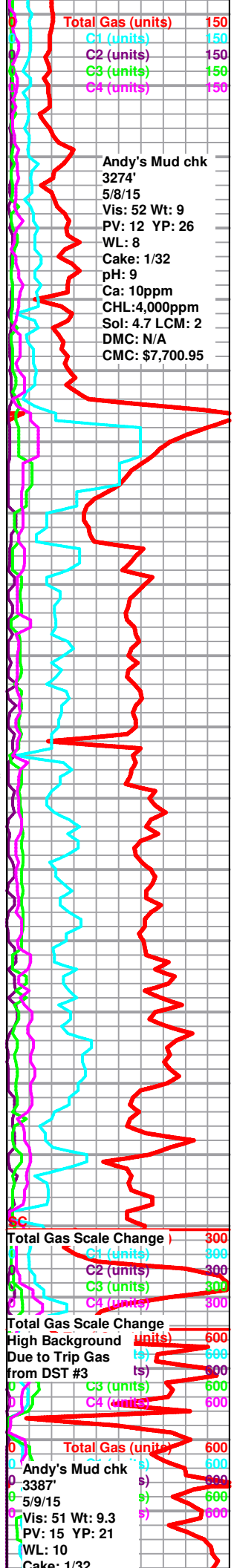
3367' 60" LS, cream with some scattered light gray and white, micro-xln, lithographic and dense with poor visible porosity, no show or odor

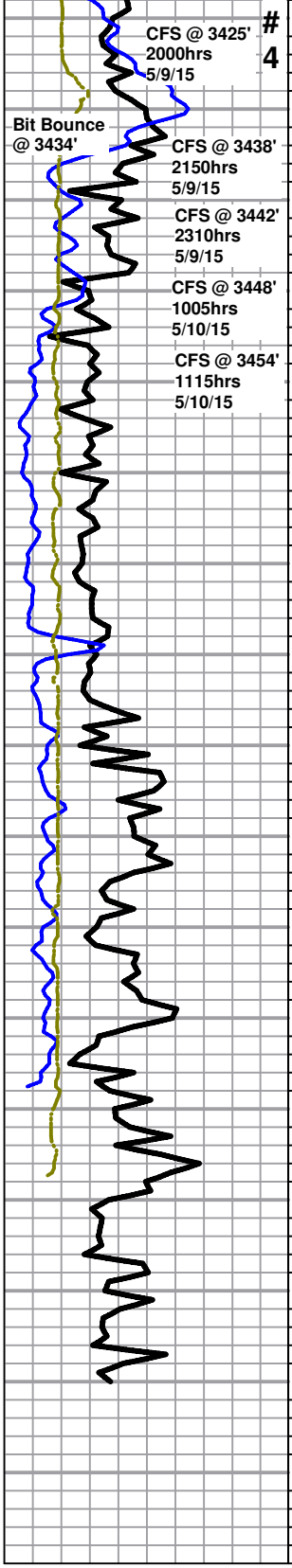
3386' 30" LS, cream to white, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered chips (~25%) with slight to fair vuggy porosity, with black stain mostly in porosity only and good show gas bubbles, upon break some chips show good inter-xln stain in matrix with SSFO, when left under lamp gas bubbles continue to bleed to surface, fair odor

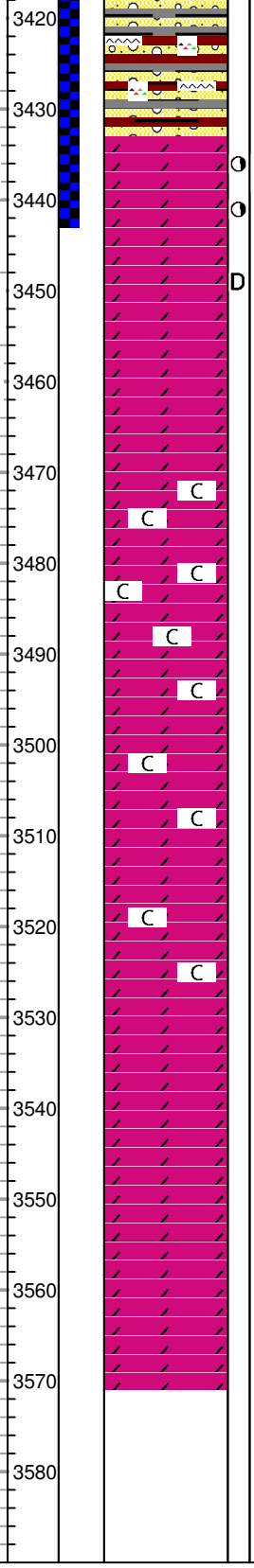
3386' 60" Mostly same as above with slight inlux in shows, also with few chips oolitic, with fair inter-oolite prosity and several small vugs with black stain and fair show gas bubbles in porosity, friable, SSFO upon break, fair odor

B/KC 3394 (-1455)

3410' 30" Mixed cream to gray and white LS, red and gray shale, and tan to







orange and red chert, heavy red wash, no show or odor

3410' 60" Conglomerate as above, red wash, no show or odor

3425' 30" & 60" Conglomerate as above, red wash, no show or odor

Arbuckle 3434 (-1495)

Shelby Jerrys Unit 1-15 dst 4.jpg

3438' 30" Conglomerate, with some very scattered dolomite, white, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, most appear barren, some sub-rhombic with poor visible porosity and very scattered stain in few chips, upon break chips show poor inter-xln porosity with SSFO, poor odor

3438' 60" Mostly same as above, with influx dolomite, mostly sub-rhombic and dense with poor visible porosity, most appear barren, some very scattered with slight very scattered stain, few chips fairly friable with slight to fair show free oil upon break, poor odor

3442' 30" Dolomite, white to cream, micro-xln, mostly sub-sucrosic and dense with poor visible porosity, barren, some scattered (~15%) sub-rhombic with some very scattered visible inter-xln porosity and very scattered brown stain, few chips fairly friable with fair show free oil upon break, poor odor

3442' 60" Mostly same as above, NSFO in tray, poor odor

~3450' Dolomite, white, micro-xln, sub-sucrosic and dense with poor visible porosity, some scattered sub-rhombic, some scattered fairly friable, very scattered wet black to dead gilsonitic stain on some chips, very chalky, no odor

~3460'-3480' Dolomite as above, mostly barren, chalky, no odor

~3490' Dolomite, white, micro-xln, sub-sucrosic and dense with poor visible porosity, some sub-rhombic, barren, no odor

Dolomite as above, no show or odor

Dolomite, white to cream, micro-xln, sub-sucrosic and dense with poor visible porosity, some scattered sub-rhombic, no show or odor

Dolomite as above, no show or odor

Dolomite, cream to white, micro-xln, sub-sucrosic and dense with poor visible porosity, no show or odor

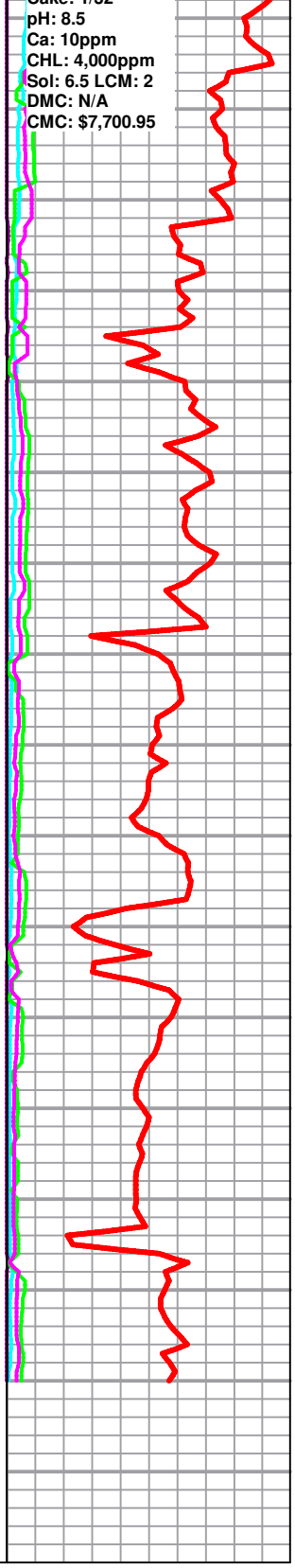
Dolomite as above, no show or odor

Dolomite, cream to white, micro-xln, sub-sucrosic and dense with poor visible porosity, no show or odor

Dolomite as above, no show or odor

Dolomite, white to cream, micro-xln, sub-sucrosic and dense with poor visible porosity, no show or odor

Rotary TD 3570' @ 1625hrs 5/10/15
Nabors Well Services Logging TD @ 3571'
Complete Logging Operations @ 2345hrs 5/10/15
Geologist Jeremy Schwartz off location @ 0015hrs 5/11/15



Shelby Jerrys Unit 1-15 dst 1.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61994 **DST#: 1**

Test Start: 2015.05.07 @ 21:00:00

GENERAL INFORMATION:

Formation: **Lansing "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:45:30
Time Test Ended: 03:45:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

Interval: 3182.00 ft (KB) To 3250.00 ft (KB) (TVD)
Total Depth: 3250.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

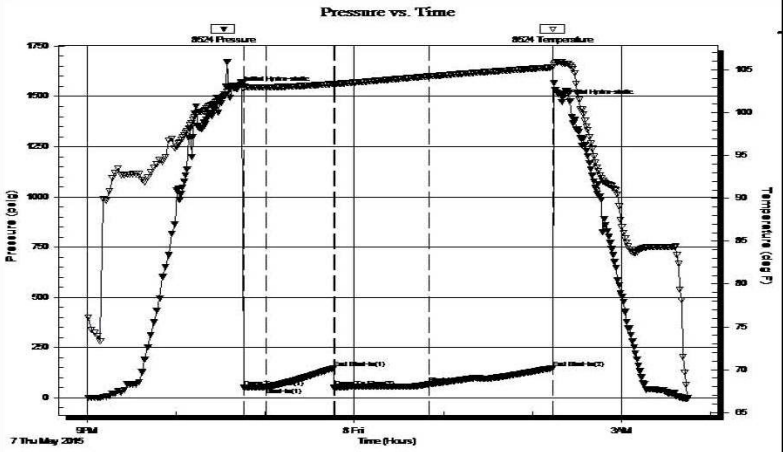
Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**

Press@RunDepth: 66.94 psig @ 3246.35 ft (KB)
Start Date: 2015.05.07 End Date: 2015.05.08
Start Time: 21:01:00 End Time: 03:45:00

Capacity: 8000.00 psig
Last Calib.: 2015.05.08
Time On Btm: 2015.05.07 @ 22:41:30
Time Off Btm: 2015.05.08 @ 02:20:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1/2 inch into water.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 52 Minutes. Weak blow built to 1/2 inch into water.
2nd Shut In/ 90 Minutes. No blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1538.54	103.21	Initial Hydro-static
4	50.30	102.78	Open To Flow (1)
19	53.83	102.98	Shut-In(1)
65	147.00	103.37	End Shut-In(1)
66	50.92	103.36	Open To Flow (2)
129	66.94	104.25	Shut-In(2)
212	147.87	105.29	End Shut-In(2)
219	1471.96	105.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.05

Gas Rates

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

Shelby Jerrys Unit 1-15 dst 2.jpg

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61995 **DST#: 2**

Test Start: 2015.05.08 @ 09:40:00

GENERAL INFORMATION:

Formation: **Lansing "G"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:53:30
Time Test Ended: 16:28:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

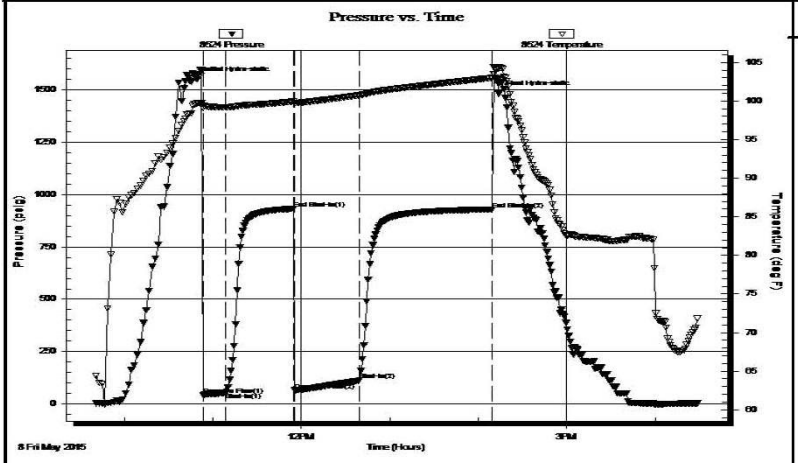
Interval: 3244.00 ft (KB) To 4274.00 ft (KB) (TVD)
Total Depth: 3274.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**
Press@RunDepth: 112.75 psig @ 3270.00 ft (KB)
Start Date: 2015.05.08 End Date: 2015.05.08
Start Time: 09:41:00 End Time: 16:28:30

Capacity: 8000.00 psig
Last Calib.: 2015.05.08
Time On Btm: 2015.05.08 @ 10:49:30
Time Off Btm: 2015.05.08 @ 14:14:00

TEST COMMENT: 1st Open/ 15 Minutes. Good blow built to bottom of 5 gallon bucket in 3 minutes and 30 seconds.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 45 Minutes. Strong blow built to bottom of 5 gallon bucket in 30 seconds.
2nd Shut In/ 90 Minutes. Good blow back built to bottom of 5 gallon bucket in 27 minutes aand 15 seconds.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1552.31	99.71	Initial Hydro-static
4	40.31	99.08	Open To Flow (1)
19	53.00	99.20	Shut-In(1)
65	932.08	99.93	End Shut-In(1)
66	64.83	99.76	Open To Flow (2)
110	112.75	100.75	Shut-In(2)
200	929.50	102.99	End Shut-In(2)
205	1482.66	104.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	630 feet Gas in Pipe	0.00
315.00	100% Clean Gassy Oil	3.87
126.00	Gassy Oil cut Mud	1.77
0.00	20% gas, 30% oil, 50% mud	0.00

Gas Rates

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

Shelby Jerrys Unit 1-15 dst 3.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61996 **DST#: 3**

Test Start: 2015.05.09 @ 05:20:00

GENERAL INFORMATION:

Formation: **Lansing "H-K"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:03:30
Time Test Ended: 14:04:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

Interval: 3302.00 ft (KB) To 3386.00 ft (KB) (TVD)
Total Depth: 3386.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

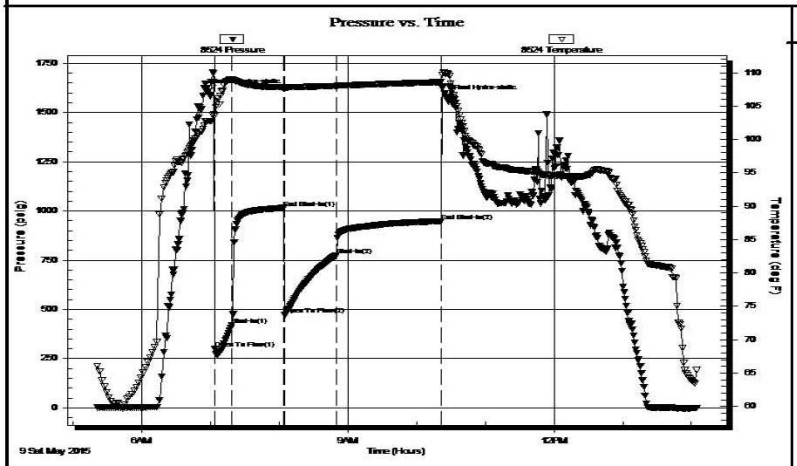
Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**

Press@RunDepth: 774.03 psig @ 3382.25 ft (KB)
Start Date: 2015.05.09 End Date: 2015.05.09
Start Time: 05:21:00 End Time: 14:04:30

Capacity: 8000.00 psig
Last Calib.: 2015.05.09
Time On Btm: 2015.05.09 @ 06:57:30
Time Off Btm: 2015.05.09 @ 10:25:30

TEST COMMENT: 1st Open/ 15 Minutes. Strong blow built to bottom of 5 gallon bucket in 45 seconds.
1st Shut In/ 45 Minutes. Blow back built to bottom of 5 gallon bucket in 5 minutes. Gas to surface in 5 minutes.
2nd Open/ 45 Minutes. Strong blow built to bottom of 5 gallon bucket in 40 seconds.
2nd Shut In/ 90 Minutes. Blow back built to bottom of 5 gallon bucket in 4 minutes.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1606.99	102.76	Initial Hydro-static
6	301.00	103.57	Open To Flow (1)
21	418.98	108.98	Shut-In(1)
66	1015.95	107.80	End Shut-In(1)
67	472.21	107.65	Open To Flow (2)
112	774.03	108.02	Shut-In(2)
204	948.86	108.59	End Shut-In(2)
208	1578.87	109.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2205.00	100% clean gassy oil	30.38
0.00	Oil reversed to truck.	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	5.00	7.26
Last Gas Rate	0.13	0.00	5.39
Max. Gas Rate	0.13	5.00	7.26

Shelby Jerrys Unit 1-15 dst 4.jpg

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources LLC.

2717 Canal BLVD Suite C
Hays Ks, 67601

ATTN: Jeremy Schwartz

15/18s/14w/Barton

Jerry's Uint #1-15

Job Ticket: 61997 **DST#: 4**

Test Start: 2015.05.10 @ 01:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:29:30
Time Test Ended: 06:23:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Shane Konzem
Unit No: 56/26/Great Bend

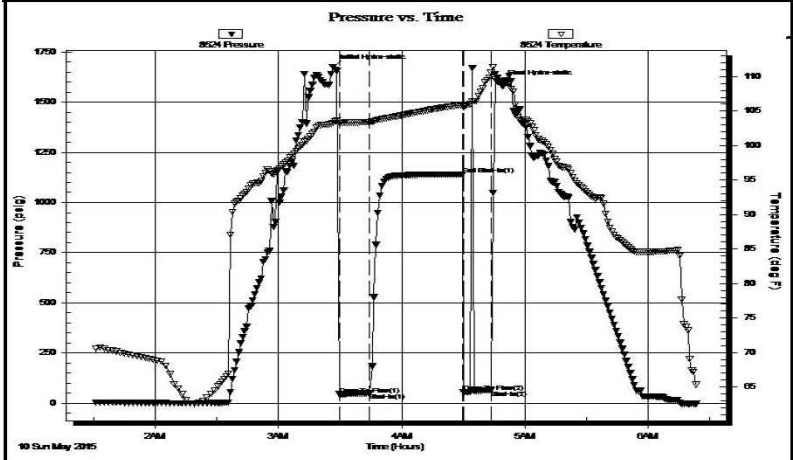
Interval: 3390.00 ft (KB) To 3442.00 ft (KB) (TVD)
Total Depth: 3442.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1939.00 ft (KB)
1926.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8524 **Inside**
Press@RunDepth: 50.37 psig @ 3438.35 ft (KB)
Start Date: 2015.05.10 End Date: 2015.05.10
Start Time: 01:31:00 End Time: 06:23:30

Capacity: 8000.00 psig
Last Calib.: 2015.05.10
Time On Btm: 2015.05.10 @ 03:26:30
Time Off Btm: 2015.05.10 @ 04:48:00

TEST COMMENT: 1st Open/ 15 Minutes. Weak blow built to 1 1/2 inches into water.
1st Shut In/ 45 Minutes. No blow back.
2nd Open/ 45 Minutes. No blow, flushed tool had good flush bubbles and gained no blow. Pulled test per Geo.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1675.51	103.28	Initial Hydro-static
3	43.98	103.27	Open To Flow (1)
18	50.37	103.41	Shut-In(1)
63	1139.71	105.90	End Shut-In(1)
64	55.71	105.62	Open To Flow (2)
77	66.38	110.56	Shut-In(2)
82	1596.87	109.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	100% mud.	0.02

Gas Rates

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