Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1262829

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: 2717 Canal Blvd
Address 2: Suite C
City: HAYS State: KS Zip: 67601 + ____
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 #:

07/28/2015 — Spud Date or Recompletion Date
08/04/2015 — Date Reached TD
08/19/2015 — Completion Date or Recompletion Date

API No. 15 - 15-009-26114-00-00
Spot Description:
SW NW SE SE Sec. 24 Twp. 18 S. R. 14 ☐ East ☑ West
808 Feet from ☐ North / ☑ South Line of Section
1169 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: McCurry Well #: 1-24
Field Name:
Producing Formation: Arbuckle
Elevation: Ground: 1897 Kelly Bushing: 1908
Total Vertical Depth: 3500 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 846 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: 43000 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 #3-24 License #: 31725
Quarter SW Sec. 24 Twp. 17 S. R. 13 ☐ East ☑ West
County: Barton Permit #: D-31557

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: 08/31/2015
☑ **Confidential Release Date:** 08/30/2017
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ I ☐ II ☐ III **Approved by:** NAOMI JAMES **Date:** 08/31/2015

[redacted]

1262829

Operator Name: Shelby Resources LLC Lease Name: McCurry Well #: 1-24

Sec. 24 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	3075	-1167
L-KC	3162	-1254
Stark Shale	3349	-1441
Base KC	3366	-1458
Arbuckle	3390	-1482
LTD	3500	-1592

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	846	60/40 Poz	350	2% gel/ 3% cc
Production	7.875	5.5	14	3472	AA2	100	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
4	3410-15	200 15% INS	

TUBING RECORD: Size: 2.375 Set At: 3427 Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 08/19/2015

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

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	24				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	McCurry 1-24
Doc ID	1262829

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Radial Bond

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	McCurry 1-24
Doc ID	1262829

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	846	60/40 Poz	350	2% gel/ 3% cc
Production	7.875	5.5	14	3472	AA2	100	2% gel/ 3% cc

DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

McCURRY 1-24

24-18S-14W BARTON

Start Date: 2015.07.31 @ 08:13:00

End Date: 2015.07.31 @ 00:00:00

Job Ticket #: 010050 DST #: 1

Eagle Testers

1309 Patton Road Great Bend, Kansas 67530

620-791-7394

Printed: 2015.07.31 @ 16:06:41

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 010050 **DST#: 1**

Test Start: 2015.07.31 @ 08:13:00

GENERAL INFORMATION:

Formation: **LANSING 'A-F'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3155.00 ft (KB) To 3140.00 ft (KB) (TVD)
Total Depth: 3140.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

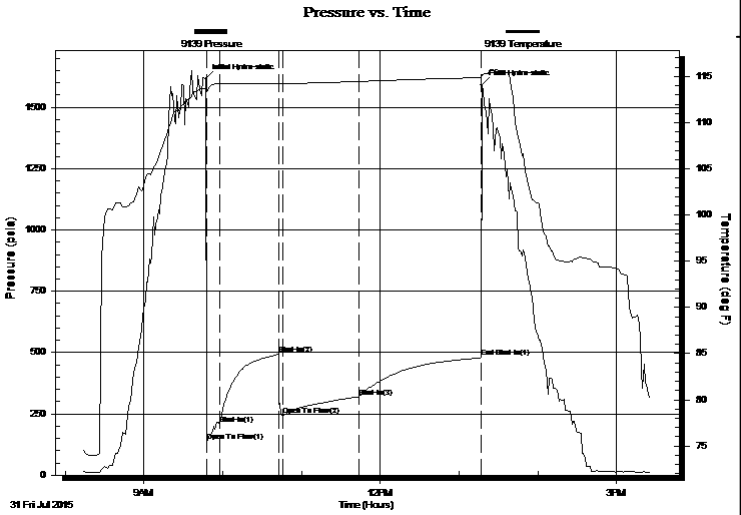
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Inside**

Press@RunDepth: 480.49 psia @ 3235.06 ft (KB)
Start Date: 2015.07.31 End Date: 2015.07.31
Start Time: 08:13:00 End Time: 15:26:30

Capacity: 5000.00 psia
Last Calib.: 2015.07.31
Time On Btm: 2015.07.31 @ 09:47:00
Time Off Btm: 2015.07.31 @ 13:17:30

TEST COMMENT: 1ST OPENING 10 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCET IN 3 MINUTES
1ST SHUT-IN 45 MINUTES-WEAK BLOW BACK FOR 10 MINUTES AND DIED
2ND OPENING 60 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF BUCKET BUCKET IN 90 SECONDS
2ND SHUT-IN 90 MINUTES-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1615.78	113.76	Initial Hydro-static
1	137.66	113.33	Open To Flow (1)
11	206.43	114.19	Shut-In(1)
56	493.09	114.29	Shut-In(2)
59	242.67	114.20	Open To Flow (2)
117	319.87	114.46	Shut-In(3)
210	480.49	114.89	End Shut-In(1)
211	1592.07	115.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OIL AND GAS CUT MUDDY WATER	0.30
0.00	5 GAS 5 OIL 40 MUD 40 WATER	0.00
120.00	HEAVY OIL AND GAS CUT MUDDY WAT	0.59
0.00	40 GAS 30 OIL 10 MUD 20 WATER	0.00
120.00	GASSY FROTHY OIL	1.41
0.00	60 GAS 30 OIL 6 MUD4 w ater	0.00

Gas Rates

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

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 010050 **DST#: 1**

Test Start: 2015.07.31 @ 08:13:00

GENERAL INFORMATION:

Formation: **LANSING 'A-F'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3155.00 ft (KB) To 3140.00 ft (KB) (TVD)
Total Depth: 3140.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

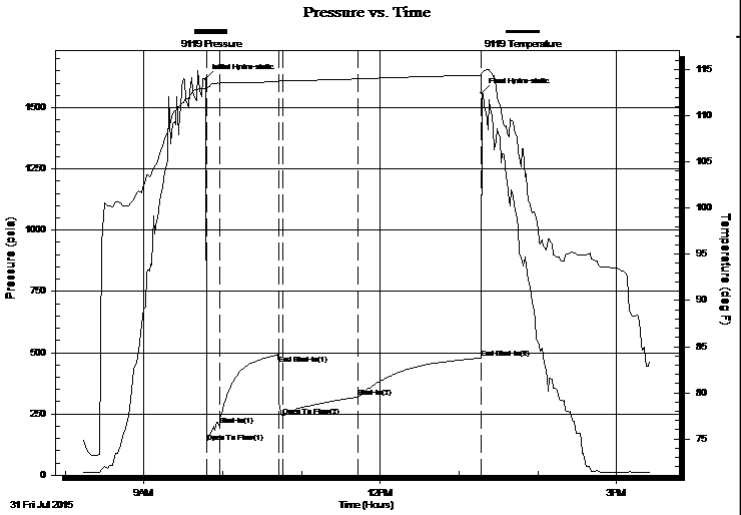
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Outside**

Press@RunDepth: 477.60 psia @ 3235.06 ft (KB)
Start Date: 2015.07.31 End Date: 2015.07.31
Start Time: 08:13:00 End Time: 15:26:00

Capacity: 5000.00 psia
Last Calib.: 2015.07.31
Time On Btm: 2015.07.31 @ 09:47:00
Time Off Btm: 2015.07.31 @ 13:17:30

TEST COMMENT: 1ST OPENING 10 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCET IN 3 MINUTES
1ST SHUT-IN 45 MINUTES-WEAK BLOW BACK FOR 10 MINUTES AND DIED
2ND OPENING 60 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF BUCKET BUCKET IN 90 SECONDS
2ND SHUT-IN 90 MINUTES-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1617.88	112.97	Initial Hydro-static
1	136.30	112.58	Open To Flow (1)
11	202.48	113.51	Shut-In(1)
56	453.81	113.65	End Shut-In(1)
59	241.07	113.77	Open To Flow (2)
117	318.83	113.97	Shut-In(2)
210	477.60	114.38	End Shut-In(2)
211	1559.84	114.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OIL AND GAS CUT MUDDY WATER	0.30
0.00	5 GAS 5 OIL 40 MUD 40 WATER	0.00
120.00	HEAVY OIL AND GAS CUT MUDDY WAT	0.59
0.00	40 GAS 30 OIL 10 MUD 20 WATER	0.00
120.00	GASSY FROTHY OIL	1.41
0.00	60 GAS 30 OIL 6 MUD4 w ater	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 010050 **DST#: 1**

Test Start: 2015.07.31 @ 08:13:00

Tool Information

Drill Pipe:	Length:	2931.00 ft	Diameter:	3.80 inches	Volume:	41.11 bbl	Tool Weight:		2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	210.00 ft	Diameter:	2.25 inches	Volume:	1.03 bbl	Weight to Pull Loose:		72000.00 lb
					Total Volume:	42.14 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		15.00 ft					String Weight:	Initial	62000.00 lb
Depth to Top Packer:		3155.00 ft						Final	65000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		85.06 ft							
Tool Length:		114.06 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3131.00		
Hydraulic tool	5.00			3136.00		
Jars	7.00			3143.00		
Safety Joint	2.00		Fluid	3145.00		
Top Packer	5.00			3150.00		
Packer	5.00			3155.00	29.00	Bottom Of Top Packer
Anchor	5.00			3160.00		
Change Over Sub	0.75			3160.75		
Drill Pipe	63.56			3224.31		
Change Over Sub	0.75			3225.06		
Anchor	10.00			3235.06		
Recorder	0.00	9139	Inside	3235.06		
Recorder	0.00	9119	Outside	3235.06		
Bullnose	5.00			3240.06	85.06	Anchor Tool
Total Tool Length:	**114.06**					

DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 010050 **DST#: 1**

Test Start: 2015.07.31 @ 08:13:00

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:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	3600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	OIL AND GAS CUT MUDDY WATER	0.295
0.00	5 GAS 5 OIL 40 MUD 40 WATER	0.000
120.00	HEAVY OIL AND GAS CUT MUDDY WATER	0.590
0.00	40 GAS 30 OIL 10 MUD 20 WATER	0.000
120.00	GASSY FROTHY OIL	1.410
0.00	60 GAS 30 OIL 6 MUD4 w ater	0.000
120.00	GASSY FROTHY OIL	1.683
0.00	20 GAS 70 OIL 6 MUD 4 WATER	0.000
120.00	OIL AND GAS CUT MUDDY WATER	1.683
0.00	10 GAS 30 OIL 35 MUD 25 WATER	0.000
65.00	VERY THIICH HEAVY MUD NO GRIND OUT	0.912
0.00	1500 FEET OF GAS IN THE PIPE	0.000
0.00	CHLORIDES38000	0.000

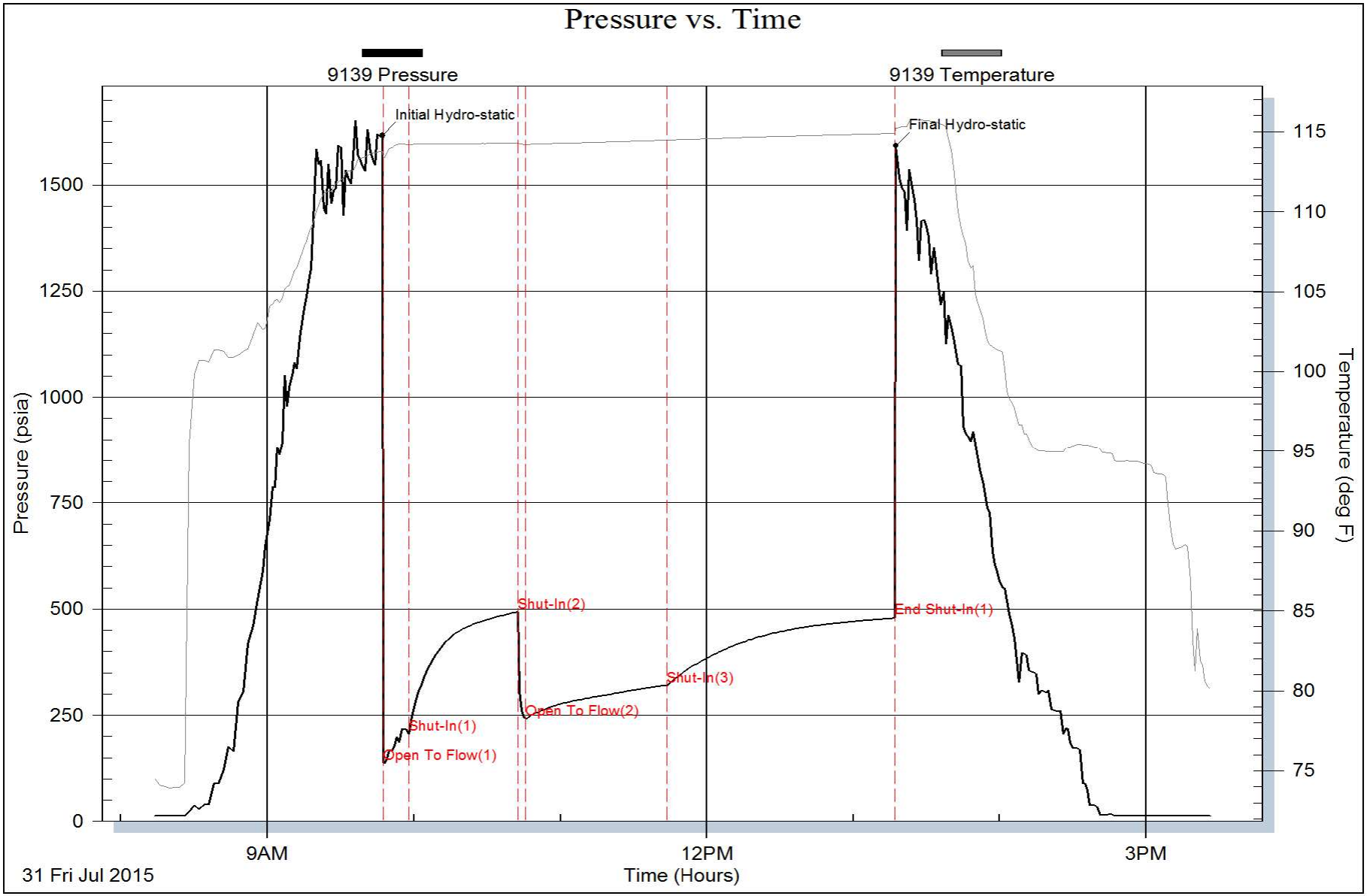
Total Length: 605.00 ft Total Volume: 6.573 bbl

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

Laboratory Name: Laboratory Location:

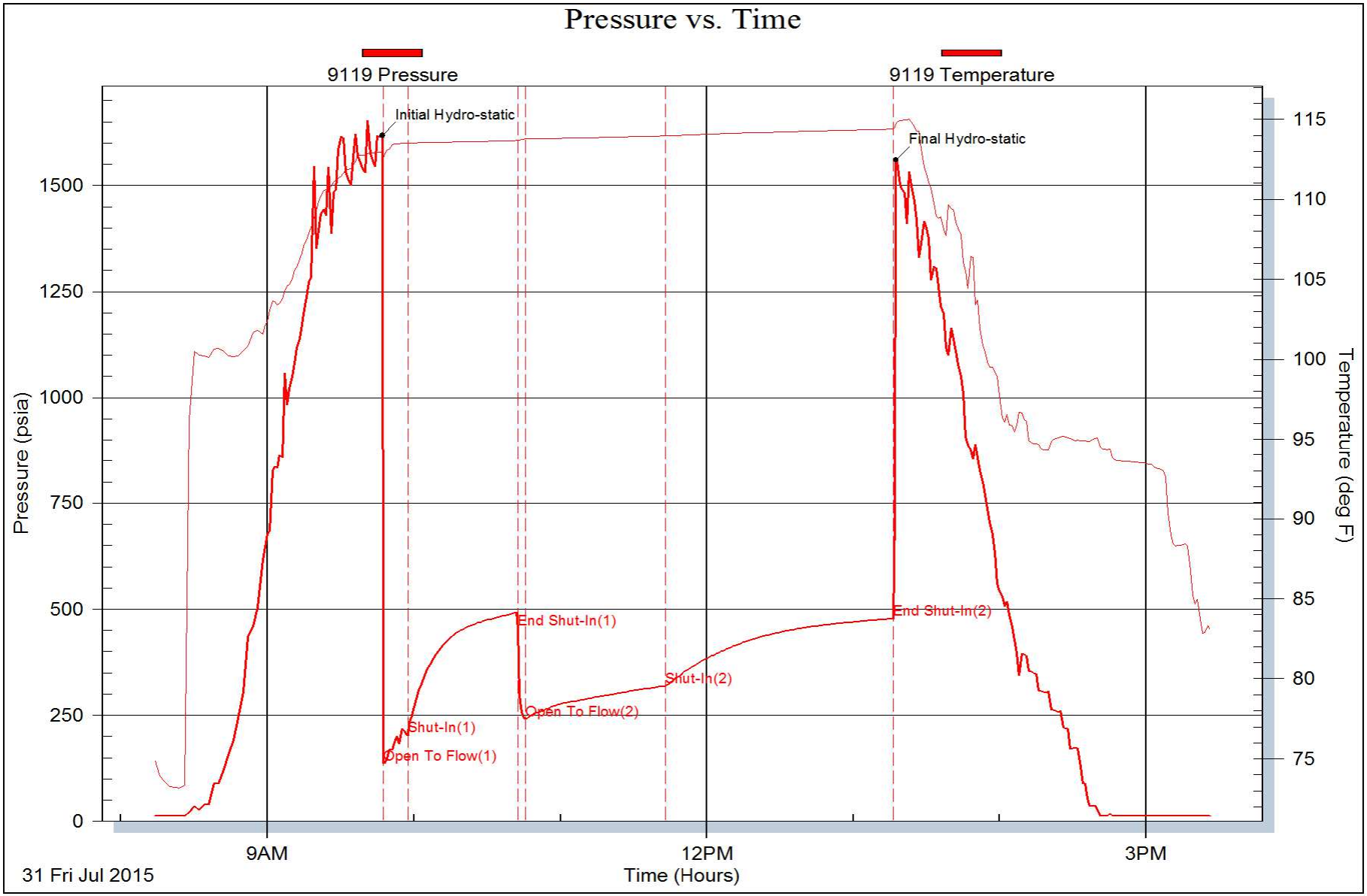
Recovery Comments:

Serial #: 9139 **Inside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 1



Eagle Testers Ref. No: 010050 Printed: 2015.07.31 @ 16:06:43

Serial #: 9119 **Outside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 1



Eagle Testers Ref. No: 010050 Printed: 2015.07.31 @ 16:06:43

DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

McCURRY 1-24

24-18S-14W BARTON

Start Date: 2015.08.01 @ 02:19:00
End Date: 2015.08.01 @ 00:00:00
Job Ticket #: 01225 DST #: 2

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.08.01 @ 09:40:43

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01225 **DST#: 2**

Test Start: 2015.08.01 @ 02:19:00

GENERAL INFORMATION:

Formation: **LANSING 'H'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Inflate Bottom Hole (Initial)
Tester: GENE BUIDIG
Unit No: 1

Interval: 3272.00 ft (KB) To 3322.00 ft (KB) (TVD)
Total Depth: 3322.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

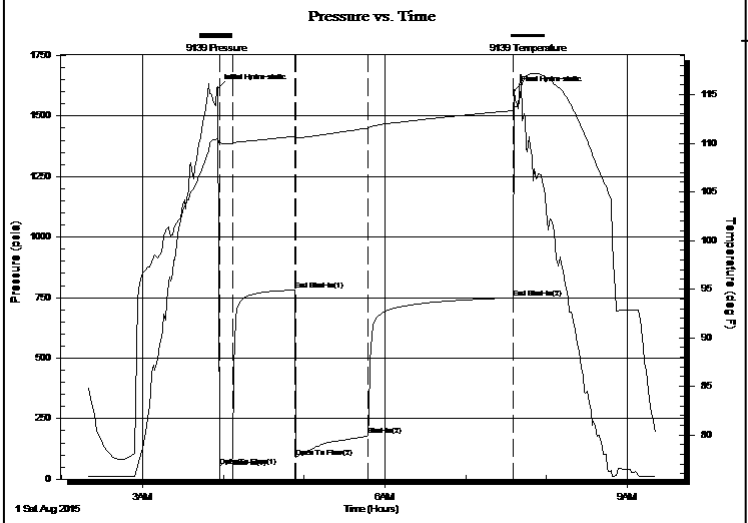
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**

Press@RunDepth: 749.57 psia @ 3317.37 ft (KB)
Start Date: 2015.08.01 End Date: 2015.08.01
Start Time: 02:19:00 End Time: 09:21:30

Capacity: 5000.00 psia
Last Calib.: 2015.08.01
Time On Btm: 2015.08.01 @ 03:56:00
Time Off Btm: 2015.08.01 @ 07:36:00

TEST COMMENT: 1ST OPENING 10 MINUTES WEAK BUILDING BLOW BUILT TO 4 1/2 INCHES INTO THE WATER
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 60 MINUTES-WEAK BUILDING BLOW BUILT TO THE BOTTOM OF THE BUCKET IN 55 MIN.
2ND SHUT-IN 105 MINUTES-NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1614.98	110.44	Initial Hydro-static
1	52.01	109.89	Open To Flow (1)
11	84.75	109.92	Shut-In(1)
58	781.54	110.74	End Shut-In(1)
58	90.22	110.40	Open To Flow (2)
112	180.37	111.56	Shut-In(2)
219	749.57	113.36	End Shut-In(2)
220	1603.98	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VERY SLIGHTLY OIL CUT MUDDY WATE	0.27
0.00	35 MUD 64 WATER 1 OIL	0.00
150.00	WATER 5 MUD 95 WATER	0.74
0.00	CHLORIDES 62000	0.00

Gas Rates

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

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01225 **DST#: 2**

Test Start: 2015.08.01 @ 02:19:00

GENERAL INFORMATION:

Formation: **LANSING 'H'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Inflate Bottom Hole (Initial)
Tester: GENE BUIDIG
Unit No: 1

Interval: 3272.00 ft (KB) To 3322.00 ft (KB) (TVD)
Total Depth: 3322.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

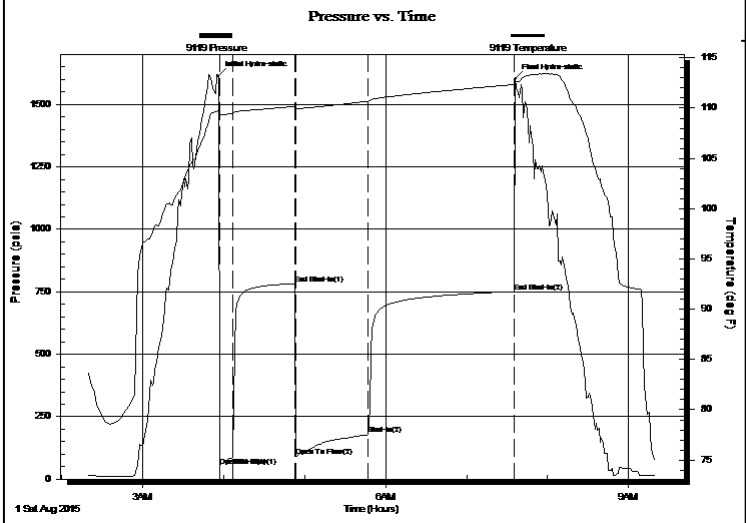
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**

Press@RunDepth: 750.59 psia @ 3317.37 ft (KB)
Start Date: 2015.08.01 End Date: 2015.08.01
Start Time: 02:19:00 End Time: 09:20:30

Capacity: 5000.00 psia
Last Calib.: 2015.08.01
Time On Btm: 2015.08.01 @ 03:56:00
Time Off Btm: 2015.08.01 @ 07:36:00

TEST COMMENT: 1ST OPENING 10 MINUTES WEAK BUILDING BLOW BUILT TO 4 1/2 INCHES INTO THE WATER
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 60 MINUTES-WEAK BUILDING BLOW BUILT TO THE BOTTOM OF THE BUCKET IN 55 MIN.
2ND SHUT-IN 105 MINUTES-NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1615.00	109.74	Initial Hydro-static
1	53.19	109.36	Open To Flow (1)
11	86.25	109.45	Shut-In(1)
58	782.64	110.17	End Shut-In(1)
58	91.45	109.94	Open To Flow (2)
111	178.13	110.70	Shut-In(2)
219	750.59	112.34	End Shut-In(2)
220	1602.53	112.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VERY SLIGHTLY OIL CUT MUDDY WATE	0.27
0.00	35 MUD 64 WATER 1 OIL	0.00
150.00	WATER 5 MUD 95 WATER	0.74
0.00	CHLORIDES 62000	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01225 **DST#: 2**

Test Start: 2015.08.01 @ 02:19:00

Tool Information

Drill Pipe:	Length:	3056.00 ft	Diameter:	3.80	inches	Volume:	42.87	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25	inches	Volume:	1.07	bbl	
						Total Volume:	43.94	bbl	

Drill Pipe Above KB:	30.00 ft
Depth to Top Packer:	3272.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	50.37 ft
Tool Length:	79.37 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		76000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	65000.00 lb
	Final	65000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3248.00		
Hydraulic tool	5.00			3253.00		
Jars	7.00			3260.00		
Safety Joint	2.00		Fluid	3262.00		
Top Packer	5.00			3267.00		
Packer	5.00			3272.00	29.00	Bottom Of Top Packer
Anchor	5.00			3277.00		
Change Over Sub	0.75			3277.75		
Drill Pipe	31.87			3309.62		
Change Over Sub	0.75			3310.37		
Anchor	7.00			3317.37		
Recorder	0.00	9119	Inside	3317.37		
Recorder	0.00	9139	Outside	3317.37		
Bullnose	5.00			3322.37	50.37	Anchor Tool
Total Tool Length:	**79.37**					

DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01225 **DST#: 2**

Test Start: 2015.08.01 @ 02:19:00

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:	59.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.20 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	3600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

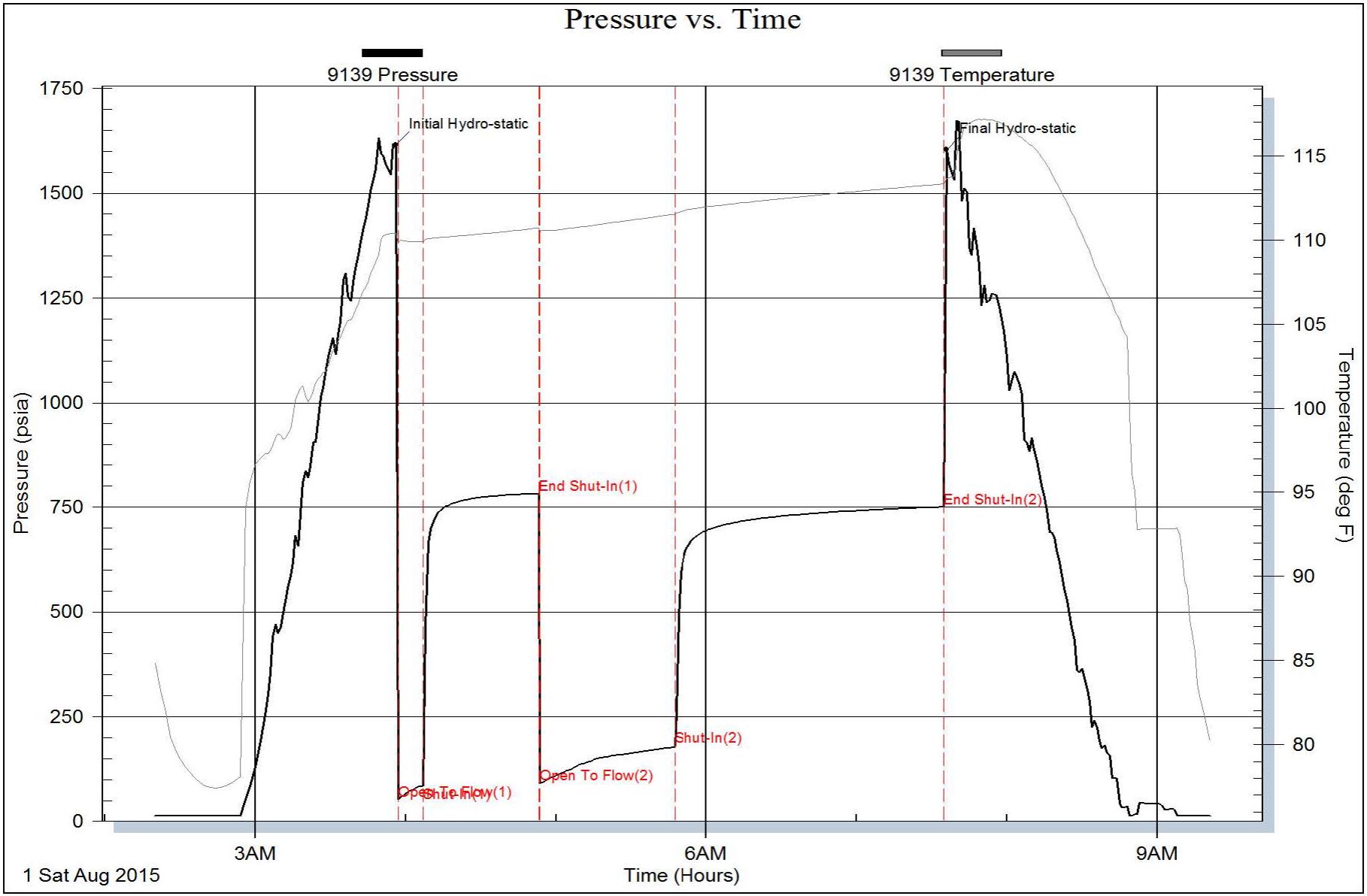
Recovery Table

Length ft	Description	Volume bbl
55.00	VERY SLIGHTLY OIL CUT MUDDY WATER	0.270
0.00	35 MUD 64 WATER 1 OIL	0.000
150.00	WATER 5 MUD 95 WATER	0.738
0.00	CHLORIDES 62000	0.000

Total Length: 205.00 ft Total Volume: 1.008 bbl

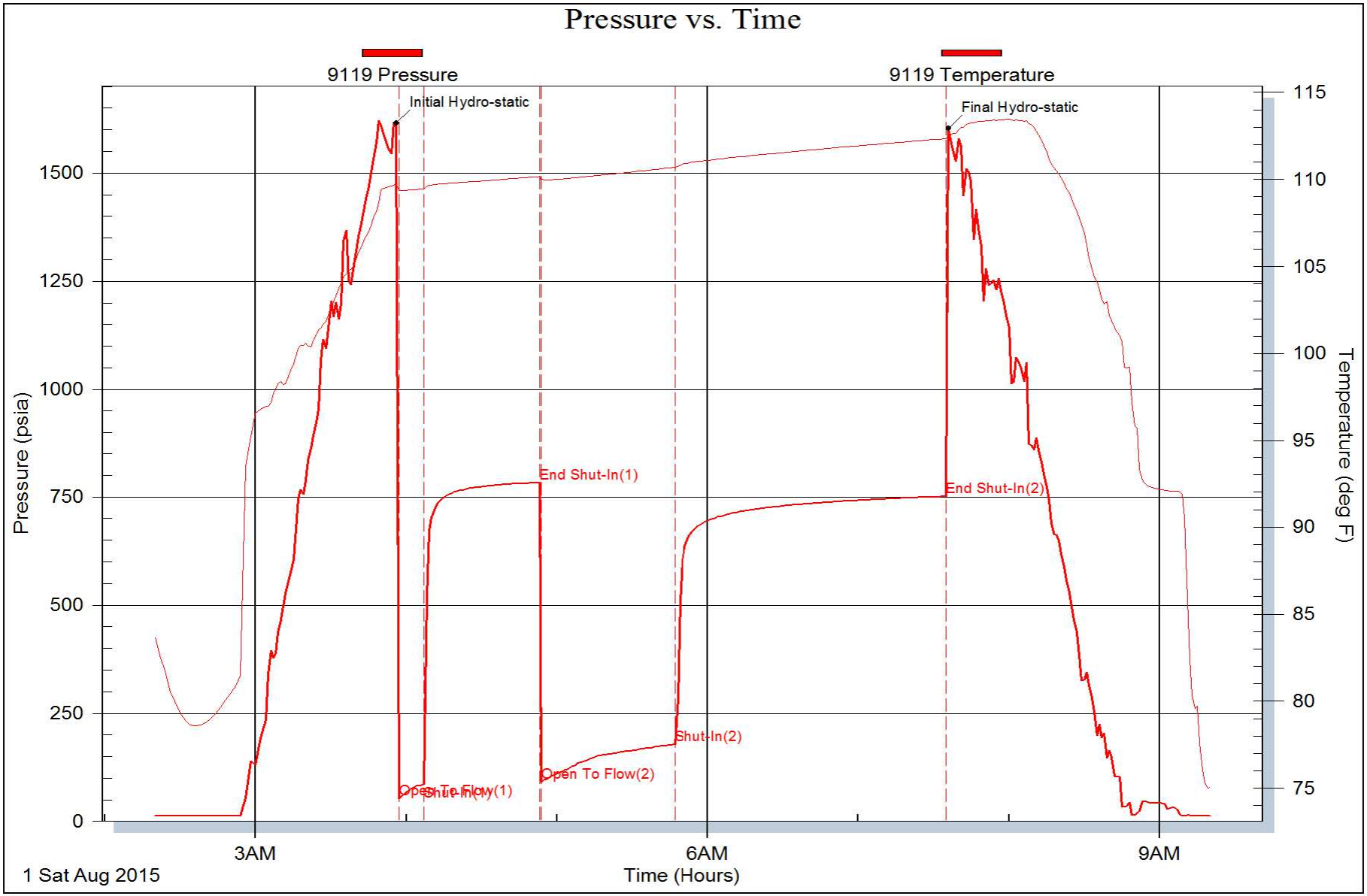
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 9139 **Outside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 2



Eagle Testers Ref. No: 01225 Printed: 2015.08.01 @ 09:40:45

Serial #: 9119 **Inside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 2



Eagle Testers Ref. No: 01225 Printed: 2015.08.01 @ 09:40:45

DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

McCURRY 1-24

24-18S-14W BARTON

Start Date: 2015.08.02 @ 10:42:00
End Date: 2015.08.02 @ 00:00:00
Job Ticket #: 01228 DST #: 4

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.08.02 @ 19:42:42

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01228 **DST#: 4**

Test Start: 2015.08.02 @ 10:42:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3370.00 ft (KB) To 3415.00 ft (KB) (TVD)
Total Depth: 3415.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

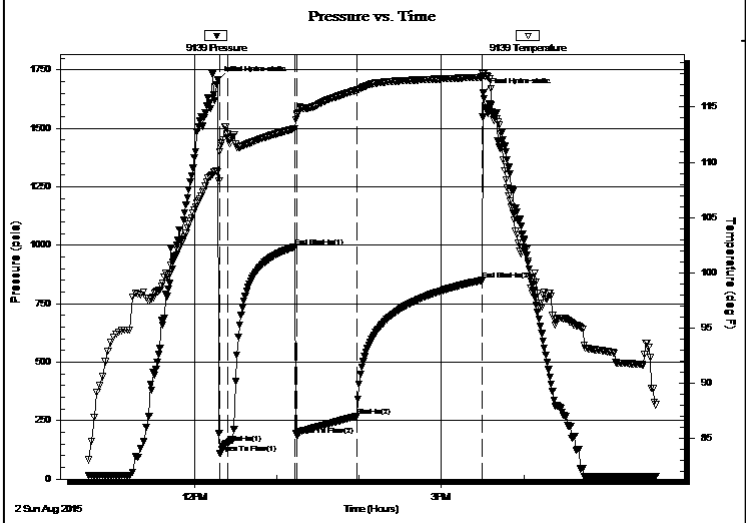
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**

Press@RunDepth: 850.13 psia @ 3410.00 ft (KB)
Start Date: 2015.08.02 End Date: 2015.08.02
Start Time: 10:43:00 End Time: 17:36:00

Capacity: 5000.00 psia
Last Calib.: 2015.08.02
Time On Btm: 2015.08.02 @ 12:17:00
Time Off Btm: 2015.08.02 @ 15:30:30

TEST COMMENT: 1ST OPENING 10 MINUTES GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 1/2 MIN.
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 45 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 5 MINUTES
2ND SHUT-IN 90 MINUTES- NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1705.80	109.12	Initial Hydro-static
2	109.85	110.97	Open To Flow (1)
8	152.55	112.20	Shut-In(1)
56	993.02	113.04	End Shut-In(1)
58	187.41	114.29	Open To Flow (2)
102	269.55	116.53	Shut-In(2)
193	850.13	117.70	End Shut-In(2)
194	1654.20	117.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLIGHTLY MUD CUT OIL	0.30
0.00	10 GAS 80 OIL 5 MUD 5 w ater	0.00
120.00	CLEAN GASSY OIL 10 GAS 90 OIL	0.59
120.00	SLIGHTLY MUD CUT GASSY OIL	1.35
0.00	10 GAS 70 OIL 20 MUD	0.00
180.00	MUD CUT GASSY OIL	2.52

Gas Rates

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

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01228 **DST#: 4**

Test Start: 2015.08.02 @ 10:42:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3370.00 ft (KB) To 3415.00 ft (KB) (TVD)
Total Depth: 3415.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

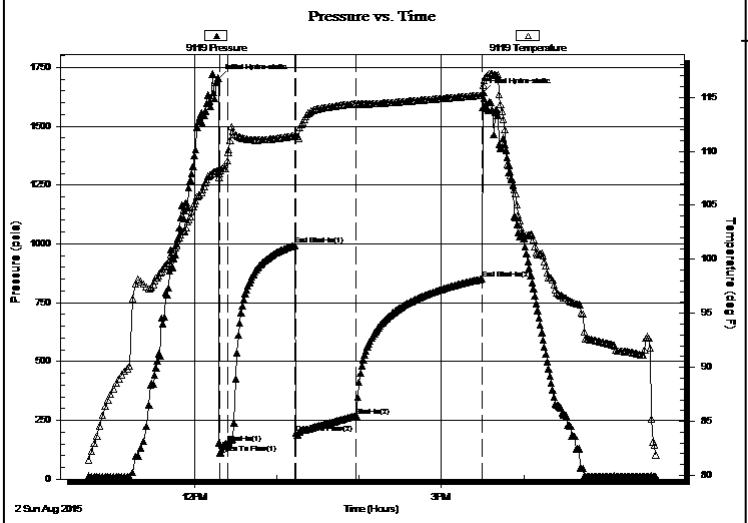
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**

Press@RunDepth: 850.90 psia @ 3410.00 ft (KB)
Start Date: 2015.08.02 End Date: 2015.08.02
Start Time: 10:43:00 End Time: 17:36:00

Capacity: 5000.00 psia
Last Calib.: 2015.08.02
Time On Btm: 2015.08.02 @ 12:17:30
Time Off Btm: 2015.08.02 @ 15:30:30

TEST COMMENT: 1ST OPENING 10 MINUTES GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 1/2 MIN.
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 45 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 5 MINUTES
2ND SHUT-IN 90 MINUTES- NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1701.78	108.15	Initial Hydro-static
1	110.03	107.94	Open To Flow (1)
7	153.70	109.89	Shut-In(1)
56	993.93	111.44	End Shut-In(1)
57	195.45	111.57	Open To Flow (2)
101	269.01	114.38	Shut-In(2)
192	850.90	115.18	End Shut-In(2)
193	1643.30	116.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLIGHTLY MUD CUT OIL	0.30
0.00	10 GAS 80 OIL 5 MUD 5 w ater	0.00
120.00	CLEAN GASSY OIL 10 GAS 90 OIL	0.59
120.00	SLIGHTLY MUD CUT GASSY OIL	1.35
0.00	10 GAS 70 OIL 20 MUD	0.00
180.00	MUD CUT GASSY OIL	2.52

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01228 **DST#: 4**

Test Start: 2015.08.02 @ 10:42:00

Tool Information

Drill Pipe:	Length:	3152.00 ft	Diameter:	3.80	inches	Volume:	44.21	bbl	
Heavy Wt. Pipe:	Length:	ft	Diameter:		inches	Volume:	-	bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25	inches	Volume:	1.07	bbl	
						Total Volume:	-	bbl	

Drill Pipe Above KB:	28.00 ft
Depth to Top Packer:	3370.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	45.00 ft
Tool Length:	74.00 ft
Number of Packers:	2 Diameter: inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		78000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	65000.00 lb
	Final	68000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3346.00		
Hydraulic tool	5.00			3351.00		
Jars	7.00			3358.00		
Safety Joint	2.00		Fluid	3360.00		
Top Packer	5.00			3365.00		
Packer	5.00			3370.00	29.00	Bottom Of Top Packer
Anchor	40.00			3410.00		
Recorder	0.00	9119	Inside	3410.00		
Recorder	0.00	9139	Outside	3410.00		
Bullnose	5.00			3415.00	45.00	Anchor Tool
Total Tool Length:	**74.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01228 **DST#: 4**

Test Start: 2015.08.02 @ 10:42:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	46 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	66.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.58 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	4700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SLIGHTLY MUD CUT OIL	0.295
0.00	10 GAS 80 OIL 5 MUD 5 w ater	0.000
120.00	CLEAN GASSY OIL 10 GAS 90 OIL	0.590
120.00	SLIGHTLY MUD CUT GASSY OIL	1.346
0.00	10 GAS 70 OIL 20 MUD	0.000
180.00	MUD CUT GASSY OIL	2.525
0.00	10 GAS 60 OIL 30 MUD	0.000
120.00	CLEAN GASSY OIL GRAVITY 46 CORRECTE	1.683
0.00	30 GAS 70 OIL	0.000
0.00	300 GAS IN THE PIPE	0.000

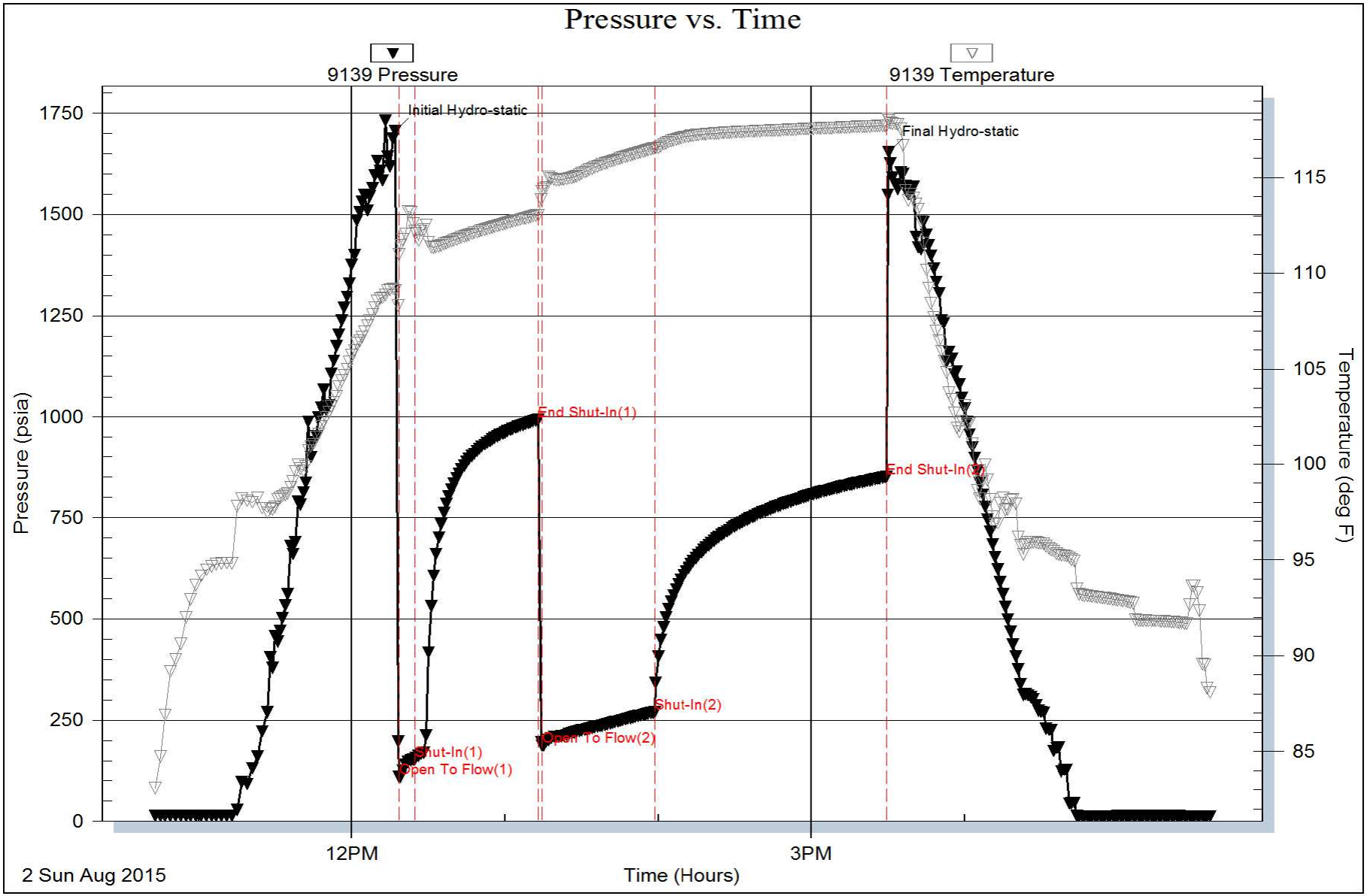
Total Length: 600.00 ft Total Volume: 6.439 bbl

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

Laboratory Name: Laboratory Location:

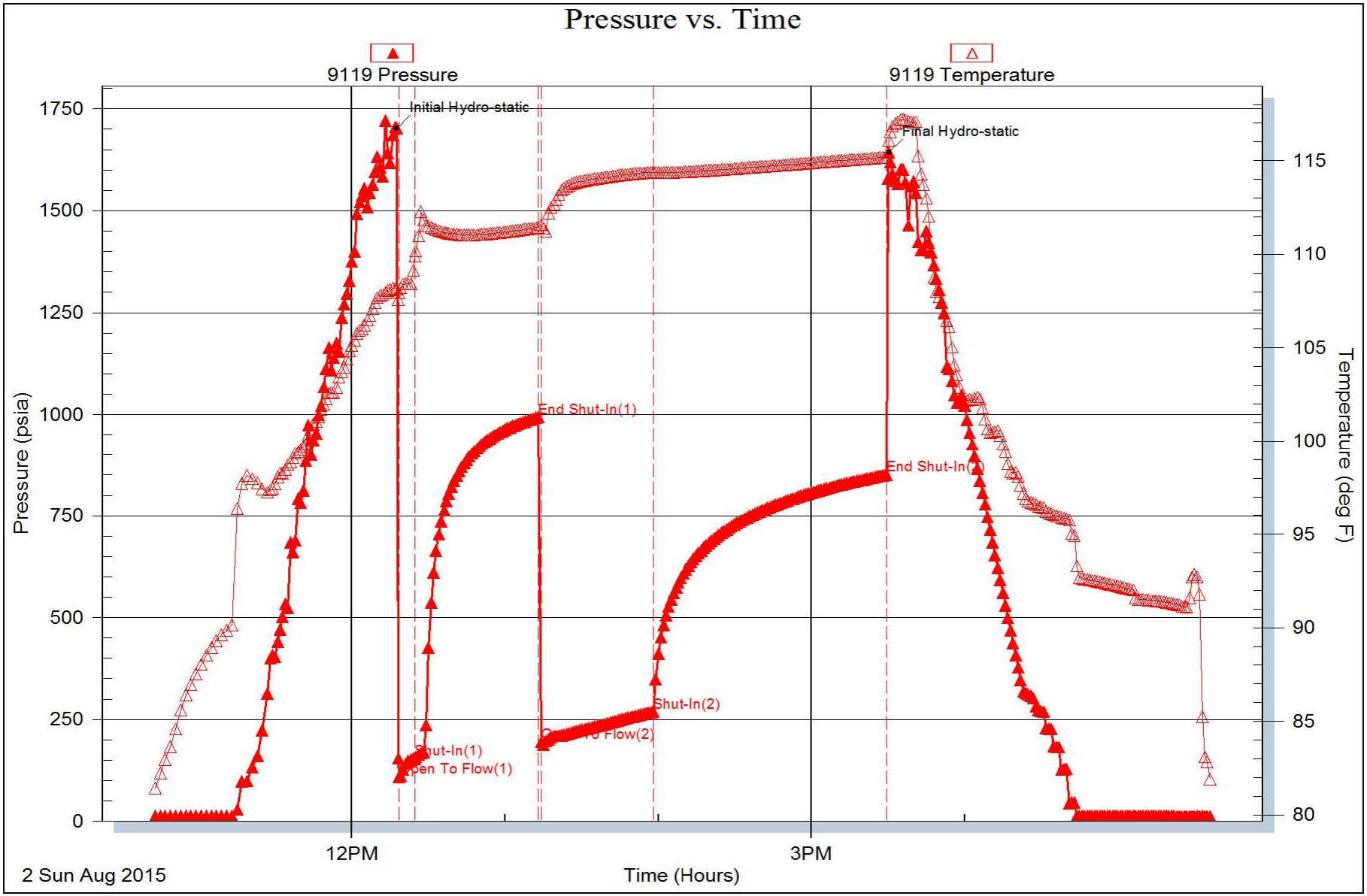
Recovery Comments:

Serial #: 9139 **Outside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 4



Eagle Testers Ref. No: 01228 Printed: 2015.08.02 @ 19:42:45

Serial #: 9119 **Inside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 4



Eagle Testers Ref. No: 01228 Printed: 2015.08.02 @ 19:42:45

DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

McCURRY 1-24

24-18S-14W BARTON

Start Date: 2015.08.01 @ 08:45:00
End Date: 2015.08.01 @ 00:00:00
Job Ticket #: 01227 DST #: 3

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.08.02 @ 01:34:19

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01227 **DST#: 3**

Test Start: 2015.08.01 @ 08:45:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

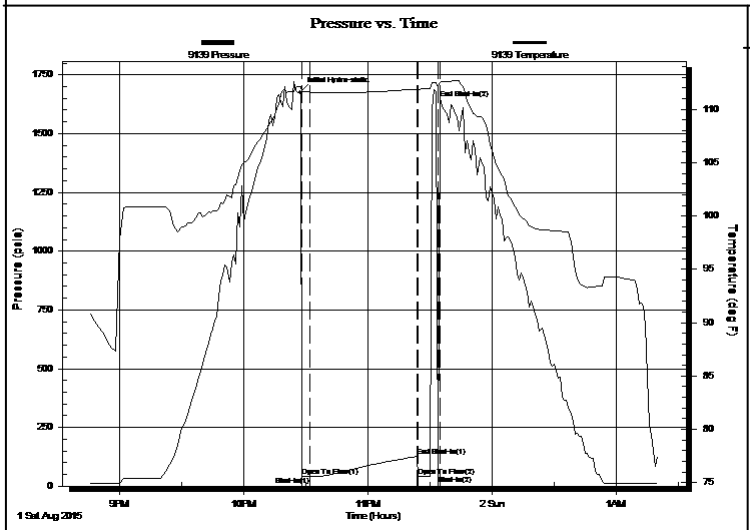
Interval: 3370.00 ft (KB) To 3397.00 ft (KB) (TVD)
Total Depth: 3397.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**
Press@RunDepth: 1648.91 psia @ 3392.00 ft (KB)
Start Date: 2015.08.01 End Date: 2015.08.02
Start Time: 20:45:00 End Time: 01:20:00

Capacity: 5000.00 psia
Last Calib.: 2015.08.02
Time On Btm: 2015.08.01 @ 22:27:30
Time Off Btm:

TEST COMMENT: 1ST OPENING 10 MINUTES- VERY WEAK SURFACE BLOW
1ST SHUIT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 15 MIN NO BLOW FLUSHED TOOL GOOD SURGE NO HELP PULLED TOOL



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1678.34	112.18	Initial Hydro-static
1	42.90	111.66	Open To Flow (1)
5	42.09	111.61	Shut-In(1)
56	125.75	111.89	End Shut-In(1)
57	42.16	111.88	Open To Flow (2)
67	47.50	112.10	Shut-In(2)
68	1648.91	112.53	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OIL CUT MUD	0.02

Gas Rates

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

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01227 **DST#: 3**

Test Start: 2015.08.01 @ 08:45:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

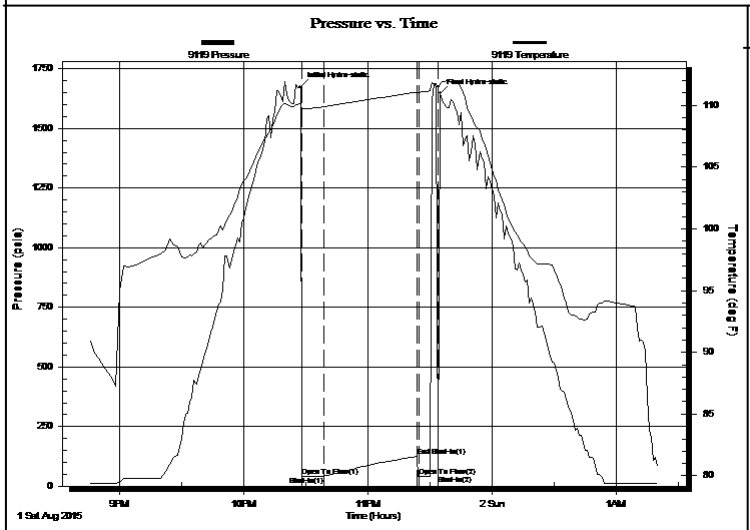
Interval: 3370.00 ft (KB) To 3397.00 ft (KB) (TVD)
Total Depth: 3397.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**
Press@RunDepth: 125.07 psia @ 3392.00 ft (KB)
Start Date: 2015.08.01 End Date: 2015.08.02
Start Time: 20:45:00 End Time: 01:20:00

Capacity: 5000.00 psia
Last Calib.: 2015.08.02
Time On Btm: 2015.08.01 @ 22:27:30
Time Off Btm: 2015.08.01 @ 23:35:00

TEST COMMENT:
1ST OPENING 10 MINUTES- VERY WEAK SURFACE BLOW
1ST SHUIT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 15 MIN NO BLOW FLUSHED TOOL GOOD SURGE NO HELP PULLED TOOL



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1675.03	110.15	Initial Hydro-static
1	42.03	109.61	Open To Flow (1)
11	42.37	109.88	Shut-In(1)
56	125.07	111.06	End Shut-In(1)
57	41.42	111.05	Open To Flow (2)
67	46.66	111.37	Shut-In(2)
68	1647.75	111.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OIL CUT MUD	0.02

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01227 **DST#: 3**

Test Start: 2015.08.01 @ 08:45:00

Tool Information

Drill Pipe:	Length:	3153.00 ft	Diameter:	3.80	inches	Volume:	44.23	bbl	
Heavy Wt. Pipe:	Length:	ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25	inches	Volume:	1.07	bbl	
						Total Volume:	45.30	bbl	

Drill Pipe Above KB:	29.00 ft
Depth to Top Packer:	3370.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	27.00 ft
Tool Length:	56.00 ft
Number of Packers:	2 Diameter: inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		76000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	65000.00 lb
	Final	65000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3346.00		
Hydraulic tool	5.00			3351.00		
Jars	7.00			3358.00		
Safety Joint	2.00		Fluid	3360.00		
Top Packer	5.00			3365.00		
Packer	5.00			3370.00	29.00	Bottom Of Top Packer
Anchor	22.00			3392.00		
Recorder	0.00	9119	Inside	3392.00		
Recorder	0.00	9139	Outside	3392.00		
Bullnose	5.00			3397.00	27.00	Anchor Tool
Total Tool Length:	**56.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01227 **DST#: 3**

Test Start: 2015.08.01 @ 08:45:00

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:	64.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	4400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

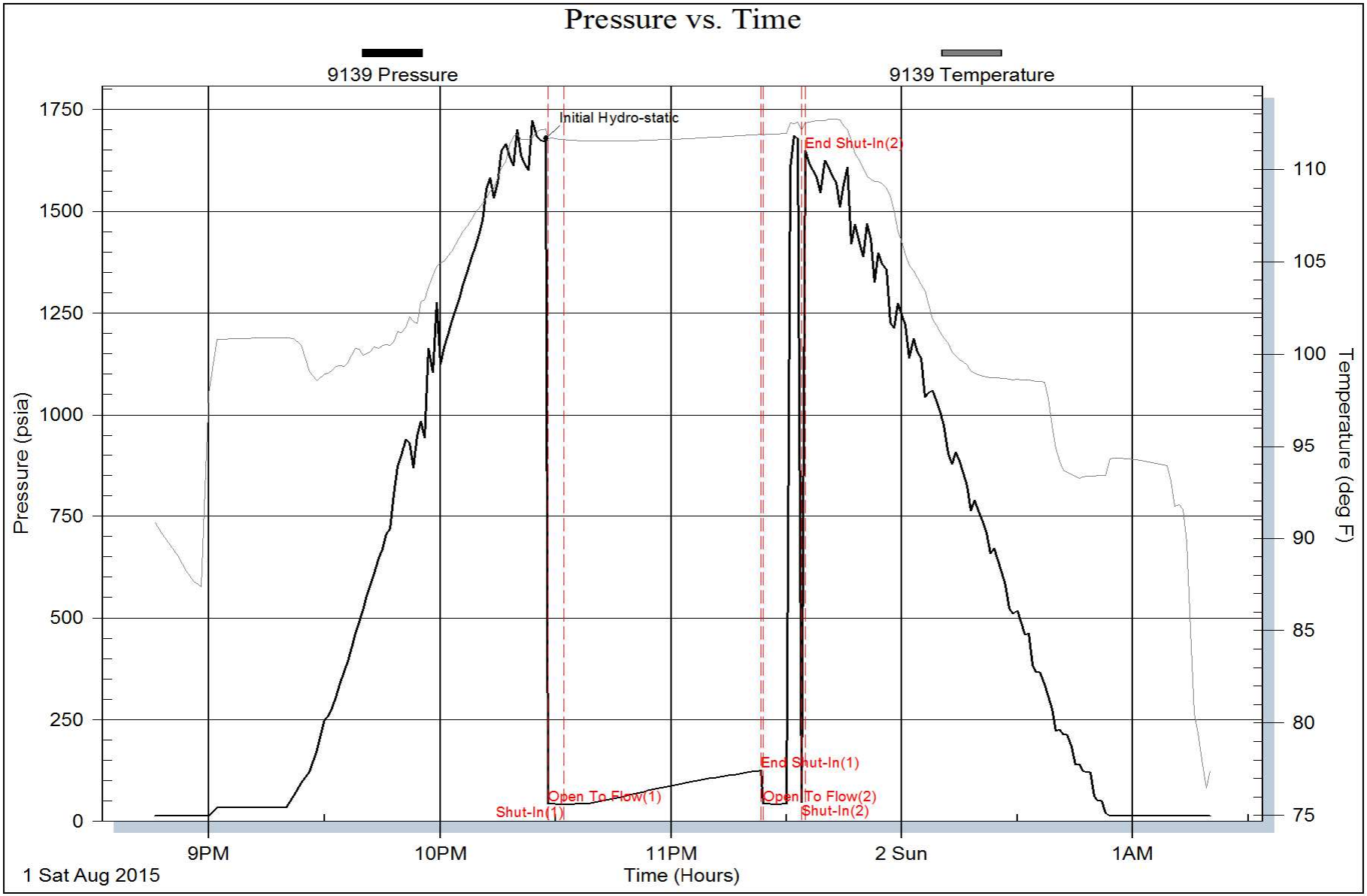
Recovery Table

Length ft	Description	Volume bbl
5.00	OIL CUT MUD	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

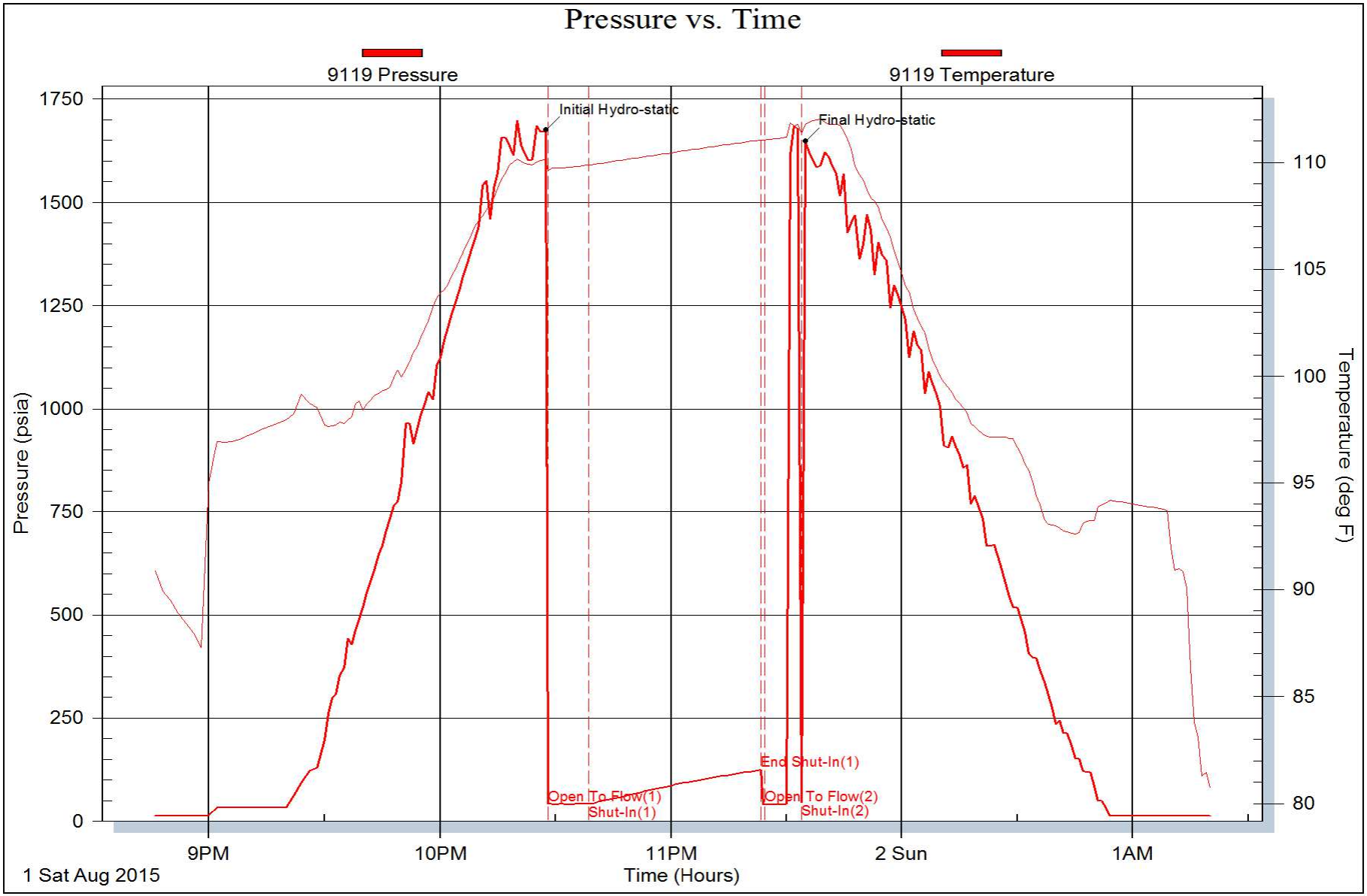
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 9139 **Outside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 3



Eagle Testers Ref. No: 01227 Printed: 2015.08.02 @ 01:34:21

Serial #: 9119 **Inside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 3



Eagle Testers Ref. No: 01227 Printed: 2015.08.02 @ 01:34:21

DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

McCURRY 1-24

24-18S-14W BARTON

Start Date: 2015.08.03 @ 02:41:00
End Date: 2015.08.03 @ 00:00:00
Job Ticket #: 01229 DST #: 5

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.08.03 @ 09:31:03

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01229 **DST#: 5**

Test Start: 2015.08.03 @ 02:41:00

GENERAL INFORMATION:

Formation: **ARBUCKLED**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3415.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

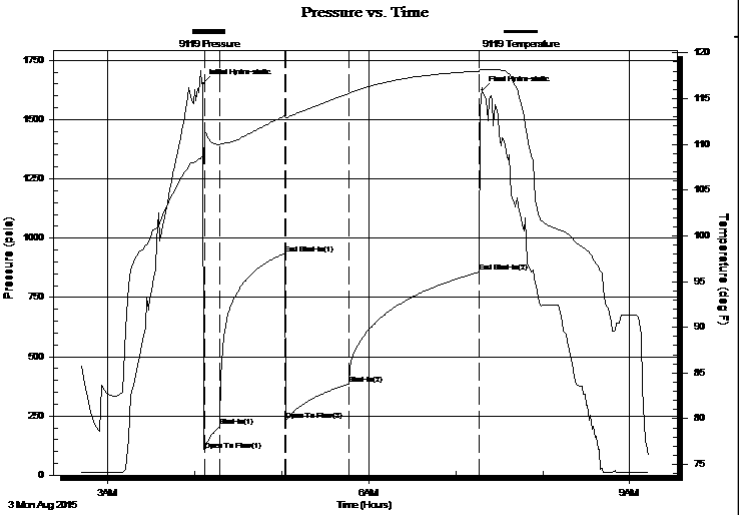
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**

Press@RunDepth: 855.83 psia @ 3420.00 ft (KB)
Start Date: 2015.08.03 End Date: 2015.08.03
Start Time: 02:41:00 End Time: 09:13:30

Capacity: 5000.00 psia
Last Calib.: 2015.08.03
Time On Btm: 2015.08.03 @ 04:05:30
Time Off Btm: 2015.08.03 @ 07:18:30

TEST COMMENT: 1ST OPENING 10 MINUTES- BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
1ST SHUT-IN 45 MINUTTES-NO BLOW BACK
2ND OPENING 45 MINUTES-BUILGT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
2ND SHUT-ION 90 MINUTES-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1650.47	108.65	Initial Hydro-static
2	104.82	111.42	Open To Flow (1)
12	208.16	109.95	Shut-In(1)
57	934.23	113.10	End Shut-In(1)
57	231.51	112.90	Open To Flow (2)
101	384.75	115.53	Shut-In(2)
191	855.83	117.99	End Shut-In(2)
193	1624.01	118.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
720.00	SALT WATER CHLORIDES26000	8.12

Gas Rates

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

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01229 **DST#: 5**

Test Start: 2015.08.03 @ 02:41:00

GENERAL INFORMATION:

Formation: **ARBUCKLED**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3415.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

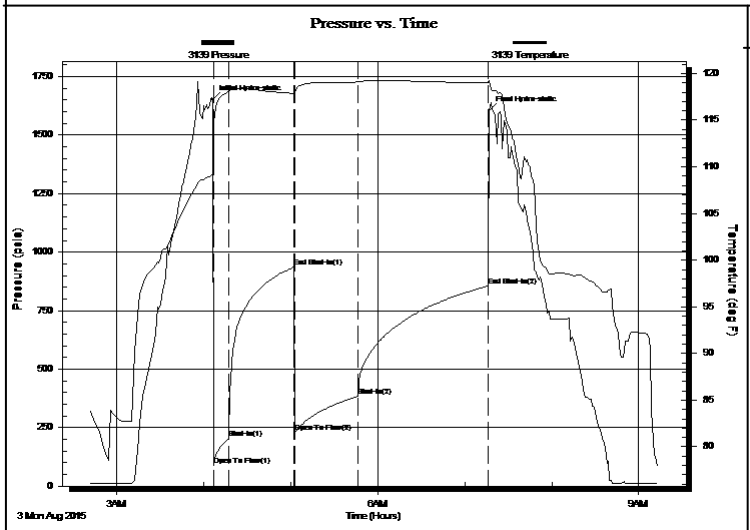
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 3139 **Inside**

Press@RunDepth: 855.03 psia @ 3420.00 ft (KB)
Start Date: 2015.08.03 End Date: 2015.08.03
Start Time: 02:41:00 End Time: 09:13:30

Capacity: 5000.00 psia
Last Calib.: 2015.08.03
Time On Btm: 2015.08.03 @ 04:06:00
Time Off Btm: 2015.08.03 @ 07:17:00

TEST COMMENT: 1ST OPENING 10 MINUTES- BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
1ST SHUT-IN 45 MINUTTES-NO BLOW BACK
2ND OPENING 45 MINUTES-BUILGT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
2ND SHUT-ION 90 MINUTES-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1653.29	109.11	Initial Hydro-static
1	89.59	111.98	Open To Flow (1)
12	206.88	118.09	Shut-In(1)
56	935.31	117.86	End Shut-In(1)
57	230.78	117.69	Open To Flow (2)
101	384.83	119.08	Shut-In(2)
190	855.03	118.97	End Shut-In(2)
191	1605.15	119.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
720.00	SALT WATER CHLORIDES26000	8.12

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01229 **DST#: 5**

Test Start: 2015.08.03 @ 02:41:00

Tool Information

Drill Pipe:	Length:	3182.00 ft	Diameter:	3.80	inches	Volume:	44.64	bbl	
Heavy Wt. Pipe:	Length:	ft	Diameter:		inches	Volume:	-	bbl	
Drill Collar:	Length:	217.00 ft	Diameter:	2.25	inches	Volume:	1.07	bbl	
						Total Volume:	-	bbl	

Drill Pipe Above KB:	8.00 ft
Depth to Top Packer:	3415.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	10.00 ft
Tool Length:	34.00 ft
Number of Packers:	1 Diameter: 6.75 inches

Tool Weight:		2000.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		78000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	64000.00 lb
	Final	68000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3396.00		
Hydraulic tool	5.00			3401.00		
Jars	7.00			3408.00		
Safety Joint	2.00		Fluid	3410.00		
Packer	5.00			3415.00	24.00	Bottom Of Top Packer
Anchor	5.00			3420.00		
Recorder	0.00	3139	Inside	3420.00		
Recorder	0.00	9136	Outside	3420.00		
Bullnose	5.00			3425.00	10.00	Anchor Tool
Total Tool Length:	**34.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01229 **DST#: 5**

Test Start: 2015.08.03 @ 02:41:00

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:	66.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.60 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity:	4700.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

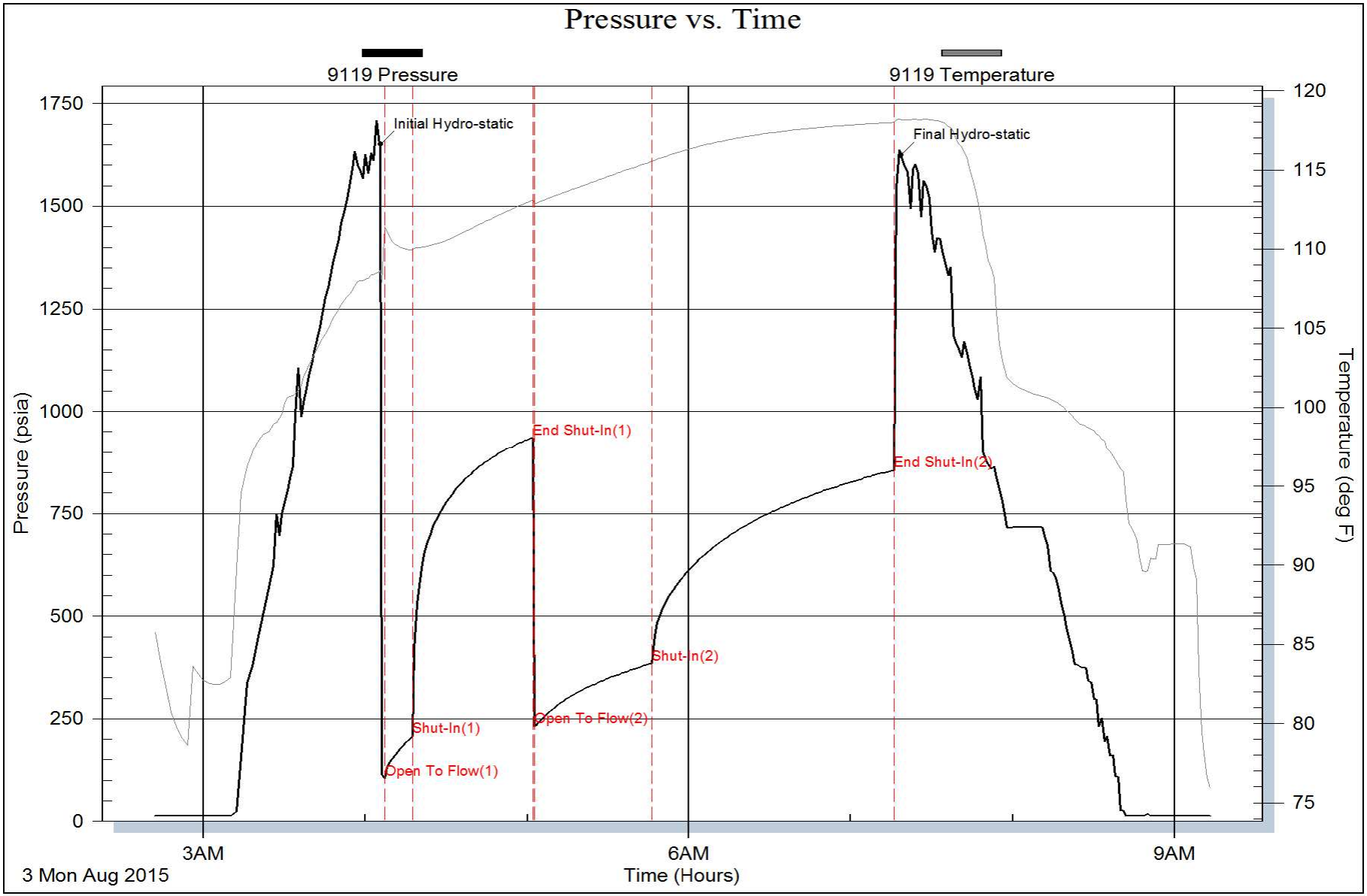
Recovery Table

Length ft	Description	Volume bbl
720.00	SALT WATER CHLORIDES26000	8.123

Total Length: 720.00 ft Total Volume: 8.123 bbl

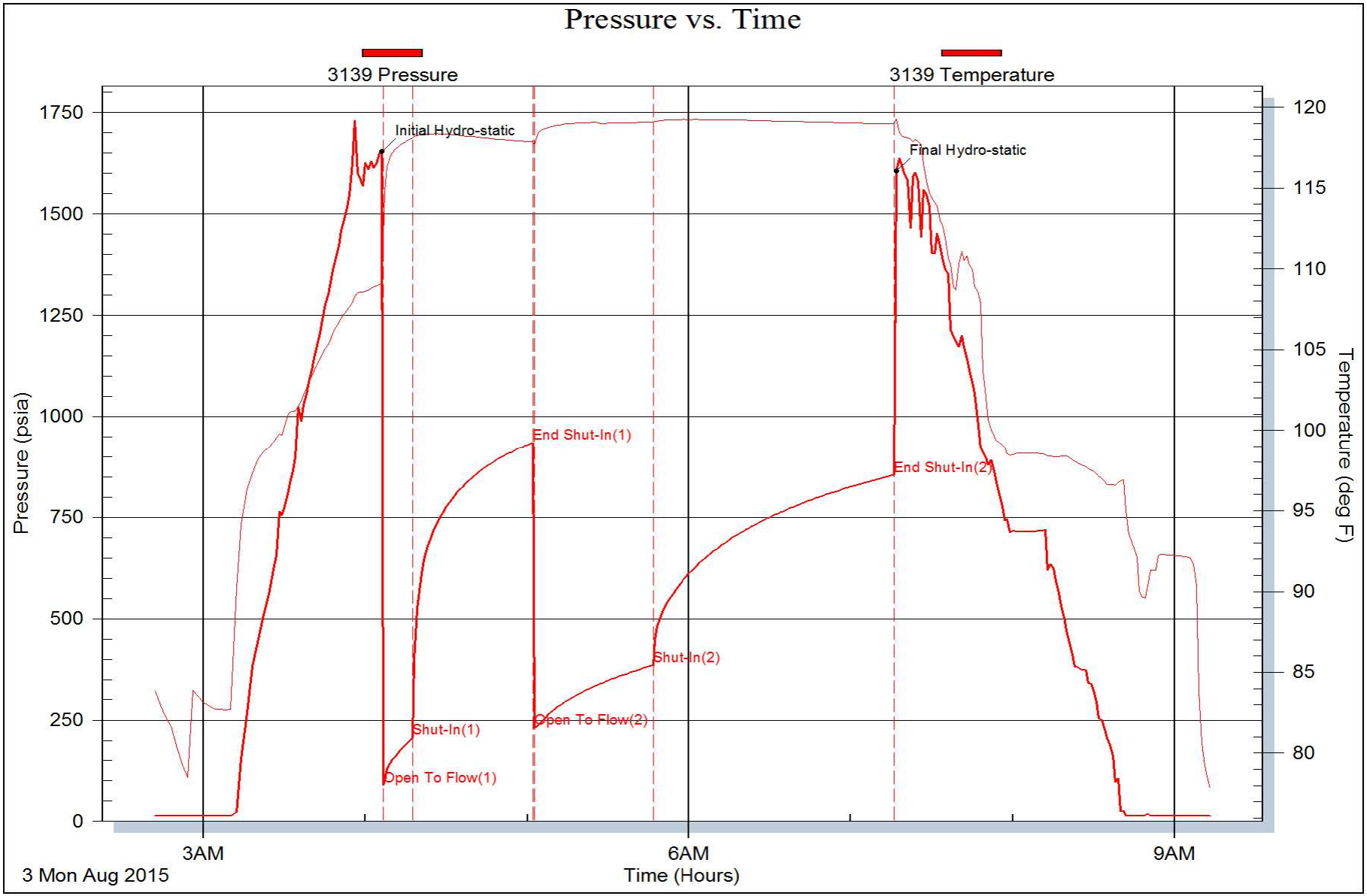
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 9119 **Inside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 5



Eagle Testers Ref. No: 01229 Printed: 2015.08.03 @ 09:31:05

Serial #: 3139 **Inside** SHELBY RESOURCES LLC McCURRY 1-24 DST Test Number: 5



Eagle Testers Ref. No: 01229 Printed: 2015.08.03 @ 09:31:05

Scale 1:240 Imperial

Well Name:	McCurry #1-24		
Surface Location:	808' FSL, 1169 'FEL, Sec. 24-18S-14W		
Bottom Location:			
API:	15-009-26114-0000		
License Number:			
Spud Date:	7/27/2015	Time:	7:00 PM
Region:	Barton County		
Drilling Completed:	8/3/2015	Time:	3:45 PM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	1897.00ft		
K.B. Elevation:	1908.00ft		
Logged Interval:	2850.00ft	To:	3500.00ft
Total Depth:	3500.00ft		
Formation:	Lansing Kansas-City		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Shelby Resources, LLC		
Address:	621 17th St, Ste 1155 Denver, CO 80293		
Contact Geologist:	Janine Sturdavant		
Contact Phone Nbr:	303-907-2209 / 720-274-4682		
Well Name:	McCurry #1-24		
Location:	808' FSL, 1169 'FEL, Sec. 24-18S-14W		
API:	15-009-26114-0000		
Pool:		Field:	Wildcat
State:	Kansas	Country:	USA

LOGGED BY

Company:	Shelby Resources, LLC		
Address:	621 17th St. Suite 1155 Denver, CO. 80293		
Phone Nbr:	203-671-6034		
Logged By:	Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources, LLC McCurry #1-24 was drilled to a total depth of 3500', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Five 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 #:	4

Rig Type:	mud rotary		
Spud Date:	7/27/2015	Time:	7:00 PM
TD Date:	8/3/2015	Time:	3:45 PM
Rig Release:		Time:	

ELEVATIONS

K.B. Elevation:	1908.00ft	Ground Elevation:	1897.00ft
K.B. to Ground:	11.00ft		

DATE	DEPTH	ACTIVITY
Thursday, July 30, 2015	3060'	Geologsit Jeremy Schwartz on location @ 1445hrs, ~3060', DRLG ahead through
		Heebner, Toronto, Douglas Shale, Brown Lime, CFS @ 3153', Drop Survey,
	3180'	Strap Out, Conduct Bit Trip, Swap PDC for Button Bit, Resume Drlg, CFS @ 3180',
Friday, July 31, 2015	3180'	Resume Drlg, CFS @ 3220', Resume Drlg, CFS @ 3240', Conduct DST #1 in the
	3240'	Lansing "A-F", Successful Test, Resume Drlg ahead, CFS @ 3248', Resume Drlg,
	3322'	CFS @ 3322', Drop Survey, Conduct DST #2 in the Lansing "H-I",
Saturday, August 01, 2015	3322'	Successful Test, Resume Drlg ahead, CFS @ 3383', Resume Drlg, CFS @ 3397'
	3397'	Conduct DST #3 in the Arbuckle, Successful Test, Resume Drlg, CFS @ 3403'
Sunday, August 02, 2015	3415'	Resume Drlg, CFS @ 3409', Resume Drlg, CFS @ 3415', Conduct DST #4 in the Arbuckle,
		Successful Test, Resume Drlg, CFS @ 3425', Conduct DST #5 in the Arbuckle
Wednesday, August 03, 2005	3425'	Successful Test, Resume Drlg ahead to TD, TD of 3500' reached @ 1545hrs
	3500'	CTCH 1 hour, TOH, Conduct Logging Operations, Logging Operations Complete @ 2215hrs
		Geologist Jeremy Schwartz off location @ 2245hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	MCCURRY 1-24
LEGAL:	SW NW SE SE 24-T18S-R14W
COUNTY:	BARTON
API :	15-009-26114-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	4
DOGHOUSE #:	620-388-4192
TOOLPUSHER:	LANNY SALOGA
CELL #:	620-388-4193

	MCCURRY 1-24				KLIMA OIL, INC JOHNSON #1 C SW SE SW 24-18S-14W						D&A ABERCROMBIE DRILLING, INC FOSTER "C" 1 NW NE NW 30-18S-13W						D&A PALOMINO PETROLEUM, INC STOSS #1 SW NE NW NW 24-18S-14W					
	KB	1908			KB	1903					KB	1914					KB	1902				
	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	832	1076	832	1076	821	1082	-	6	-	6	823	1091	-	15	-	15	836	1066	+	10	+	10
BASE	859	1049	859	1049	850	1053	-	4	-	4	865	1049	+	0	+	0	858	1044	+	5	+	5
TOPEKA	2852	-944	2852	-944	2846	-943	-	1	-	1	2857	-943	-	1	-	1						
HEEBNER SHALE	3075	-1167	3074	-1166	3066	-1163	-	4	-	3	3081	-1167	+	0	+	1	3078	-1176	+	9	+	10
TORONTO	3082	-1174	3083	-1175	3076	-1173	-	1	-	2	3089	-1175	+	1	+	0						
DOUGLAS SHALE	3095	-1187	3094	-1186	3092	-1189	+	2	+	3	3104	-1190	+	3	+	4						
BROWN LIME	3151	-1243	3150	-1242	3146	-1243	+	0	+	1	3162	-1248	+	5	+	6	3158	-1256	+	13	+	14
LKC	3162	-1254	3164	-1256	3156	-1253	-	1	-	3	3175	-1261	+	7	+	5	3168	-1266	+	12	+	10
LKC G Porosity	3244	-1336	3253	-1345	3250	-1347	+	11	+	2	3258	-1344	+	8	-	1						
MUNCIE CREEK	3288	-1380	3285	-1377	3279	-1376	-	4	-	1	3299	-1385	+	5	+	8						
LKC H	3294	-1386	3292	-1384	3289	-1386	+	0	+	2	3306	-1392	+	6	+	8						
STARK SHALE	3349	-1441	3340	-1432	3336	-1433	-	8	+	1	3359	-1445	+	4	+	13						
BKC	3366	-1458	3372	-1464	3372	-1469	+	11	+	5	3392	-1478	+	20	+	14	3368	-1466	+	8	+	2
CONGLOMERATE					3380	-1477					3396	-1482										
ARBUCKLE	3390	-1482	3392	-1484	3392	-1489	+	7	+	5	3403	-1489	+	7	+	5	3396	-1494	+	12	+	10
RTD			3500	-1592	3402	-1499			-	93	3450	-1536			-	56	3495	-1593			+	1
LTD	3502	-1594			3400	-1497	-	97			3446	-1532	-	62			3493	-1591	-	3		

ROCK TYPES

Dolprim Lmst fw<7 shale, gry Carbon Sh

ACCESSORIES

FOSSIL
F Fossils < 20%

TEXTURE
C Chalky

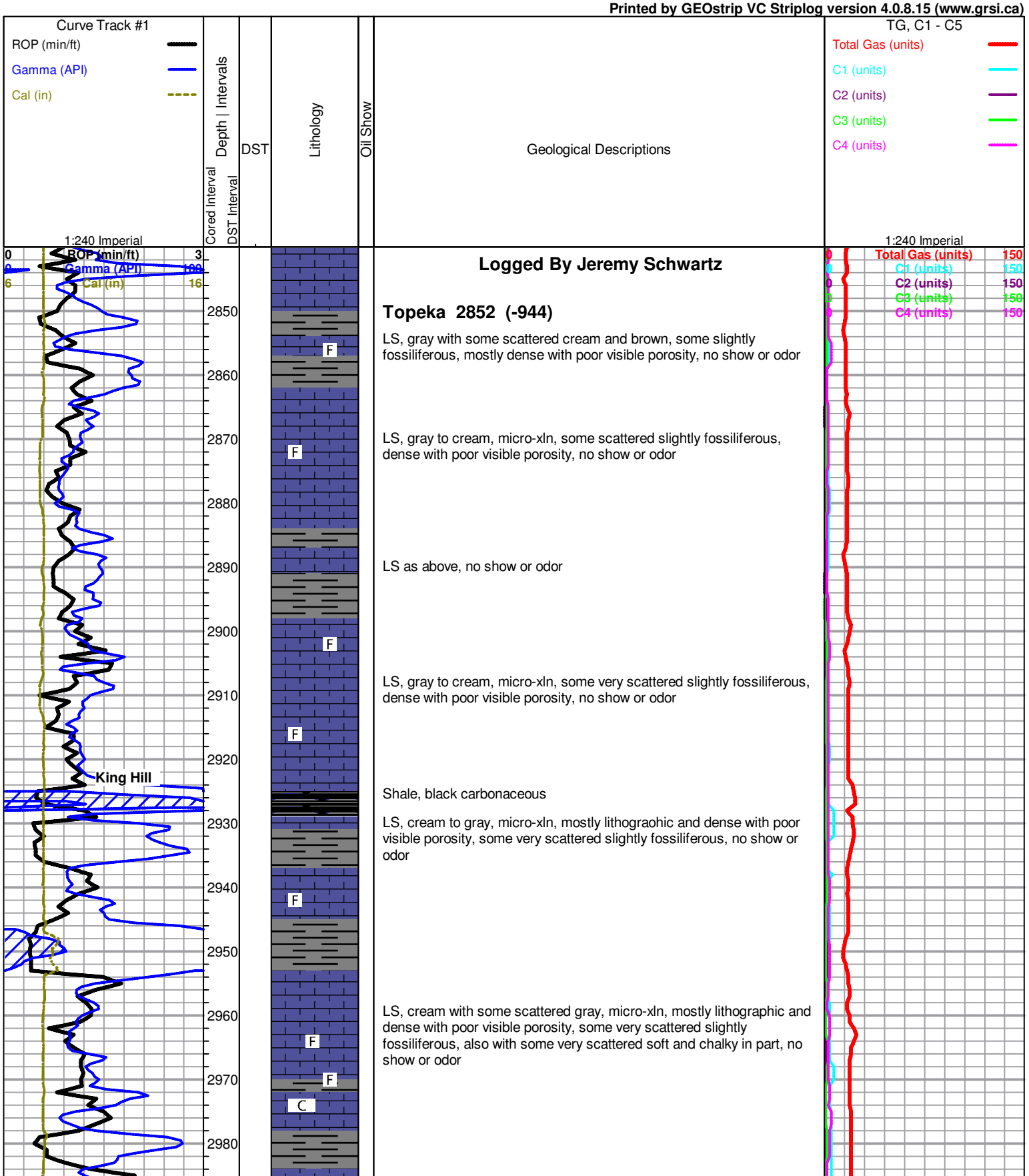
OTHER SYMBOLS

MISC
DR Daily Report
Digital Photo

DST
DST Int
DST alt

Document
Folder
Link
Vertical Log File
Horizontal Log File
Core Log File
Drill Cuttings Rpt

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



Queen Hill

0 ROP (min/ft) 3
0 Gamma (API) 100
6 Cal (in) 16

2990
3000
3010
3020
3030
3040
3050
3060
3070
3080
3090
3100
3110
3120
3130
3140
3150
3160
3170
3180
3190
3200

CFS @ 3153'
1635hrs
7/30/15

SC
0 ROP (min/ft) 4
Conduct Bit Trip (API) 100
SCALE CHANGE (in) 16

CFS @ 3180'
2350hrs
7/30/15

DST #1

0 ROP (min/ft) 4
0 Gamma (API) 100

Shale, black carbonaceous

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

LS, cream to light gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, some scattered oomoldic with poor visible oomold porosity, with some very scattered soft and chalky in part, no show or odor

LS as above, no show or odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered soft and chalky in part, no show or odor

Heebner 3074 (-1166)

Shale, black carbonaceous

LS, cream with some very scattered white, mostly dense with poor visible porosity, some scattered soft and chalky in part, no show or odor

Douglas Shale 3094 (-1186)

Shale, mostly gray with some scattered red and trace green, no show or odor

Shale as above, no show or odor

Brown Lime 3150 (-1242)

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

Lansing 3164 (-1256)

MCCURRY 1-24 DST-1.jpg

3180' 30" LS, cream, micro-xln, mostly lithographic with poor visible porosity, some scattered (<25%) with scattered to very slightly vuggy edges with black stain in and around porosity only,

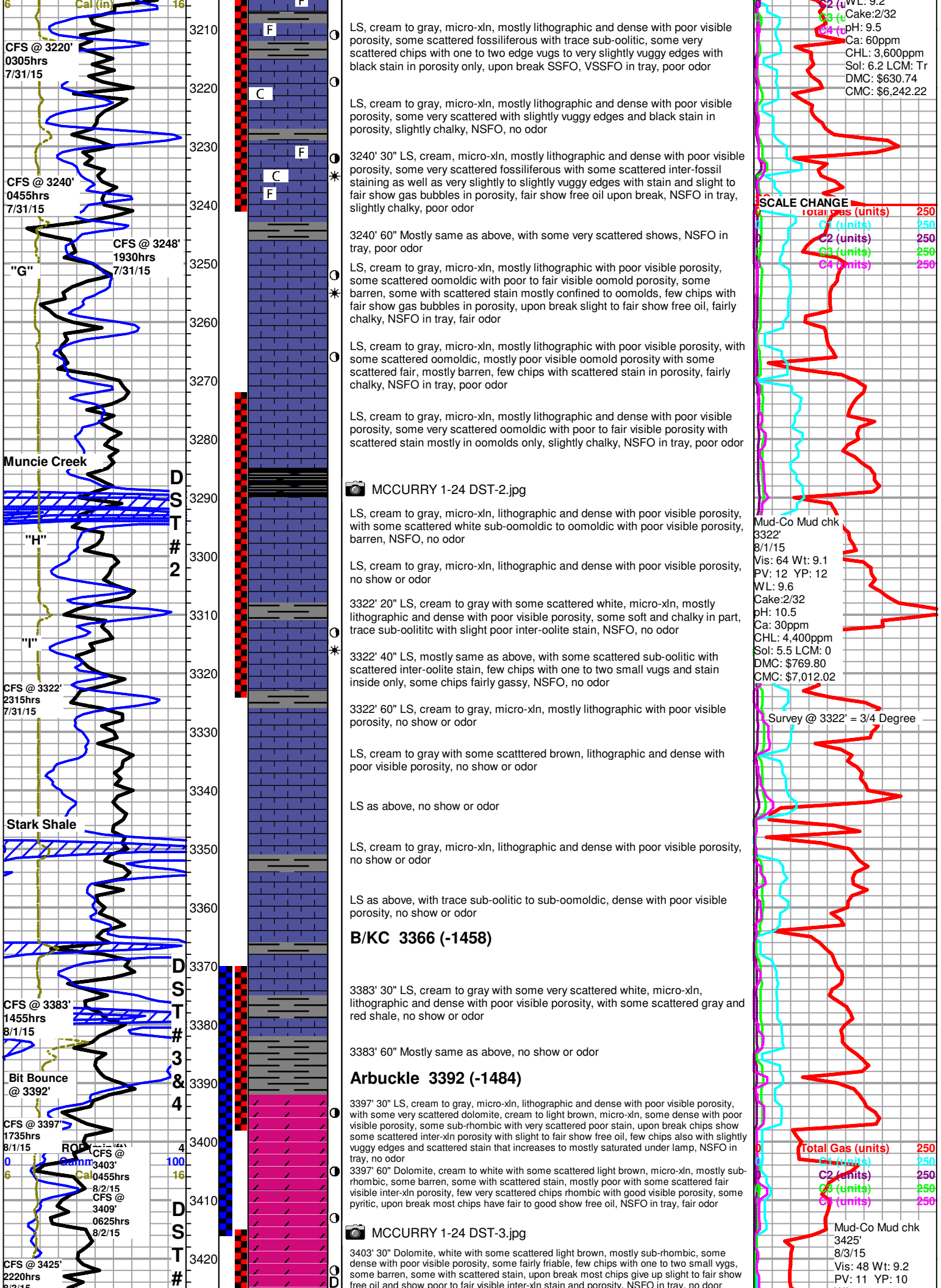
3180' 60" LS, cream with some scattered white, micro-xln, mostly lithographic with poor visible porosity, some very scattered with scattered poor to fair pinpoint porosity with scattered stain in and around porosity only, SSFO upon break in few chips, with some scattered soft and chalky in part, slightly chalky, NSFO in tray, poor odor

LS, cream to gray, micro-xln, mostly lithograhic and dense with poor visible porosity, some scattered (<25%) with some scattered pinpoint porosity and black stain in porosity, upon break chips show poor to fair visible inter-xln porosity with VSSFO in few chips, slightly chalky, NSFO in tray, poor fleeting odor

0 Total Gas (units) 150
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

Survey @ 3153' = 1/4Deg

Mud-Co Mud chk
3240'
7/27/15
Vis: 59 Wt: 9.2
PV: 16 YP: 16



LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered fossiliferous with trace sub-oolitic, some very scattered chips with one to two edge vugs to very slightly vuggy edges with black stain in porosity only, upon break SSFO, VSSFO in tray, poor odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered with slightly vuggy edges and black stain in porosity, slightly chalky, NSFO, no odor

3240' 30" LS, cream, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered fossiliferous with some scattered inter-fossil staining as well as very slightly to slightly vuggy edges with stain and slight to fair show gas bubbles in porosity, fair show free oil upon break, NSFO in tray, slightly chalky, poor odor

3240' 60" Mostly same as above, with some very scattered shows, NSFO in tray, poor odor

LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, some scattered oomoldic with poor to fair visible oomold porosity, some barren, some with scattered stain mostly confined to oomolds, few chips with fair show gas bubbles in porosity, upon break slight to fair show free oil, fairly chalky, NSFO in tray, fair odor

LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, with some scattered oomoldic, mostly poor visible oomold porosity with some scattered fair, mostly barren, few chips with scattered stain in porosity, fairly chalky, NSFO in tray, poor odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some very scattered oomoldic with poor to fair visible porosity with scattered stain mostly in oomolds only, slightly chalky, NSFO in tray, poor odor

LS, cream to gray, micro-xln, lithographic and dense with poor visible porosity, with some scattered white sub-oomoldic to oomoldic with poor visible porosity, barren, NSFO, no odor

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

3322' 20" LS, cream to gray with some scattered white, micro-xln, mostly lithographic and dense with poor visible porosity, some soft and chalky in part, trace sub-oolititc with slight poor inter-oolite stain, NSFO, no odor

3322' 40" LS, mostly same as above, with some scattered sub-oolitic with scattered inter-oolite stain, few chips with one to two small vugs and stain inside only, some chips fairly gassy, NSFO, no odor

3322' 60" LS, cream to gray, micro-xln, mostly lithographic with poor visible porosity, no show or odor

LS, cream to gray with some scatttered brown, lithographic and dense with poor visible porosity, no show or odor

LS as above, no show or odor

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

LS as above, with trace sub-oolitic to sub-oomoldic, dense with poor visible porosity, no show or odor

B/KC 3366 (-1458)

3383' 30" LS, cream to gray with some very scattered white, micro-xln, lithographic and dense with poor visible porosity, with some scattered gray and red shale, no show or odor

3383' 60" Mostly same as above, no show or odor

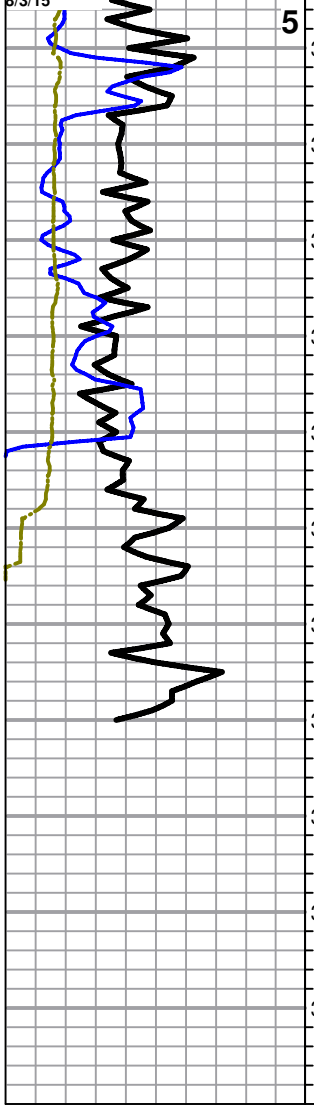
Arbuckle 3392 (-1484)

3397' 30" LS, cream to gray, micro-xln, lithographic and dense with poor visible porosity, with some very scattered dolomite, cream to light brown, micro-xln, some dense with poor visible porosity, some sub-rhombic with very scattered poor stain, upon break chips show some scattered inter-xln porosity with slight to fair show free oil, few chips also with slightly vuggy edges and scattered stain that increases to mostly saturated under lamp, NSFO in tray, no odor

3397' 60" Dolomite, cream to white with some scattered light brown, micro-xln, mostly sub-rhombic, some barren, some with scattered stain, mostly poor with some scattered fair visible inter-xln porosity, few very scattered chips rhombic with good visible porosity, some pyritic, upon break most chips have fair to good show free oil, NSFO in tray, fair odor

3403' 30" Dolomite, white with some scattered light brown, mostly sub-rhombic, some dense with poor visible porosity, some fairly friable, few chips with one to two small vygs, some barren, some with scattered stain, upon break most chips give up slight to fair show free oil and show poor to fair visible inter-xln stain and porosity, NSFO in tray, no door

Cake:2/32
pH: 9.5
Ca: 60ppm
CHL: 3,600ppm
Sol: 6.2 LCM: Tr
DMC: $630.74
CMC: $6,242.22



5

3430

3440

3450

3460

3470

3480

3490

3500

3510

3520

3530

D

D

D

O

3403' 60" Mostly the same as above, NSFO in tray, no odor

3409' 60" Dolomite, white with some scattered light brown, micro-xln, mostly sub-rhombic, some dense, some fairly friable, some barren, some with scattered stain, few chips with one to two small vugs, upon break most chips give up slight to fair show free oil, NSFO in tray, poor odor

3415' 60" Dolomite, white, micro-xln, mostly sub-rhombic with some very scattered rhombic development, mostly poor visible porosity, some very scattered chips with fair visible porosity, some friable, some with scattered stain, upon break SSFO, NSFO in tray, poor odor

MCCURRY 1-24 DST-4.jpg

3425' 30" Dolomite, white, micro-med-xln, mostly sub-rhombic with poor visible porosity, some scattered rhombic with fair visible inter-xln porosity, some barren, some with scattered stain, most fairly dense, some fairly friable, some very scattered also with gilsontic stain, upon break fair to good show free oil in most chips, NSFO in tray, poor odor

3425' 60" Dolomite, white, micro-xln, mostly sub-rhombic and dense with poor visible porosity, some very scattered rhombic, fairly dense, mostly barren, some with very scattered stain, some also with very scattered gislonitic stain, upon break SSFO in some chips, NSFO in tray, poor fleeting odor

MCCURRY 1-24 DST-5.jpg

~3430' Dolomite, white, micro-xln, sub-rhombic and fairly dense with poor visible porosity, some scattered with scattered to very scattered gilsonitic stain, also with abundant shale, no shows or odor

~3440' Dolomite, mostly same as above, with some scattered rhombic, med-xln, mostly poor visible porosity with some very scattered fair, some very scattered with very scattered gilsonitic stain, also with abundant shale, no show or odor

~3450' Dolomite, white, micro-xln, sub-rhombic and fairly dense with poor visible porosity, some very scattered med-xln, rhombic as above, some very scattered gislonitic stain, also with abundnat shale, no show or odor

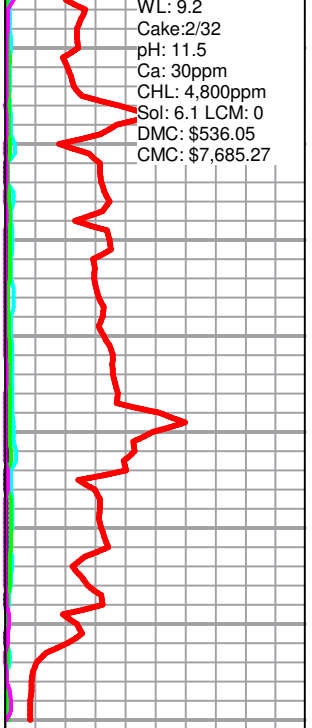
~3460' Dolomite as above, some very scattered with very scattered gilsonitic stain, also with abundant shale, no show or odor

~3470' Dolomite, white, micro-xln, mostly sub-rhombic and fairly dense with poor visible porosity, some very scattered with scattered rhombic development and scattered fair visible porosity, with scattered black stain, upon break fair show very heavy black free oil, sample cleaned up is mostly dolomite, NSFO in tray, poor odor

~3480-3500' Dolomite, white, micro-med xln, mostly sub-rhombic and dense with poor visible porosity, with some scattered sub-rhombic to rhombic with fair visible porosity, fairly friable, barren, no show or odor

---

Rotary TD 3500' @ 1545hrs 8/3/15
Nabors Well Services Logging TD @ 3502'
Complete Logging Operations @ 2215hrs 8/3/15
Geologist Jeremy Schwartz off location @ 2245hrs 8/3/15



WL: 9.2
Cake:2/32
pH: 11.5
Ca: 30ppm
CHL: 4,800ppm
Sol: 6.1 LCM: 0
DMC: $536.05
CMC: $7,685.27

MCCURRY 1-24 DST-1.jpg

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 010050 **DST#: 1**

Test Start: 2015.07.31 @ 08:13:00

GENERAL INFORMATION:

Formation: **LANSING 'A-F'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

Interval: 3155.00 ft (KB) To 3140.00 ft (KB) (TVD)
Total Depth: 3140.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

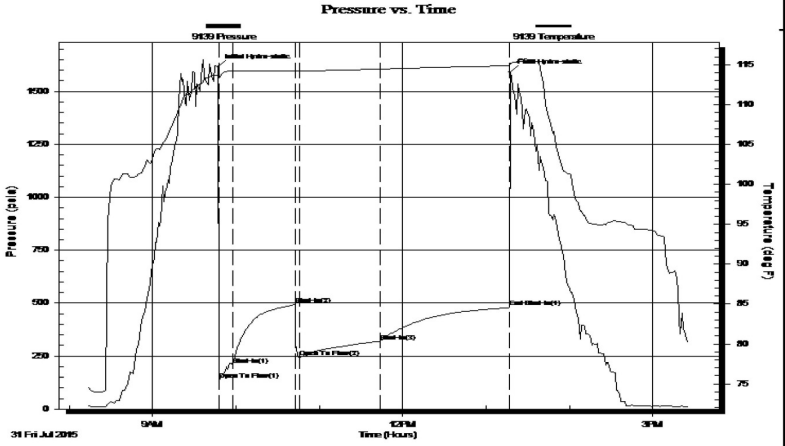
Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Inside**

Press@RunDepth: 480.49 psia @ 3235.06 ft (KB)
Start Date: 2015.07.31 End Date: 2015.07.31
Start Time: 08:13:00 End Time: 15:26:30

Capacity: 5000.00 psia
Last Calib.: 2015.07.31
Time On Btm: 2015.07.31 @ 09:47:00
Time Off Btm: 2015.07.31 @ 13:17:30

TEST COMMENT: 1ST OPENING 10 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCET IN 3 MINUTES
1ST SHUT-IN 45 MINUTES-WEAK BLOW BACK FOR 10 MINUTES AND DIED
2ND OPENING 60 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF BUCKET BUCKET IN 90 SECONDS
2ND SHUT-IN 90 MINUTES-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1615.78	113.76	Initial Hydro-static
1	137.66	113.33	Open To Flow (1)
11	206.43	114.19	Shut-In(1)
56	493.09	114.29	Shut-In(2)
59	242.67	114.20	Open To Flow (2)
117	319.87	114.46	Shut-In(3)
210	480.49	114.89	End Shut-In(1)
211	1592.07	115.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	OIL AND GAS CUT MUDDY WATER	0.30
0.00	5 GAS 5 OIL 40 MUD 40 WATER	0.00
120.00	HEAVY OIL AND GAS CUT MUDDY WAT	0.59
0.00	40 GAS 30 OIL 10 MUD 20 WATER	0.00
120.00	GASSY FROTHY OIL	1.41
0.00	60 GAS 30 OIL 6 MUD4 w ater	0.00

Gas Rates

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

MCCURRY 1-24 DST-2.jpg

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01225 **DST#: 2**

Test Start: 2015.08.01 @ 02:19:00

GENERAL INFORMATION:

Formation: **LANSING 'H'**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Inflate Bottom Hole (Initial)
Tester: GENE BUIDIG
Unit No: 1

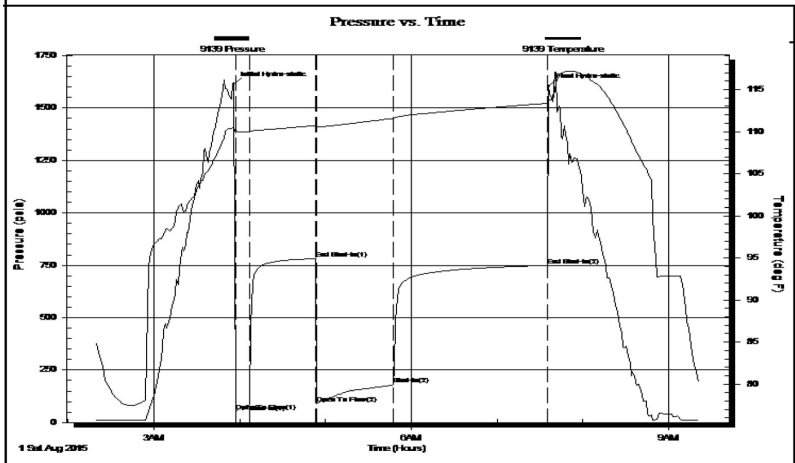
Interval: 3272.00 ft (KB) To 3322.00 ft (KB) (TVD)
Total Depth: 3322.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**
Press@RunDepth: 749.57 psia @ 3317.37 ft (KB)
Start Date: 2015.08.01 End Date: 2015.08.01
Start Time: 02:19:00 End Time: 09:21:30

Capacity: 5000.00 psia
Last Calib.: 2015.08.01
Time On Btm: 2015.08.01 @ 03:56:00
Time Off Btm: 2015.08.01 @ 07:36:00

TEST COMMENT: 1ST OPENING 10 MINUTES WEAK BUILDING BLOW BUILT TO 4 1/2 INCHES INTO THE WATER
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 60 MINUTES-WEAK BUILDING BLOW BUILT TO THE BOTTOM OF THE BUCKET IN 55 MIN.
2ND SHUT-IN 105 MINUTES-NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1614.98	110.44	Initial Hydro-static
1	52.01	109.89	Open To Flow (1)
11	84.75	109.92	Shut-In(1)
58	781.54	110.74	End Shut-In(1)
58	90.22	110.40	Open To Flow (2)
112	180.37	111.56	Shut-In(2)
219	749.57	113.36	End Shut-In(2)
220	1603.98	113.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	VERY SLIGHTLY OIL CUT MUDDY WATE	0.27
0.00	35 MUD 64 WATER 1 OIL	0.00
150.00	WATER 5 MUD 95 WATER	0.74
0.00	CHLORIDES 62000	0.00

Gas Rates

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

MCCURRY 1-24 DST-3.jpg

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01227 **DST#: 3**

Test Start: 2015.08.01 @ 08:45:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

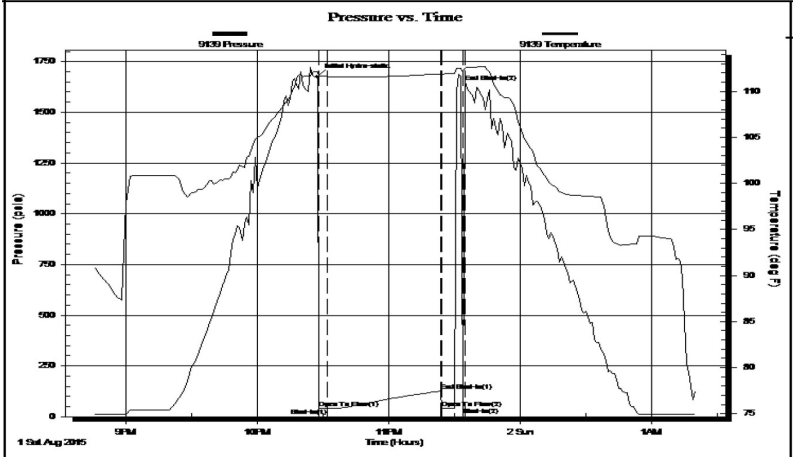
Interval: 3370.00 ft (KB) To 3397.00 ft (KB) (TVD)
Total Depth: 3397.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**
Press@RunDepth: 1648.91 psia @ 3392.00 ft (KB)
Start Date: 2015.08.01 End Date: 2015.08.02
Start Time: 20:45:00 End Time: 01:20:00

Capacity: 5000.00 psia
Last Calib.: 2015.08.02
Time On Btm: 2015.08.01 @ 22:27:30
Time Off Btm:

TEST COMMENT: 1ST OPENING 10 MINUTES- VERY WEAK SURFACE BLOW
1ST SHUIT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 15 MIN NO BLOW FLUSHED TOOL GOOD SURGE NO HELP PULLED TOOL



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1678.34	112.18	Initial Hydro-static
1	42.90	111.66	Open To Flow (1)
5	42.09	111.61	Shut-In(1)
56	125.75	111.89	End Shut-In(1)
57	42.16	111.88	Open To Flow (2)
67	47.50	112.10	Shut-In(2)
68	1648.91	112.53	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OIL CUT MUD	0.02

Gas Rates

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

MCCURRY 1-24 DST-4.jpg

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01228 **DST#: 4**

Test Start: 2015.08.02 @ 10:42:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

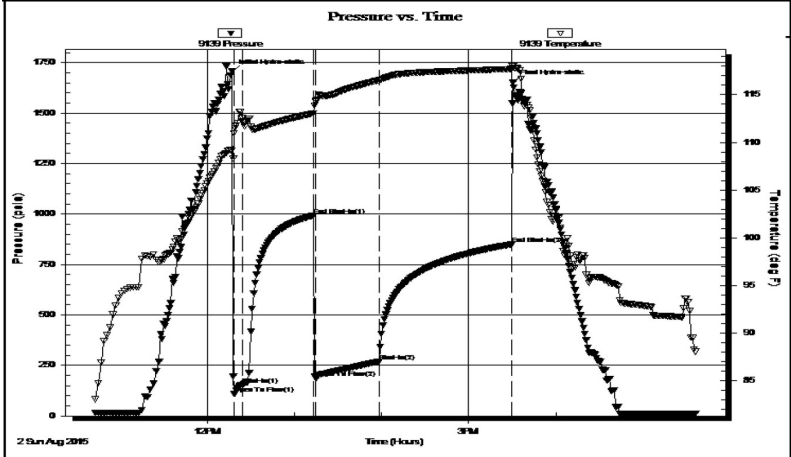
Interval: 3370.00 ft (KB) To 3415.00 ft (KB) (TVD)
Total Depth: 3415.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9139 **Outside**
Press@RunDepth: 850.13 psia @ 3410.00 ft (KB)
Start Date: 2015.08.02 End Date: 2015.08.02
Start Time: 10:43:00 End Time: 17:36:00

Capacity: 5000.00 psia
Last Calib.: 2015.08.02
Time On Btm: 2015.08.02 @ 12:17:00
Time Off Btm: 2015.08.02 @ 15:30:30

TEST COMMENT: 1ST OPENING 10 MINUTES GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 1/2 MIN.
1ST SHUT-IN 45 MINUTES-NO BLOW BACK
2ND OPENING 45 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 5 MINUTES
2ND SHUT-IN 90 MINUTES- NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1705.80	109.12	Initial Hydro-static
2	109.85	110.97	Open To Flow (1)
8	152.55	112.20	Shut-In(1)
56	993.02	113.04	End Shut-In(1)
58	187.41	114.29	Open To Flow (2)
102	269.55	116.53	Shut-In(2)
193	850.13	117.70	End Shut-In(2)
194	1654.20	117.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SLIGHTLY MUD CUT OIL	0.30
0.00	10 GAS 80 OIL 5 MUD 5 w ater	0.00
120.00	CLEAN GASSY OIL 10 GAS 90 OIL	0.59
120.00	SLIGHTLY MUD CUT GASSY OIL	1.35
0.00	10 GAS 70 OIL 20 MUD	0.00
180.00	MUD CUT GASSY OIL	2.52

Gas Rates

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

MCCURRY 1-24 DST-5.jpg

DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

2717 CANAL BLVD SUITEC
HAYS ,KANSAS 67601

ATTN: JEFREMY SCHWARTZ

24-18S-14W BARTON

McCURRY 1-24

Job Ticket: 01229 **DST#: 5**

Test Start: 2015.08.03 @ 02:41:00

GENERAL INFORMATION:

Formation: **ARBUCKLED**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)
Tester: GENE BUDIG
Unit No: 1

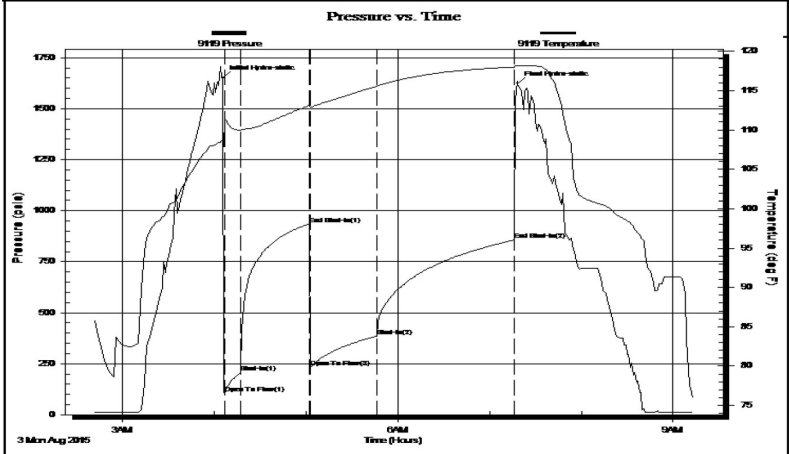
Interval: 3415.00 ft (KB) To 3425.00 ft (KB) (TVD)
Total Depth: 3425.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1908.00 ft (KB)
1897.00 ft (CF)
KB to GR/CF: 11.00 ft

Serial #: 9119 **Inside**
Press@RunDepth: 855.83 psia @ 3420.00 ft (KB)
Start Date: 2015.08.03 End Date: 2015.08.03
Start Time: 02:41:00 End Time: 09:13:30

Capacity: 5000.00 psia
Last Calib.: 2015.08.03
Time On Btm: 2015.08.03 @ 04:05:30
Time Off Btm: 2015.08.03 @ 07:18:30

TEST COMMENT: 1ST OPENING 10 MINUTES- BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 2 MINUTES
1ST SHUT-IN 45 MINUTTES-NO BLOW BACK
2ND OPENING 45 MINUTES-BUILGT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
2ND SHUT-ION 90 MINUTES-



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1650.47	108.65	Initial Hydro-static
2	104.82	111.42	Open To Flow (1)
12	208.16	109.95	Shut-In(1)
57	934.23	113.10	End Shut-In(1)
57	231.51	112.90	Open To Flow (2)
101	384.75	115.53	Shut-In(2)
191	855.83	117.99	End Shut-In(2)
193	1624.01	118.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
720.00	SALT WATER CHLORIDES26000	8.12

Gas Rates

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

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Home Office P.O. Box 32 Russell, KS 67665 No. 1847

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-28-15	24	18	14	Barton	KS		3:30 PM

Location 281 + 4 Hwy Jct. - S to 70 Rd

Lease McCurry Well No. 1-24 Owner 1/2 E N/Into

Contractor Sterling #4

Type Job Surface

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.

Hole Size 12¼" T.D. 852.00'

Csg. 8⅝" Depth ~~852.00~~

Charge To Shelby Resources

Street

Tbg. Size Depth 846'

City State

Tool Depth

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 33 Shoe Joint 33'

Cement Amount Ordered 350 60/40 3% CC 2% Gel

Meas Line Displace 51½ Bbls

EQUIPMENT

Pumptrk 20 No. Cementer Helper Nick

Bulktrk 4 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	13
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	370
Mileage	

FLOAT EQUIPMENT

Guide Shoe	1 slip on
~~Centralizer~~	Baffle plate
~~Baskets~~	Rubber plugs
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Long Surface
Mileage	13
Tax	
Discount	
Total Charge	

X Signature Travis L Coffman

BASiC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
SHELBY Resources		08-04-15
Lease	**Well #**	
McCurdy	1-24	

Field Order #	Station	Casing	Depth	County	State
12351	PRATT KS	5 1/2	3421	Pratt	KS

Type Job	Formation	Legal Description
CNW 5½ LongString		24-18-14

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME			
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth 3421	Depth	From	To	Pre Pad	Max			5 Min.
Volume 84	Volume	From	To	Pad	Min			10 Min.
Max Press 2,000	Max Press	From	To	Frac	Avg			15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth 3450	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager	Treater
	DAVE SCOTT	Robert Sullivan

Service Units	37900	34781	19843	19903	21010					
Driver Names	Williams	Edwardo		E. Mayhew						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
6:35					on Loc
					Run 84 Jts 14# 5½ csg.
					CASING on Bottom
8:15					Hook up circ. csg.
8:50			10	4.5	St mix 50sk 60/40 Scavenger cmt
			24		St mix 100sk AA2 cmt
					cmt mixed. wash pump line
					Release Plug
				6	St Disp.
	250				Lift PS.
	450			3.5	Slow Rate
9:30	1,500		84		Plug Down
			7		Plug RH w/ 30sk
			5		Plug MH w/ 20sk
					JOB Complete
					Thank you

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656