

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1258134  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

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

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

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

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

*(Data must be collected from the Reserve Pit)*

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1258134

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

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

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

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

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

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

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing     Pumping     Gas Lift     Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Fenwick 2-26
Doc ID	1258134

All Electric Logs Run

Dual Induction
Compensated Nuutron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	Fenwick 2-26
Doc ID	1258134

Tops

Name	Top	Datum
Heebner	3396	-1408
L-KC	3504	-1516
Stark Shale	3692	-1704
BKC	3739	-1751
Conglomerate	3791	-1803
Simpson Sand	3881	-1893
Arbuckle	3926	-1938
LTD	4024	-2036



# 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. 1826

Date	6-16-15	Sec.	26	Twp.	21	Range	16	County	Pawnee	State	Ks	On Location		Finish	6:45 PM
Lease	Fenwick							Location	Pawnee Rock, Ks - 4W to 80th Ave						
Contractor	Sterling		S		Well No.	2-26		Owner	JS w/Into S/W to Rig						
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	12 1/4"		T.D.	995'		Charge To	Shelby Resources								
Csg.	8 5/8"		Depth	990'		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	450 60/40 3% CC 2% Gel 1/2#								
Meas Line			Displace	60 1/4 BLS		Flowseal									
<b>EQUIPMENT</b>						Common	270								
Pumptrk	17	No.	Cement Helper	Lonnie		Poz. Mix	180								
Bulktrk	A	No.	Driver	Brett		Gel.	9								
Bulktrk	p.u.	No.	Driver	Rick		Calcium	18								
<b>JOB SERVICES &amp; REMARKS</b>						Hulls									
Remarks:	Cement did Circulate.					Salt									
Rat Hole						Flowseal	223#								
Mouse Hole	FN Cellar					Kol-Seal									
Centralizers						Mud CLR 48									
Baskets						CFL-117 or CD110 CAF 38									
D/V or Port Collar	watch cellar for					Sand									
	30 mtp					Handling	977								
	DID NOT Fall					Mileage									
<b>FLOAT EQUIPMENT</b>						Guide Shoe	1 Slip-on								
						Centralizer	1 Baffle plate								
						Baskets	1 Rubber plug								
						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge	Long Surface								
						Mileage	20								
						Tax									
						Discount									
						Total Charge									
X Signature	Alan Loftis														

# 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. 1830  
6-22-15

Date	6-21-15	Sec.	26	Twp.	21	Range	16	County	Pawnee	State	Ks	On Location		Finish	1:00 AM
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Lease Fenwick Location Pawnee Rock, Ks - W to 80rd, 25, W of rts

Well No.	2-26	Owner	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.
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Contractor	<u>Sterling</u>	5	Charge To	<u>Shelby Resources</u>
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Type Job	<u>Plug</u>	T.D.	<u>4025'</u>	Street	
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Hole Size	<u>7 7/8"</u>	Depth		City	State
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Csg.		Depth	<u>3876'</u>	The above was done to satisfaction and supervision of owner agent or contractor.	
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Tbg. Size	<u>4 1/2" D.P.</u>	Depth		Cement Amount Ordered	<u>210 60/40 4% Gel 1/4# Flowseal</u>
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Tool		Depth			
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Cement Left in Csg.		Shoe Joint			
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Meas Line		Displace	<u>H2O/mud</u>		
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EQUIPMENT			Common	<u>126</u>
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Pumptrk	<u>16</u>	No.	Cementer		Poz. Mix	<u>84</u>
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			Helper	<u>Billy</u>		
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Bulktrk	<u>14</u>	No.	Driver	<u>Doug</u>	Gel.	<u>7</u>
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			Driver	<u>Rick</u>		
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Bulktrk	<u>p.u.</u>	No.	Driver		Calcium	
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JOB SERVICES & REMARKS			Hulls	
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Remarks:		Salt		
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Rat Hole	<u>3876' - 50 SX</u>	Flowseal	<u>50#</u>	
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Mouse Hole	<u>1020' - 50 SX</u>	Kol-Seal		
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Centralizers	<u>230' - 40 SX</u>	Mud CLR 48		
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Baskets	<u>60' - 20 SX</u>	CFL-117 or CD110 CAF 38		
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D/V or Port Collar	<u>Rathole - 30 SX</u>	Sand		
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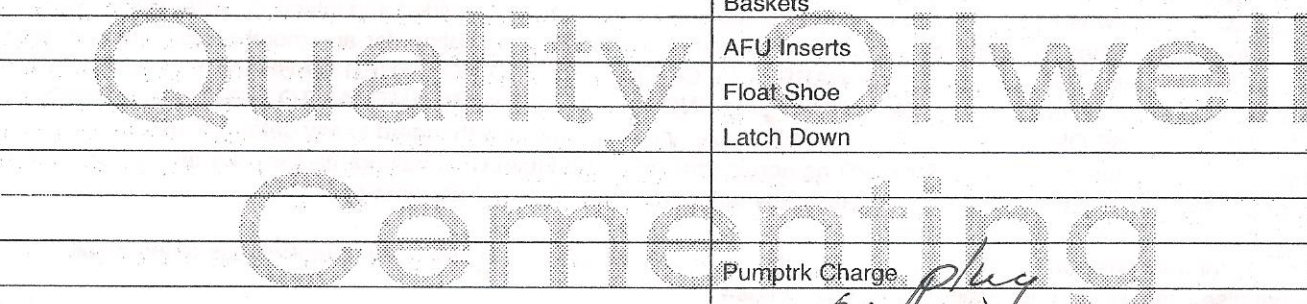
	<u>Mousehole - 20 SX</u>	Handling	<u>217</u>	
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	<u>Cement did Circulate</u>	Mileage		
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FLOAT EQUIPMENT				
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		Guide Shoe		
--	--	------------	--	--

		Centralizer		
--	--	-------------	--	--



		Baskets		
--	--	---------	--	--

		AFU Inserts		
--	--	-------------	--	--

		Float Shoe		
--	--	------------	--	--

		Latch Down		
--	--	------------	--	--

		Pumptrk Charge	<u>plug</u>	
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		Mileage	<u>30</u>	
--	--	---------	-----------	--

		Tax		
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X Signature Alan Lott

Discount  
Total Charge



## DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

621 17TH STREET SUITE 1150  
621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

ATTN: JEREMY SCHWARTZ

**FENWICK 32-26**

**26-21S-16W PAWNEE**

Start Date: 2015.06.19 @ 00:00:00

End Date: 2015.06.20 @ 00:00:00

Job Ticket #: 01039                      DST #: 1

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

Printed: 2015.06.20 @ 02:39:46





# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
 621 17TH STREET SUITE 1150  
 DENVER, COLORADO 80293  
 ATTN: JEREMY SCHWARTZ

FENWICK 32-26

Job Ticket: 01039

DST#: 1

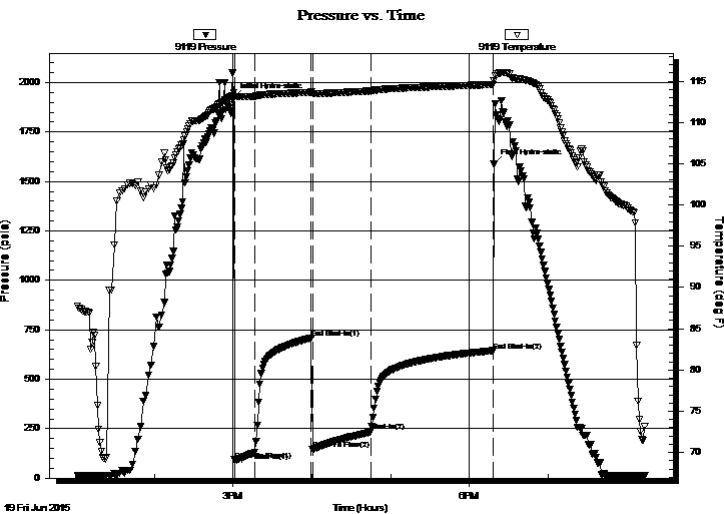
Test Start: 2015.06.19 @ 00:00:00

## GENERAL INFORMATION:

Formation: **CONGLOMERATE**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3770.00 ft (KB) To 3805.00 ft (KB) (TVD)**  
 Total Depth: 3805.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: GENE BUDIG  
 Unit No: 42  
 Reference Elevations: 1988.00 ft (KB)  
 1875.00 ft (CF)  
 KB to GR/CF: 113.00 ft

**Serial #: 9119 Inside**  
 Press@RunDepth: 644.40 psia @ 3800.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2015.06.19 End Date: 2015.06.19 Last Calib.: 2015.06.20  
 Start Time: 07:20:00 End Time: 20:13:53 Time On Btm: 2015.06.19 @ 15:00:23  
 Time Off Btm: 2015.06.19 @ 18:18:23

**TEST COMMENT:** 1ST OPENING 15 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES  
 1ST SHUT-IN 45 MINUTES- FAIR BLOW BACK  
 2ND OPENING 45 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKLET IN 6 MINUTES



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1924.57	113.57	Initial Hydro-static
1	92.78	113.14	Open To Flow (1)
16	131.99	113.15	Shut-In(1)
59	708.15	113.65	End Shut-In(1)
60	145.75	113.49	Open To Flow (2)
105	238.08	113.82	Shut-In(2)
198	644.40	114.59	End Shut-In(2)
199	1586.85	115.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	675 GAS IN THE PIPE	0.00
150.00	MUDDY GASS OIL	1.54
0.00	6 GAS 60 OIL 34 MUD	0.00
250.00	WATER CHLORIDES 38000	3.51

## Gas Rates

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



# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
 621 17TH STREET SUITE 1150  
 DENVER, COLORADO 80293  
 ATTN: JEREMY SCHWARTZ

FENWICK 32-26

Job Ticket: 01039

DST#: 1

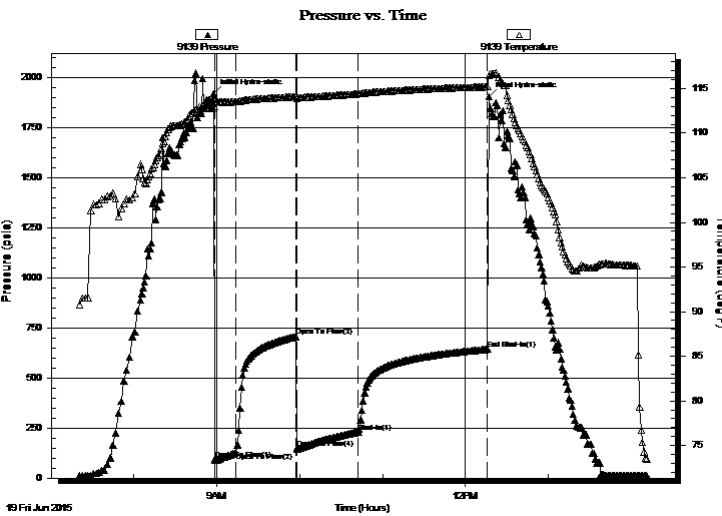
Test Start: 2015.06.19 @ 00:00:00

## GENERAL INFORMATION:

Formation: **CONGLOMERATE**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3770.00 ft (KB) To 3805.00 ft (KB) (TVD)**  
 Total Depth: 3805.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: GENE BUDIG  
 Unit No: 42  
 Reference Elevations: 1988.00 ft (KB)  
 1875.00 ft (CF)  
 KB to GR/CF: 113.00 ft

**Serial #: 9139 Outside**  
 Press@RunDepth: 643.34 psia @ 3800.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2015.06.19 End Date: 2015.06.19 Last Calib.: 2015.06.20  
 Start Time: 07:20:00 End Time: 14:11:30 Time On Btm: 2015.06.19 @ 08:58:00  
 Time Off Btm: 2015.06.19 @ 12:17:00

**TEST COMMENT:** 1ST OPENING 15 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES  
 1ST SHUT-IN 45 MINUTES- FAIR BLOW BACK  
 2ND OPENING 45 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKLET IN 6 MINUTES



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1919.43	114.05	Initial Hydro-static
1	93.21	113.00	Open To Flow (1)
16	127.92	113.51	Open To Flow (2)
60	707.16	114.11	Open To Flow (3)
60	150.15	113.92	Open To Flow (4)
105	229.87	114.39	Shut-In(1)
198	643.34	115.19	End Shut-In(1)
199	1904.24	116.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	675 GAS IN THE PIPE	0.00
150.00	MUDDY GASS OIL	1.54
0.00	6 GAS 60 OIL 34 MUD	0.00
250.00	WATER CHLORIDES 38000	3.51

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
 621 17TH STREET SUITE 1150  
 DENVER, COLORADO 80293  
 ATTN: JEREMY SCHWARTZ

FENWICK 32-26

Job Ticket: 01039

DST#: 1

Test Start: 2015.06.19 @ 00:00:00

## Tool Information

Drill Pipe:	Length: 3694.00 ft	Diameter: 3.80 inches	Volume: 51.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 62.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 74000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	3770.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3746.00	
Hydraulic tool	5.00			3751.00	
Jars	7.00			3758.00	
Safety Joint	2.00		Fluid	3760.00	
Top Packer	5.00			3765.00	
Packer	5.00			3770.00	29.00 Bottom Of Top Packer
Anchor	30.00			3800.00	
Recorder	0.00	9119	Inside	3800.00	
Recorder	0.00	9139	Outside	3800.00	
Bullnose	5.00			3805.00	35.00 Anchor Tool
<b>Total Tool Length:</b>	<b>64.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
 621 17TH STREET SUITE 1150  
 DENVER, COLORADO 80293  
 ATTN: JEREMY SCHWARTZ

FENWICK 32-26

Job Ticket: 01039

DST#: 1

Test Start: 2015.06.19 @ 00:00:00

### Mud and Cushion Information

Mud Type: Gel Chem  
 Mud Weight: 9.00 lb/gal  
 Viscosity: 49.00 sec/qt  
 Water Loss: 10.40 in<sup>3</sup>  
 Resistivity: ohm.m  
 Salinity: 4300.00 ppm  
 Filter Cake: 1.00 inches

Cushion Type:  
 Cushion Length: ft  
 Cushion Volume: bbl  
 Gas Cushion Type:  
 Gas Cushion Pressure: psia

Oil API: deg API  
 Water Salinity: 38000 ppm

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	675 GAS IN THE PIPE	0.000
150.00	MUDDY GASS OIL	1.539
0.00	6 GAS 60 OIL 34 MUD	0.000
250.00	WATER CHLORIDES 38000	3.507

Total Length: 400.00 ft      Total Volume: 5.046 bbl

Num Fluid Samples: 0

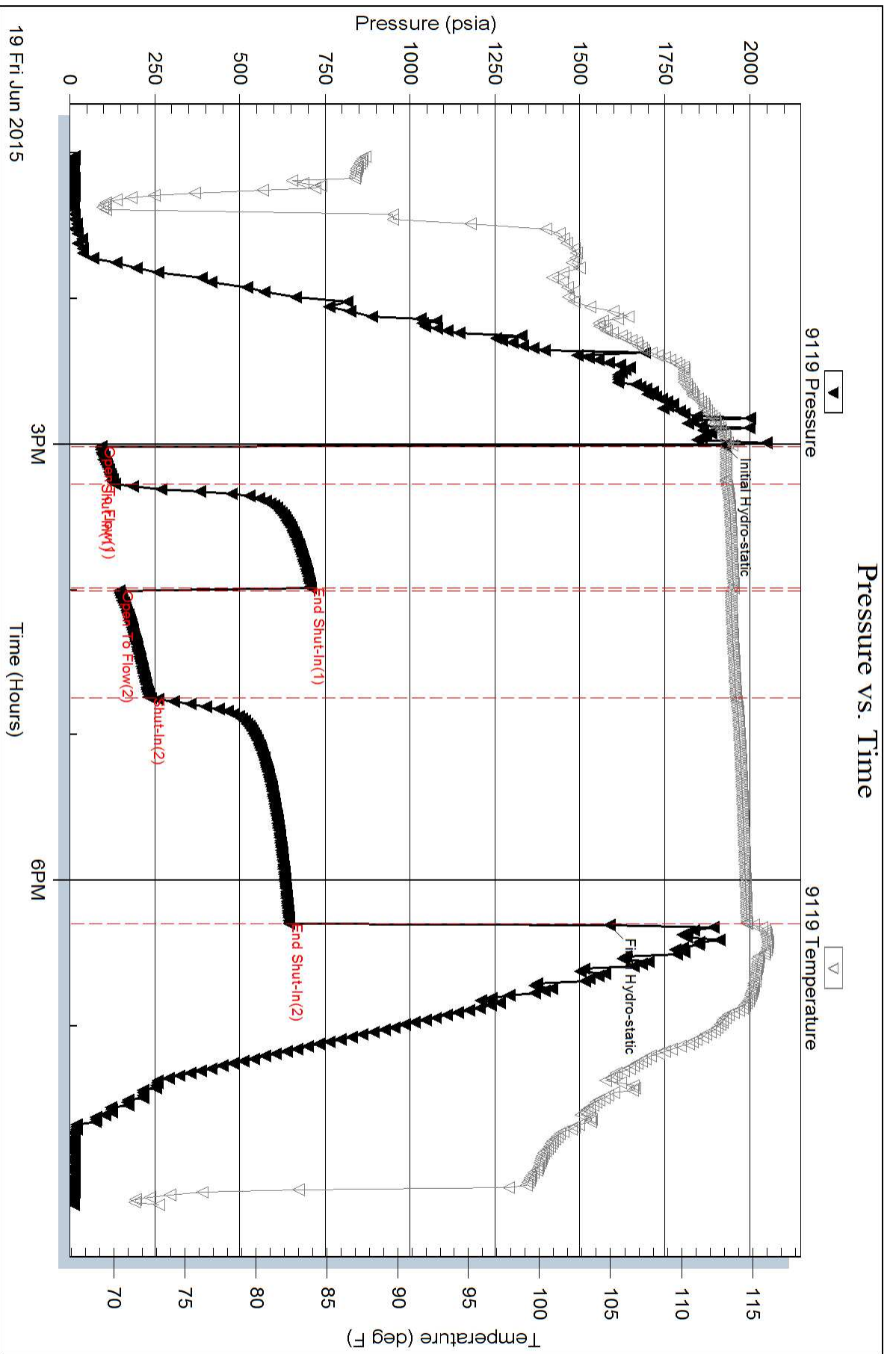
Num Gas Bombs: 0

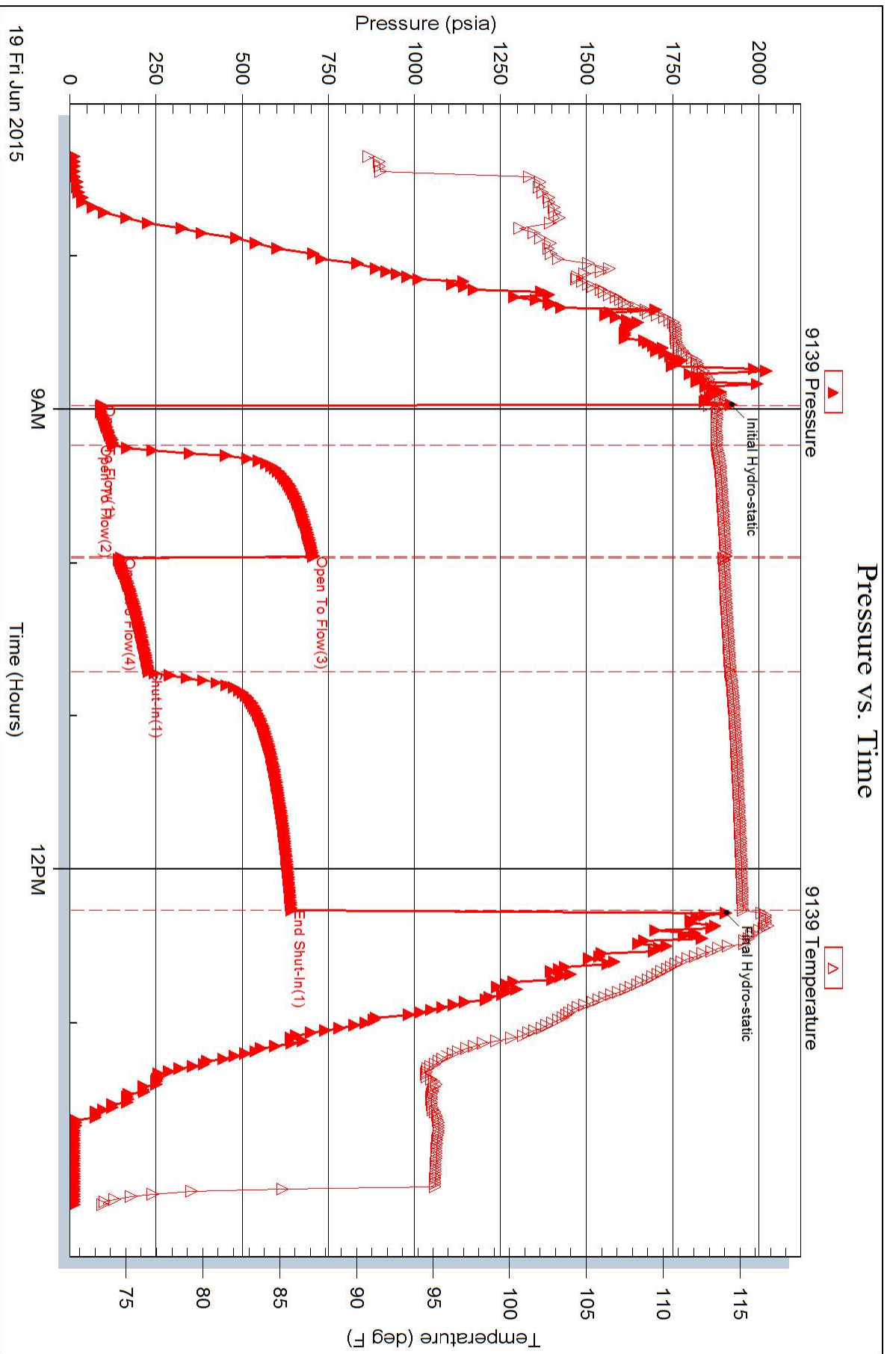
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **SHELBY RESOURCES LLC**

621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

ATTN: JEREMY SCHWARTZ

**FENWICK 32-26**

**26-21S-16W PAWNEE**

Start Date: 2015.06.20 @ 03:11:00

End Date:

Job Ticket #: 01040

DST #: 2

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

Printed: 2015.06.20 @ 19:36:51



# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

FENWICK 32-26

Job Ticket: 01040

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.06.20 @ 03:11:00

## GENERAL INFORMATION:

Formation: **simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No:

Interval: **3855.00 ft (KB) To 3890.00 ft (KB) (TVD)**

Reference Elevations: 1988.00 ft (KB)

Total Depth: 3890.00 ft (KB) (TVD)

1875.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 113.00 ft

Serial #: 3139 Outside

Press@RunDepth: 241.92 psia @ 3885.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.06.20

End Date: 2015.06.20

Last Calib.: 2015.06.20

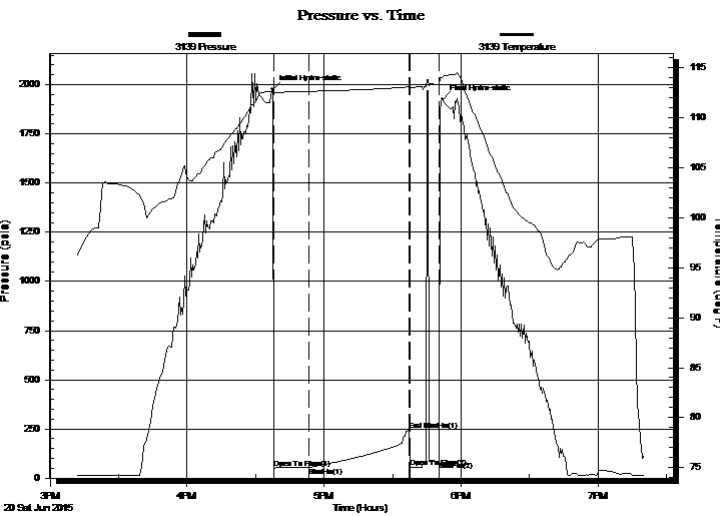
Start Time: 15:11:00

End Time: 19:20:30

Time On Btm: 2015.06.20 @ 16:37:30

Time Off Btm: 2015.06.20 @ 17:52:00

TEST COMMENT: 1st opening 15 minutes very weak surface blow for 6 minutes and died  
1st shut-in 45 minutes-no blow back  
2nd opening 10 minutes no blow came out of the hole



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1975.00	112.95	Initial Hydro-static
1	51.66	112.47	Open To Flow (1)
16	54.88	112.66	Shut-In(1)
60	241.92	113.09	End Shut-In(1)
60	55.82	112.99	Open To Flow (2)
73	87.76	113.38	Shut-In(2)
75	1926.24	114.15	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	drilling mud	0.42

## Gas Rates

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





# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

FENWICK 32-26

Job Ticket: 01040

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.06.20 @ 03:11:00

## GENERAL INFORMATION:

Formation: **simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended:

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No:

Interval: **3855.00 ft (KB) To 3890.00 ft (KB) (TVD)**

Reference Elevations: 1988.00 ft (KB)

Total Depth: 3890.00 ft (KB) (TVD)

1875.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 113.00 ft

Serial #: 9119

Inside

Press@RunDepth: 240.89 psia @ 3885.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2015.06.20

End Date: 2015.06.20

Last Calib.: 2015.06.20

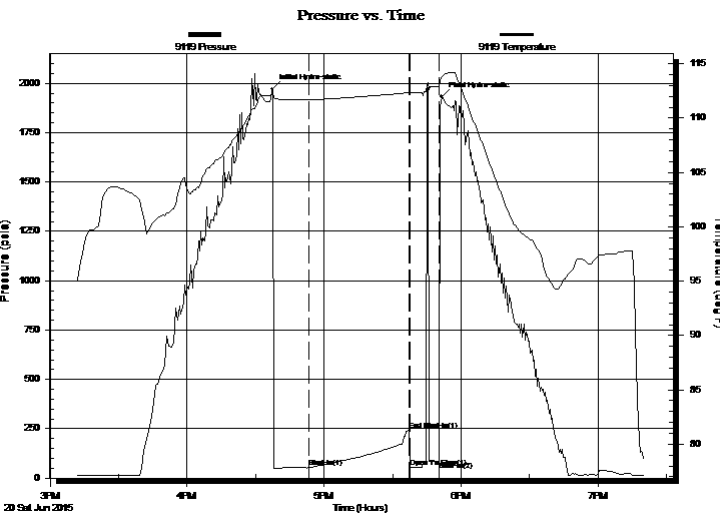
Start Time: 15:11:00

End Time: 19:20:30

Time On Btm: 2015.06.20 @ 16:37:30

Time Off Btm: 2015.06.20 @ 17:51:30

TEST COMMENT: 1st opening 15 minutes very weak surface blow for 6 minutes and died  
1st shut-in 45 minutes-no blow back  
2nd opening 10 minutes no blow came out of the hole



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1970.92	112.36	Initial Hydro-static
16	53.94	111.70	Shut-In(1)
60	240.89	112.36	End Shut-In(1)
60	56.46	112.25	Open To Flow (1)
73	87.17	112.89	Shut-In(2)
74	1932.41	113.78	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	drilling mud	0.42

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

FENWICK 32-26

Job Ticket: 01040

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.06.20 @ 03:11:00

## Tool Information

Drill Pipe:	Length: 3792.00 ft	Diameter: 3.80 inches	Volume: 53.19 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 62.00 ft	Diameter: 2.25 inches	Volume: 0.30 bbl	Weight to Pull Loose: 68000.00 lb
			Total Volume: - bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3855.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

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

Shut In Tool	5.00			3831.00	
Hydraulic tool	5.00			3836.00	
Jars	7.00			3843.00	
Safety Joint	2.00		Fluid	3845.00	
Top Packer	5.00			3850.00	
Packer	5.00			3855.00	29.00 Bottom Of Top Packer
Anchor	30.00			3885.00	
Recorder	0.00	9119	Inside	3885.00	
Recorder	0.00	3139	Outside	3885.00	
Bullnose	5.00			3890.00	35.00 Anchor Tool
<b>Total Tool Length:</b>	<b>64.00</b>				



# DRILL STEM TEST REPORT

## FLUID SUMMARY

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

FENWICK 32-26

Job Ticket: 01040

DST#: 2

ATTN: JEREMY SCHWARTZ

Test Start: 2015.06.20 @ 03:11:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.60 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbf
70.00	drilling mud	0.417

Total Length: 70.00 ft      Total Volume: 0.417 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

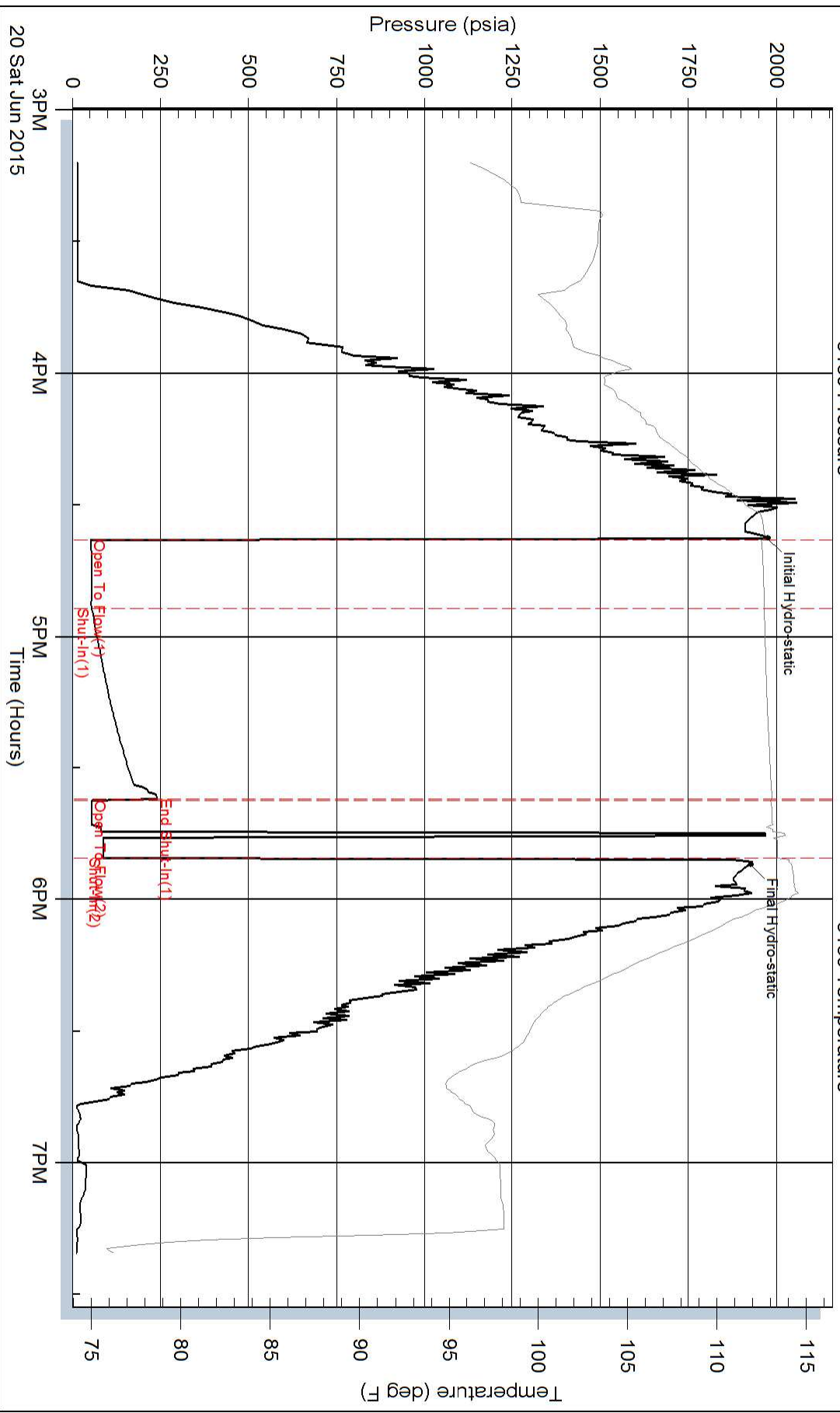
Serial #:

Laboratory Name:

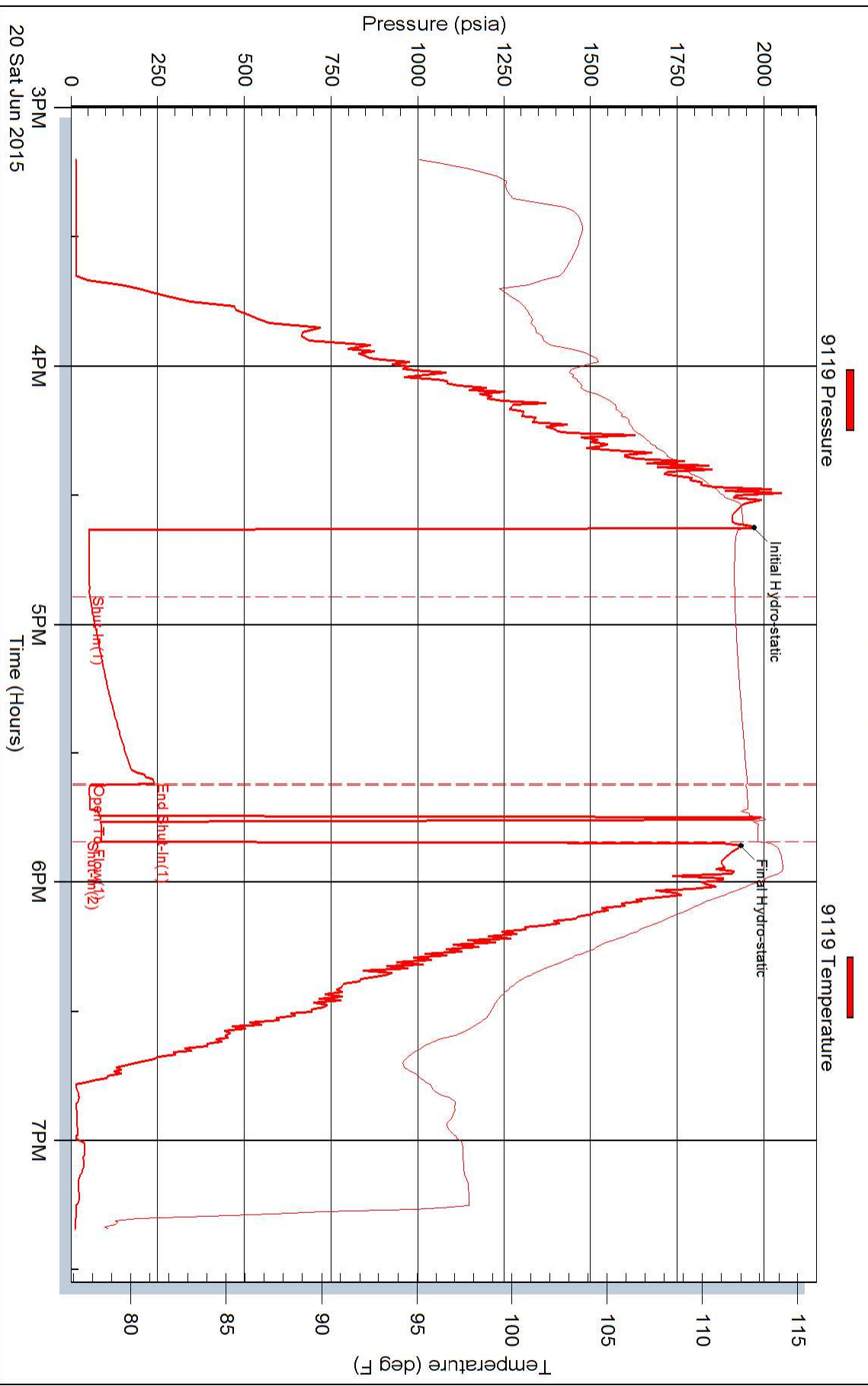
Laboratory Location:

Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time





Scale 1:240 Imperial

Well Name: Fenwick #2-26  
 Surface Location: 992' FSL, 1832 'FEL, Sec. 26-21S-16W  
 Bottom Location:  
 API: 15-145-21804-0000  
 License Number:  
 Spud Date: 6/15/2015 Time: 9:15 PM  
 Region: Pawnee  
 Drilling Completed: 6/21/2015 Time: 6:35 AM  
 Surface Coordinates:  
 Bottom Hole Coordinates:  
 Ground Elevation: 1975.00ft  
 K.B. Elevation: 1988.00ft  
 Logged Interval: 3100.00ft To: 4025.00ft  
 Total Depth: 4025.00ft  
 Formation: Penn Sand  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**OPERATOR**

Company: Shelby Resources, LLC  
 Address: 621 17th St, Ste 1150  
 Denver, CO 80293  
 Contact Geologist: Janine Sturdavant  
 Contact Phone Nbr: 303-907-2209 / 720-274-4682  
 Well Name: Fenwick #2-26  
 Location: 992' FSL, 1832 'FEL, Sec. 26-21S-16W  
 API: 15-145-21804-0000  
 Pool:  
 State: Kansas Field: Wildcat  
 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 Fenwick #2-26 was drilled to a total depth of 4025', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

2 DST's were conducted throughout the Conglomerate and Simpson 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 plug and abandon the well. The dry samples were saved and will be available for further 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: 6/15/2015  
 TD Date: 6/21/2015  
 Rig Release:

Time: 9:15 PM  
 Time: 6:35 AM  
 Time:









### ELEVATIONS

K.B. Elevation: 1988.00ft  
 K.B. to Ground: 13.00ft  
 Ground Elevation: 1975.00ft

DATE	DEPTH	ACTIVITY
Thursday, June 18, 2015	3370'	Geologist Jeremy Schwartz on location @ 2230hrs ~3370', Drlg ahead through
Friday, June 19, 2015	3550'	Heebner, Toronto, Douglas Shale, Brown Lime, LKC, CFS @ 3551', Resume Drlg ahead
	3730'	through Stark Shale, BKC, Marmaton, CFS @ 3765', Conduct Bit Trip, Drop survey,
		Strap out, Swap PDC for Button Bit, Successful Bit Trip, Resume Drlg ahead through
	3805'	Marmaton, Conglomerate, Conglomerate Sand, CFS @ 3805', Conduct DST #1
Saturday, June 20, 2015	3805'	Successful Test, Resume Drlg ahead through Conglomerate, CFS @ 3821', Resume
	3896'	Drlh ahead, CFS @ 3876', Resume Drlg ahead, CFS @ 3896', Conduct DST #2 in the
		Simpson Sand, Successful Test, Resume Drlg ahead,
Sunday, June 21, 2015	3930'	CFS@ 3930', Resume Drlg ahead, CFS @ 3939', Resume Drlg ahead to TD @ 4025,
	4025'	TD of 4025' reached @ 0635hrs, CTCH 1hr, OOH, Conduct Logging Operations
		Logging Operations complete @ 1415hrs
		Geologist Jeremy Schwartz off location @ 1530hrs



FORMATION	CAPTIVA II, LLC												SHELBY RESOURCES, LLC									
	FENWICK #2-26						FENWICK #1-35						FENWICK UNIT #1-26									
	FENWICK #2-26		NW SW NE NE 35-21S-16W				SE SW SE NW 35-21S-16W				NW NE NE SE 26-21S-16W											
	KB	1988	KB	1988	KB	1991	KB	1984	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.								
	LOG TOPS	SAMPLE TOPS	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.								
ANHYDRITE TOP	977	1011	976	1012	974	1014	-	3	-	2	978	1013	-	2	-	1	966	1018	-	7	-	6
BASE	1004	984	1002	986	1000	988	-	4	-	2	1002	989	-	5	-	3	988	996	-	12	-	10
TOPEKA	3134	-1146	3134	-1146	3132	-1144	-	2	-	2	3136	-1145	-	1	-	1	3119	-1135	-	11	-	11
HEEBNER SHALE	3396	-1408	3396	-1408	3395	-1407	-	1	-	1	3400	-1409	+	1	+	1	3379	-1395	-	13	-	13
TORONTO	3417	-1429	3420	-1432	3417	-1429	+	0	-	3	3419	-1428	-	1	-	4	3400	-1416	-	13	-	16
DOUGLAS SHALE	3430	-1442	3433	-1445	3430	-1442	+	0	-	3	3437	-1446	+	4	+	1	3414	-1430	-	12	-	15
BROWN LIME	3496	-1508	3498	-1510	3496	-1508	+	0	-	2	3504	-1513	+	5	+	3	3479	-1495	-	13	-	15
LKC	3504	-1516	3506	-1518	3504	-1516	+	0	-	2	3514	-1523	+	7	+	5	3488	-1504	-	12	-	14
STARK SHALE	3692	-1704	3695	-1707	3696	-1708	+	4	+	1	3701	-1710	+	6	+	3	3676	-1692	-	12	-	15
BKC	3739	-1751	3740	-1752	3742	-1754	+	3	+	2	3752	-1761	+	10	+	9	3724	-1740	-	11	-	12
MARMATON	3760	-1772	3762	-1774	3764	-1776	+	4	+	2	3766	-1775	+	3	+	1	3746	-1762	-	10	-	12
CONG. SANDY/CHRT	3791	-1803	3790	-1802	3798	-1810	+	7	+	8	3806	-1815	+	12	+	13	3774	-1790	-	13	-	12
SIMPSON SHALE	3862	-1874	3858	-1870	3864	-1876	+	2	+	6	3884	-1893	+	19	+	23	3822	-1838	-	36	-	32
SIMPSON SAND	3881	-1893	3885	-1897	3884	-1896	+	3	-	1	3892	-1901	+	8	+	4	3849	-1865	-	28	-	32
ARBUCKLE	3926	-1938	3927	-1939	3927	-1939	+	1	+	0	3947	-1956	+	18	+	17	3888	-1904	-	34	-	35
RTD			4025	-2037	4025	-2037			+	0	4042	-2051			+	14	4000	-2016			-	21
LTD	4024	-2036			4026	-2038	+	2			4038	-2047	+	11			4000	-2016	-	20		

### ROCK TYPES



 Congl  
 Dolprim  
 Lmst fw<7  
 shale, grn  
 shale, gry  
 Carbon Sh  
 shale, red  
 Ss

### ACCESSORIES




#### MINERAL

 Chert White  
 Varicolored chert


#### FOSSIL

 Bioclastic or Fragmental  
 Fossils < 20%

#### STRINGER





 Chert  
 Conglomerate  
 Dolomite  
 Sandstone  
 Shale  
 green shale  
 red shale

#### TEXTURE

 Chalky





### OTHER SYMBOLS

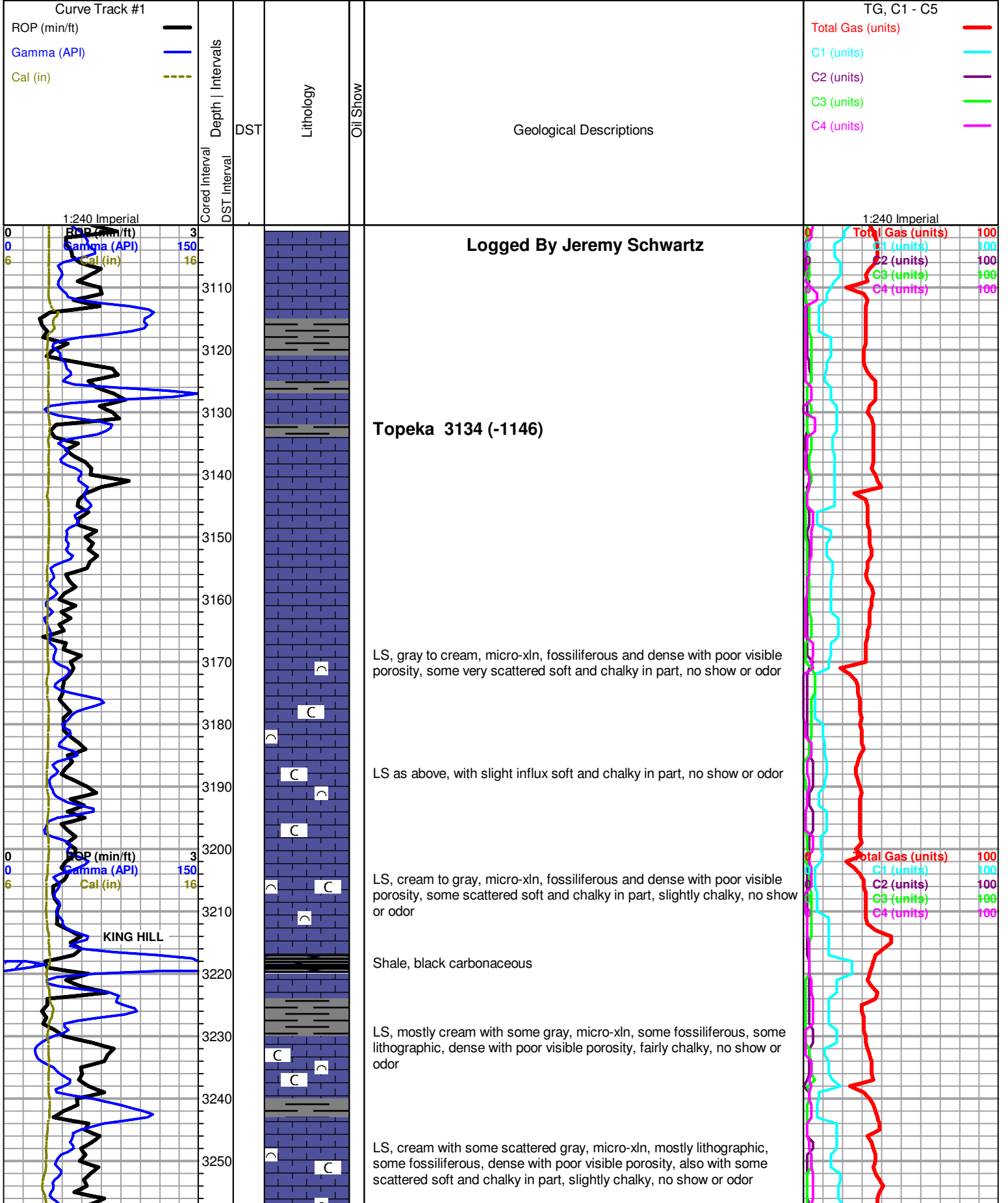
#### MISC

 Daily Report  
 Digital Photo  
 Document  
 Folder

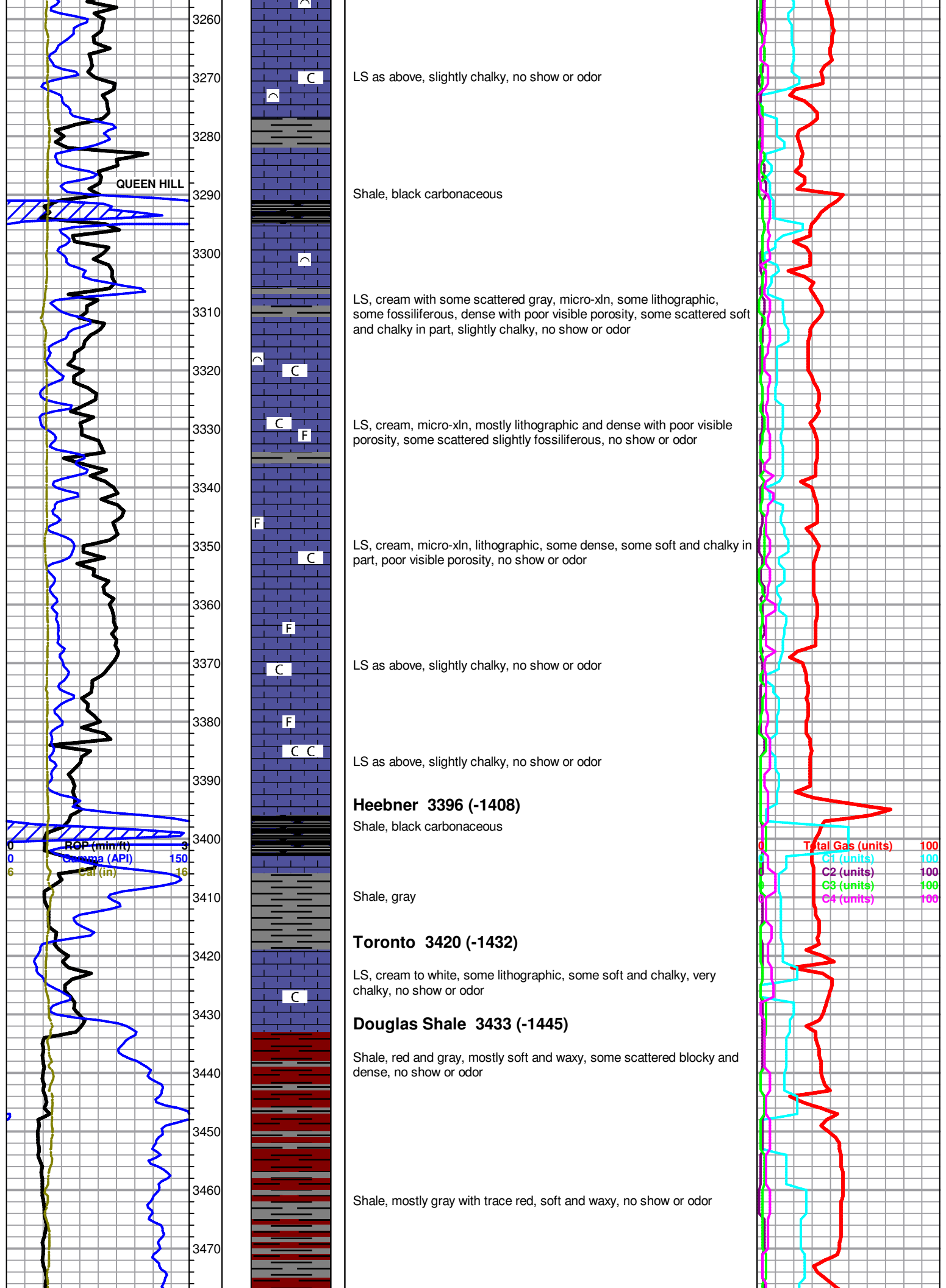
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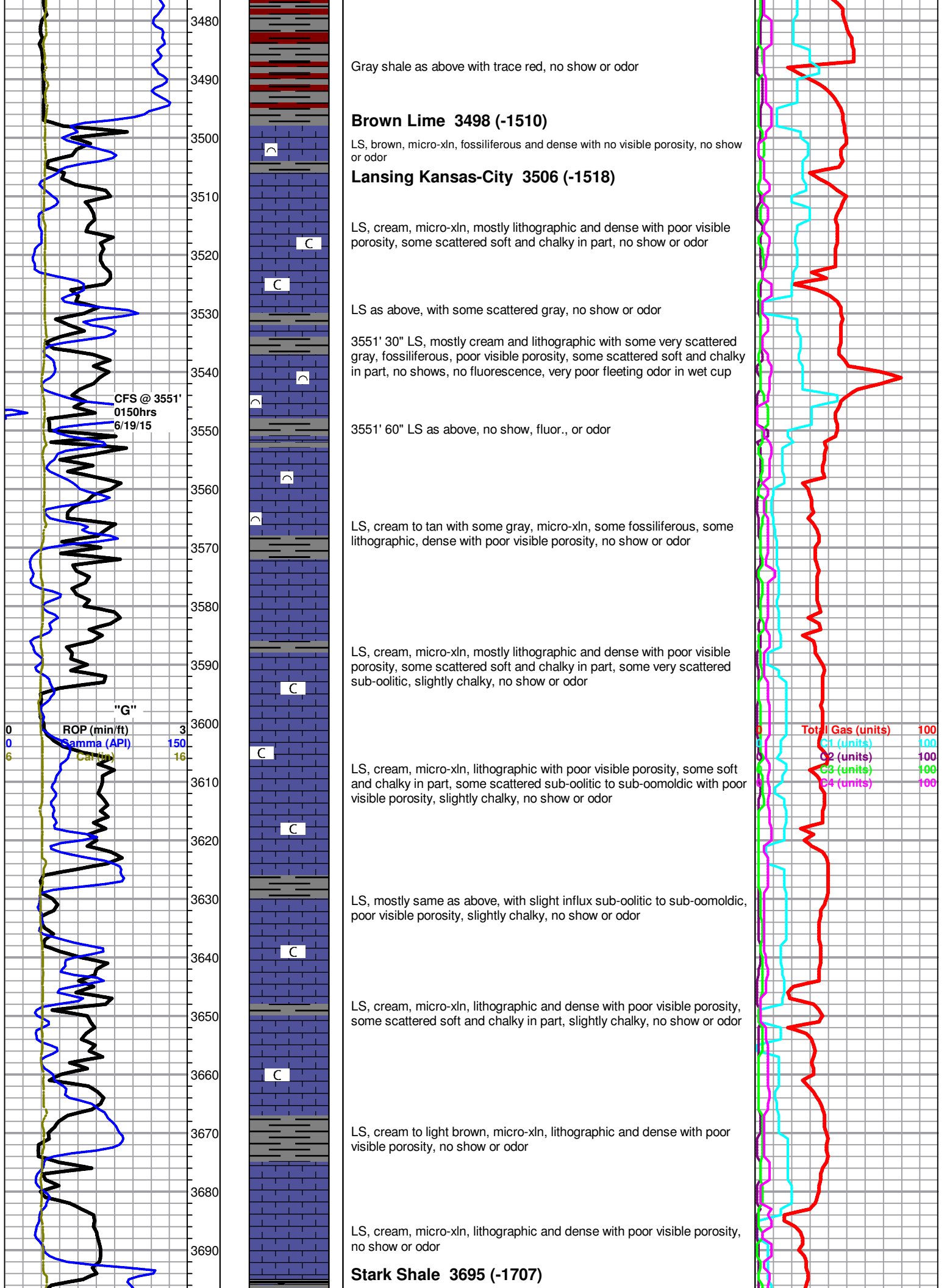
 DST Int  
 DST alt

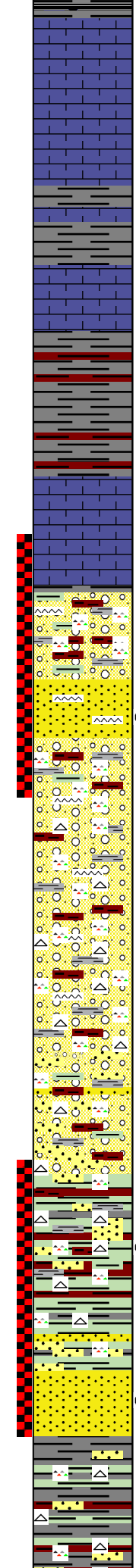
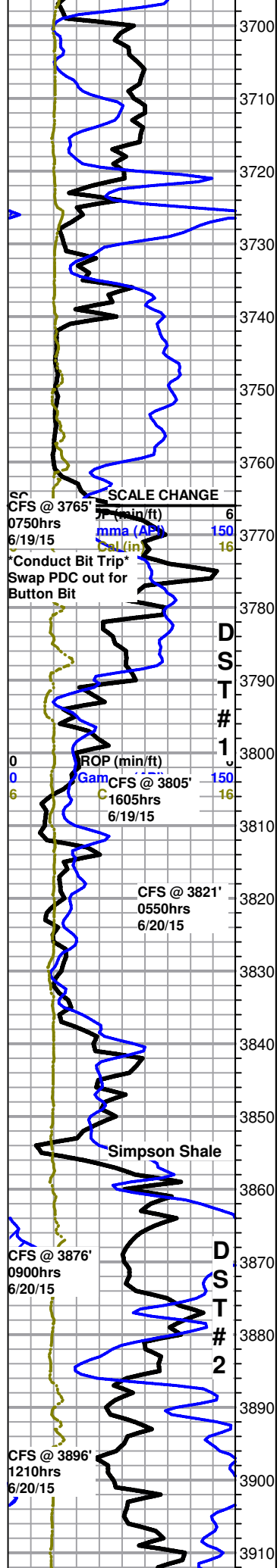
-  Vertical Log File
-  Horizontal Log File
-  Core Log File
-  Drill Cuttings Rpt











Shale, gray with trace black

LS, cream, micro- $\text{xl}$ n, lithographic and dense with poor visible porosity, no show or odor

LS, cream to light brown with some scattered gray mottled, dense with poor visible porosity, also with gray shale and trace red, no show or odor

**B/KC 3740 (-1752)**

3765' 30" LS, cream, to light brown with some scattered gray mottled, dense with poor visible porosity, also with gray shale and trace red, no show or odor

3765' 60" Shale, gray and red, some soft and waxy, some blocky and dense

**Marmaton 3762 (-1774)**

LS, cream, micro- $\text{xl}$ n, mostly lithographic and dense with poor visible porosity, some very scattered slightly fossiliferous, poor visible porosity, no show or odor

Mixed gray and red shales with trace green, with some scattered cream to gray LS, lithographic and dense with poor visible porosity, with some very scattered vari-colored white/brown/orange/red/yellow chert, heavy red wash

**Conglomerate Sand 3790 (-1802)**

FENWICK 2-26 DST 1.jpg

3805' 30" Conglomerate as above, also with some SS clusters, vf-grained, light brown to brown, mostly sub-rounded with some scattered sub-angular, most loosely cemented and friable with fair to good visible porosity, most clusters slowly bleed oil and few very scattered gas bubble to surface when left under lamp, stain also increases to mostly saturated to saturated, upon break SSFO, also with some scattered SS clusters as above, fairly well cemented with scattered white chert inclusions, SSFO in tray, good odor

3805' 60" Conglomerate, with some very scattered SS clusters as above, some very scattered sub-rounded clear SS grains in bottom of tray, NSFO, fair odor

3821' 20" Conglomerate, with influx tan to brown and some scattered cream to white chert, most sharp and fresh, no show or odor

3821' 45" Conglomerate with chert as above, no show or odor

Chert, brown to tan and white, with some scattered mixed shales and LS, no show or odor

Conglomerate as above, also with some very scattered green shale, no show or odor

Mixed tan to brown and white cherts, cream LS, and some scattered gray shale with trace green, also with few very scattered SS clusters, f-med grained, clear to brown, sub-rounded, few fairly well cemented, few fairly friable, mostly barren, one cluster with SSFO upon break, NSFO in tray, no odor

3876' 30" Mostly tan to white chert, with some cream LS, some oomoldic, with gray shale and very scattered green, also with few very scattered SS clusters, clear to brown, sub-rounded to sub-angular, fairly well sorted, most very well cemented and dense, appear barren, few clusters fairly friable, most with NSFO upon break, few clusters with SSFO upon break, NSFO in tray, no odor

45" Mostly same as above, found one SS cluster, light brown, f-grained, friable, with slight to fair show free oil upon break and slight increase in odor, NSFO in tray, no odor

~3880' Mixed tan to white with some very scattered red/orange cherts, gray and red shale, and very scattered cream LS, with influx green to pale green/yellow shale, no show or odor

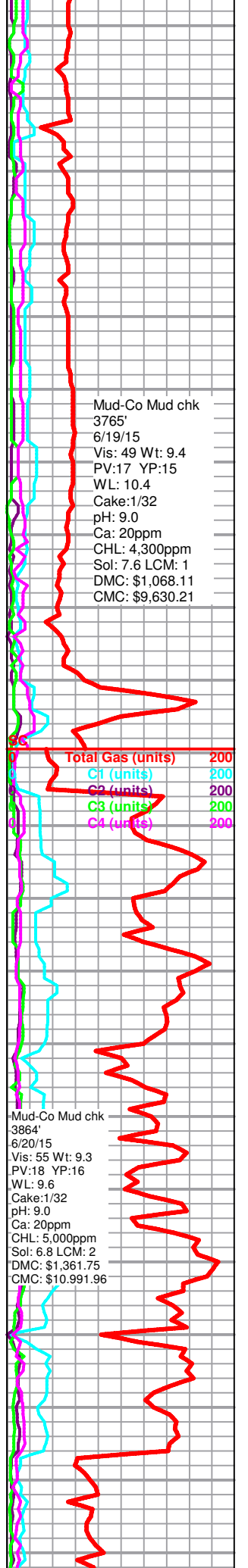
**Simpson Sand 3885 (-1897)**

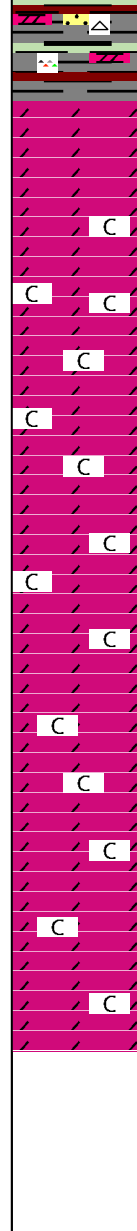
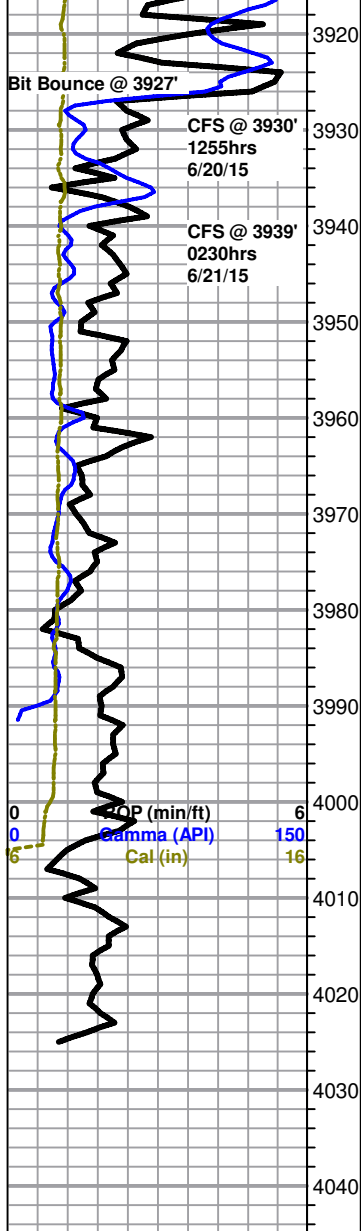
3896' 20" Mixed gray, green, and red shales, with some SS clusters, clear to light brown, f-med grained, sub-rounded to sub-angular, most fairly friable, some well cemented, most clusters slowly bleed few oil droplets to surface under lamp, upon break most have slight to fair show free oil, few clusters with slight show gas bubbles, some slightly chalk filled, poor odor

3896' 60" Mostly same as above, with SS and shows appearing to be slightly dropping out, SSFO in tray, poor odor

FENWICK 2-26 DST 2.jpg

Gray, green, and red shale, with some very scattered white to tan and brown





Gray, green, and red shale, with some very scattered white to tan and brown chert, also with few scattered SS clusters, clear to light brown, f-med grained, sub-angular, most well cemented and dense, poorly sorted, some with shale and chert inclusions, slightly chalk filled, no show or odor

~3920' Mixed shales, cherts, and SS as above, also with some very scattered dolomite, cream to light gray, micro-xln, sucrosic and very dense with poor visible porosity, some pyritic, barren, no show or odor

**Arbuckle 3927 (-1939)**

3939' 30" Dolomite, cream to light brown, micro-xln, sucrosic and dense with poor visible porosity, some sub-rhombic, mostly dense with poor visible porosity, some fairly friable, no show or odor

3939' 60" Dolomite as above, fairly chalky, no show or odor

Dolomite, cream with some very scattered light brown, micro-xln, sucrosic to sub-sucrosic, mostly sub-rhombic and dense with poor visible porosity, some fairly friable, very chalky, no show or odor

Dolomite as above, slightly less chalky, no show or odor

Dolomite, cream to light brown, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, some fairly friable, some scattered sub-rhombic, very chalky, no show or odor

Dolomite, cream to white, micro-xln, mostly sucrosic and dense with poor visible porosity, some scattered fairly friable, some very scattered sub-rhombic, slightly chalky, no show or odor

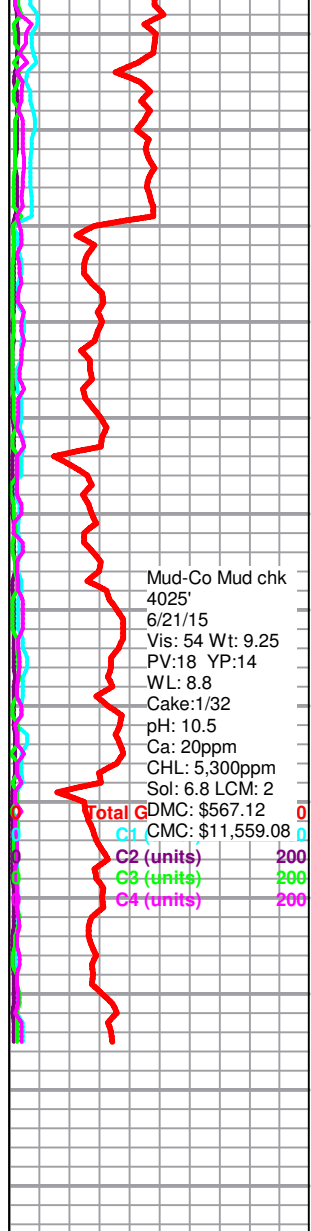
Dolomite as above, fairly chalky, no show or odor

Dolomite, cream to white with some very scattered light brown, sucrosic and dense with poor visible porosity, some scattered fairly friable, some very scattered sub-rhombic, fairly chalky, no show or odor

Dolomite as above, with some very scattered sub-rhombic with poor to fair visible porosity, no show or odor

Dolomite as above, slightly chalky, no show or odor

**Rotary TD 4025' @ 0635hrs 6/21/15**  
**Nabors Well Services Logging TD @ 4024'**  
**Complete Logging Operations @ 1415hrs 6/21/15**  
**Geologist Jeremy Schwartz off location @ 1530hrs 6/21/15**





# DRILL STEM TEST REPORT

SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
 621 17TH STREET SUITE 1150  
 DENVER, COLORADO 80293  
 ATTN: JEREMY SCHWARTZ

FENWICK 32-26

Job Ticket: 01039

DST#: 1

Test Start: 2015.06.19 @ 00:00:00

**GENERAL INFORMATION:**

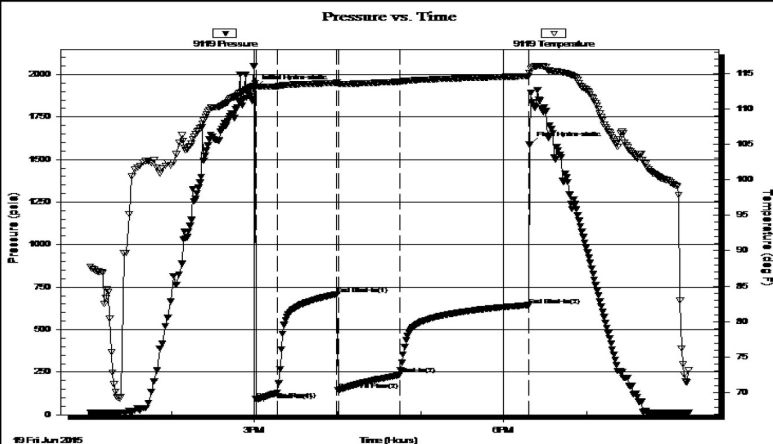
Formation: **CONGLOMERATE**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: GENE BUDIG  
 Unit No: 42  
 Interval: **3770.00 ft (KB) To 3805.00 ft (KB) (TVD)**  
 Total Depth: 3805.00 ft (KB) (TVD)  
 Reference Elevations: 1988.00 ft (KB)  
 1875.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 113.00 ft

**Serial #: 9119**

**Inside**

Press@RunDepth: 644.40 psia @ 3800.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2015.06.19 End Date: 2015.06.19 Last Calib.: 2015.06.20  
 Start Time: 07:20:00 End Time: 20:13:53 Time On Btm: 2015.06.19 @ 15:00:23  
 Time Off Btm: 2015.06.19 @ 18:18:23

TEST COMMENT: 1ST OPENING 15 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES  
 1ST SHUT-IN 45 MINUTES- FAIR BLOW BACK  
 2ND OPENING 45 MINUTES FAIR BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 6 MINUTES



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1924.57	113.57	Initial Hydro-static
1	92.78	113.14	Open To Flow (1)
16	131.99	113.15	Shut-In(1)
59	708.15	113.65	End Shut-In(1)
60	145.75	113.49	Open To Flow (2)
105	238.08	113.82	Shut-In(2)
198	644.40	114.59	End Shut-In(2)
199	1586.85	115.06	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	675 GAS IN THE PIPE	0.00
150.00	MUDDY GASS OIL	1.54
0.00	6 GAS 60 OIL 34 MUD	0.00
250.00	WATER CHLORIDES 38000	3.51

**Gas Rates**

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

DRILL STEM TEST REPORT



SHELBY RESOURCES LLC

26-21S-16W PAWNEE

621 17TH STREET SUITE 1150  
DENVER, COLORADO 80293

FENWICK 32-26

Job Ticket: 01040

DST#: 2

ATTN: JEREMY SCHWARTZ

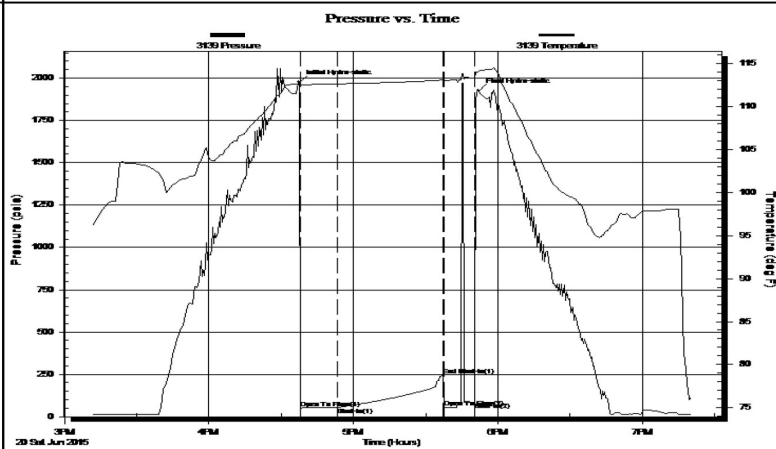
Test Start: 2015.06.20 @ 03:11:00

GENERAL INFORMATION:

Formation: **simpson**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened:  
 Tester: GENE BUDIG  
 Time Test Ended:  
 Unit No:  
 Interval: **3855.00 ft (KB) To 3890.00 ft (KB) (TVD)**  
 Reference Elevations: 1988.00 ft (KB)  
 Total Depth: 3890.00 ft (KB) (TVD)  
 1875.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 KB to GR/CF: 113.00 ft

Serial #: **3139** Outside  
 Press@RunDepth: 241.92 psia @ 3885.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2015.06.20 End Date: 2015.06.20 Last Calib.: 2015.06.20  
 Start Time: 15:11:00 End Time: 19:20:30 Time On Btm: 2015.06.20 @ 16:37:30  
 Time Off Btm: 2015.06.20 @ 17:52:00

TEST COMMENT: 1st opening 15 minutes very weak surface blow for 6 minutes and died  
 1st shut-in 45 minutes-no blow back  
 2nd opening 10 minutes no blow came out of the hole



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1975.00	112.95	Initial Hydro-static
1	51.66	112.47	Open To Flow (1)
16	54.88	112.66	Shut-In(1)
60	241.92	113.09	End Shut-In(1)
60	55.82	112.99	Open To Flow (2)
73	87.76	113.38	Shut-In(2)
75	1926.24	114.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	drilling mud	0.42

Gas Rates

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