

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

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

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

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: 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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFY 1-36
Doc ID	1337289

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Cement Bond

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFY 1-36
Doc ID	1337289

Tops

Name	Top	Datum
Heebner	3387	-1403
L-KC	3498	-1514
Stark Shale	3688	-1704
BKC	3721	-1737
Conglomerate	3794	-1810
Viola	3809	-1825
Simpson Shale	3858	-1874
Arbuckle	3926	-1942
LTD	4040	-2056

Summary of Changes

Lease Name and Number: WFY 1-36

API/Permit #: 15-145-21794-00-00

Doc ID: 1337289

Correction Number: 1

Approved By: Karen Ritter

Field Name	Previous Value	New Value
Approved By	NAOMI JAMES	Karen Ritter
Approved Date	03/05/2015	02/21/2017
Date of First or Resumed Production or SWD or Enhr Save Link	12/21/2014 .../kcc/detail/operatorEditDetail.cfm?docID=1243706	01/21/2015 .../kcc/detail/operatorEditDetail.cfm?docID=1337289

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

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

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

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

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

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

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFY 1-36
Doc ID	1243706

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic
Cement Bond

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFY 1-36
Doc ID	1243706

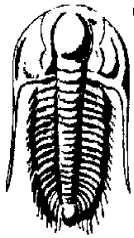
Tops

Name	Top	Datum
Heebner	3387	-1403
L-KC	3498	-1514
Stark Shale	3688	-1704
BKC	3721	-1737
Conglomerate	3794	-1810
Viola	3809	-1825
Simpson Shale	3858	-1874
Arbuckle	3926	-1942
LTD	4040	-2056

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	WFY 1-36
Doc ID	1243706

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3794-98	500 gal 15% INS	



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C.
 445 Union Blvd Suite 208
 Lakewood, Colorado 80228
 ATTN: jeremy Schwartz

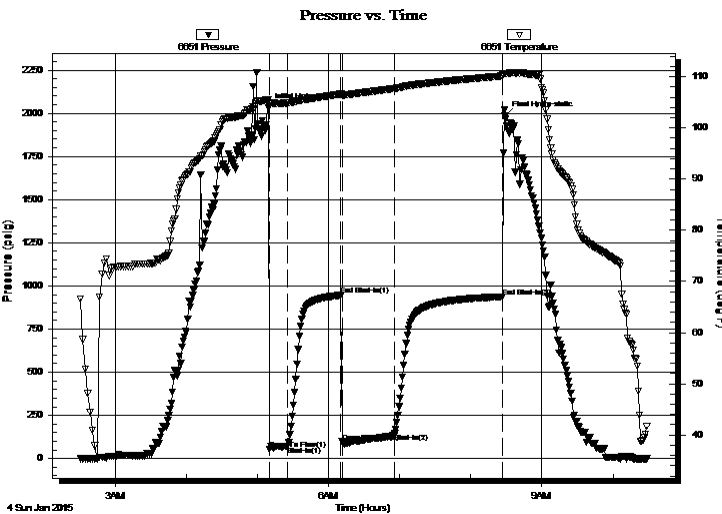
36-21s-16w Pawnee
WFY #1-36
 Job Ticket: 1 **DST#: 1**
 Test Start: 2015.01.04 @ 02:31:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:10:30
 Time Test Ended: 10:29:00
 Interval: **3762.00 ft (KB) To 3803.00 ft (KB) (TVD)**
 Total Depth: 3803.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 60-42
 Reference Elevations: 1984.00 ft (KB)
 1972.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6651 Inside
 Press @ Run Depth: 146.26 psig @ 3798.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.04 End Date: 2015.01.04 Last Calib.: 2015.01.04
 Start Time: 02:31:00 End Time: 10:29:00 Time On Btm: 2015.01.04 @ 05:09:30
 Time Off Btm: 2015.01.04 @ 08:29:00

TEST COMMENT: 1st Opening 15 Minutes Fair blow bob in 1 1/2 minutes
 1st Shut-In 45 Minutes-No blow back
 2nd Opening 45 Minutes-Good blow bob in 1 minute gas in 32
 2nd Shut-In 90 Minutes-weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.80	105.50	Initial Hydro-static
1	52.80	104.88	Open To Flow (1)
16	71.82	104.86	Shut-In(1)
61	945.86	106.61	End Shut-In(1)
62	95.86	106.37	Open To Flow (2)
107	146.26	107.71	Shut-In(2)
197	937.63	110.13	End Shut-In(2)
200	1986.72	110.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Clean Gassy Oil Gravity 42	2.13
0.00	15%Gas 85%Oil	0.00
75.00	Muddy gassy oil	1.05
0.00	15%Gas 60%oil 25%mud	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate	0.13	3.00	6.51



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Shelby Resources L.L.C.
 445 Union Blvd Suite 208
 Lakewood, Colorado 80228
 ATTN: jeremy Schwartz

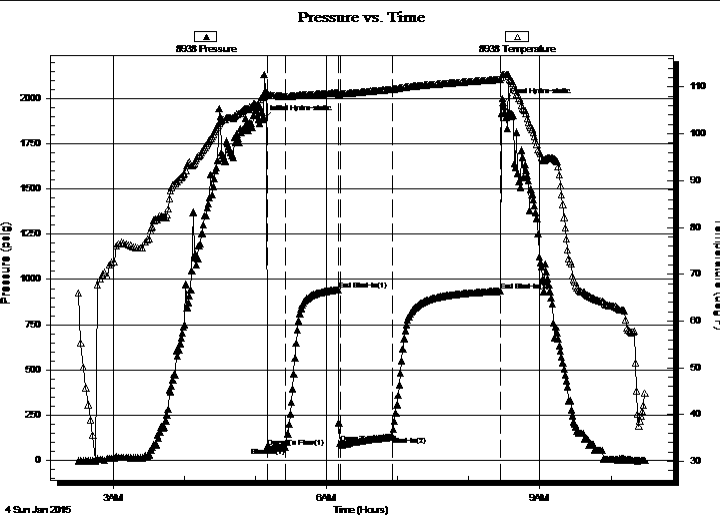
36-21s-16w Pawnee
WFY #1-36
 Job Ticket: 1 **DST#: 1**
 Test Start: 2015.01.04 @ 02:31:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:10:30
 Time Test Ended: 10:29:00
 Interval: **3762.00 ft (KB) To 3803.00 ft (KB) (TVD)**
 Total Depth: 3803.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 60-42
 Reference Elevations: 1984.00 ft (KB)
 1972.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8938 Outside
 Press @ Run Depth: 935.73 psig @ 3798.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.04 End Date: 2015.01.04 Last Calib.: 2015.01.04
 Start Time: 02:31:00 End Time: 10:29:00 Time On Btm: 2015.01.04 @ 05:07:00
 Time Off Btm: 2015.01.04 @ 08:29:00

TEST COMMENT: 1st Opening 15 Minutes Fair blow bob in 1 1/2 minutes
 1st Shut-In 45 Minutes-No blow back
 2nd Opening 45 Minutes-Good blow bob in 1 minute gas in 32
 2nd Shut-In 90 Minutes-weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.78	107.82	Initial Hydro-static
3	75.84	108.15	Open To Flow (1)
19	72.81	107.99	Shut-In(1)
63	943.94	108.77	End Shut-In(1)
65	93.36	108.56	Open To Flow (2)
109	133.31	109.52	Shut-In(2)
200	935.73	111.64	End Shut-In(2)
202	1977.06	112.70	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Clean Gassy Oil Gravity 42	2.13
0.00	15%Gas 85%Oil	0.00
75.00	Muddy gassy oil	1.05
0.00	15%Gas 60%oil 25%mud	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate	0.13	3.00	6.51



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C.
445 Union Blvd Suite 208
Lakewood, Colorado 80228
ATTN: jeremy Schwartz

36-21s-16w Pawnee
WFY #1-36
Job Ticket: 1 **DST#: 1**
Test Start: 2015.01.04 @ 02:31:00

Mud and Cushion Information

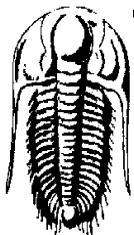
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	Clean Gassy Oil Gravity 42	2.126
0.00	15%Gas 85%Oil	0.000
75.00	Muddy gassy oil	1.052
0.00	15%Gas 60%oil 25%mud	0.000

Total Length: 285.00 ft Total Volume: 3.178 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Shelby Resources L.L.C.
445 Union Blvd Suite 208
Lakewood, Colorado 80228
ATTN: jeremy Schwartz

36-21s-16w Pawnee
WFY #1-36
Job Ticket: 1 **DST#: 1**
Test Start: 2015.01.04 @ 02:31:00

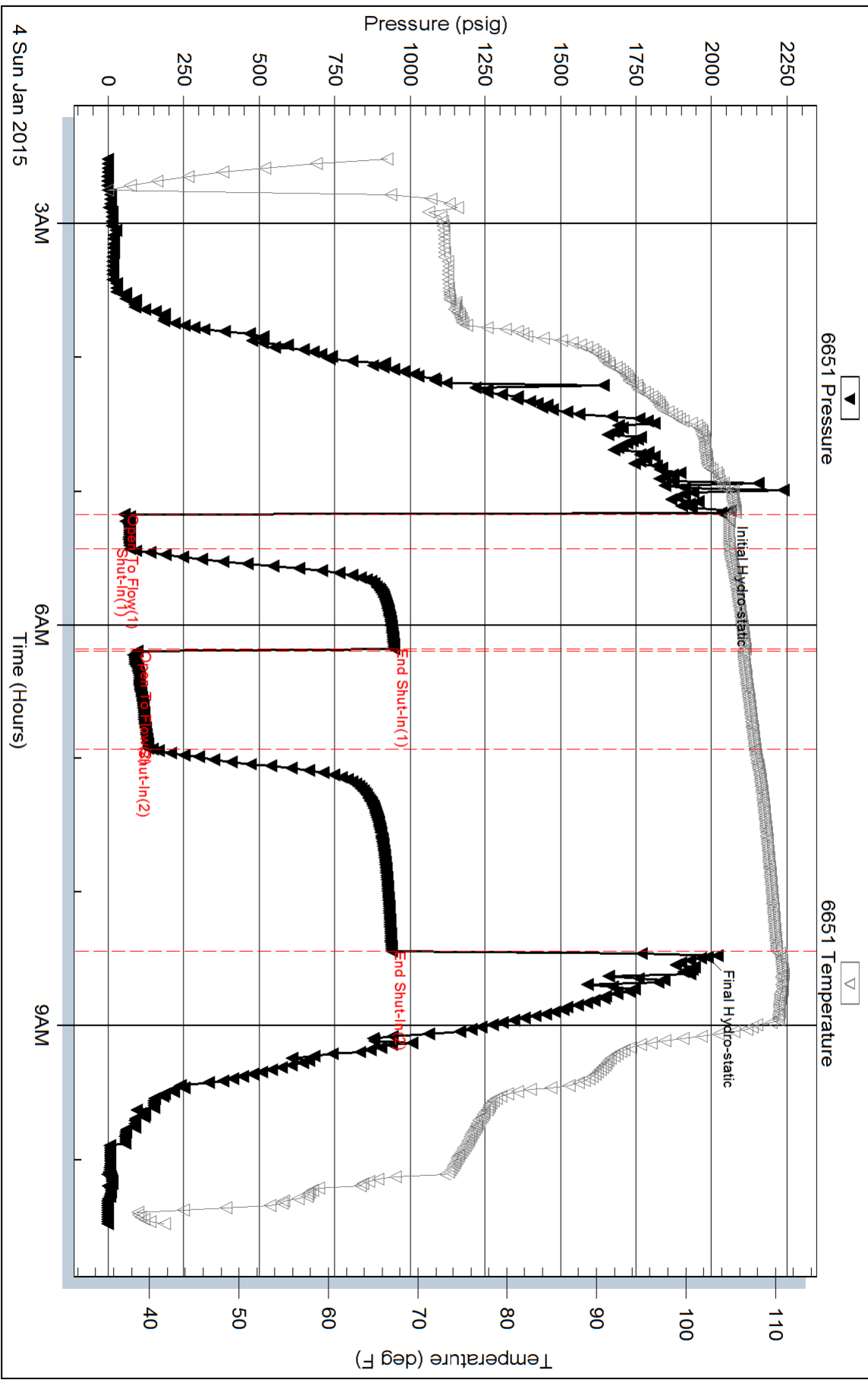
Gas Rates Information

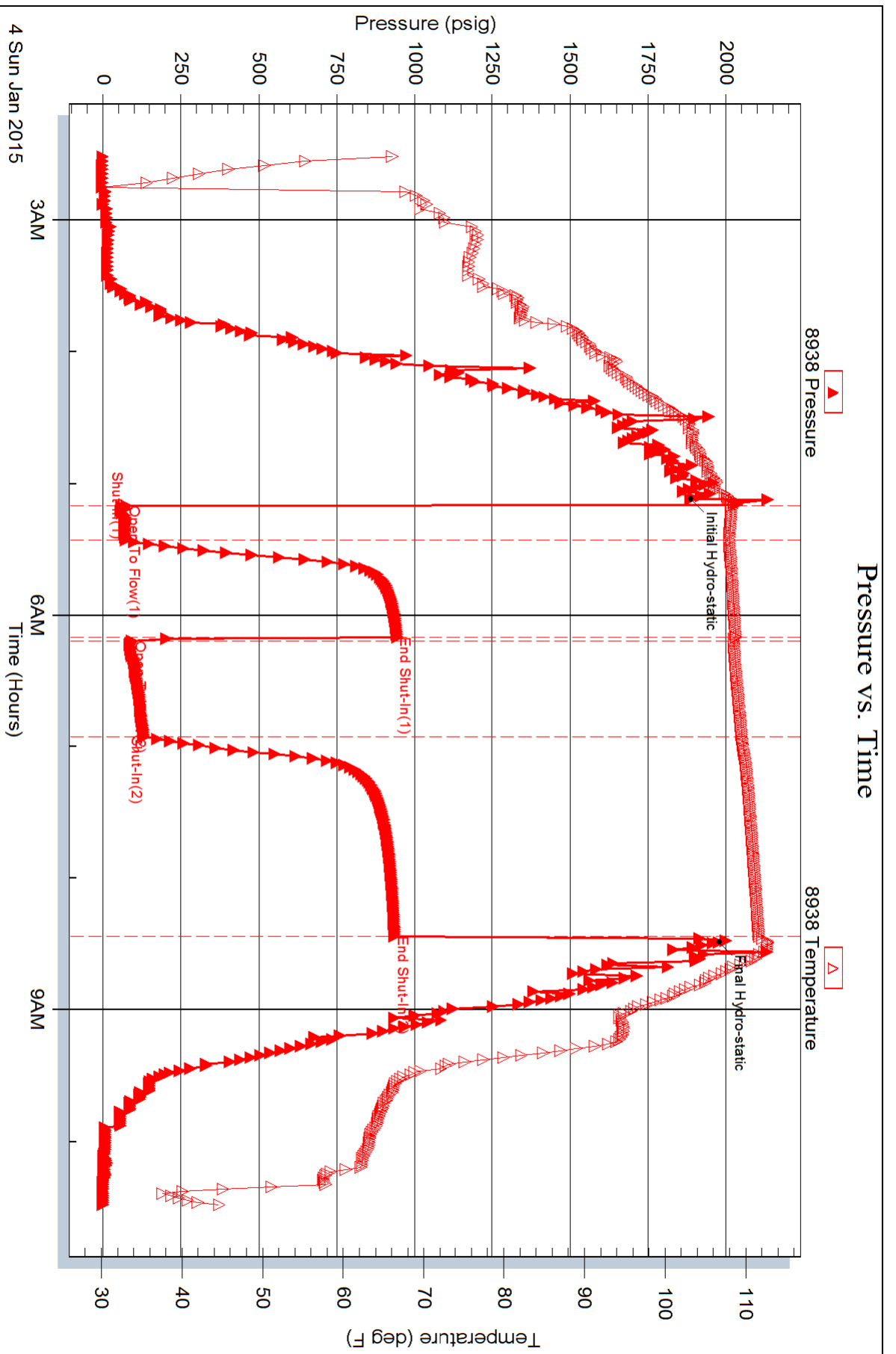
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	35	0.13	1.00	5.76
2	45	0.13	3.00	6.51

Pressure vs. Time







TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Shelby Resources L.L.C.
 445 Union Blvd Suite 208
 Lakewood, Colorado 80228
 ATTN: Jeremy Schwartz

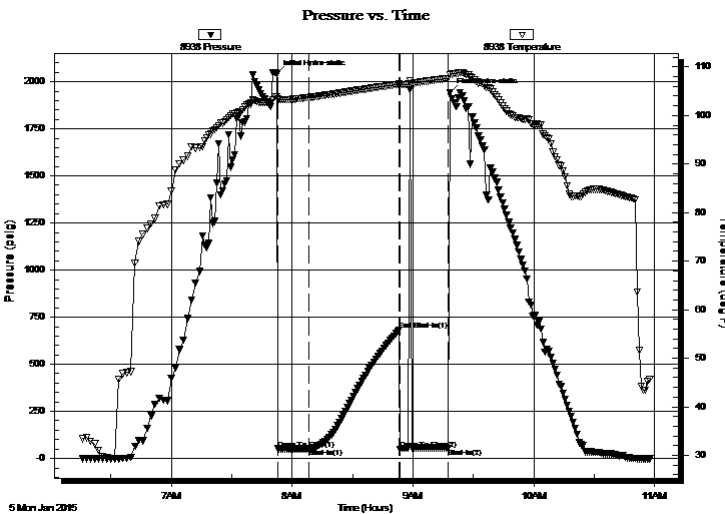
36-21s-16w Pawnee
WFY #1-36
 Job Ticket: 62068 **DST#: 2**
 Test Start: 2015.01.05 @ 06:16:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:53:00
 Time Test Ended: 10:57:30
 Interval: **3861.00 ft (KB) To 3924.00 ft (KB) (TVD)**
 Total Depth: 3924.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 60
 Reference Elevations: 1984.00 ft (KB)
 1972.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8938 **Inside**
 Press@RunDepth: 52.82 psig @ 3919.28 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.05 End Date: 2015.01.05 Last Calib.: 2015.01.05
 Start Time: 06:16:00 End Time: 10:57:30 Time On Btm: 2015.01.05 @ 07:52:30
 Time Off Btm: 2015.01.05 @ 09:18:30

TEST COMMENT: 1st Opening 15 Minutes Weak surface blow through out
 1st Shut-In 45 Minutes
 2nd Opening 26 Minutes -Few bubbles dead flushed tool after 5 minutes weak blow for 3 minutes and died
 pulled tool no final shut-in taken



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.75	103.90	Initial Hydro-static
1	50.75	103.36	Open To Flow (1)
16	52.82	103.72	Shut-In(1)
61	680.75	106.46	End Shut-In(1)
61	49.66	106.09	Open To Flow (2)
85	55.02	107.65	Shut-In(2)
86	1941.03	108.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud	0.05

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Shelby Resources L.L.C.
445 Union Blvd Suite 208
Lakewood, Colorado 80228
ATTN: Jeremy Schwartz

36-21s-16w Pawnee
WFY #1-36
Job Ticket: 62068 **DST#: 2**
Test Start: 2015.01.05 @ 06:16:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5700.00 ppm			
Filter Cake: 1.00 inches			

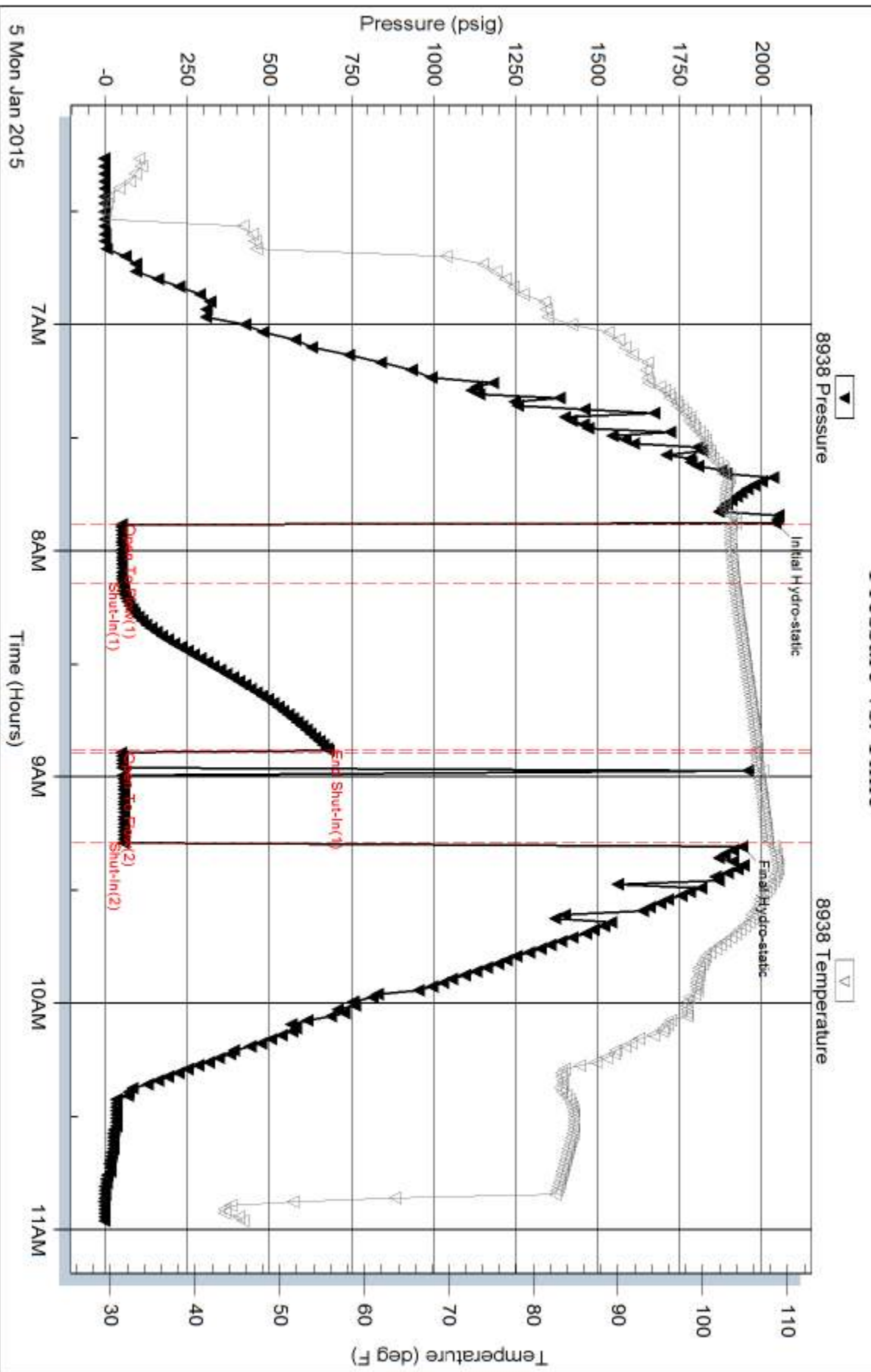
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time



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. 1110

Date	1-1-15	Sec.	36	Twp.	21	Range	16	County	Pawnee	State	Ks	On Location		Finish	6:00 AM
------	--------	------	----	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Location Pawnee Rock, Ks - 4W to 80th Ave

Lease	WFY		Well No.	1-36	Owner	2 1/2 S E Into
Contractor	Sterling 5		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	1" Surface Casing		Charge To <u>Shelby Resources</u>			
Hole Size	12 1/4"	T.D.	987'	Street		
Csg.	8 3/8"	Depth	989'	City		
Tbg. Size		Depth		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 <u>150 60/40 3*2</u>		

Meas Line Displace

EQUIPMENT				Common	100 60
Pumptrk	17	No.	Cementer Helper <u>Billy</u>	Poz. Mix	40
Bulktrk	15	No.	Driver <u>Doug</u>	Gel.	3 2
Bulktrk	p.u.	No.	Driver <u>Rick</u>	Calcium	3

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole <u>Cement fell down 15'</u>	Salt
Mouse Hole <u>with a wide wash</u>	Flowseal
Centralizers <u>out at top of hole</u>	Kol-Seal
Baskets <u>Ran 107 of 1" pipe</u>	Mud CLR 48
D/V or Port Collar <u>down backside - fill up hole with 100 5x Cement Cement did Circulate</u>	CFL-117 or CD110 CAF 38
	Sand
	Handling <u>150</u>
	Mileage

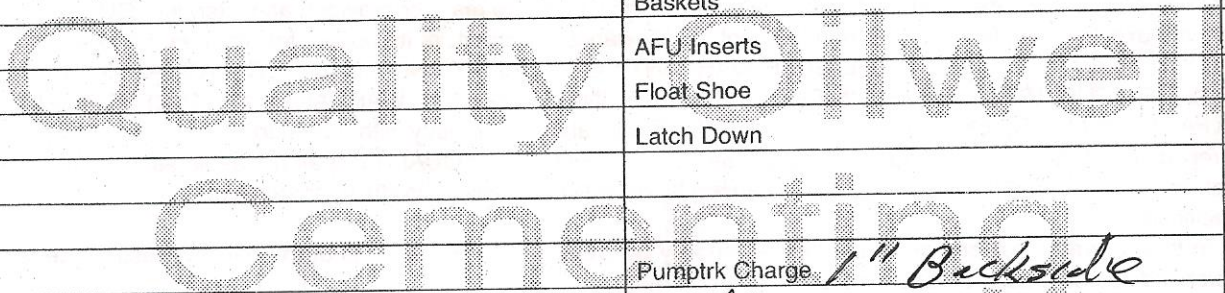
FLOAT EQUIPMENT

<u>wash up & rigged down</u>	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

	Pumptrk Charge <u>1" Backside</u>
	Mileage <u>29</u>

	Tax
	Discount
	Total Charge

X Signature As Neves



Customer <i>Shelby Resource LLC</i>	Lease No.	Date <i>1-6-15</i>	
Lease <i>W F V</i>	Well # <i>1-36</i>		
Field Order # <i>012151</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>	Depth <i>4016</i>
		County <i>Pawnee</i>	State <i>KS</i>
Type Job <i>CMW 5 1/2 Long String</i>	Formation	Legal Description <i>36-21-16</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>5 1/2</i>							
Depth <i>4016</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>95</i>	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <i>3495</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative <i>Chris</i>	Station Manager <i>Kevin</i>	Treater <i>Joe</i>
--------------------------------------	------------------------------	--------------------

Service Units <i>27463</i>	<i>19960</i>	<i>19860</i>	<i>92911</i>				
Driver Names <i>Shawn</i>	<i>Dale</i>		<i>Joe</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1600</i>					<i>ONLOC / safety meeting</i>
					<i>Run 96 JTS on 5 1/2 csg @ 15.5#</i>
					<i>Len. on 1-3-5-6-8</i>
					<i>Bucket on Pin of JT 1</i>
<i>1800</i>					<i>Start Running csg</i>
<i>2130</i>					<i>csg on bottom / circ with Big</i>
<i>2200</i>					<i>Hook up to Pump to start job</i>
	<i>100</i>		<i>5</i>	<i>6.5</i>	<i>H2O spacer</i>
			<i>6</i>	<i>6.5</i>	<i>mix 50 SK scavenger @ 14#</i>
	<i>400</i>		<i>36</i>	<i>6.5</i>	<i>mix 150 SK AA2 cement @ 15.3#</i>
			<i>0</i>	<i>0</i>	<i>shut down clear Pump & Lines</i>
<i>1000</i>	<i>100</i>		<i>0</i>	<i>5.5</i>	<i>Release Plug start H2O DISP</i>
	<i>300</i>		<i>59</i>	<i>5.5</i>	<i>List PSI</i>
	<i>400</i>		<i>80</i>	<i>3</i>	<i>slow Rate</i>
<i>2245</i>	<i>1500</i>		<i>95</i>	<i>0</i>	<i>Plug Down</i>
<i>2300</i>					<i>Plug BH + MH</i>
					<i>JOB complete</i>
					<i>Thank you</i>
					<i>Joe</i>



Scale 1:240 Imperial

Well Name: WFY #1-36
 Surface Location: 987' FNL, 1027' FWL Sec. 36-21S-16W
 Bottom Location:
 API: 15-145-21794-00-00
 License Number:
 Spud Date: 12/30/2014 Time: 10:30 PM
 Region: Pawnee County
 Drilling Completed: 12/6/2014 Time: 12:15 AM
 Surface Coordinates:
 Bottom Hole Coordinates:
 Ground Elevation: 1971.00ft
 K.B. Elevation: 1984.00ft
 Logged Interval: 3200.00ft To: 4040.00ft
 Total Depth: 4040.00ft
 Formation: Penn/Simp Sand
 Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC
 Address: 445 Union Blvd, Suite 208
 Lakewood, CO 80228
 Contact Geologist: Janine Sturdavant
 Contact Phone Nbr: 303-907-2209 / 720-274-4682
 Well Name: WFY #1-36
 Location: 987' FNL, 1027' FWL Sec. 36-21S-16W API: 15-145-21794-00-00
 Pool: Field: Sweeney Southwest
 State: Kansas Country: USA

LOGGED BY



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

NOTES

The Shelby Resources, LLC WFY #1-36 was drilled to a total depth of 4040', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

2 DST's were conducted. The reports can be found at the bottom of this log.

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

NOTE: The ELog tops are 2' higher to the drill time so all tops and DST's need to be adjusted accordingly

Respectfully Submitted,
Jeremy Schwartz
Geologist

CONTRACTOR

Contractor: Sterling Drilling Co
 Rig #: 5

Rig Type: mud rotary
 Spud Date: 12/30/2014
 TD Date: 12/6/2014
 Rig Release:

Time: 10:30 PM
 Time: 12:15 AM
 Time:

ELEVATIONS

K.B. Elevation: 1984.00ft Ground Elevation: 1971.00ft
 K.B. to Ground: 13.00ft

DATE	DEPTH	ACTIVITY
Saturday, January 03, 2015	3275'	Geologist Jeremy Schwartz on location @ 0330hrs, ~3275', DRLG ahead through Heebner,
	3550'	Toronto, Douglas, Brown Lime, Lansing, CFS @ 3550', Resume DRLG through Lansing,
	3760'	Marmaton, CFS @ 3760', Drop Survey, Conduct Bit Trip, Swap PDC out for Button Bit,
	3803'	Resume DRLG through Marmaton, Conglomerate, CFS @ 3803', Conduct DST #1 in the
		Cong. Sand,
Sunday, January 04, 2015	3803'	Successful Test, Resume DRLG through Conglomerate, CFS @ 3859', Resume DRLG,
	3891'	CFS @ 3891', Resume DRLG, CFS @ 3902', Resume DRLG, CFS @ 3908'
Monday, January 05, 2015	3924'	Resume DRLG, CFS @ 3924', Conduct DST #2, Successful Test, Resume DRLG, CFS @ 3932'
	3932'	Resume DRLG, CFS @ 3940', Resume DRLG, CFS @ 3947', Resume DRLG ahead to TD,
Tuesday, January 06, 2015	4040'	TD of 4040' reached @ 0015hrs, CTCH 1 hour, OOH, Conduct Logging Operations,
		Logging Operations complete @ 0815hrs, Geologist Jeremy Schwartz off location @ 0900hrs

CLIENT:	SHELBY RESOURCES, LLC
WELL NAME:	WFY #1-36
LEGAL:	987/FNL & 1027/FWL 36-21S-16W
COUNTY:	PAWNEE COUNTY, KS
API :	15-145-21794-00-00
DRLG CONTRACTOR:	STERLING DRILLING CO.
RIG #:	5
DOGHOUSE #:	620-388-5433
TOOLPUSHER:	ALAN LOFTIS
CELL #:	620-388-2736

FORMATION	WFY #1-36												CAPTIVA II												CAPTIVA II												D&A											
	NE-SE-NW-NW												LEE #1-25												FENWICK #1-35												LEBEN OIL CORP.											
	1984												1983												1988												1977											
	LOG TOPS				SAMPLE TOPS				COMP. CARD				LOG				SMPL.				COMP. CARD				LOG				SMPL.				COMP. CARD				LOG				SMPL.							
DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.																	
ANHYDRITE TOP	996	988	966	1018	962	1021	-	33	-	3	974	1014	-	26	+	4	960	1017	-	29	+	1																										
BASE	994	990	996	988	988	995	-	5	-	7	1000	988	+	2	+	0	980	997	-	7	-	9																										
TOPEKA	3123	-1139			3110	-1127	-	12	-		3132	-1144	+	5			3110	-1133	-	6																												
HEEBNER SHALE	3387	-1403	3388	-1404	3371	-1388	-	15	-	16	3395	-1407	+	4	+	3	3376	-1399	-	4	-	5																										
TORONTO	3409	-1425	3407	-1423	3388	-1405	-	20	-	18	3418	-1430	+	5	+	7	3396	-1419	-	6	-	4																										
DOUGLAS SHALE	3423	-1439	3425	-1441	3406	-1423	-	16	-	18	3430	-1442	+	3	+	1	3412	-1435	-	4	-	6																										
BROWN LIME	3491	-1507	3492	-1508	3474	-1491	-	16	-	17	3496	-1508	+	1	+	0	3478	-1501	-	6	-	7																										
LKC	3498	-1514	3500	-1516	3486	-1503	-	11	-	13	3504	-1516	+	2	+	0	3486	-1509	-	5	-	7																										
STARK SHALE	3688	-1704	3690	-1706	3672	-1689	-	15	-	17	3696	-1708	+	4	+	2	3680	-1703	-	1	-	3																										
BKC	3721	-1737	3717	-1733	3702	-1719	-	18	-	14	3726	-1738	+	1	+	5	3707	-1730	-	7	-	3																										
MARMATON	3754	-1770	3757	-1773	3740	-1757	-	13	-	16	3762	-1774	+	4	+	1	3746	-1769	-	1	-	4																										
CONG. SAND/CHRT	3794	-1810	3796	-1812	3774	-1791	-	19	-	21	3798	-1810	+	0	-	2	3780	-1803	-	7	-	9																										
VIOLA	3809	-1825															3798	-1821	-	4																												
SIMPSON SHALE	3858	-1874	3866	-1882	3844	-1861	-	13	-	21	3856	-1868	-	6	-	14	3854	-1877	+	3	-	5																										
SIMPSON SAND	NP				3866	-1883					3888	-1900					3863	-1886																														
ARBUCKLE	3926	-1942	3931	-1947	3890	-1907	-	35	-	40	3928	-1940	-	2	-	7	3914	-1937	-	5	-	10																										
RTD			4040	-2056	3991	-2008				48							3948	-1971																														
LTD	4040	-2056			3991	-2008	-	48			4026	-2038	-	18			3943	-1966	-	90																												

PROGNOSIS		
ANHYDRITE TOP	964	1020
HEEBNER SHALE	3392	-1408
LANSING	3506	-1522
PENN. SAND	3784	-1800
SIMP. SAND	3865	-1881
ARBUCKLE	3919	-1936
TD	4000	-2016

TESTED	TESTED	TESTED
DST #2 (3695-3791) Cong Sand 10-45-45-90 Strong Blow BOB 2MIN BB 1/4IN Strong Blow BOB 45SEC BB 5IN 720' GIP, 300' OCM (9.5% M, 5% O), 1' CO SIP: 683-756#	***DST #1 Invalid Due to Plugged Tool*** DST #1 (3535-3563) LKC "B-D" 15-30-45-60 IF: Weak Surface Blow FF: No blow, flush tool, gained weak surface blow 5' M SIP: 1323-1310	DST #1 (3497-3548) LKC "B" 30-30-30-30 65' M w/few specks Oil SIP: 510-478
DST #4 (3838-3892) Simp Sand/ARB 10-45-20-60 Strong Blow BOB 15SEC/GTS 2MIN BB 1IN Strong Blow BOB Immediately BB 1IN 120' M SIP: 1326-1322	DST #2 (3774-3819) Conglomerate 10-45-45-90 Strong blow BOB 30sec BB BOB/GTS 5MIN Strong blow BOB 30SEC OTS 5MIN 277' CGO SIP: 1013-1019	DST #2 (3760-3816) Cong. Sand 30-30-30-30 900' GIP, 120' Watery GCM SIP: 583-579
DST #5 (3896-3904) Arbuckle 10-45-13-60 Strong Blow BOB 15SEC/GTS 2.5MIN Yes BB	DST #3 (3857-3897) Simp Sand 15-45-45-90 IF: Fair blow built to 1.5" FF: Fair blow built to 4" SIP: 1013-1019	DST #3 (3818-3860) Viola 30-30-30-30 30' M SIP: 85-42
		DST #4 (3858-3896) Simpson SS 30-30-30-30 130' M MISRUN (Packer Failure)

<p>Strong Blow BOB immediately/Oil to Surface 8MIN Yes BB 3659' CGO, 120' Gassy Muddy Emulsified Oil (O60%, W20%, M15%, G5% 120' GIP SIP: 1325 - 1325</p> <p>DST #6 (3905-3914) Arbuckle 15-45-45-60 Good Blow BOB 3MIN BB 8.5IN Good Blow BOB 5MIN BB BOB 15MIN 882' GCMW/Tr Oil 63' MWCGO (O55%, G20%, W20%, M5%) 5'CO, 567' GIP SIP: 1331-1330</p>	<p>30' OCM (80% M, 20% O) SIP: 718-559</p> <p>DST #4 (3924-3931) Arbuckle 15-45-45-90 IF: Weak blow built to 2" FF: No blow, flushed tool and gained good blow BOB BB built to 2" 2709' CO SIP: 1352-1332</p>
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ROCK TYPES

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

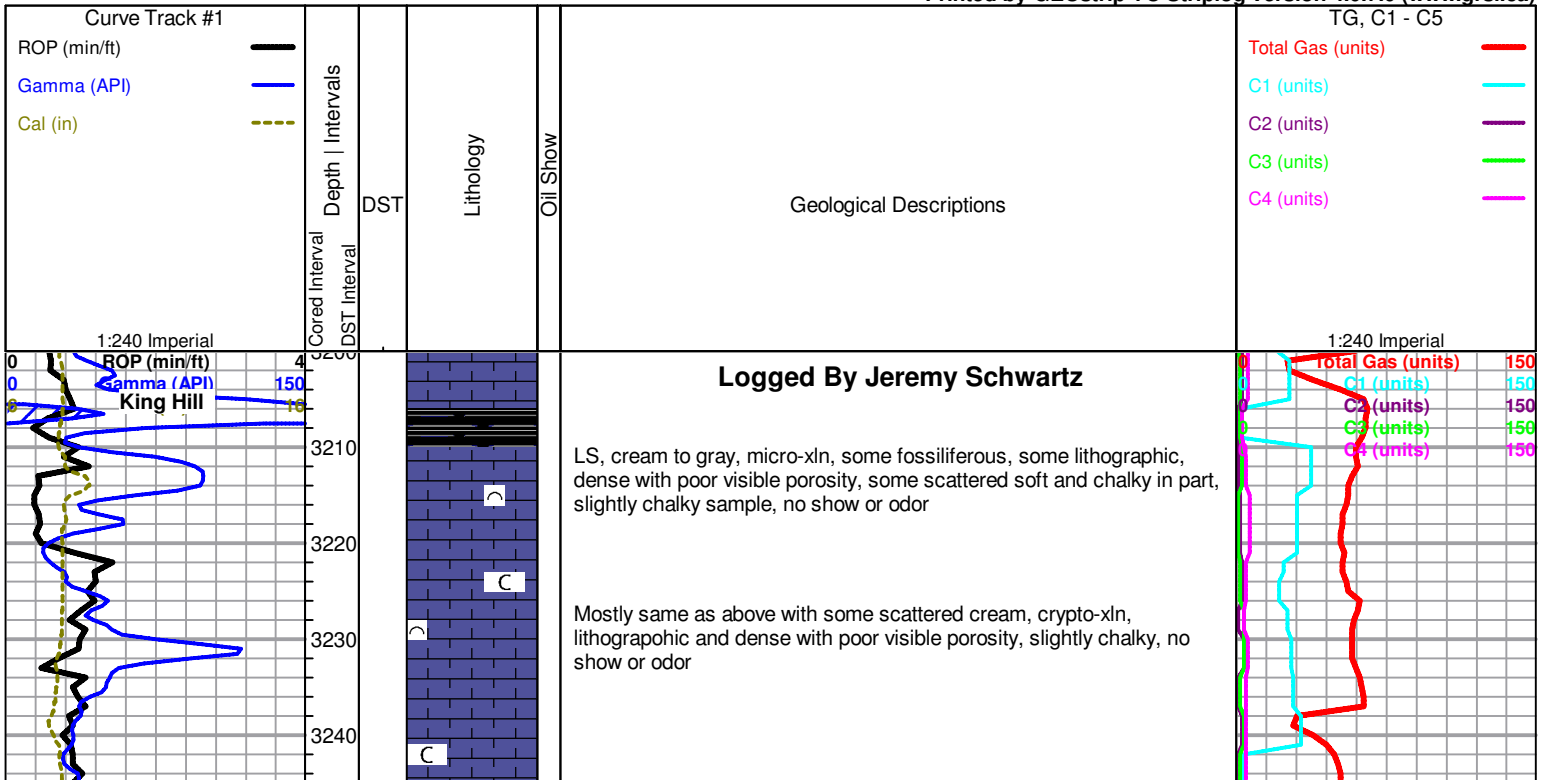
ACCESSORIES

MINERAL △ Chert White	FOSSIL ∩ Bioclastic or Fragmental F Fossils < 20%	STRINGER ~ Chert ■ Limestone ● Sandstone	TEXTURE C Chalky
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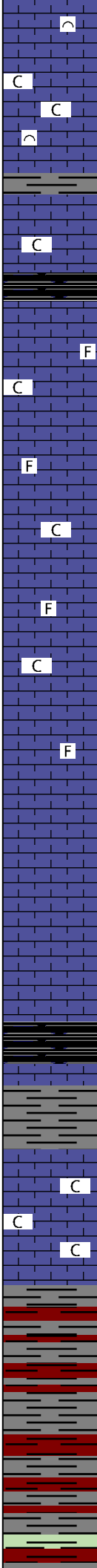
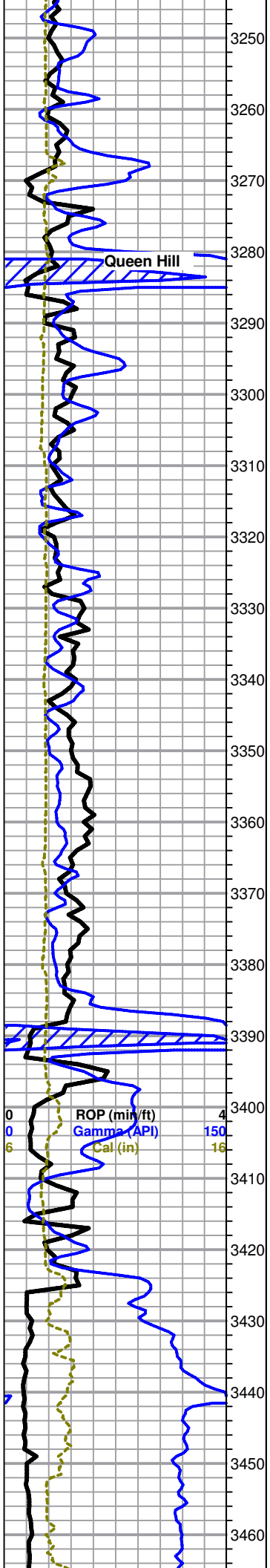
OTHER SYMBOLS

MISC	DST
Daily Report	DST Int
Digital Photo	DST alt
Document	
Folder	
Link	
Vertical Log File	
Horizontal Log File	
Core Log File	
Drill Cuttings Rpt	

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)



Logged By Jeremy Schwartz



LS, cream to light gray with some very scattered white, micro-crypto xln, some fossiliferous, some lithographic, dense with poor visible porosity, with some soft and chalky in part, fairly chalky sample, no show or odor

As above, no show or odor

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

As above, no show or odor

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

As above, no show or odor

LS, cream to light gray with some very scattered white, micro-crypto xln, mostly lithographic and dense with poor visible porosity, no show or odor

Heebner 3388 (-1404)

Shale, black carbonaceous

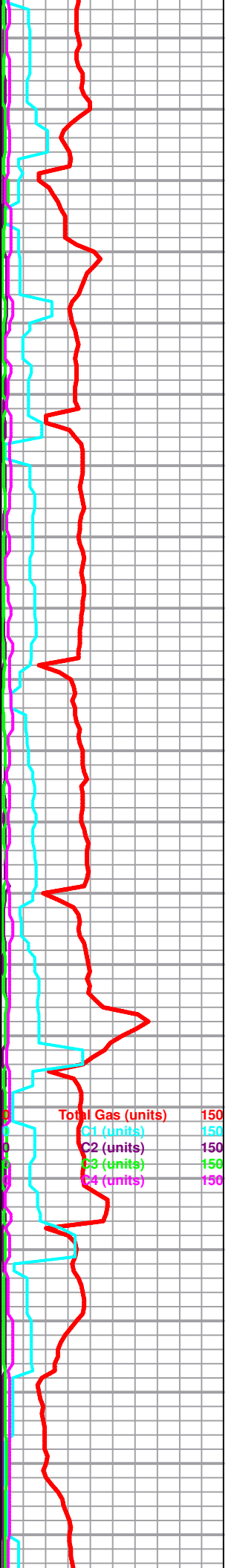
Toronto 3407 (-1423)

LS, cream to gray with some white, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some soft and chalky, fairly chalky sample, no show or odor

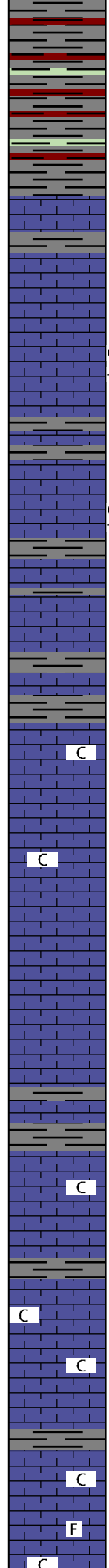
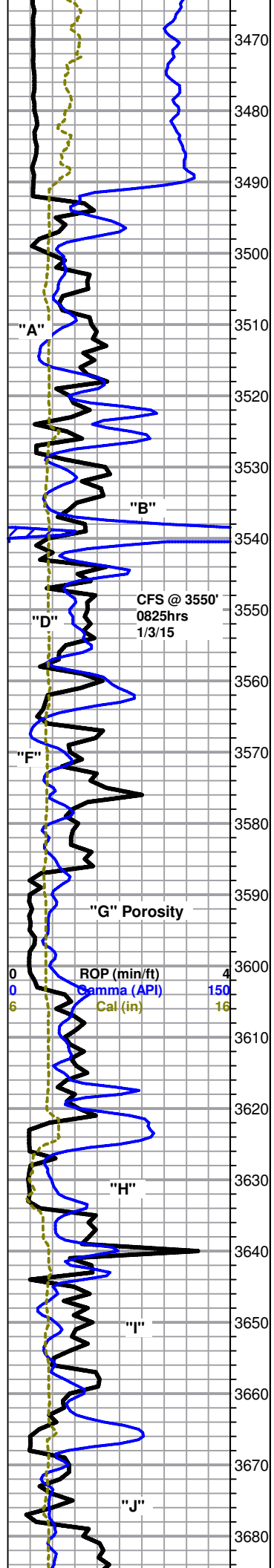
Douglas Shale 3425 (-1441)

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

Shale as above, mostly gray with trace green



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



Brown Lime 3492 (-1508)

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

LKC 3500 (-1516)

LS, cream to white, mostly crypto-xln, lithographic and dense with poor visible porosity, no show or odor

○
*
LS, cream with some scattered gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, found few small chips with some very scattered vf pinpoint porosity with several very small gas bubbles occasionally bleeding from porosity with trace very light brown stain around porosity only, dull yellow fluorescence, VSSFO (opaque droplets) upon break, poor fleeting odor

○
*
3550' 20" LS, gray to cream, micro-crypto xln, some slightly fossiliferous, some lithographic, dense with poor visible porosity, few small chips cream, crypto-xln, with very scattered, vf pinpoint porosity with several very small gas bubbles occasionally bleeding from porosity, upon break SSFO (brown droplets) and trace visible brown stain, dull yellow fluorescence, poor fleeting odor

3550' 45" LS, gray to cream, micro-crypto xln, some lithographic, some slightly fossiliferous, dense with poor visible porosity, no show or odor

○
*
LS, cream to light gray, crypto-xln, lithographic and dense with poor visible porosity, some scattered soft and chalky in part, no show or odor

○
*
LS, cream, micro-xln, mostly oomoldic and dense with poor visible oomold porosity, some chalk filled oomolds, some very scattered fair oomold porosity, slightly chalky sample, no show or odor

○
*
LS, cream oomoldic as above, with some scattered fair visible oomold porosity, also with some cream to gray, micro-xln, lithographic and dense with poor visible porosity, no show or odor

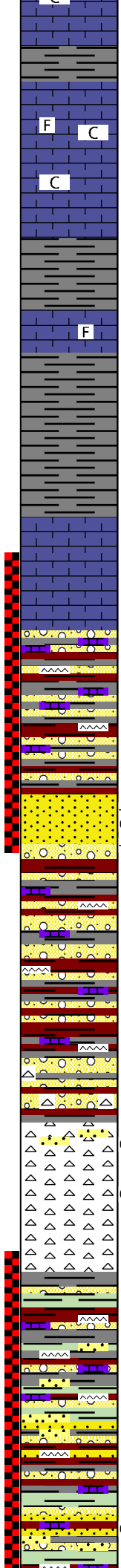
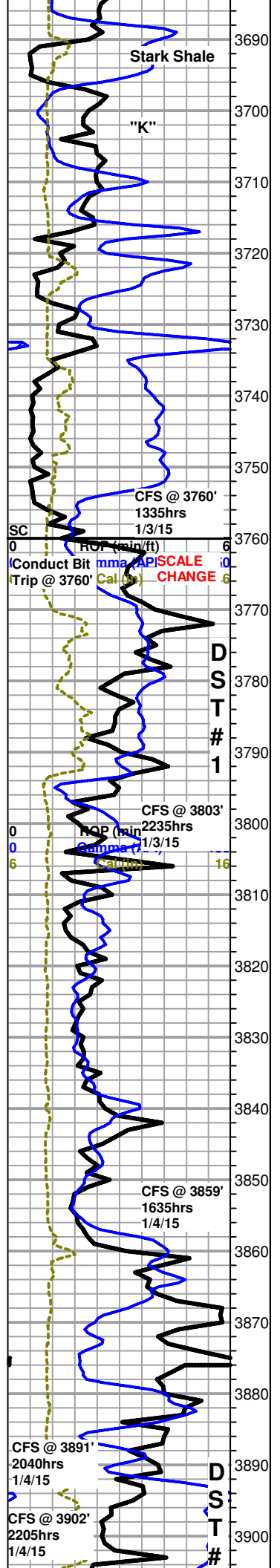
○
*
LS, cream to gray, some oomoldic, some scattered fair visible oomold porosity, with some lithographic and dense with poor visible porosity, slightly chalky, no show or odor

○
*
LS, cream to gray, micro-crypto xln, some sub-oolitic to sub-oomoldic with poor visible porosity, also with some lithographic and dense with poor visible porosity, some soft and chalky, fairly chalky sample, no show or odor

○
*
LS as above, with some very scattered slightly fossiliferous, some soft and chalky, fairly chalky sample, no show or odor

Mud-Co Mud chk
3545'
1/3/15
Vis: 56, Wt.: 9.2
PV: 20 YP: 18
WL: 8.0
Cake 2/32
pH: 10.0
Ca: 40ppm
CHL: 5,700ppm
Sol: 6.1 LCM: 1
DMC: \$2,226.15
CMC: \$8,858.20

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



LS, cream to gray with some scattered white, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some soft and chalky, some very scattered slightly fossiliferous, fairly chalky, no show or odor

LS as above, fairly chalky, no show or odor

BKC 3717 (-1733)

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

Shale, gray, some soft and waxy, some blocky and dense

Marmaton 3757 (-1773)

LS, cream to gray, micro-crypto xln, mostly lithographic and dense with poor visible porosity, some scattered with re-crystallized edges, no show or odor

LS as above, with influx of gray and red shale and trace red to tan and brown chert, slight red wash, no show or odor

Shelby WFY #1-36 dst 1.jpg

3803' 30" Mixed cream to gray LS, gray and red shale with trace green, and some scattered tan to brown chert with trace red, no show or odor

3803' 60" Conglomerate as above, with SS, clear to light brown, angular to sub-angular, poorly sorted, some well cemented, some fairly friable, some with scattered chert and shale inclusions, slight show gas bubbles, upon break some clusters have slight show free oil and fair show gas bubbles, few very scattered clusters sub-rounded and very friable with fair show free oil and gas bubbles upon break, with some very scattered loose sand grains in bottom of tray, poor odor

Mostly gray and red shale, with some mixed cream to gray LS, and very scattered tan to brown chert, no show or odor

As above, no show or odor

Conglomerate as above, with influx of white chert, fresh and sharp, mostly barren, few very scattered chips with slightly tripolitic edges and poor brown stain on edge only, one chips with few small vugs as well, NSFO, no odor

White chert as above, also found one SS cluster, brown, fine frained, sub-rounded to rounded, well sorted, friable, with slight show gas bubbles and trace free oil upon break, no odor

3859' 20" Chert, white, fresh and sharp, some scattered with slightly tripolitic edges and poor brown stain on edge only, no odor

Mostly white chert as above, with slight influx of shale, gray to green with some very scattered red, no show or odor

Simpson Shale 3866 (-1882)

Gray, green, and red shale, some very dense green, also with abundnat white chert as above, no show or odor

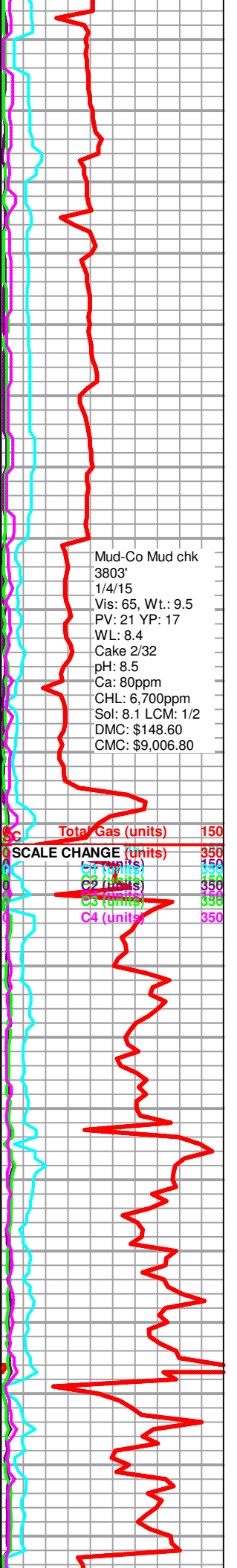
Mostly same as above, with trace SS, clear to light brown, sub-rounded to sub-angular, fairly well sorted, well cemented and dense, barren, no odor in cup

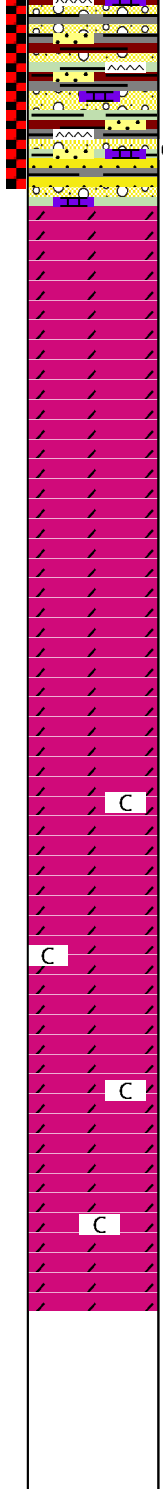
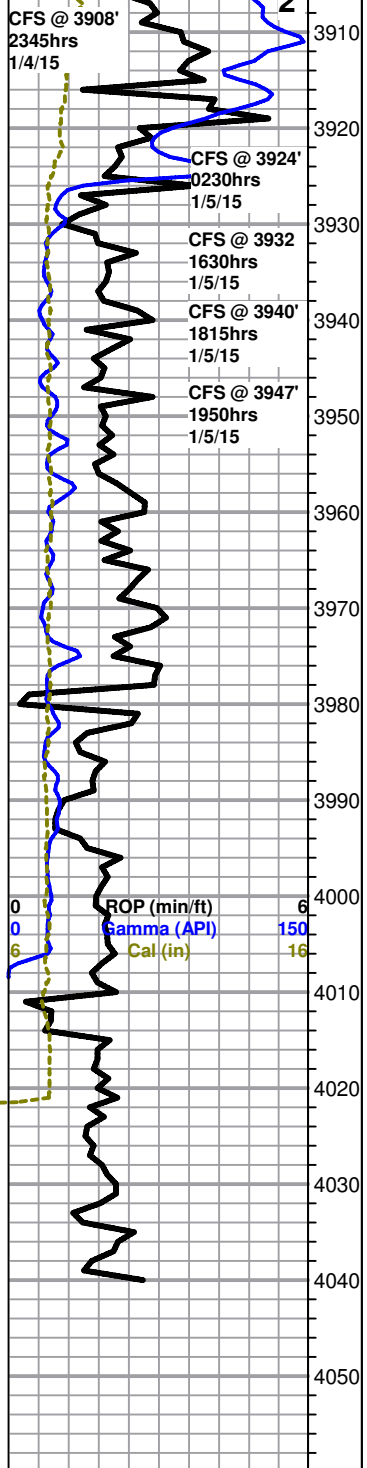
3891' 30" Gray, green, and red shale with white chert, also with yellow sandy LS, some dense, some soft, no show or odor

3902' 30" Mostly green, gray, and red shale with some mixed LS and chert, with trace SS, light brown, fine grained, sub-rounded to rounded, well sorted, fairly friable, upon break SSFO and increase in odor with very scattered visible brown stain, with some loose grains in bottom of tray, poor odor

3902' 60" Mostly same as above, with slight influx SS as above, few clusters fairly dense with shale inclusions, few fairly friable with SSFO and increase in odor upon break, poor odor

3908' 30" Conglomerate, with some very scattered SS clusters, clear, fine grained, fairly well cemented, most pyritic, barren, also with some gray to green clay, some globs with loose SS grains trapped, with some loose grains in bottom of tray, NSFO, poor odor





3908' 60" Conglomerate as above, with SS appearing to be dropping out as above, no show or odor

Shelby WFY #1-36 dst 2.jpg

3924' 30" Conglomerate, with gray to green clay and some white, globs have loose SS grains trapped and upon breaking up globs fair show free oil, with abundant sub-rounded to rounded loose SS grains in tray, found one cluster, light brown, fine grained, sub-rounded to rounded, well sorted and friable, fair show free oil upon break, fair show free oil in tray, fair fleeting odor in cup

3924' 60" Conglomerate, with some scattered SS clusters, f-vf grained, light brown, sub-rounded, fairly well cemented, some barren, upon break some clusters show some scattered stain, poor fleeting odor in cup

Arbuckle 3931 (-1947)

3940' 30" Conglomerate with dolomite, cream, micro-xln, sucrosic, some sandy, few chips with very slight sub-rhombic development on edge only, dense with poor visible porosity, no show or odor

3940' 60" Conglomerate and dolomite, cream to light gray, micro-xln, sucrosic and dense with poor visible porosity, no show or odor

3947' 30" Dolomite, cream, micro-xln, sucrosic and dense with poor visible porosity, some with scattered sub-rhombic development and some very scattered chips with several very small vugs, overall dense with poor visible porosity, barren, NSFO, no odor

3947' 60" Dolomite as above, no show or odor

Dolomite, cream, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, some with scattered poor to fair sub-rhombic development, barren, no odor

Dolomite as above, no show or odor

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

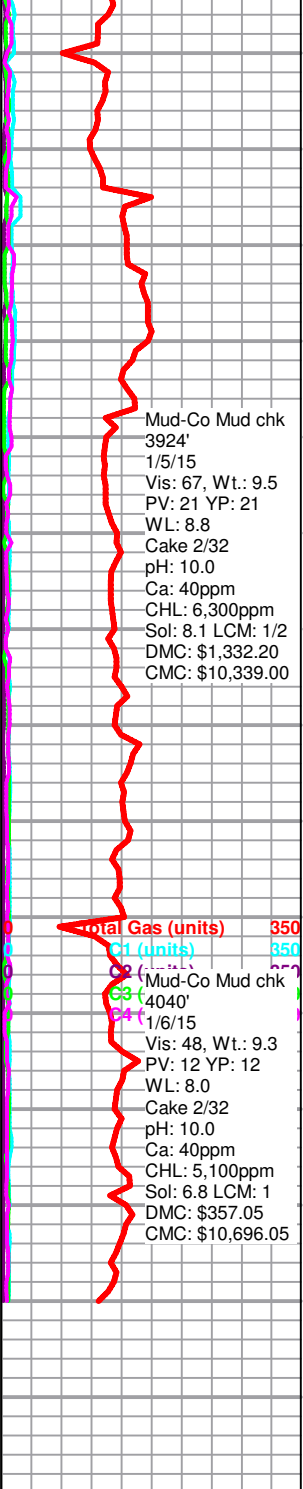
Dolomite, cream with some scattered white, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, no show or odor

Dolomite as above, slightly chalky, no show or odor

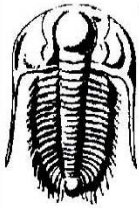
Dolomite, cream with some scattered white, micro-xln, sub-sucrosic to sucrosic and dense with poor visible porosity, with some very scattered sub-oomoldic, poor visible oomold porosity, no show or odor

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

Rotary TD 4040' @ 0015hrs 1/6/15
Nabors Well Services Logging TD @ 4040'
Complete Logging Operations @ 0815hrs 1/6/15
Geologist Jeremy Schwartz off location @ 0900hrs 1/6/15



DRILL STEM TEST REPORT



TRILOBITE TESTING, INC.

Shelby Resources L.L.C.
 445 Union Blvd Suite 208
 Lakewood, Colorado 80228
 ATTN: jeremy Schwartz

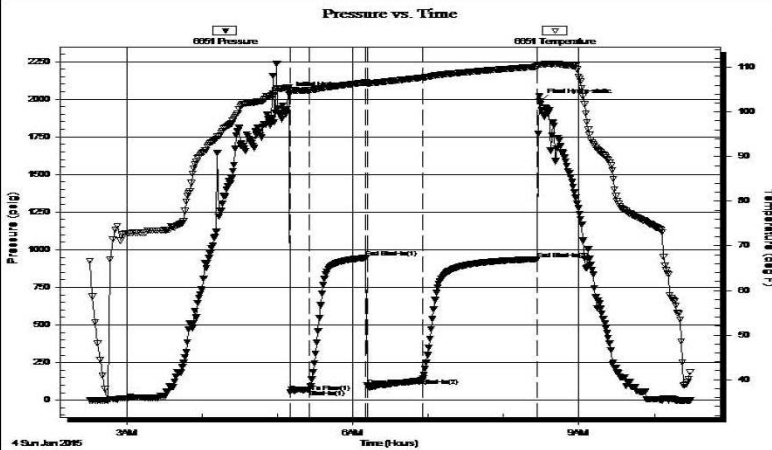
36-21s-16w Pawnee
WFY #1-36
 Job Ticket: 1 **DST#: 1**
 Test Start: 2015.01.04 @ 02:31:00

GENERAL INFORMATION:

Formation: **Conglomerate Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:10:30
 Time Test Ended: 10:29:00
 Interval: **3762.00 ft (KB) To 3803.00 ft (KB) (TVD)**
 Total Depth: 3803.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 60-42
 Reference Elevations: 1984.00 ft (KB)
 1972.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6651 Inside
 Press@RunDepth: 146.26 psig @ 3798.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.04 End Date: 2015.01.04 Last Calib.: 2015.01.04
 Start Time: 02:31:00 End Time: 10:29:00 Time On Btm: 2015.01.04 @ 05:09:30
 Time Off Btm: 2015.01.04 @ 08:29:00

TEST COMMENT: 1st Opening 15 Minutes Fair blow bob in 1 1/2 minutes
 1st Shut-In 45 Minutes-No blow back
 2nd Opening 45 Minutes-Good blow bob in 1 minute gas in 32
 2nd Shut-In 90 Minutes-weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2030.80	105.50	Initial Hydro-static
1	52.80	104.88	Open To Flow (1)
16	71.82	104.86	Shut-In(1)
61	945.86	106.61	End Shut-In(1)
62	95.86	106.37	Open To Flow (2)
107	146.26	107.71	Shut-In(2)
197	937.63	110.13	End Shut-In(2)
200	1986.72	110.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Clean Gassy Oil Gravity 42	2.13
0.00	15%Gas 85%Oil	0.00
75.00	Muddy gassy oil	1.05
0.00	15%Gas 60%oil 25%mud	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate	0.13	3.00	6.51

DRILL STEM TEST REPORT



TRILOBITE TESTING, INC.

Shelby Resources L.L.C.
 445 Union Blvd Suite 208
 Lakewood, Colorado 80228
 ATTN: Jeremy Schwartz

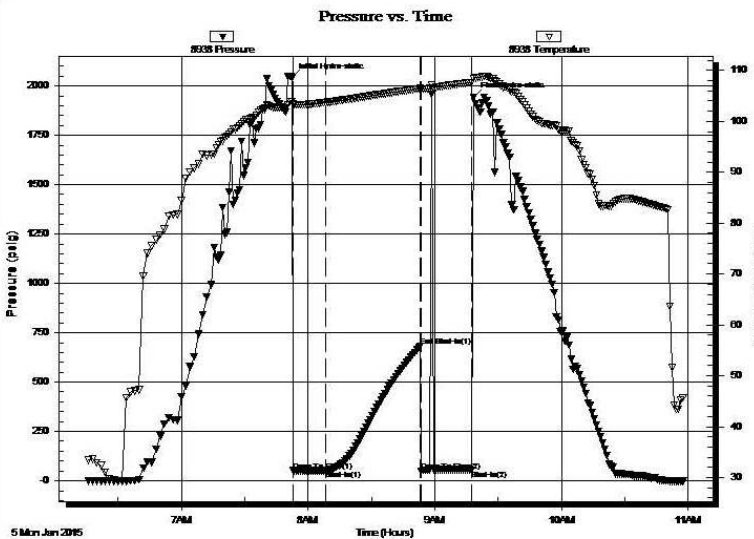
36-21s-16w Pawnee
WFY #1-36
 Job Ticket: 62068 **DST#: 2**
 Test Start: 2015.01.05 @ 06:16:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:53:00
 Time Test Ended: 10:57:30
 Interval: **3861.00 ft (KB) To 3924.00 ft (KB) (TVD)**
 Total Depth: 3924.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 60
 Reference Elevations: 1984.00 ft (KB)
 1972.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8938 **Inside**
 Press@RunDepth: 52.82 psig @ 3919.28 ft (KB) Capacity: 8000.00 psig
 Start Date: 2015.01.05 End Date: 2015.01.05 Last Calib.: 2015.01.05
 Start Time: 06:16:00 End Time: 10:57:30 Time On Btm: 2015.01.05 @ 07:52:30
 Time Off Btm: 2015.01.05 @ 09:18:30

TEST COMMENT: 1st Opening 15 Minutes Weak surface blow through out
 1st Shut-In 45 Minutes
 2nd Opening 26 Minutes -Few bubbles dead flushed tool after 5 minutes weak blow for 3 minutes and died
 pulled tool no final shut-in taken



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2040.75	103.90	Initial Hydro-static
1	50.75	103.36	Open To Flow (1)
16	52.82	103.72	Shut-In(1)
61	680.75	106.46	End Shut-In(1)
61	49.66	106.09	Open To Flow (2)
85	55.02	107.65	Shut-In(2)
86	1941.03	108.40	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
10.00	Drilling mud	0.05

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