KOLAR Document ID: 1277849

Confiden	tiality Re	equested:
Yes	No	

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

Form ACO-1 November 2016 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM

WELL	HISTORY	- DESCRIPTION	OF WELL	& I FASE
	III JIONI	- DESCRIF HOR		a LLASL

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
OG GSW	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
	w sx cm.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD Plug Back Liner Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Twp. S. R. East West
Recompletion Date Recompletion Date	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 Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II III Approved by: Date:

KOLAR Document ID: 1277849

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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 (Attach Additional Sheets)				Yes	No] L	og Form	ation (Top), De	epth an	d Datum	Sample
Samples Sent to Cores Taken Electric Log Run Geolgist Report List All E. Logs F) Geological) / Mud Logs	Survey		 Yes Yes Yes Yes 	No No		N	ame	3			Тор	Datum
				Report		G RECORI		Ne	w Used	duction, etc.			
Purpose of St	tring	Size Hole Drilled	e	Size	Casing n O.D.)	W	/eight s. / Ft.		Setting Depth	Type Ceme		# Sacks Used	Type and Percent Additives
					ADDITIONA	LCEMEN	TING / S	SQU	EEZE RECO	RD			
Purpose: Depth Top Bottom		m	Type of Cement		# Sad	# Sacks Used			Type and Percent Additives				
Protect Ca Plug Back Plug Off Z	тр												
 Did you perform Does the volum Was the hydrau 	e of the total	base fluid o	of the hydra	aulic fract	uring treatme			-	Yes Yes Yes Yes	No (If	No, skij	o questions 2 an o question 3) out Page Three	
Date of first Produ Injection:	iction/Injectio	n or Resum	ned Produc	tion/	Producing Me	thod:	ping		Gas Lift [Other (Explain)		
Estimated Produc Per 24 Hours		Oil	Bbls		Gas	Mcf		Wate	r	Bbls.	G	ias-Oil Ratio	Gravity
Vented	OSITION OF	Used on L	.ease	Op	en Hole	METHOD	Du	ually	Comp.	Commingled Submit ACO-4)		PRODUCTIC Top	DN INTERVAL: Bottom
Shots PerPerforationPerforationFootTopBottom		В	ridge Plug Type	Bridge I Set A		Acid, Fracture, Shot, Cementing Squeeze Record (Amount and Kind of Material Used)							

Packer At:

TUBING RECORD:

Size:

Set At:

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	L-S Unit 1-15
Doc ID	1277849

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	L-S Unit 1-15
Doc ID	1277849

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	896	60/40 Poz	2% gel / 3% cc



DRILL STEM TEST REPORT

Prepared For: SHELBY RESOURCES L.L.C.

621 17 th STREET SUITE 1155 DENVER, COLORADO 80293

ATTN: JEREMY SCHWARTZ

L S UNIT 1-15

15-18S-14W BARTON

 Start Date:
 2015.12.04 @ 09:52:00

 End Date:
 2015.12.04 @ 19:29:00

 Job Ticket #:
 01200
 DST #:
 1

Eagle Testers 1309 Patton Road Great Bend, Kansas 67530 620-791-7394 SHELBY RESOURCES L.L.C.

	DRILL STEM TES		ORT						
	SHELBY RESOURCES L.L.C.			15-18S-14W BARTON					
Testers	621 17 th STREET SUITE 1155		LS	UNIT 1	-15				
Carrook Roud Roman	DENVER, COLORADO 80293			Ticket: 0		DST#:1			
Sherre Dentes Wanters	ATTN: JEREMY SCHWARTZ		Test	t Start: 20	015.12.04 @	09:52:00			
GENERAL INFORMATION:									
Formation:KANSAS CITY ;BDeviated:NoWhipstock:Time Tool Opened:11:39:00Time Test Ended:19:29:00	ft (KB)		Test Test Unit	er:	Conventiona GENE BUDK 1	al Bottom Hole (Ir G	nitial)		
Interval:3203.00 ft (KB) To32Total Depth:3219.00 ft (KB) (The constraint of the constraint of t			Refe		evations: to GR/CF:	1934.00 ft (1923.00 ft (11.00 ft			
Serial #: 9119InsidePress@RunDepth:897.13 psiaStart Date:2015.12.03Start Time:11:52:00TEST COMMENT:1st OPENING 1	End Date: End Time: 5 MINUTES GOOD BLOW BUILT TO	2015.12.03 19:30:00 D BOTTOM OF	Capacity: Last Calit Time On I Time Off - A 5 GALLC	o.: Btm: Btm:	2015.12.03 2015.12.03	5000.00 ps 2015.12.04 @ 13:39:00 @ 17:12:30	ia		
2nd OPENING 6 2nd SHUT-IN 9	45 MINUTE-NO BLOW BACK 10 MINUITES GOOD BLOW BUILT TO 10 MINUTES-GAS TO SRFACE ON		IUT-IN		_	-			
Pressure vs. 7 9119 Ressure	5119 Tempesture	Time	PF Pressure	RESSUF Temp	RE SUMM				
500 Image: state in the state	50 50 50 50 50 50 50 50 50 50 50 50 50 5	(Min.) 0 1 8 61 62 121 212 212 214	(psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13 1542.57	(deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	ro-static Flow (1) In(1) Flow (2) In(2)			
20 20 20 20 20 20 20 20 20 20									
Recovery			ļļ	Ga	I Is Rates				
Length (ft) Description Volume (bbl)			Choke (inches) Pressure (psia) Gas Rate (Mct/d)						
60.00 SLIGHTLY OIL CUT MUD	DY WATER 2950.70			<u> </u>	I				
0.00 5 GAS 5 OIL 10 MUD 80	WATER 0.00								
60.00 OIL AND GAS CUT MUD									
0.00 15 GAS 40 OIL 15 MUD 3									
120.00 SLIGHTLY MUD CUT GA									
0.00 10 GAS 75 OIL 15 MUD	0.00								

	DRILL STEM TES		ORT				
	SHELBY RESOURCES L.L.C.			18S-14V	V BARTO	N	
- Testers	621 17 th STREET SUITE 1155						
Conce Bond Conce	DENVER, COLORADO 80293		L S UNIT 1-15 Job Ticket: 01200 DST#				#:1
Sherry Series Mangal	ATTN: JEREMY SCHWARTZ		Test	Start: 20)15.12.04 @	09:52:00)
GENERAL INFORMATION:							
Formation:KANSAS CITY ;BDeviated:NoWhipstock:Time Tool Opened:11:39:00Time Test Ended:19:29:00	ft (KB)		Test Test Unit	er:	Convention GENE BUDK 1		Hole (Initial)
Interval:3203.00 ft (KB) To32Total Depth:3219.00 ft (KB) (The second secon			Refe		evations: to GR/CF:	1923.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 9139OutsidePress@RunDepth:894.97 psiaStart Date:2015.12.03Start Time:11:52:00TEST COMMENT:1st OPENING 1	End Date: End Time:	2015.12.03 19:29:00	Capacity: Last Calib Time On E Time Off I	o.: Btm: : Btm: :	2015.12.03 2015.12.03 T IN 2 1/2 M	2015.12.0 @ 13:39:0 @ 17:12:0	00
1st SHUT-N 2nd OPENING 2nd SHUT-IN 9	45 MINUTE-NO BLOW BACK 50 MINUITES GOOD BLOW BUILT TO 0 MINUTES-GAS TO SRFACE ON	O BOTTOM O	FA 5 GALLO IUT-IN	ON BUCKE	et in 2 minu	ЛES	
Pressure vs. 7 909 Ressure	9139 Temperature 105	Time	PR Pressure	Temp	RE SUMN		
150 150 150 150 150 150 150 150		(Min.) 0 1 16 61 62 121 212 213	(psia) 1580.94 48.45 77.88 910.38 95.01 153.35 894.97 1548.02	(deg F) 97.13 96.65 96.63 98.58	Initial Hydr Open To F Shut-In(1) End Shut- Open To F Shut-In(2) End Shut-	ro-static Flow (1) In(1) Flow (2) In(2)	
Recovery			Gas Rates				
Length (ft) Description	Volume (bbl)			Choke (i	inches) Press	ure (psia)	Gas Rate (Mcf/d)
60.00 SLIGHTLY OIL CUT MUD							
0.00 5 GAS 5 OIL 10 MUD 80							
60.00 OIL AND GAS CUT MUD 0.00 15 GAS 40 OIL 15 MUD							
120.00 SLIGHTLY MUD CUT GA							
0.00 10 GAS 75 OIL 15 MUD	0.00						
Eagle Testers	Ref. No: 01200			Daire to al	2015.12.04		

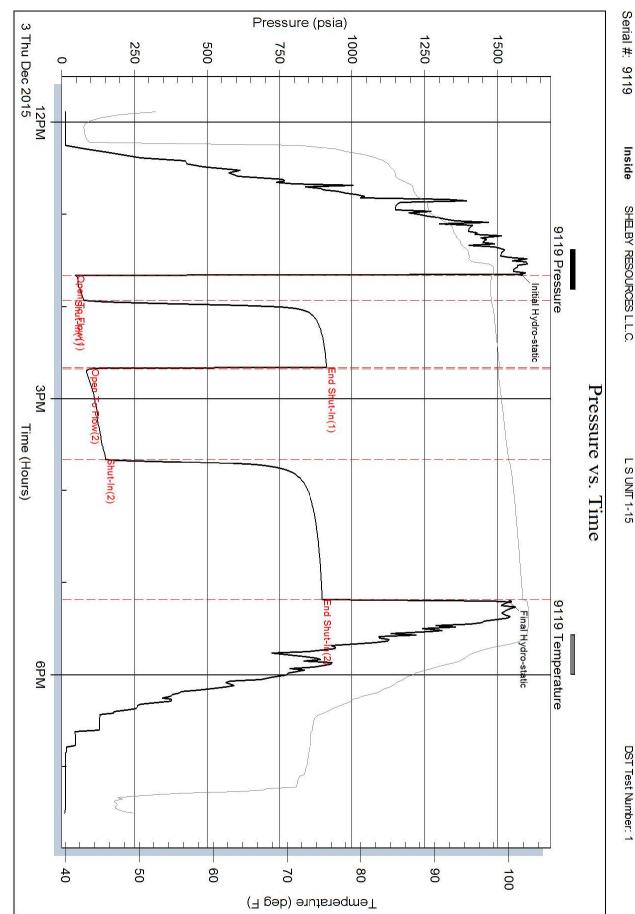
			DRI	LL STE	M TEST	REPO	RT	TOOL DIAGRA
			SHELB	Y RESOURCE	SL.L.C.		15-18S-14W BARTO	N
			621 17	th STREET SI	JITE 1155		L S UNIT 1-15	
amast	Sound for	amena	DENVE	R,COLORADO	D 80293		Job Ticket: 01200	DST#:1
green O			ATTN:	JEREMY SCI	HWARTZ		Test Start: 2015.12.04 @	09:52:00
Tool Informatio	วท		Į					
Drill Pipe:	Length:	2967.00 ft	Diameter:	3.80 in	ches Volume:	41.62 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.76 in	ches Volume:	0.00 bbl	Weight set on Packer	20000.00 lb
Drill Collar:	Length:	210.00 ft	Diameter:	225.00 in	ches Volume:	10327.46 bbl		
Drill Pipe Above ł	KB.	3.00 ft			Total Volume:	10369.08 bbl		0.00 ft
Depth to Top Pac		3203.00 ft					String Weight: Initial	58000.00 lb
Depth to Bottom I		5205.00 ft					Final	lb
Interval betw een		16.00 ft						
Tool Length:		45.00 ft						
Number of Packe	ers:	2	Diameter:	6.75 in	ches			
Tool Comments:								
	on							
Tool Description	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
		Le	ngth (ft) 5.00	Serial No.	Position	Depth (ft) 3179.00	Accum. Lengths	
Shut In Tool		Le	• • •	Serial No.	Position	• • •	Accum. Lengths	
Shut In Tool		Le	5.00	Serial No.	Position	3179.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars		Le	5.00 5.00	Serial No.	Position Fluid	3179.00 3184.00	Accum. Lengths	
Shut In Tool Hydraulic tool		Le	5.00 5.00 7.00	Serial No.		3179.00 3184.00 3191.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars Safety Joint		Le	5.00 5.00 7.00 2.00	Serial No.		3179.00 3184.00 3191.00 3193.00	Accum. Lengths	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer		Le	5.00 5.00 7.00 2.00 5.00	Serial No.		3179.00 3184.00 3191.00 3193.00 3198.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer		Le	5.00 5.00 7.00 2.00 5.00 5.00	Serial No. 9119		3179.00 3184.00 3191.00 3193.00 3198.00 3203.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor			5.00 5.00 7.00 2.00 5.00 5.00 11.00		Fluid	3179.00 3184.00 3191.00 3193.00 3198.00 3203.00 3214.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor Recorder		Le	5.00 5.00 7.00 2.00 5.00 5.00 11.00 0.00	9119	Fluid	3179.00 3184.00 3191.00 3193.00 3198.00 3203.00 3214.00 3214.00		Bottom Of Top Packer

	DR	ILL STEM TEST REPOR	RT	FLU	JID SUMMAR
	SHEL	BY RESOURCES L.L.C.	15-18S-1	4W BARTON	
		7 th STREET SUITE 1155	L S UNIT	1-15	
Amat Bond R	DENV	ER,COLORADO 80293	Job Ticket:	01200	ST#:1
	ATTN	: JEREMY SCHWARTZ	Test Start:	2015.12.04 @ 09:52	:00
Mud and Cushion Inf	ormation				
Mud Type: Gel Chem		Cushion Type:		Oil API:	deg API
	lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity: 58.00	sec/qt	Cushion Volume:	bbl		
Water Loss: 8.40	in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psia		
Salinity: 3600.00	ppm				
Filter Cake: 1.00	inches				
	Length	Description	Volume		
	ft	Description	bbl		
	60.00	SLIGHTLY OIL CUT MUDDY WATER	2950.70	02	
	0.00	5 GAS 5 OIL 10 MUD 80 WATER	0.00		
	60.00	OIL AND GAS CUT MUDDY WATER	2950.70		
	0.00	15 GAS 40 OIL 15 MUD 30 WATER	0.00		
	120.00	SLIGHTLY MUD CUT GASSY OIL	4426.47		
	0.00	10 GAS 75 OIL 15 MUD	0.00		
	90.00	MUDDY FROTHY OIL	1.26	52	
		CHLORIDES 32000			
	Ū	0.00 ft Total Volume: 10329.140 b			
	um Fluid Samples: 0	Num Gas Bombs: 0	Serial	#:	
La	aboratory Name: ecovery Comments:	Laboratory Location:			



Ref. No: 01200

Eagle Testers



Inside

SHELBY RESOURCES L.L.C.

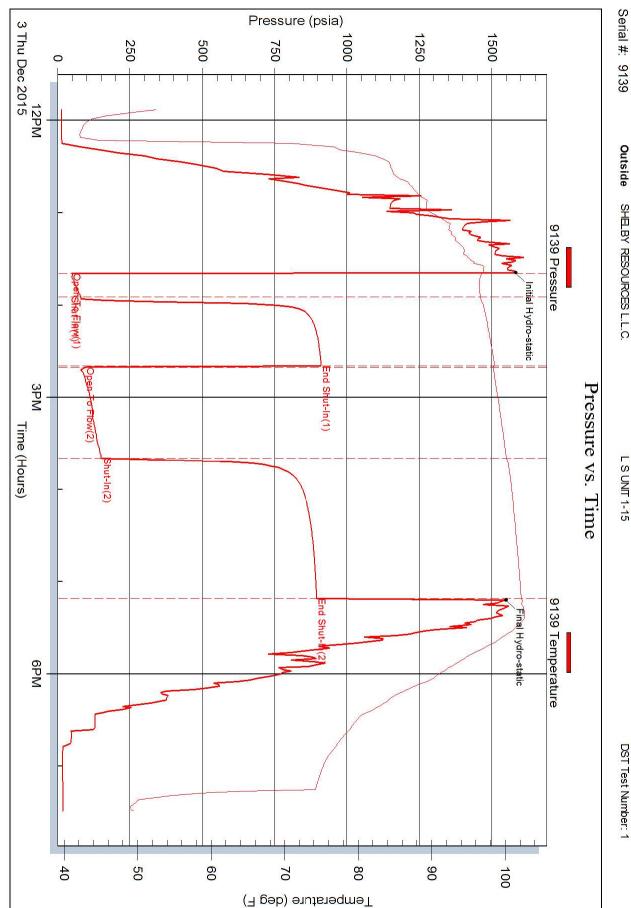
L S UNIT 1-15

DST Test Number: 1



Ref. No: 01200

Eagle Testers



SHELBY RESOURCES L.L.C.

L S UNIT 1-15

DST Test Number: 1



DRILL STEM TEST REPORT

Prepared For: SHELBY RESOURCES L.L.C.

621 17 th STREET SUITE 1155 DENVER, COLORADO 80293

ATTN: JEREMY SCHWARTZ

L S UNIT 1-15

15-18S-14W BARTON

 Start Date:
 2015.12.04 @ 18:12:00

 End Date:
 2015.12.04 @ 00:00:00

 Job Ticket #:
 01201
 DST #: 2

Eagle Testers 1309 Patton Road Great Bend, Kansas 67530 620-791-7394 SHELBY RESOURCES L.L.C.

15-18S-14W BARTON

L S UNIT 1-15

DST # 2

KANSAS CITY 'H

2015.12.04

	SHELBY RESOURCES L.L.C.			00 111	/ BARTO	N	
						IN	
	621 17 th STREET SUITE 1155 DENVER,COLORADO 80293			UNIT 1. Ticket: 01		DST#	4. 0
Great Said, Kaileas	ATTN: JEREMY SCHWARTZ				15.12.04 @	-	
GENERAL INFORMATION:							
Formation:KANSAS CITY 'HDeviated:NoWhipstock:Time Tool Opened:19:32:00Time Test Ended:00:00:00	ft (KB)		Test Teste Unit I	er: C	Conventiona GENE BUDIC		Hole (Initial)
nterval:3294.00 ft (KB) To3Total Depth:3334.00 ft (KB) (THole Diameter:7.88 inches Hole			Refe	rence Ee KB te	vations: o GR/CF:	1923.0	00 ft (KB) 00 ft (CF) 00 ft
2ND OPENING	End Date: End Time:			.: 8tm: 2 8tm: 2 DIED	2015.12.04 2015.12.04	2015.12.0 @ 19:31:0 @ 20:30:0	00
Pressure vs. 7	fime		PR	ESSUR	E SUMM	ARY	
500 500 500 500 500 500 500 500 500 500	SPA SPA	Time (Min.) 0 1 16 47 47 58 59	Pressure (psia) 1666.23 47.50 46.96 50.47 48.35 47.03 1644.97	Temp (deg F) 99.29 98.88 98.76 99.19	Annotation Initial Hydr Open To F Shut-In(1)	o-static low (1) n(1) low (2)	
Recovery			· · · ·	Gas	s Rates		
Length (ft) Description				Choke (ir	nches) Pressu	ıre (psia)	Gas Rate (Mcf/d)
5.00 SLIGHTLY OIL CUT MUD		1					

SHELEY RESOURCES LLC. 15-16S-14W BARTON SHELEY RESOURCES LLC. LS UNIT 1-15 John Stream John Stream ATTN JEREMY SCHWARTZ GENERAL INFORMATION: Est Start: 2015.12.04 @ 18-12.00 GENERAL INFORMATION: Fermation: Formation: KARAS CITY H Devided: No The Tool Openic 1932.00 Test: Collected @ 18-12.00 The Tool Openic 1932.00 Test: Generate Bevalons: 1934.00 ft (KB) Total Opin: 3324.00 ft (KB) TO 3334.00 ft (KB) (TVD) Reference Bevalons: 1930.00 ft (KB) Total Opin: 3324.00 ft (KB) TO 3334.00 ft (KB) Capacity: 5000.00 psia Start Date: 2015.12.04 End Date: 2015.12.04 Last Calib: 2015.12.04 @ 19.31.30 The: 1813.00 End Time: 2015.12.04 @ 19.31.30 Time CH Bitr: 2015.12.04 @ 19.31.30 Time: 181.30.00 End Time: 2015.12.04 @ 20.23.30 Test: 2015.12.04 @ 20.23.30 TEST COMMENT: 1ST OPENNS: 1S MINUTES WEAK SUPFACE BLOW FOR 12 MINUTES AND DED Start Calib. 2015.12.04 @ 20.23.30 Test: 1ST OPENNS: 15 MINUTES NO BLOW					100 1 1			
DenvEr, COLORADO 80283 ATTN: JERBMY SCHWARTZ Job Ticket: 01201 DST#:2 ATTN: JERBMY SCHWARTZ GENERAL INFORMATION: Formation: KANSAS CITY 'H Deviated: Test Start: 2015 12.04 (@ 18.12.00 GENERAL INFORMATION: Formation: KANSAS CITY 'H Deviated: Test Type: Conventional Bottom Hole (Initial) Tester:: Time Tool Opencie 19.932:00 Unit No:: 1 Interval: 3294.00 ft (KB) To 3334.00 ft (KB) (TVD) Total Depth: Test Type: Conventional Bottom Hole (Initial) Tester: Bess@RunDepth: 50.00 psia (@ 3329.00 ft (KB) Start Date: 2015 12.04 End Date: Start Date: 2015 12.04 End Date: 2015 12.04 End Date: Start Time: 18.13:00 End Time: 2015 12.04 End Date: Tist SHUT: 15.12:04 Q: 10:31:30 Time Of Bim: 2015 12.04 Q: 10:31:30 Test Start Time: 18.13:00 End Time: 2015 12.04 Q: 10:31:30 Test Start Time: 18.13:00 End Time: 2015 12.04 Q: 10:31:30 Test Start Time: 18.13:00 End Time: 2015 12.04 Q: 10:31:30 Test Start Time: 18.14:10 Time Of Bim: 2015 12.04 Q: 10:31:30 Time Of Bim: 2015 12:04 Q: 20:29:30 Time Of Bim: 2015 12:04 Q: 20:29:30 Test Start Time: 18.14:10 Time Of Bim:		SHELBY RESOURCES L.L.C.		15-	-185-140	W BARIC	N	
ATTN: JERBMY SCHWARTZ ATTN: JERBMY SCHWARTZ Test Start: 2015.12.04 @ 18:12:00 GENERAL INFORMATION: Formation: KANSAS 2010 Time Tool Opened: 19:3200 Time Tool Opened: 19:3200 Time Tool Opened: 19:3200 Unit N:: 1 Interval: 328.400 ft (KB) To 3334.00 ft (KB) (TVD) Total Deph:: 328.400 ft (KB) To 3334.00 ft (KB) (TVD) Total Deph:: 328.400 ft (KB) To 3334.00 ft (KB) Total Deph:: 500 Desia @ 329.00 ft (KB) Serial #: 2015.12.04 Start Date: 2015.12.04 End Date: 2015.12.04 Start Date: 2015.12.04 Sta					_			
GENERAL INFORMATION: Formation: KANSAS CITY'H Deviated: No Whipstock: ft (KB) Time Test Ended: 00.00:00 Test Type: Conventional Bottom Hole (Initial) Time Test Ended: 00:00:00 Unit No: 1 Interval: 3234.00 ft (KB) (TVD) Reference Bevations: 1934:00 ft (KB) Total Depth: 3334.00 ft (KB) (TVD) Reference Bevations: 1934:00 ft (KB) Serial #: 9139 Outside Start Date: 2015:12.04 Last Calib: 2015:12.04 (20:29:30) First Phane: 18:13:00 End Time: 2015:12.04 Last Calib: 2015:12.04 (20:29:30) TEST COMMENT: 1ST OPENING: 15 MINUTES WEAK SUBFACE BLOW FOR 12 MINUTES AND DIED 15 Start Date: 2015:12.04 (20:29:30) TEST COMMENT: 1ST OPENING: 15 MINUTES NO BLOW BACK 2000 SURGE NO HELP CAME OUT OF THE DOTO: Time Total Phane: 30 MINUTES NO BLOW BACK 2000 SURGE NO HELP CAME OUT OF THE DOTO: Time Total Time Total SUL AD (20:29:30) Time Total SUL AD (20:29:30) Test SHUT-IN: 30 MINUTES NO BLOW BACK 200 NO FI AD (20:00) Time Total	Great Band, Kanzas						-	
Formation: KANSAS CITY 'H Devided: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial): Time Tool Opened: 19:32:00 Tester: GENE BUDIG Interval: 3294.00 ft (KB) To 3334.00 ft (KB) (TVD) Beference Elevations: 1934.00 ft (KB) Total Depth: 3334.00 ft (KB) Test KB to GRVCF: 11.00 ft Serial #: 9139 Outside Souto 0 1100 ft Press@RunDepth: 5000 poils @ 3329.00 ft (KB) Capacity:: 5000.00 psia Start Date: 2015.12 Ad End Date: 2015.12 Ad Last Calib:: 2015.12 Ad Start Time: 18:13:00 End Time: 22:04:00 Time On Bim: 2015.12 Ad @2193.103 TEST COMMENT: IST OPENING: 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DED IST SHUT-IN TAKEN Time On Bim: 2015.12 Ad @2193.103 Test Type: Time On Bim: 2015.12 Ad @2193.103 Time On Bim: 2015.12 Ad @2193.103 Test Tool MINITES: NO BLOW BACK Time On Bim: 2015.12 Ad @2193.103 Time On Bim: 2016.12 Ad @200 Ft (MB)		ATTN: JEREMY SCHWARTZ		Tes	t Start: 20	015.12.04 (@ 18:12:00	0
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) Time Test Ended: 00:00:00 Unit No: 1 Therval: 3234.00 ft (KB) to 3334.00 ft (KB) (TVD) Reference Elevations: 1934.00 ft (KB) Total Depth: 3334.00 ft (KB) (TVD) Reference Elevations: 1934.00 ft (KB) Forse@RunDepth: 50:00 psia @ 3329.00 ft (KB) Capacity: 5000.00 psia Start Date: 2015.12.04 End Date: 2015.12.04 Last Calib:: 2015.12.04 @ Start Time: 18:13:00 End Time: 22:04:00 Time On Bim: 2015.12.04 @ 20:29:30 TEST COMMENT: 15 OPENING: 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED Iss SHUT-IN: 30 MINUTES NO BLOW BACK 2ND OPENING: 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED 99.81 Notation 15T SHUT-IN: 30 MINUTES NO BLOW BACK 2ND OPENING: 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED 15T SHUT-IN: 30 MINUTES NO BLOW FOR 12 MINUTES AND DIED 15 ft.88 99.81 Notation 16 456 99.75 Shut-In(1) 10 ft.88 99.81 <t< td=""><td>GENERAL INFORMATION:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	GENERAL INFORMATION:							
Total Depth: 3334.00 ft (KB) (TVD) 1923.00 ft (CF) Hole Diameter: 7.83 inchesHole Condition: Fair KB to GR/CF: 11.00 ft Start Date: 2015 12.04 End Date: 2015 12.04 Last Calib: 2015 12.04 (Det 11.00 ft) Start Date: 2015 12.04 End Date: 2015 12.04 (Det 11.00 ft) Start Date: 2015 12.04 (Det 11.00 ft) Start Time: 18:13.00 End Time: 2015 12.04 (Det 11.00 ft) End Time: 2015 12.04 (Det 11.00 ft) TEST COMMENT: 1ST OPENING 15 MINUTES NO BLOW BACK ZND OPENING 13 MINUTES NO BLOW FOR 12 MINUTES AND DIED Start Date: 2ND OPENING 13 MINUTES NO BLOW BLOW FOR 12 MINUTES AND DIED Annotation UPUID OPENING 13 MINUTES NO BLOW FULSHED TOOL GOOD SURGE NO HELP CAME OUT OF THE Hole NO FINAL SHUT-IN TAKEN Time PRESSURE SUMMARY (deg P) 10.01.01 Open To Flow (1) 99.75 99.34 Open To Flow (1) 99.75 99.34 Open To Flow (2) 100.10 100.10	Deviated: No Whipstock: Time Tool Opened: 19:32:00	ft (KB)		Tes	ster:	GENE BUDI		Hole (Initial)
Press@RunDepth: 50.00 psia @ 3329.00 ft (KB) Capacity: 5000.00 psia Start Date: 2015.12.04 End Date: 2015.12.04 Last Calib.: 2015.12.04 @ 19.31.30 Time Off Btm 2015.12.04 @ 19.31.30 Time Off Btm 2015.12.04 @ 20.29.30 TEST COMMENT: 1ST OPENING 15 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 30 MINUTES NO BLOW BACK 2ND OPENING 13 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 30 MINUTES NO BLOW FOR 12 MINUTES AND DIED TST SHUT-IN 30 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 30 MINUTES NO BLOW FOR 12 MINUTES AND DIED TO OPENING 13 MINUTES NO BLOW FOR 12 MINUTES AND DIED TIME OF BIM 2015.12.04 @ 20.29.30 THEST COMMENT: 1ST OPENING 15 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 30 MINUTES NO BLOW FOR 12 MINUTES AND DIED TIME OF BIM 2015.12.04 @ 20.29.30 THEST COMMENT: 1ST OPENING 15 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 30 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 10 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 10 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 10 MINUTES NO BLOW FOR 12 MINUTES AND DIED IST SHUT-IN 10 MINUTES AND DIED IST SHUT-IN 1	Total Depth: 3334.00 ft (KB) (TV	/D)		Ref			1923.	00 ft (CF)
Image: constraint of the second se	Press@RunDepth: 50.00 psia Start Date: 2015.12.04 Start Time: 18:13:00 TEST COMMENT: 1ST OPENING 1ST SHUT-IN 2ND OPENING	End Date: End Time: 15 MINUTES WEAK SURFACE BLC 30 MINUTES NO BLOW BACK 13 MINUTES- NO BLOW FLUSHED	22:04:00	Last Cali Time On Time Off NUTES AND	ib.: Btm: Btm: DIED	2015.12.04	2015.12. @ 19:31: @ 20:29:	04 30
Image: constraint of the second se				P	RESSUE		/ARY	
Length (ft) Description Volume (bbl) Choke (inches) Pressure (psia) Gas Rate (Mcf/d)			(Min.) 0 1 16 49	(psia) 1666.88 51.68 48.55 50.00 49.99 50.94	(deg F) 99.81 99.34 99.75 100.10 100.10 100.23	Initial Hyd Open To Shut-In(1 End Shut- Open To Shut-In(2	ro-static Flow (1)) -In(1) Flow (2))	
	Recovery			•	Ga	s Rates		
5.00 SLIGHTLY OIL CUT MUD 10 OIL 90 MUD 0.02		. ,			Choke (inches) Press	sure (psia)	Gas Rate (Mcf/d)

—	_							
					MTEST	REPU	K I	TOOL DIAGRAM
			SHELB	Y RESOURCE	ES L.L.C.		15-18S-14W BARTO	N
			621 17	th STREET S	UITE 1155		L S UNIT 1-15	
ama Bou			DENVE	R,COLORAD	O 80293		Job Ticket: 01201	DST#:2
green com			ATTN:	JEREMY SC	HWARTZ		Test Start: 2015.12.04 @	0 18:12:00
Tool Information			ļ					
Drill Pipe: Le	ength:	3064.00 ft	Diameter	: 3.80 ir	nches Volume:	42.98 bb	I Tool Weight:	2000.00 lb
Heavy Wt. Pipe: Le	ength:	0.00 ft	Diameter	2.76 ir	nches Volume:	0.00 bb	Weight set on Packer	: 20000.00 lb
Drill Collar: Le	ength:	210.00 ft	Diameter	2.25 ir	nches Volume:	1.03 bb	Weight to Pull Loose:	65000.00 lb
Drill Pipe Above KB:		9.00 ft			Total Volume:	44.01 bb		0.00 ft
Depth to Top Packer		3294.00 ft					String Weight: Initial	60000.00 lb
Depth to Bottom Pac		5254.00 ft					Final	60000.00 lb
Interval between Pa		40.00 ft						
Tool Length:	0.00.01	69.00 ft						
Number of Packers:		2	Diameter	6.75 ir	nches			
Tool Comments:								
Tool Description		Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool			5.00			3270.00		
Hydraulic tool			5.00			3275.00		
Jars			7.00			3282.00		
Safety Joint			2.00		Fluid	3284.00		
Top Packer			5.00			3289.00		
Packer			5.00			3294.00	29.00	Bottom Of Top Packer
Anchor			35.00			3329.00		
Recorder			0.00	9119	Inside	3329.00		
Recorder			0.00	9139	Outside	3329.00		
Bullnose			5.00			3334.00	40.00	Anchor Tool

Total Tool Length: 69.00

		DRILL STEM TEST REPOR	RT		FLUID S	UMMAR
		SHELBY RESOURCES L.L.C.	15-18S	-14W BARTON		
		621 17 th STREET SUITE 1155	LSU	NIT 1-15		
Great	Ronal Rancos	DENVER,COLORADO 80293	Job Tick	æt: 01201	DST#: 2	
		ATTN: JEREMY SCHWARTZ	Test Sta	art: 2015.12.04 @ 1	8:12:00	
Mud and Cu	shion Information	1				
Mud Type: Ge	el Chem	Cushion Type:		Oil A PI:		deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	:	ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl			
Water Loss:	7.20 in ³	Gas Cushion Type:				
Resistivity:	ohm.m	Gas Cushion Pressure:	psia			
Salinity:	5300.00 ppm					
Filter Cake:	1.00 inches					

Recovery Information

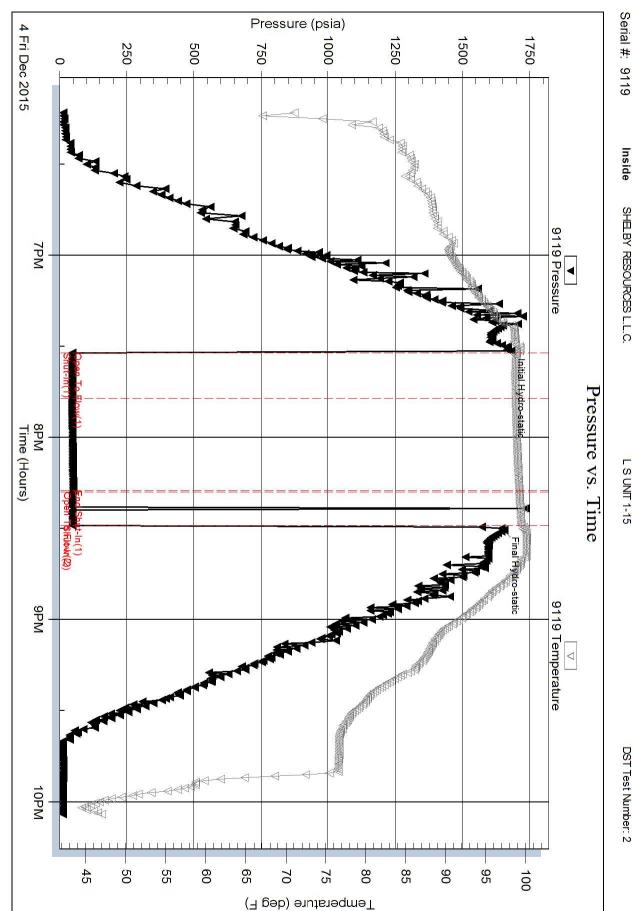
Recovery Table

		-	···· , ····		
	Length ft		Description		Volume bbl
	5.00	SLIGHTL	Y OIL CUT MUD 10 OI	L 90 MUD	0.025
Tot	al Length: 5	.00 ft	Total Volume:	0.025 bbl	
Lab	n Fluid Samples: 0 poratory Name: covery Comments:		Num Gas Bombs: Laboratory Locatior	0 N:	Serial #:

Printed: 2015.12.04 @ 22:26:24

Ref. No: 01201



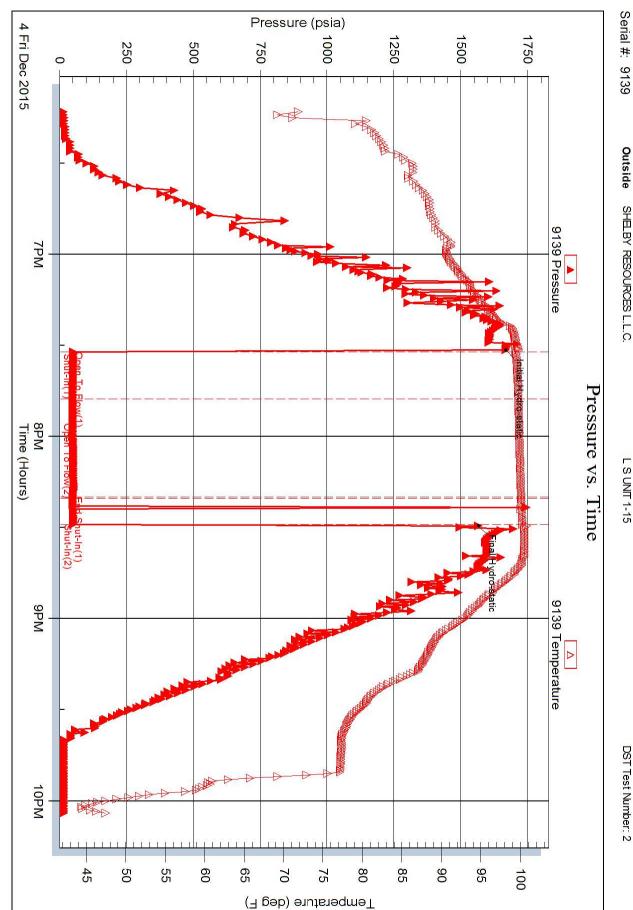


DST Test Number: 2

Printed: 2015.12.04 @ 22:26:24

Ref. No: 01201





Outside

L S UNIT 1-15

DST Test Number: 2



DRILL STEM TEST REPORT

Prepared For: SHELBY RESOURCES L.L.C.

621 17 th STREET SUITE 1155 DENVER, COLORADO 80293

ATTN: JEREMY SCHWARTZ

L S UNIT 1-15

15-18S-14W BARTON

 Start Date:
 2015.12.05 @ 06:43:00

 End Date:
 2015.12.05 @ 02:19:00

 Job Ticket #:
 01202
 DST #:
 3

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

	SHELBY RESOURCE				400 444			
	SHELDT RESOURCE	5 L.L.C.			18S-14W		ON	
Among Bound Bounds	621 17 th STREET SU DENVER,COLORADO				UNIT 1 Ticket: 01		DST	#· 3
great Sands Manual	ATTN: JEREMY SC	HWARTZ					5 @ 06:43:00	
GENERAL INFORMATION:	ļ							
Formation: KANSAS CITY K Deviated: No Whipstock Fime Tool Opened: 08:56:00 Fime Test Ended: 02:19:00	c ft (KB)			Tes Tes Unit	ter: 0	Conventic GENE BU	onal Bottom DIG	Hole (Initial)
Total Depth: 3384.00 ft (KB)	3384.00 ft (KB) (TVD) (TVD) łole Condition: Fair			Refe	erence Ele KB t	evations: o GR/CF:	1923.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 9139 Outside Press@RunDepth: 349.19 psi Start Date: 2015.12.0 Start Time: 06:43:0	5 End Date:	DW BUILT TO	2015.12.05 14:19:00) THE BOTTO	Capacity Last Calil Time On Time Off M OF A 5 G	b.: Btm: 2 Btm: 2	2015.12.0	2015.12. 05 @ 08:55: 05 @ 12:13:	00
	45 MINUTES GOOD BLOV		DEA 5 GALL	ON BILICKET		ITE		
2ND SHUT-IN	90 MINUTES- GOOD BLC							
				PI	RESSUR	RESUM		
2ND SHUT-IN	75. Time 903 Temporalere Provinse state Provinse state Pro		Time (Min.) 0 2 16 61 63 111 197 198		RESSUR Temp (deg F) 101.22 100.65 100.53 101.40	E SUM Annota Initial Hy Open To Shut-In(End Shut Shut-In(End Shut	ation vdro-static o Flow (1) (1) ut-In(1) o Flow (2) (2)	
2ND SHUT-IN Pressure	rs. Time 903 Tempone Periodic allo 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DW BACK	Time (Min.) 0 2 16 61 63 111 197	Pressure (psia) 1710.46 69.94 83.22 455.53 118.05 158.71 349.19	RESSUR Temp (deg F) 101.22 100.65 100.53 101.40 101.34 102.46 104.22 104.29	E SUM Annota Initial Hy Open To Shut-In(End Shut Shut-In(End Shut	ation vdro-static o Flow (1) (1) ut-ln(1) o Flow (2) (2) ut-ln(2) vdro-static	
Suppose Sup	rs. Time 903 Tempone Periodic allo 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DW BACK	Time (Min.) 0 2 16 61 63 111 197	Pressure (psia) 1710.46 69.94 83.22 455.53 118.05 158.71 349.19	RESSUR Temp (deg F) 101.22 100.65 100.53 101.40 101.34 102.46 104.22 104.29	E SUM Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation vdro-static o Flow (1) (1) ut-ln(1) o Flow (2) (2) ut-ln(2) vdro-static	Gas Rate (Mcf/d)
2ND SHUT-IN Pressure v Pressure v Press	rs. Time US Tempolare Periode and Periode	DW BACK	Time (Min.) 0 2 16 61 63 111 197	Pressure (psia) 1710.46 69.94 83.22 455.53 118.05 158.71 349.19	RESSUR Temp (deg F) 101.22 100.65 100.53 101.40 101.34 102.46 104.22 104.29	E SUM Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation vdro-static o Flow (1) (1) ut-In(1) o Flow (2) (2) ut-In(2) vdro-static	Gas Rate (Mcf/d)
2ND SHUT-IN Pressure T 170 100 100 100 100 100 CAS 75 OIL 15 MU	rs. Time 959 Tempodate 959 Tempodate 1 Period data 1 Period da	DW BACK	Time (Min.) 0 2 16 61 63 111 197	Pressure (psia) 1710.46 69.94 83.22 455.53 118.05 158.71 349.19	RESSUR Temp (deg F) 101.22 100.65 100.53 101.40 101.34 102.46 104.22 104.29	E SUM Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation vdro-static o Flow (1) (1) ut-In(1) o Flow (2) (2) ut-In(2) vdro-static	Gas Rate (Mcf/d)
2ND SHUT-IN Pressure v Pressure v Press	rs. Time UB Tempodare Performance Perform	DW BACK	Time (Min.) 0 2 16 61 63 111 197	Pressure (psia) 1710.46 69.94 83.22 455.53 118.05 158.71 349.19	RESSUR Temp (deg F) 101.22 100.65 100.53 101.40 101.34 102.46 104.22 104.29	E SUM Annota Initial Hy Open To Shut-In(End Shu Final Hy s Rates	ation vdro-static o Flow (1) (1) ut-In(1) o Flow (2) (2) ut-In(2) vdro-static	Gas Rate (Mcf/d)

	DRILL STEM TE						
	SHELBY RESOURCES L.L.C.		15-1	18S-14V	V BARTO	ON	
America Render	621 17 th STREET SUITE 115 DENVER,COLORADO 80293			UNIT 1 Ticket: 01		DST	#:3
Shere Come Manas	ATTN: JEREMY SCHWART	Z	Test	t Start: 20)15.12.05 (@ 06:43:00)
GENERAL INFORMATION:	ł						
Formation:KANSAS CITY KDeviated:NoWhipstock:Time Tool Opened:08:56:00Time Test Ended:02:19:00	ft (KB)		Test Test Unit	ter: (Conventior GENE BUD 1		Hole (Initial)
nterval:3366.00 ft (KB) To33Total Depth:3384.00 ft (KB) (THole Diameter:7.88 inches Hole			Refe		evations: to GR/CF:	1923.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 9119 Inside Press@RunDepth: 344.36 psia Start Date: 2015.12.05 Start Time: 06:43:00	End Date: End Time:	2015.12.05 14:19:00	Capacity: Last Calik Time On I Time Off	o.: Btm: 2 Btm: 2	2015.12.05	2015.12.0 5 @ 08:55:3 5 @ 12:13:0	30
1ST SHUT-IN 4 2ND OPENING 4	15 MINUTES GOOD BLOW BUIL 45 MINUTES GOOD BLOW BAC 5 MINUTES GOOD BLOW BOTT	<				IMINUTES	
2ND SHUT-IN 9	00 MINUTES- GOOD BLOW BAC	к					
Pressure vs. 7	lime		PF	RESSUR			
	Time 9H9 Temperature 14409	K Time (Min.) 0 30 30 30 30 30 30 30 30 30 30 30 30 3	PF Pressure (psia)	RESSUR Temp (deg F) 100.33 99.95 100.02 100.92	Annotat Initial Hyd Open To Shut-In(1 End Shut- Open To Shut-In(2 End Shut-	tion Flow (1)) -In(1) Flow (2) ?) -In(2)	
Pressure vs. 7 500 500 500 500 500 500 500 50	Fine HE Tenperature HE Tenpe	Time (Min.) (Min.) (Min.) 0 1 5 61 62 61 62 61 62 110 197 39 198	Pressure (psia) 1710.23 67.88 82.82 456.39 117.74 159.32 344.36	RESSUR Temp (deg F) 100.33 99.95 100.02 100.92 100.84 101.80 103.49 103.86	Annotat Initial Hyd Open To Shut-In(1 End Shut- Open To Shut-In(2 End Shut-	tion Flow (1)) -In(1) Flow (2) ?) -In(2)	
Pressure vs. 7 500 500 500 500 500 500 500 50	Time 949 Temperature 949 Temperature 940 Temperature	Time (Min.) (Min.) (Min.) 0 1 5 61 62 61 62 61 62 110 197 5 198	Pressure (psia) 1710.23 67.88 82.82 456.39 117.74 159.32 344.36	RESSUR Temp (deg F) 100.33 99.95 100.02 100.92 100.84 101.80 103.49 103.86	Annotat Initial Hyd Open To Shut-In(1 End Shut- Open To Shut-In(2 End Shut- Final Hyd	tion Flow (1)) -In(1) Flow (2) ?) -In(2)	Gas Rate (Mcf/d)
Pressure vs. 1 JHP Ressure 170 100 100 100 100 100 100 100	Fine PHE Temperature PHE Temperature	Time (Min.) (Min.) (Min.) 0 1 5 61 62 61 62 61 62 110 197 5 198	Pressure (psia) 1710.23 67.88 82.82 456.39 117.74 159.32 344.36	RESSUR Temp (deg F) 100.33 99.95 100.02 100.92 100.84 101.80 103.49 103.86	Annotat Initial Hyd Open To Shut-In(1 End Shut- Gen To Shut-In(2 End Shut- Final Hyd	tion Flow (1)) -In(1) Flow (2) !) -In(2) Iro-static	Gas Rate (Mcf/d)
Pressure vs. 1 3187 Heasare 170 100 100 100 100 100 100 100	Fine PHE Temperature PHE Temperature	Time (Min.) (Min.) (Min.) 0 1 5 61 62 61 62 61 62 110 197 5 198	Pressure (psia) 1710.23 67.88 82.82 456.39 117.74 159.32 344.36	RESSUR Temp (deg F) 100.33 99.95 100.02 100.92 100.84 101.80 103.49 103.86	Annotat Initial Hyd Open To Shut-In(1 End Shut- Gen To Shut-In(2 End Shut- Final Hyd	tion Flow (1)) -In(1) Flow (2) !) -In(2) Iro-static	Gas Rate (Mcf/d)
Pressure vs. 1 JHP Ressure 170 100 100 100 100 100 100 100	Time 9#5 Temperature 9#6 Temperature 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Time (Min.) (Min.) (Min.) 0 1 5 61 62 61 62 61 62 110 197 5 198	Pressure (psia) 1710.23 67.88 82.82 456.39 117.74 159.32 344.36	RESSUR Temp (deg F) 100.33 99.95 100.02 100.92 100.84 101.80 103.49 103.86	Annotat Initial Hyd Open To Shut-In(1 End Shut- Gen To Shut-In(2 End Shut- Final Hyd	tion Flow (1)) -In(1) Flow (2) !) -In(2) Iro-static	Gas Rate (Mcf/d)

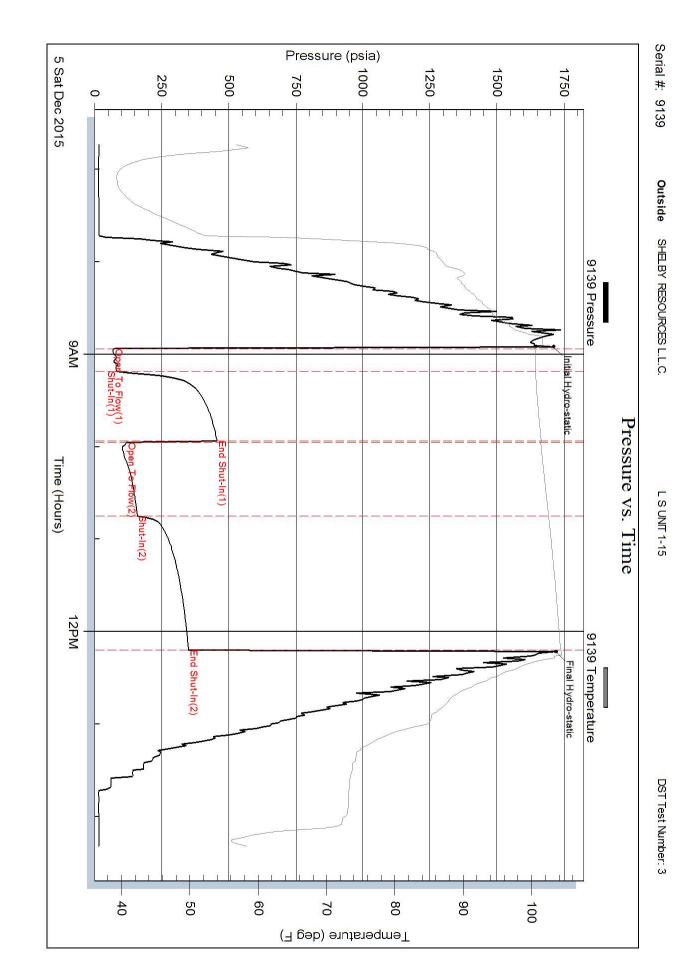
			DRI	LL STE	M TEST	REPO	RT	TOOL DIAGRA
		5,10	SHELB	Y RESOURCE	SL.L.C.		15-18S-14W BARTC	N
			621 17	th STREET SU	JITE 1155		L S UNIT 1-15	
amas	and the	amena	DENVE	R,COLORADO	0 80293		Job Ticket: 01202	DST#:3
Juin 9			ATTN:	JEREMY SC	HWARTZ		Test Start: 2015.12.05 @	06:43:00
Tool Informatic	on		<u> </u>					
Drill Pipe:	Length:	3160.00 ft	Diameter:	3.80 in	ches Volume:	44.33 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.86 in	ches Volume:	0.00 bbl	Weight set on Packer	20000.00 lb
Drill Collar:	Length:	210.00 ft	Diameter:	2.25 in	ches Volume:	1.03 bbl	Weight to Pull Loose:	75000.00 lb
		33.00 ft			Total Volume:	45.36 bbl	Tool Chased	0.00 ft
Drill Pipe Above k Depth to Top Pac		33.00 ft 3366.00 ft					String Weight: Initial	60000.00 lb
Depth to Bottom F		5566.00 It					Final	lb
Interval between		18.00 ft						
Tool Length:	rackers.	47.00 ft						
Number of Packe	ers.	47.00 ht 2	Diameter:	6.75 in	ches			
Tool Comments:								
Tool Descriptic	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
-	on	Le	ngth (ft) 5.00	Serial No.	Position	Depth (ft) 3342.00	Accum. Lengths	
Shut In Tool	on	Le	• • •	Serial No.	Position	• • • •	Accum. Lengths	
Shut In Tool Hydraulic tool	on	Le	5.00	Serial No.	Position	3342.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars	on	Le	5.00 5.00	Serial No.	Position	3342.00 3347.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars Safety Joint	on	Le	5.00 5.00 7.00	Serial No.		3342.00 3347.00 3354.00	Accum. Lengths	
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer	on	Le	5.00 5.00 7.00 2.00	Serial No.		3342.00 3347.00 3354.00 3356.00	Accum. Lengths	Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer	on	Le	5.00 5.00 7.00 2.00 5.00	Serial No.		3342.00 3347.00 3354.00 3356.00 3361.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor	on	Le	5.00 5.00 7.00 2.00 5.00 5.00	Serial No. 9119		3342.00 3347.00 3354.00 3356.00 3361.00 3366.00		Bottom Of Top Packe
Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor Recorder	on	Le	5.00 5.00 7.00 2.00 5.00 5.00 13.00		Fluid	3342.00 3347.00 3354.00 3356.00 3361.00 3366.00 3379.00		Bottom Of Top Packe
Tool Description Shut In Tool Hydraulic tool Jars Safety Joint Top Packer Packer Anchor Recorder Recorder Bullnose	on	Le	5.00 5.00 7.00 2.00 5.00 5.00 13.00 0.00	9119	Fluid	3342.00 3347.00 3354.00 3356.00 3361.00 3366.00 3379.00 3379.00		Bottom Of Top Packe

		DRI 🖉	LL STEM TEST REPO	RT	I	
	<u>y</u> ue	SHELB	Y RESOURCES L.L.C.	15-18S-14	4W BARTON	
			th STREET SUITE 1155 R,COLORADO 80293	L S UNIT		DST#: 3
Greate	Sallah Ka	ATTN:	JEREMY SCHWARTZ		2015.12.05 @ 06	
/lud and Cu	shion Info	ormation				
/lud Type: Ge	l Chem		Cushion Type:		Oil A PI:	44 deg API
/lud Weight:	9.00 lk	o/gal	Cushion Length:	ft	Water Salinity:	ppm
/iscosity:	62.00 s	ec/qt	Cushion Volume:	bbl		
Vater Loss:	8.80 ir	1 ³	Gas Cushion Type:			
Resistivity:	0	hm.m	Gas Cushion Pressure:	psia		
Salinity:	6500.00 p					
ilter Cake:	1.00 ir	nches				
Recovery In	formation		Recovery Table			
			-		_	
		Length ft	Description	Volume bbl		
		180.00		0.88	25	
		0.00	SLIGHLTLY MUD CUT GASSY OIL 10 GAS 75 OIL 15 MUD	0.00		
		180.00	CLEAN GASSY OIL 20 GAS 80 OIL	2.25		
		0.00	GRAVITY 44 CORRECTED	0.00		
	Tot		.00 ft Total Volume: 3.137			
		n Fluid Samples: 0	Num Gas Bombs: 0	Serial	# .	
		ooratory Name:	Laboratory Location:	Senar	#.	
		covery Comments:				
	Net	covery comments.				

Printed: 2015.12.05 @ 14:39:47

Ref. No: 01202

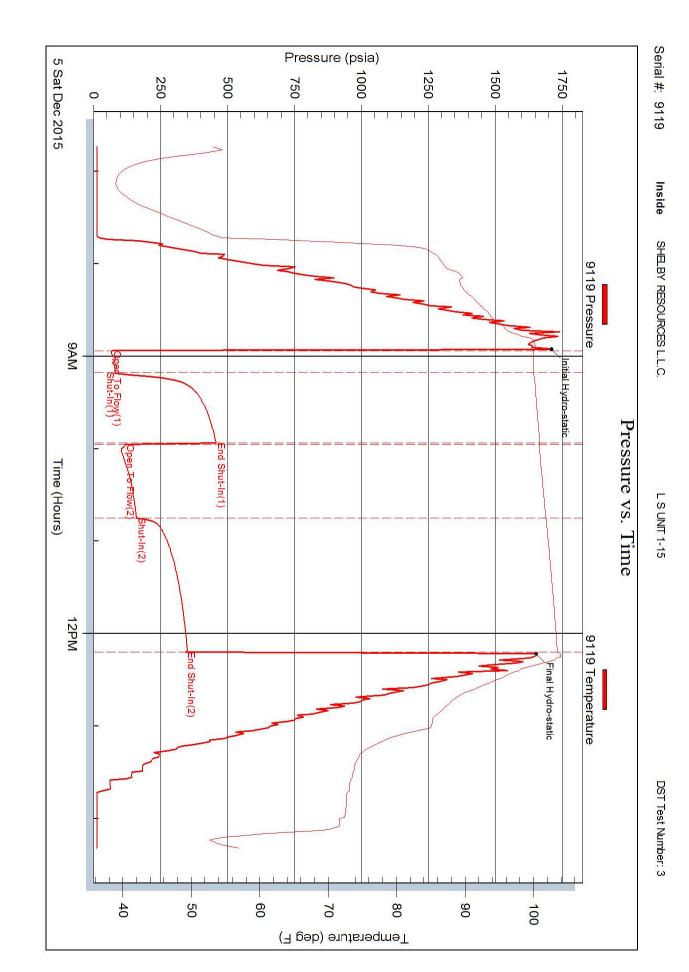




Printed: 2015.12.05 @ 14:39:47

Ref. No: 01202





	Scale 1:240 Imperia	al	
Well Name: Surface Location: Bottom Location:	LS Unit #1-15 1740' FNL, 2600' FEL, Sec. 1	5-18S-14W	
API: License Number: Spud Date: Region:	15-009-26134-0000 11/30/2015 Barton County	Time:	2:15 PM
Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	12/6/2015	Time:	10:00 AM
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1923.00ft 1934.00ft 2800.00ft 3560.00ft Lansing Kansas City Chemical/Fresh Water Gel	To:	3560.00ft
Company: Address:	OPERATOR Shelby Resources, LLC 445 Union Blvd, Suite 208 Lakewood, CO 80228		
Contact Geologist: Contact Phone Nbr: Well Name: Location: API:	Janine Sturdavant 303-907-2209 / 720-274-4682 LS Unit #1-15 1740' FNL, 2600' FEL, Sec. 1 15-009-26134-0000	5-18S-14W	
Pool: State:	Kansas	Field: Country:	Boyd Crossing USA
	LOGGED BY		
Company: Address:	Shelby Resources, LLC 445 UNION BLVD. Suite 208 LAKEWOOD, CO. 80228		
Phone Nbr: Logged By:	203-671-6034 Geologist	Name:	Jeremy Schwartz

NOTES

The Shelby Resources, LLC LS Unit #1-15 was drilled to a total depth of 3560', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

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

Due to negative DST Results, sample shows, gas kicks, and log analysis it was determined by all parties involved that the well is not commercially productive and was plugged and abaondoned. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

NOTE: The log tops are 3-4' higher than the drill time/sample tops so all DST's should be moved up accordingly

Respectfully Submitted, Jeremy Schwartz Geologist

Rig #: Rig Type: Spud Date:	mud rotary	2:15 PM 10:00 AM	

ELEVATIONS

K.B. Elevation: K.B. to Ground:

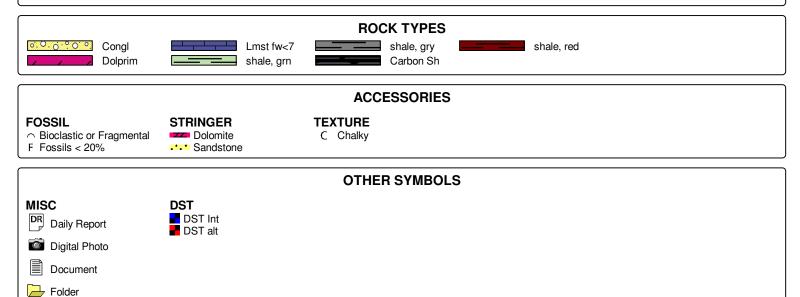
🚾 I ink

1934.00ft 11.00ft Ground Elevation:

1923.00ft

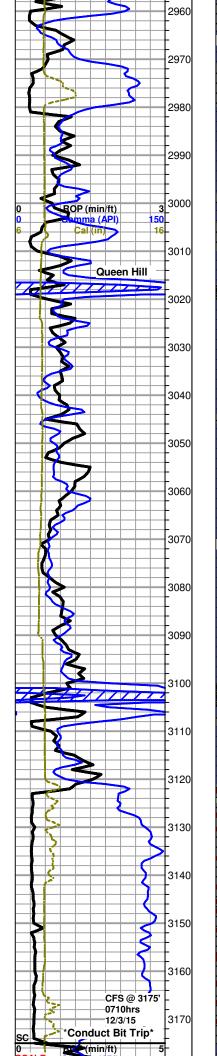
DATE	DEPTH	ACTIVITY					
Fhursday, December 03, 2015	3050'	Geologist Jeremy Schwartz on location at 0530hrs, ~3050', Drlg ahead through Heebner,					
		Toronto, Douglas Shale, Brown Lime, CFS @ 3175', CTCH 1hour, Survey, Strap out,					
	3175'	Conduct Bit Trip, Swap PDC for Button Bit, Successful Bit Trip, Resume Drlg ahead					
	3219'	through Lansing, CFS @ 3219', Conduct DST #1 in the Lansing "B",					
Friday, December 04, 2015	3219'	Successful Test, Resume Drlg ahead through Lansing, CFS @ 3258', Resume Drlg,					
	3334'	CFS @ 3334', Conduct DST #2 in the Lansing "H",					
Saturday, December 05, 2015	3334'	Successful Test, Resume Drig ahead through Lansing, CFS @ 3384', Conduct DST #3					
	3384'	in the Lansing "K", Successful Test, Resume Drlg ahead through Lansing, CFS @ 3425',					
	3425'	Resume Drlg, CFS @ 3443', Resume Drlg,					
Sunday, December 06, 2015	3461'	CFS @ 3461', Resume Drlg ahead to TD @ 3560', TD reached at 1000hrs, CTCH 1.5hrs,					
	3560'	Survey, OOH for logs, Conduct Logging Operations, Logging Operations Complete @					
		1745hrs, Geologist Jeremy Schwartz off Location @ 1815hrs					

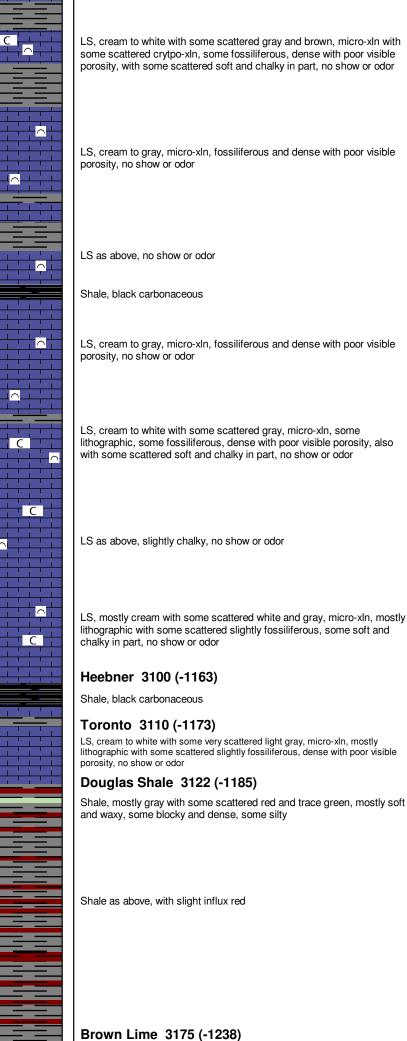
																		1				
						SHELBY RE	SOUR	ΈS, LL	С		SHELBY RESOURCES, LLC				SHELBY RESOURCES, LLC							
2					WONDRA STOSS UNIT #1 -15				W-S #1-15				JERRY'S UNIT #1-15									
		LS UNI	T #1-15		1	NE NW NE S	W 15-:	185-14	W	1	S	W SE NW SI	N 15-	185-14	W		N	N-NE-NE-N	W 15-	185-1/	ŧW	
	KB	2	1934	_	KB		19	37			KB		19	942	-		KB		1	939		_
	LOG	TOPS	SAMPI	E TOPS		P. CARD	LC)G	SM		6.4	. CARD	LO	OG	SM	IPL.	COMP		L	0G	SN	VIPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CC	ORR.	00	ORR,
ANHYDRITE TOP	872	1062	872	1062	874	1063	. *	1		1	886	1056	+	6	+	6	859	1080	1	18	10	1
BASE	897	1037	899	1035	898	1039	12	2	1	4	912	10 30	+	7	+	5	890	10 49	-	12	1	14
TOPEKA	2882	-948	2885	-951	2888	-951	+	3	+	0	2900	-958	+	10	+	7	2883	-944	-	4	-	7
HEEBNER SHALE	3100	-1166	3100	-1166	3104	-1167	+	1	+	1	3115	-1173	+	7	+	7	3103	-1164	-	2	-	2
TORONTO	3108	-1174	3110	-1176	3112	-1175	+	1	-	1	3123	-1181	+	7	+	5	3114	-1175	+	1	-	1
DOUGLAS SHALE	3120	-1186	3122	-1188	3124	- 118 7	+	1	-	1	3135	-1193	+	7	+	5	31.28	-1189	+	3	+	1
BROWN LIME	3173	-1239	3175	-1241	3177	-1240	+	1		1	3188	-1246	+	7	+	5	3180	-1241	+	2	+	0
IKC	3180	-1246	3183	-1249	3186	-1249	+	3	+	0	3196	-1254	+	8	+	5	3190	-1251	+	5	+	2
B Zone	3207	-1273	3210	-1276	3213	-1276	+	3	+	0	3225	-1283	+	10	+	7	3217	-1278	+	5	+	2
D Zone	3228	-1294	3231	-1297	3234	-1297	+	3	+	0	3245	-1303	+	9	+	6	3237	-1298	+	4	+	1
LKCG	3250	-1316	3253	-1319	3254	-1317	+	1	1	2	3267	-1325	+	9	+	6	3255	-1316	-	0	-	3
MUNCIE CREEK	3312	-1378	3316	-1382	3318	-1381	+	3		1	3328	-1386	÷	8	+	4	3317	-1378	+	0	188	4
LKC H	3316	-1382	3321	-1387	3322	-1385	+	3		2	3331	-1389	+	7	+	2	3323	-1384	+	2	1	3
STARK S HALE	3366	-1432	3370	-1436	3371	-1434	+	2		2	3382	-1440	+	8	+	4	3370	-1431	*	1	-	5
цкск	3372	-1438	3376	-1442	3379	-1442	+	4	+	0	3388	-1446	+	8	+	4	3378	-1439	+	1		3
BKC	3390	-1456	3394	-1460	3394	-1457	Ŧ	1		3	3404	-1462	+	6	+	2	3395	-1456	+	0	-	4
CONGLOMERATE	3434	-1500	3437	-1503	3410	-1473	-	27	-	30	34 20	-1478	-	22	15	25	3406	-1467	-	33	-	36
ARBUCKLE	3473	-1539	3476	-1542	3420	-1483	-	56		59	3439	-1497		42		45	3435	-1496	- e.,	43		46
RTD			3560	-1626	3530	-1593			-	33	3507	-1565			-	61	3570	-1631			+	5
LTD	3559	-1625		1	3531	-1594	100	31	1		3507	-1565	1920	60			3571	-1632	+	7		



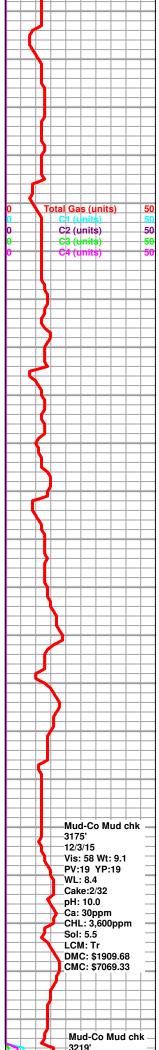


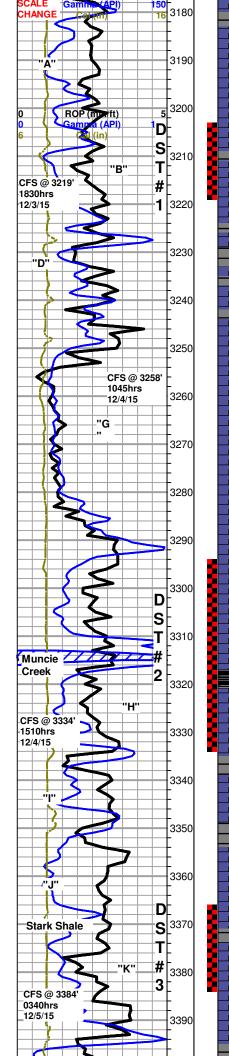
					Printed by GEOstrip VC Striplog	versio	n 4.0).8.1	5 (www.	.grsi.ca
Curve Track #1 ROP (min/ft)						Total G	Т	G, C	1 - C5	_
Gamma (API)	als					C1 (un		, into)		
Cal (in)	Depth Intervals					C2 (un				
			logy	MOL		C3 (un	· '			
	Dept	DST	Lithology		Geological Descriptions	C4 (un	its)			
		20.								
	Cored Interval DST Interval									
	ored ST In									
1:240 Imperial 0 ROP (min/ft) 3				+	Logged By Jeremy Schwartz	0 >			nperial <mark>s (units)</mark>	5
0 Gamma (API) 150 6 Gal (in) 16					Logged by belefing Schwartz			<mark>C1 (1</mark> C2 (u	nits)	5
	2810				LS, cream to gray with some scattered brown, micro-xln, some fossiliferous, some lithographic, mostly dense with poor visible porosity,			C3 (u	nits)	- 5
					some scattered soft and chalky in part, also with some gray shale, no					
52	E				show or odor	81				
	2820						-			
	-									
	2830				LS, cream to gray with some scattered brown, micro-xln, some fossiliferous, dense with poor visible porosity, no show or odor					
	-									
	1 1						-			
	2840 -						-			
	-									
	2850				LS as above, no show or odor		-			
	F						-			
	F						-			
	2860 -									
	FI				I C groom to group migro via mostly lithographic come contrard		-	-		
	2870				LS, cream to gray, micro-xln, mostly lithographic, some scattered slightly fossiliferous, also with slight influx soft and chalky in part, no					
	FI				show or odor					
Tooke DAQ System Froze	F									
and had to be restarted from 2850'-2910'	2000				Topeka 2885 (-948)					
	-				LS, cream to gray, micro-xln, mostly lithpographic, some scattered					
	2890				fossiliferous, mostly dense with poor visible porosity, with some scattered soft and chalky in part, no show or odor					
	E				scattered soft and charky in part, no show of oddi					
	2900									
	†									
	t				LS, cream with some scattered gray, micro-xln, some fossiliferous,		+			
	2910 -				mostly dense with poor visible porosity, some scattered soft and chalky		+			
	F				in part, no show or odor		-	-		
	2920									
	Εl									
	_ 2930						+			
	2930				IS mostly cream with some arey micro via mostly lithographic with		Ŧ			
	E				LS, mostly cream with some gray, micro-xln, mostly lithographic with some scattered fossiliferous, dense with poor visible porosity, no show					
	2940				or odor					
	t									
	2950						t			
King Hill					Shale, black carbonaceous		>			
	t						1	+		





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







Lansing 3183 (-1246)

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

LS as above, with some very scattered soft and chalky in part, no show or odor

L S UNIT dst 1.jpg

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3219' 30" LS, cream, micro-xln, mostly lithographic, some scattered slightly fossiliferous, mostly dense with poor visible porosity, with some very scattered (<5%) with few small edge vugs to slightly vuggy porosity and light golden brown to brown stain mostly in and around porosity only, few chips also with few small gas bubbles in porosity as well, slight to fair show free oil upon break in some chips, fair fleeting odor

3219' 60" Mostly same as above, with shows making up <5-10% of tray, fair odor

LS, cream to gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, few chips with one to two small vugs and poor black stain inside porosity only, NSFO, poor fleeting odor

LS, mostly same as above with slught influx (<5% of tray) chips with slightly vuggy edges and stain in porosity as above,VSSFO in tray, no fluor., fair odor

3258' 30" LS, cream to white, micro-xln, some lithographic and dense with poor visible porosity, some sub-oomoldic to oomoldic with poor to fair visible oomold porosity, some chips with very scattered to scattered stain in porosity only, few chips with fair to mostly saturated stain in and around porosity, upn break SSFO and fair visible inter-xln porosity, no fluor., SSFO in tray, fairly chalky, good odor

O 3258' 60" LS as above, with slightly less shows than above, accounting for <15% of tray, NSFO, no fluor., very chalky, good odor

LS, cream to white, micro-xln, some lithographic and dense with poor visible porosity, some sub-oomoldic to oomoldic, mostly poor visible oomold porosity, some very scattered with poor to fair visible porosity and very scattered to scattered poor stain in and aroound porosity only, VSSFO upon break in few chips, no fluor., very chalky, fair fleeting odor

LS, cream, micro-xln, mostly sub-oomoldic and dense with poor visible porosity, very chalky, no fluor., show or odor

LS, cream to gray, micro-xln, some lithographic, some sub-oolitic to sub-oomoldic, dense with poor visible porosity, no show, fluor. or odor

LS, cream with influx gray and brown, lithographic and dense with no visible porosity, no show or odor

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

菌 L S UNIT dst 2.jpg

Shale, black carbonaceous

3334' 30" LS, cream with some gray and brown, lithographic and dense with no visaible porosity, found 2 chips with few small edge vugs and black stain inside vugs, overall poor visible porosity, NSFO, no fluor., no odor

3334' 60" LS, cream to gray with some scattered brown, micro-xln, mostly lithographic and dense with no visible porosity, barren, few chips with one to two edge vugs and black stain in vugs only, few chips also sub-oollit to suboomoldic with mostly poor visible oonold porosity, with scattered to very scattered weak dark brown to black stain in and around oomolds as well as several gas bubbles in oomolds, no fluor., or odor

 ${\sim}3340'$ LS, cream with some scattered light gray, micro-xln, mostly lithographic and dense with poor visible porosity, some scattered slightly fossiliferous, no show or odor

~3350' LS as above, no show or odor

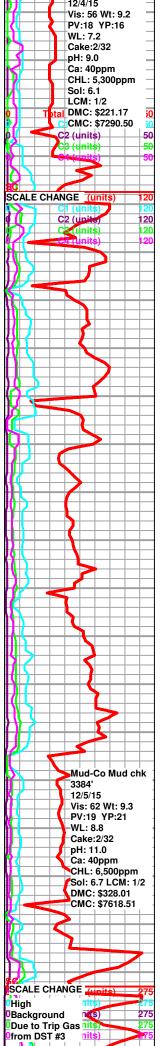
LS, mostly cream with some scattered gray, micro-xln, lithographic and dense with poor visible porosity, no show or odor

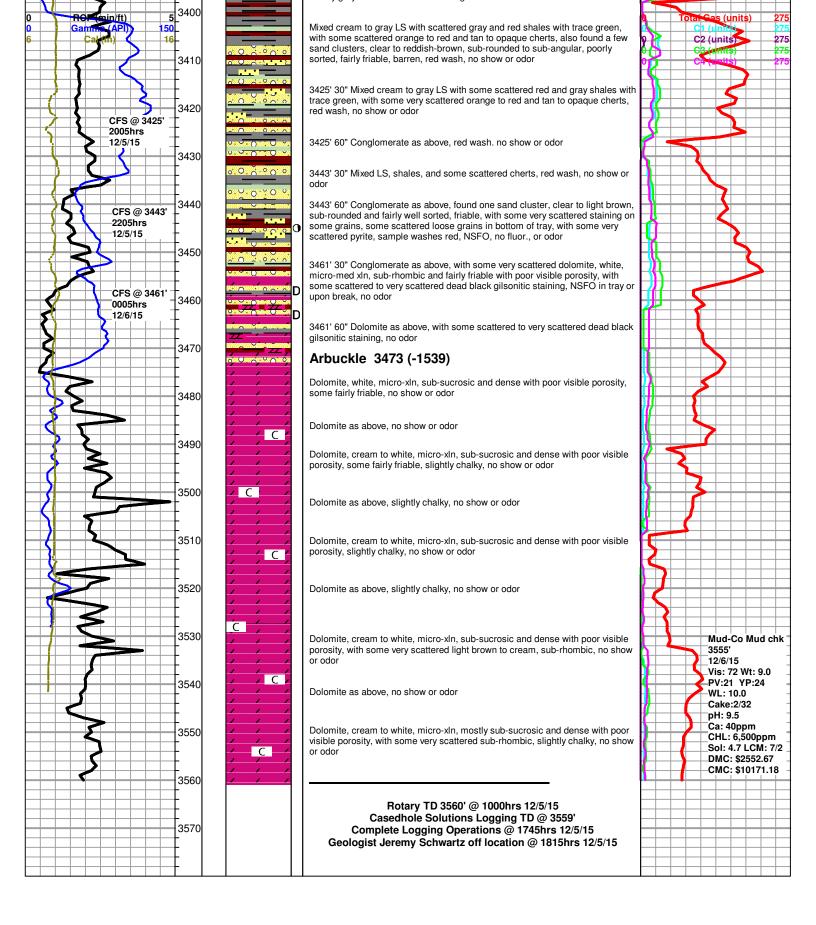
3384' 30" LS, cream to white, micro-xln, some lithographic and dense with poor visible porosity, some soft and chalky, some scattered chips slightly vuggy with poor to fair visible porosity and scattered fair black to tarry black stain in and around porosity, NSFO, some scattered yellow fluor., slight show gas bubbles in tray as well as in porosity in some chips, chalky, fair odor

3384' 60" Mostly same as above, with slightly less shows and fluor., less chalky, NSFO, fair fleeting odor

			(-1457)
Ô	s	UNIT d	st 3.jpg

Mostly gray and red shale with trace green





—			JNIT dst 1.		- -				
		DRILL STEM		EP	JRT				
		SHELBY RESOURCES L.L	C.		15-	18S-14V	V BARTO	Ν	
		621 17 th STREET SUITE	1155		LS	UNIT 1	-15		
amat	Bond Ramons	DENVER, COLORADO 802	293		Job	Ticket: 0 ²	1200	DST#:1	
		ATTN: JEREMY SCHWA	RTZ		Tes	t Start: 20	015.12.04 @	9 09:52:00	
GENERAL	INFORMATION:	•							
	KANSAS CITY ;B No Whipstock: ened: 11:39:00 ded: 19:29:00	ft (KB)			Tes Tes Unit	ter:	Conventiona GENE BUDIC 1	al Bottom Hole G	e (Initial)
Interval: Total Depth: Hole Diameter	3219.00 ft (KB) (T	219.00 ft (KB) (TVD) VD) e Condition: Fair			Refo	erence Ele	evations: to GR/CF:	1934.00 1923.00 11.00	ft (CF)
Serial #: 9 Press@RunD Start Date: Start Time:		@ 3214.00 ft (KB) End Date: End Time:		12.03 30:00	Capacity Last Calil Time On Time Off	o.: Btm:	2015.12.03 2015.12.03	•	psia
		45 MINUTE-NO BLOW BACK 60 MINUITES GOOD BLOW B					ET IN 2 MINU	TES	
	2nd SHUT-IN 9 Pressure vs. 1	00 MINUTES-GAS TO SRFAC			UT-IN				
F					UT-IN		RE SUMM	ARY	
1550	Pressure vs. 1	Lime		2ND SH ime /lin.)	UT-IN Pf Pressure (psia)	RESSUF Temp (deg F)	RE SUMM	ARY	
	Pressure vs. 1	Lime	E ON THBE 2	2ND SH	UT-IN Pf Pressure	RESSUF Temp	RE SUMM Annotatio	ARY on o-static	
1200	Pressure vs. 1	Lime		2ND SH ime /lin.) 0 1 18	UT-IN Pressure (psia) 1581.67 48.10 76.36	RESSUF Temp (deg F) 98.04 97.31 97.63	RE SUMM Annotatio Initial Hydr Open To F Shut-In(1)	ARY on o-static low (1)	
1230	Pressure vs. 1	Lime	E ON THBE 2	2ND SH ime /lin.) 0 1 18 61	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99	RESSUF Temp (deg F) 98.04 97.31 97.63 98.80	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-I	ARY on o-static low (1) n(1)	
1230	Pressure vs. 1	Lime	E ON THBE 2	2ND SH ime /lin.) 0 1 18	UT-IN Pressure (psia) 1581.67 48.10 76.36	RESSUF Temp (deg F) 98.04 97.31 97.63 98.80 98.61	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-I	ARY on o-static low (1) n(1)	
1230	Pressure vs. T	Lime	E ON THBE 2	2ND SH ime /lin.) 0 1 18 61 62	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35	RESSUF Temp (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2)	ARY on o-static low (1) n(1) low (2) n(2)	
	Pressure vs. 1	Lime	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF Temp (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	ARY on o-static low (1) n(1) low (2) n(2)	
	Pressure vs. T	Firme 919 Temperature 	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-I Open To F Shut-In(2) End Shut-I	ARY on o-static low (1) n(1) low (2) n(2)	
	Pressure vs. T	Firme 919 Temperature 	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static flow (1) n(1) flow (2) n(2) o-static	s Rate (Mcf/d
1250 770 900 250 0 250 0 250 250 250 250 250 250 2	Pressure vs. T	Fine:	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static flow (1) n(1) flow (2) n(2) o-static	s Rate (Mcf/d
Length (ft) 60.00 0.00	Pressure vs. 1	Firme DIP Temperature DIP Temperature	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static flow (1) n(1) flow (2) n(2) o-static	s Rate (Mcf/d
Length (ft) 60.00 60.00	Pressure vs. 1	Firme PPT Temperature PPT Temperature	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static flow (1) n(1) flow (2) n(2) o-static	s Rate (Mcf/d
220 700 700 700 700 700 700 700	Pressure vs. 1	Volume (bbl) DPY WATER 2950.70 WATER 0.00 DY WATER 0.00	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static flow (1) n(1) flow (2) n(2) o-static	s Rate (Mcf/c
220 220 220 220 220 220 220 220	Pressure vs. 1	Volume (bbl) DPY WATER 2950.70 WATER 0.00 DY WATER 0.00	E ON THBE 2	2ND SH ime /lin.) 0 1 8 61 62 121 212	UT-IN Pressure (psia) 1581.67 48.10 76.36 911.99 97.35 150.73 897.13	RESSUF (deg F) 98.04 97.31 97.63 98.80 98.61 99.96 101.91 102.49	RE SUMM Annotation Initial Hydr Open To F Shut-In(1) End Shut-In Open To F Shut-In(2) End Shut-In Final Hydro	ARY on o-static flow (1) n(1) flow (2) n(2) o-static	s Rate (Mcf/c

DRILL STEM TE SHELBY RESOURCES L.L.C. 621 17 th STREET SUITE 1155 DENVER, COLORADO 80293	T REPORT 15-18S-14W BARTON L S UNIT 1-15	
621 17 th STREET SUITE 1155		
	L S UNIT 1-15	
Circal Band, Kanza		
	Job Ticket: 01201 DST#:2	
ATTN: JEREMY SCHWARTZ	Test Start: 2015.12.04 @ 18:12:00	
GENERAL INFORMATION:		
Formation:KANSAS CITY 'HDeviated:NoWhipstock:ft (KB)Time Tool Opened:19:32:00Time Test Ended:00:00:00	Test Type: Conventional Bottom Hole (Initia Tester: GENE BUDIG Unit No: 1	ll)
Interval: 3294.00 ft (KB) To 3334.00 ft (KB) (TVD) Total Depth: 3334.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition:	Reference Elevations: 1934.00 ft (KB) 1923.00 ft (CF) KB to GR/CF: 11.00 ft	
Serial #: 9119 Inside Press@RunDepth: 50.47 psia @ 3329.00 ft (KB) Start Date: 2015.12.04 End Date: Start Time: 18:13:00 End Time: TEST COMMENT: 1ST OPENING 15 MINUTES WEAK SURFACE BI 1ST SHUT-IN 30 MINUTES NO BLOW BACK 2ND OPENING 13 MINUTES- NO BLOW FLUSHE HOLE NO FINAL SHUT-IN TAKEN	Capacity: 5000.00 psia 2015.12.04 Last Calib.: 2015.12.04 22:04:00 Time On Btm: 2015.12.04 @ 19:31:00 Time Off Btm: 2015.12.04 @ 20:30:00 W FOR 12 MINUTES AND DIED TOOL GOOD SURGE NO HELP CAME OUT OF THE	
Pressure vs. Time	PRESSURE SUMMARY	
HERENE HERENE	Time Pressure (psia) Temp (deg F) Annotation 0 1666.23 99.29 Initial Hydro-static 1 47.50 98.88 Open To Flow (1) 16 46.96 98.76 Shut-In(1) 47 50.47 99.19 End Shut-In(1) 47 48.35 99.20 Open To Flow (2) 58 47.03 99.45 Shut-In(2) 59 1644.97 99.61 Final Hydro-static	
Recovery	Gas Rates	
Length (ft) Description Volume (bbl) 5.00 SLIGHTLY OIL CUT MUD 10 OIL 90 MUD 0.02	Choke (inches) Pressure (psia) Gas Rate (M	1cf/d)

	L S UNIT d	st 3.jpg				
	DRILL STEM TES	T REP	ORT			
	SHELBY RESOURCES L.L.C.		15-185	-14W BARTON		
<u>- Alesters</u>	621 17 th STREET SUITE 1155		LSU	NIT 1-15		
Camera Banda Ramana	DENVER, COLORA DO 80293		Job Tick	xet: 01202 DST#:3		
Sherre Centre Manage	ATTN: JEREMY SCHWARTZ		Test Sta	art: 2015.12.05 @ 06:43:00		
GENERAL INFORMATION:						
Formation:KANSAS CITY KDeviated:NoWhipstock:Time Tool Opened:08:56:00Time Test Ended:02:19:00	ft (KB)		Test Ty Tester: Unit No:	oe: Conventional Bottom Hole (Initial) GENE BUDIG 1		
Total Depth: 3384.00 ft (KB) (T	884.00 ft (KB) (TVD) √D) e Condition: Fair		Reference Elevations: 1934.00 ft (KB) 1923.00 ft (CF) KB to GR/CF: 11.00 ft			
1ST SHUT-IN 4				2015.12.05 @ 12:13:00 ON BUCKET IN 2 MINUTES		
2ND SHUT-IN 9 Pressure vs. 1	0 MINUTES- GOOD BLOW BACK		PRES	SSURE SUMMARY		
9130 Pressure 1759 175		Time (Min.) 0 2 16 61 63 111 197 198	(psia) (du 1710.46 10 69.94 10 83.22 10 455.53 10 118.05 10 58.71 10 349.19 10	emp eg F)Annotation901.22Initial Hydro-static00.65Open To Flow (1)00.53Shut-In(1)01.40End Shut-In(1)01.34Open To Flow (2)02.46Shut-In(2)04.22End Shut-In(2)04.29Final Hydro-static		
Recovery			!	Gas Rates		
Length (ft) Description	Volume (bbl)			Choke (inches) Pressure (psia) Gas Rate (Mcf/d)		
180.00 SLIGHLTLY MUD CUT G						
0.00 10 GAS 75 OIL 15 MUD	0.00					
180.00CLEAN GASSY OIL 20 G0.00GRAVITY 44 CORRECTE						
Eagle Testers	Ref. No: 01202		Pr	inted: 2015.12.05 @ 14:39:45		

QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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

No. 1303

Phone 785-483-2025 Cell 785-324-1041	Но	me Office	P.O. Bo	ox 32 Rus	ssell, KS 67665	No.	
Sec.	Twp.	Range		County	State	On Location	Finish
Date 12-1-15 15	18	14	10	ton	Ks		11:45 Am
	i oft		Locatio	0 0	Elevator.	- 25 to 9	otherd, 1/20
Lease	unit	ell No.	15	Owner	SIInto		
51-10	14		naive	To Quality C	ilwell Cementing, Inc	c. t cementing equipment	and furnish
Contractor STS HAR			.91	cementer ar	id helper to assist ov	vner or contractor to do	work as listed.
Type Job Sulface Hole Size 12141	T.D.	9001	0.00 100	Charge S	sheller F	Resources	
Csg. 85/8"	Depth	8961		Street			
Tbg. Size	Depth			City	35	< State	
Tool	Depth		Y 04.4	1	as done to satisfaction	and supervision of owner	agent or contractor.
Cement Left in Csg. 38	Shoe Joi	int 38	3		ount Ordered		CC 326 Gel
Meas Line	Displace	CIVIC	365	Kat Flo	-seal is	enuesed of the second	
EQUIP	and the second			Common	225	1	
Pumptrk No. Cementer Helper	ravis			Poz. Mix	150		
Bulktrk 19 No. Driver No.	K			Gel. 7			
Bulktrk P.U. No. Driver Ro	d			Calcium	5		
JOB SERVICES	S & REMAR	RKS		Hulls			
Remarks: Cement di	2	Circula	te	Salt	infection in the		h net
Rat Hole			1 - P	Flowseal			
Mouse Hole	i-ingeneration -			Kol-Seal	<u>.</u>	an an a composi-	1 all
Centralizers USed	375	SKS		Mud CLR 4	8		- <u> </u>
Baskets	and the first			CFL-117 or	CD110 CAF 38	predion and in prin	and the second
D/V or Port Collar				Sand			
				Handling	397		
New Convertor Volter Land	10150			Mileage			a separate the second
					FLOAT EQUIF	MENT	
				Guide Sho	e 5	ip on	
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				Baskets	Battle	platel	
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				Float Shoe	<u></u>		
				Latch Dow	n	·····	
	8.				W		-44
				Pumptrk C	harge Lowg	Surface	
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Customer	- 	rvice	Lease No).						
Lease		S. C	Well #	A		1		contrast.		
Field Order #	Station	J. Berli	1	Casing	Dept	h County		·	State	
Type Job	1 p	my A	fran 1	I unad I	Formation	n	Legal I	Description	14	
PIPE		PERF	ORATING DATA	FLUID	JSED	TR	EATMENT	RESUME		
Casing Size Tubing Size Shots/Ft				Acid		RATE P	PRESS	ISIP		
Depth	Depth	From	То	Pre Pad		Max		5 Min.		
/olume	Volume	From	To	Pad		Min		10 Min.	y den	
Max Press	Max Press	From	To	Frac		Avg		15 Min.		
Well Connection	Annulus Vol	From	То			HHP Used	0	Annulus P	ressure	
Plug Depth	Packer Dep	From	To	Flush		Gas Volume	Total Lo		oad	
Customer Repre	sentative	From	To Statio	on Manager	C d	Treater	DI	4 /11	-	
		Derror	11-0 20	5-10 - 3 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 2 - 2 - 2	t		Mar hi Chin	CARLEN FO		
Service Units	NIU D	18982	767/17/0 1 \ []	<u></u>						
Names	Casing	Tubing		Dete			Service Log			
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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

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