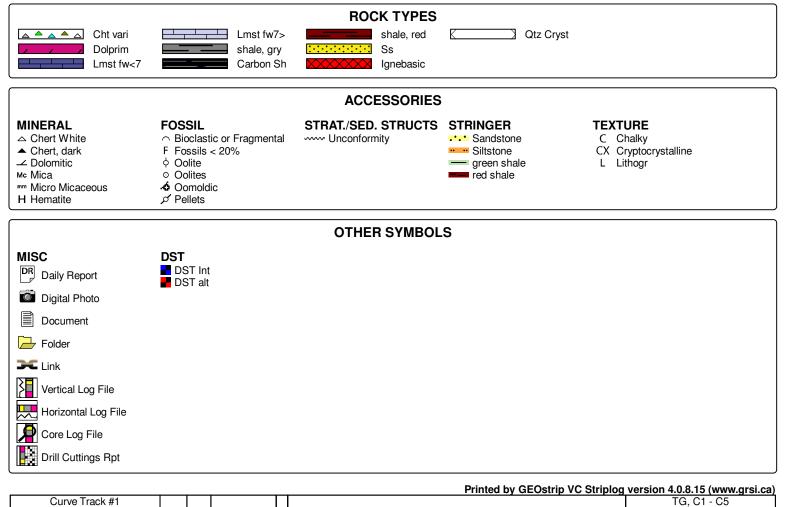
	Scale 1:240	Imperial		
Well Name: Surface Location: Bottom Location:	Stoss #1-24 499' FSL, 498' FWL, S	ec. 24-18S-14W		
API:	15-145-26148-00-00			
License Number: Spud Date:	9/6/2016	Time:	5:45 PM	
Region: Drilling Completed: Surface Coordinates:	Barton County 9/13/2016	Time:	5:02 PM	
Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1897.00ft 1908.00ft 2800.00ft 3475.00ft Arbuckle Chemical/Fresh Water	To: Gel	3475.00ft	
	OPERA	OR		
Company: Address:	Shelby Resources, LLC 621 17th St, Suite 1155 Denver, CO 80293	;		
Contact Geologist: Contact Phone Nbr: Well Name: Location: API:	Janine Sturdavant 303-907-2209 / 720-274 Stoss #1-24 499' FSL, 498' FWL, S 15-145-26148-00-00	ec. 24-18S-14W		
Pool: State:	Kansas	Field: Country:	Dist. 65 USA	
	LOGGEI	) BY		
Company: Address:				
Phone Nbr:				
Logged By:	Geologist	Name:	Keith Reavis	Bruce B. Ard
The Shelby Resources, LLC Stoss A TookeDaq Gas Detector was en	NOTE #1-24 was drilled to a to aployed in the drilling of s	tal depth of 3475', botto	ming in the Rea	agan SS/Granite Wash.
Four DST's were conducted throug found at the bottom of this log.	ghout the Toronto, Lansir	g Kansas-City, and Arb	uckle Zones. Th	ne DST reports can be
Due to positive DST results, samp through production casing. The dry Society Well Sample Library, loca	y samples were saved an			
Respectfully Submitted, Keith Reavis and Bruce B. Ard				
	CONTRAC	CTOR		
Contractor: Rig #:	Sterling Drilling Co 4			
Rig Type: Spud Date:	mud rotary 9/6/2016	Time:	5:45 PM	
TD Date: Rig Release:	9/13/2016 9/14/2016	Time: Time: Time:	5:02 PM 12:00 PM	

E	E\	///	NS

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

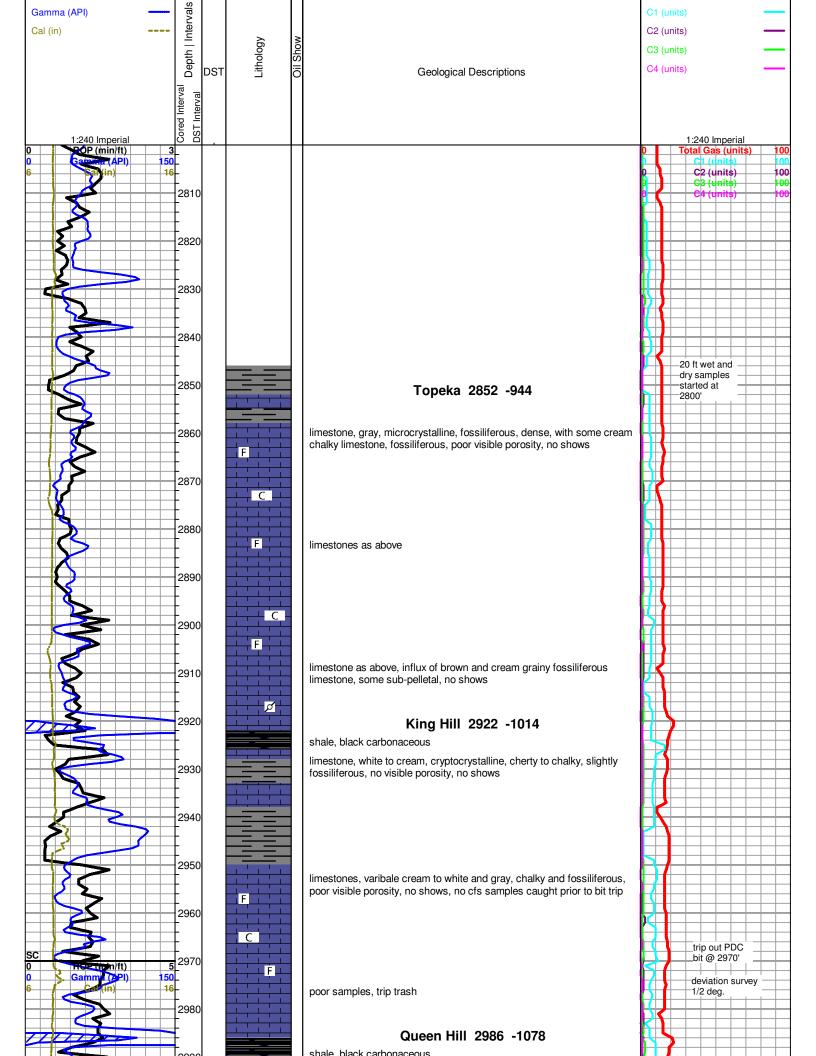
DATE	DEPTH	ACTIVITY
Saturday, September 10, 2016		geologist Keith Reavis on location @ 3000' 1145 hrs, drilling Queen Hill, Plattsmouth
		Heebner, Toronto, Douglas, Lansing, show in Toronto warrants test, TOH for DST #1
Sunday, September 11, 2016	3200	conduct and complete DST #2, successful test, drill D and F zones, conduct DST #2
		completed DST #2, successful test, reverse out, TIH w/bit, resume drilling
Monday, September 12, 2016	3371	drill to Base KC, TOH for DST #3, H-K zones, trip back in with bit, resume drilling,
		conglomerate and Arbuckle, start out of hole for DST #4, Arbuckle
Tuesday, September 13, 2016	3415	Successful Test, Resume Drilling ahead to TD, TD of 3475' reached, Conduct Logging
		Operations, Logging Operations Complete. Geologist Bruce Ard released

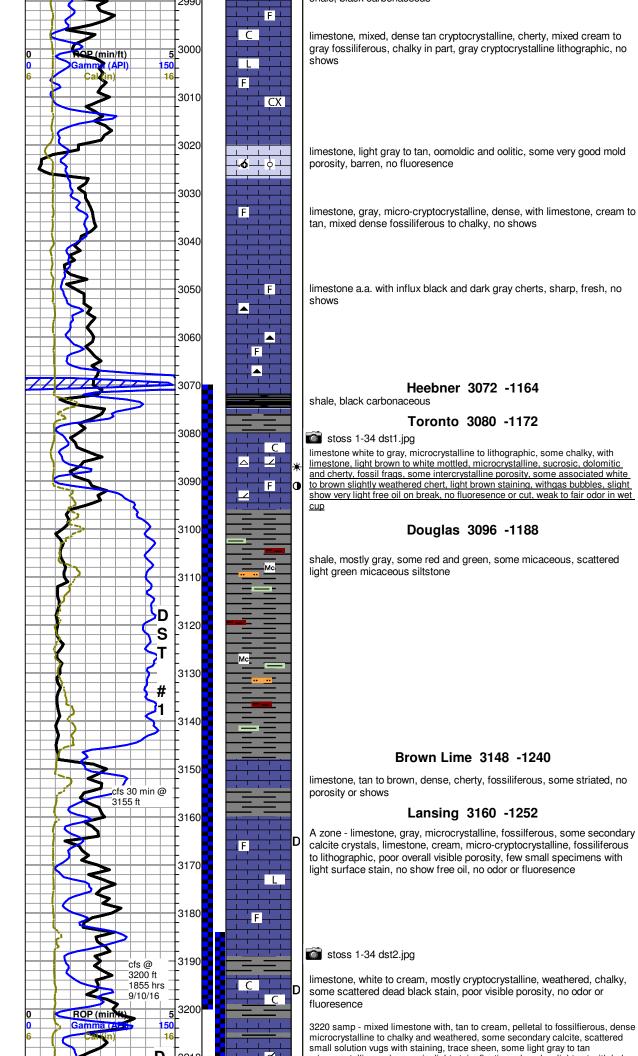
							0					OIL	- P&	A		10 - 10 10						
					5. T	KLIMA	OIL, I	NC				SMITH OIL	OPER	ATION	IS	3	12	SHELBY F	RESOL	RCES,	LLC	
						JOHN	SON #	1				MAN	ETH #	1				MCC	URRY	#1-24	și.	
	1	STOSS	5 #1-24	3	C	SW-SE-SW	24-T1	85-R1	4W		C-	NE-NW-NW	25-T	185-R	.4W			SW-NW-SE-	SE 24	-T185	-R14V	V
	КВ		1908		КВ		1:	903			КВ		1	902			КВ			1908	1	
	LOG	TOPS	SAMP	LE TOPS	COMP	. CARD	L	06	SN	IPL.	COMP	. CARD	L	DG	SN	1PL.	COMP	. CARD	L	DG	-	SMPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CC	RR.	0	RR.	DEPTH	DATUM	CC	RR.	00	RR.	DEPTH	DATUM	CC	RR.	_	CORR.
ANHYDRITE TOP	824	1084	824	1084	820	1083	+	1	+	1	822	1080	+	4	+	4	832	1076	+	8	+	8
BASE	852	1056	848	1060	850	1053	+	3	+	7	851	1051	+	5	+	9	859	1049	+	7	+	11
TOPEKA	2849	-941	2852	-944	2846	-943	+	2	1	1	2846	-944	*	3	+	0	2852	-944	+	3	+	0
HEEBNER SHALE	3067	-1159	3072	-1164	3066	-1163	+	4		1	3069	-1167	+	8	+	3	3075	-1167	+	8	+	3
TORONTO	3078	-1170	3080	-1172	3076	-1173	+	3	+	1	3082	-1180	+	10	+	8	3082	-1174	+	4	+	2
DOUGLAS SHALE	3092	-1184	3096	-1188	3092	-1189	+	5	+	1	3095	-1193	+	9	+	5	3095	-1187	+	3	<u></u>	1
BROWN LIME	3146	-1238	3148	-1240	3146	-1243	+	5	+	3	3150	-1248	+	10	+	8	3151	-1243	+	5	+	3
LKC	3156	-1248	3160	-1252	3156	-1253	+	5	+	1	3160	-1258	+	10	+	6	3162	-1254	*	6	+	2
LKC & POROSITY	3245	-1337	3249	-1341	3250	-1347	+	10	+	6	3251	-1349	+	12	+	8	3244	-1336	$\frac{1}{2}$	1		5
MUNCIE CREEK	3277	-1369	3276	-1368	3279	-1376	+	7	+	8	3278	-1376	+	7	+	8	3288	-1380	+	11	+	12
LKC H	3284	-1376	3286	-1378	3289	-1386	+	10	+	8	3288	-1386	+	10	+	8	3294	-1386	+	10	+	8
STARK SHALE	3333	-1425	3338	-1430	3336	-1433	+	8	+	3	3336	-1434	+	9	+	4	3349	-1441	+	16	+	11
BKC	3369	-1461	3370	-1462	3372	-1469	+	8	+	7	3372	-1470	+	9	+	8	3382	-1474	+	13	+	12
ARBUCKLE	3396	-1488	3396	-1488	3392	-1489	+	1	+	1	3400	-1498	+	10	+	10	3390	-1482	100	6	100	6
REAGAN 55	3422	-1514	3422	-1514	DNP						DNP		Į.				DNP	-				
RTD			3475	-1567	3402	-1499			-	68	3426	-1524			÷	43	3500	-1592			+	25
LTD	3474	-1566			3400	-1497	1	69			3426	-1524	- 25	42			3502	-1594	+	28		

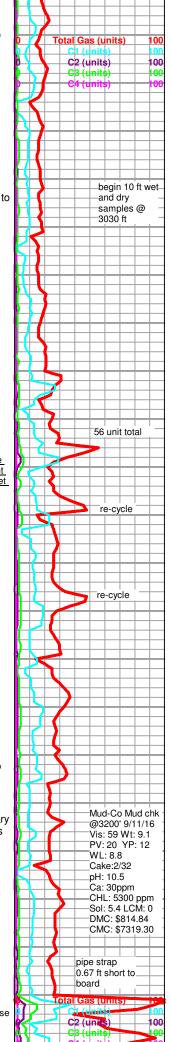


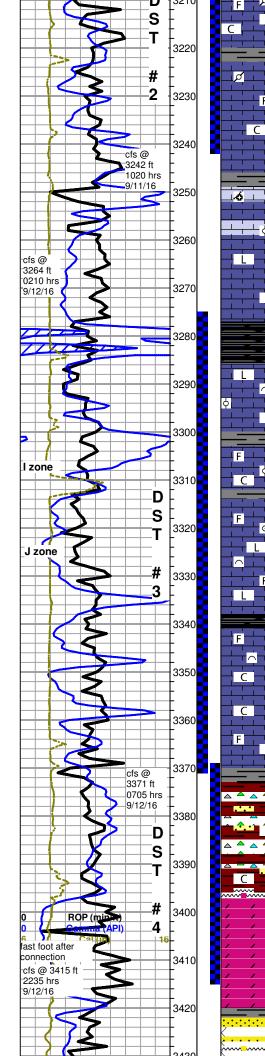
Total Gas (units)

ROP (min/ft)









microcrystalline, subsucrosic, light stain, fleeting odor, slow light cut with hald

3230 samp - mixed limestone a.a. with limestone, cream, cryptocrystalline, lithographic cryptocrystalline, dense, cherty, with small solution vugs and stained calcite filled fractures, trace light gray bioclastic, good interclast porosity and secondary calcite, light sheen, fleeting odor, light fluoresence, slow light cut with halo

limestone, gray to dark gray, cryptocrystalline, dense, fossiliferous to oolitic, trace stained vugs, limestone, white to cream, fossiliferous to pelletal, chalky, some secondary calcite, trace stain, no shows free oil, light fluoresence, slow faint cut, fleeting odor in 3240 sample, cfs samples more predominately the white and cream facies above, virtually no show, no odor

limestone, white to gray, oolitic and oomoldic, widely spaced oolites and oomolds, some scattered fair porosity, barren, some chalky, with chalky white pelletal and fossiliferous limestone

limestone, gray, brown and tan, cryptocrystalline, mostly lithographc, some slightly fossiliferous, dense, trace chalky, no shows

### Muncie Creek 3276 -1368

shale, black carbonaceous

F

 $\sim$ 

¢

0

F

F

C

n

a

limestone, a.a. with trace brown and gray oolitic and bioclastic, very dense, recrystallized, poor visible porosity, no shows

#### 🔘 stoss 1-34 dst3.jpg

3320 sample, limestone, white to cream, cryptocrysrtalline, fossilifeorus, chalky, few pieces oolitic with inter-oolite porosity, some secondary calcite nodules, light grayish/black inter-oolite stain, no show oil, light fluoresence, 1 piece good bright white milky cut, others poor, no odor in wet cup, some chalk

limestone, mixed brown, tan and gray, lithographic to fossiliferous, some oolitic and bioclastic, some secondary calcite crystals and seams, all dense with poor porosity, found 2 pieces with light staining, no free oil, light fluoresence, no cut, no odor

# Stark Shale 3338 -1430

grayish/black shale limestones, mixed, gray to cream, white and tan, fossiliferous to bioclastic, abundant lithographic, dense to chalky, poor visible porosity, no shows

grading to white and cream chalky limestone, fossiliferous, poor visible porosity, some secondary calcite crystals, few pieces with very light staining, trace sheen on break, light fluoresence, slow fair cut with halo, no odor in wet cup

## Base KC 3370 -1462

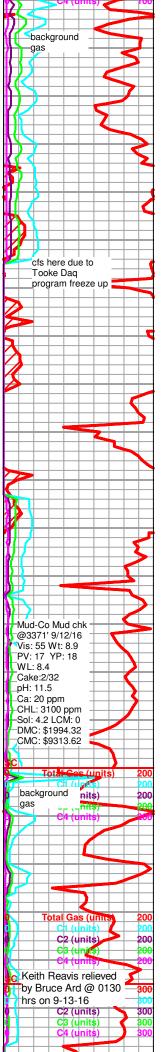
starting 3390 sample - conglomerate, red shales, red to yellow and light gray cherts, fossiliferous to oolitic, sharp, fresh, translucent, no shows, heavy red wash, abundant chalk

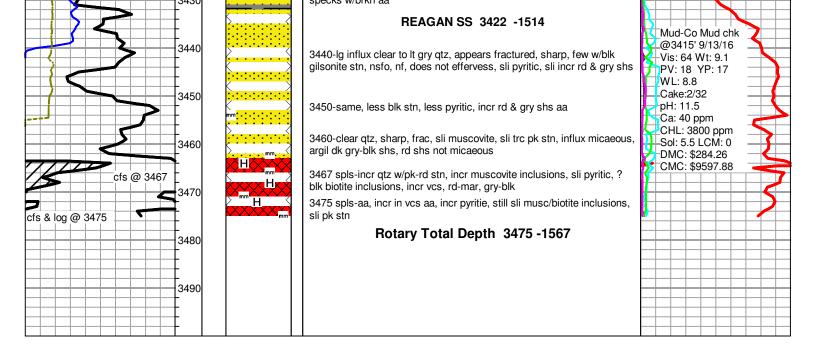
# Arbuckle 3396 -1488

Stoss 1-34 dst4.jpg

3410 sample - dolomite, white, fine to microcrystalline, recrystallized rhombs, trace chert, poor visible intercrystalline porosity, fairly dense, black flakey gilsonite staining, trace light brown staining, few pieces that bled small heavy oil globules, gassy, poor fluoresence, very poor cut, weak sulfur odor - cfs samples a.a., influx abundant white cryptocrystalline rhombic, very dense, no visible porosity, barren, fair white fluoresence, odor a.a.

dolomite, wht, fxtaln, sli rextalzed, dse, trc glauc, pvis, por, ns noted, few wht, f-md rextalzed rhombs w/blk gilsonite stn, some with blk hvy fo





DRILL STEM TEST REPORT       SHELBY RESOURCES LLC       217 CANAL BLVD SUITE C AVS, KANSAS 67601     STOSS 1-24       Job Ticket: 01127     DST#:1       ATTO CANSING A-8       Deviated: Norme Tool Opened: 00:00:00     Test Type: Conventional Bottom Hole (hitst) Tester: GENE BUDG       Interval: 3070.00 ft (KB) TO 3200.00 ft (KB) (TVD) Total Loppin: 3200.00 ft (KB) (TVD)     Reference Elevations: 1908.00 ft (KB) Total Loppin: 3200.00 ft (KB) (TVD)       Serial # 9139 Outside     Capacity: 5000.00 psin 1897.00 ft (KB) Total Loppin: 2016.09.08 End Date: 2016.09.09 End Date: 2016.09.09 End Date: 2016.09.09 (D 141.30)       Serial # 9139 Outside     Capacity: 5000.00 psin 22:19:30 Time Of Bim: 2016.09.08 (D 2:19:30)       Press@RunDepth: 925.22 psin @ 3194.96 ft (KB) Sant Time: 2016.09.08 End Date: 2016.09.09 (D 141.30)       Stick Colspan="2">Stick Colspan= 2016.09.09 (D 141.30)       Time Of Bim: 2016.09.08 (D 2:19:30)       Time On Physics Gov Multites KAR BLOW BULL TO 6 1/2 INCHES INTO THE WATER END Delay: 2016.09.08 (D 141.30)       Time Of Bim: 2016.09.08 (D 2:19:30)       Time Of Bim: 2016.09.08 (D 2:19:30)       Time Of Bim: 2016.09.08 (D 2:19:30)       Time Of Bim: 2		stoss 1-34	dst1.jpg			
2717 CANAL BLVD SUITE C HYS,KANSAS 57601   STOSS 1-24 Job Ticket: 01127   Job Ticket: 01127   DST#:1     ATTN:   KEITH REAVIS   Test Start: 2016.09.11 @ 11:15:00     CENERAL INFORMATION:   Formation: Tomotol Openacio 2000.00   Test Type:   Conventional Bottom Hole (Initial) Test: C Test Start: 2016.09.01 @ 1098.00 ft (KB) Test: GBNE BUDG     Time Test Ended:   Unit Ne:   1-13     Interval:   3070.00 ft (KB) To Total Depint:   220.00 ft (KB) TO TOBS: 2016.09.08   Reference Elevations: Total Depint:   1908.00 ft (KB) TOBS: 2016.09.09     Sint Date:   2016.09.08   End Date: ED Total W:   2016.09.09   Last Calls:: Time Of Birm:   2016.09.09 gt (A1:30)     TEST COMMENT:   151 OPENNG 10 MINUTES AR BLOW BULL TO 5 1/2 ROHES INTO THE WATER ES 2ND SHUTEN 09 MINUTES: SOCID BLOW BULL TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES 2ND OPENNG 60 MINUTES: SOCID BLOW BACK   Time of Birm: 2016.09.09 gt (A1:30)     TeST COMMENT:   151 OPENNG 10 MINUTES NEAR BLOW BULL TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES 2ND OPENNG 60 MINUTES: VOLVB ACK   113.31   Minital Yor's static     Test:   150 OPENNG 60 MINUTES: VOLVB ACK   113.31   Minital Yor's static   113.31   Minital Yor's static     Test:   150 OPENNG 60 MINUTES:   150 MINUTES   113.31   Minit		DRILL STEM TES	T REP	ORT		
HAYS,KANSAS 67601   Job Ticket: 01127   DST#:1     ATTN: KETTH REAVIS   Test Start: 2016.09.11 @ 11:15:00     GENERAL INFORMATION:   Formation:   TORONTO LANSING A-B     Deviated:   No   Whipstock:   ft (KB)     Time Test Ended:   Interval:   3070.00 ft (KB) To 3200.00 ft (KB) (TVD)   Test Type:   Conventional Bottom Hole (Initial)     Total Depth:   3200.00 ft (KB) To 3200.00 ft (KB) (TVD)   Test Type:   Conventional Bottom Hole (Initial)     Total Depth:   3200.00 ft (KB) To 3200.00 ft (KB) (TVD)   Test Type:   Conventional Bottom Hole (Initial)     Total Depth:   3200.00 ft (KB) (TVD)   1997.00 ft (CF)   Hole Sametric     Serial #: 9139   Outside   Serial #: 9130   Outside   Somothy:   5000.00 psia     Press@RunDepth:   925.22 psia @ 3194.96 ft (KB)   Capacity:   5000.00 psia   Sametric     Start Date:   2016.09.00 End Time:   03:25:30   Time On Bim:   2016.09.08 @ 22:19:30     Time:   20:05:00 End Time:   03:25:30   Time On Bim:   2016.09.09 @ 01:41:30     TEST COMMENT:   1ST OPENING ON MUNTES GODE BLOW BULL TO 6 12 NOHES INTO THE WATER   Test Type:   Testype:     2ND SHU		SHELBY RESOURCES LLC				
Job IRSE: 01127 US IR:1   ATTN: KETTH REAVIS Test Start: 2016.09.11 @ 11:15:00   GENERAL INFORMATION:   Formation: TORONTO LANSING A-B   Deviated: No Whipstock: ft (KB)   Test Forded:   Unit No: Test Ended:   Unit No: Test Ended:   Interval: 3070.00 ft (KB) (TVD)   Hole Diameter: 7.88 inchesHole Condition: Poor KB to GR/CF: 1100 ft   Sign Charles Hole Condition: Poor   KB to GR/CF: 1100 ft Soft AB: 2016.09.09 Last Calib.: 2016.09.01   Soft AB: 2016.09.09 Capacity:: 5000.00 psia   Sign Charles Hole Condition: Poor KB to GR/CF: 1100 ft   Soft Colspan="2">Soft Colspan="2">Soft Colspan="2">Conventional Bottom Hole (Initial)   Test Ended: Unit No: Test Ended:   1000 00 ft (KB) TO 3200.00 ft (KB) (TVD) Reference Bevations:: 1908.00 ft (KB)   Soft Colspan="2">Conventional Bottom Hole (Initial)   Soft Colspan="2">Convertion:						

	stoss 1-34	dst2.jpg					
	DRILL STEM TES	TREP	ORT				
	SHELBY RESOURCES LLC		24-	18s-14w	BAR	TON	
<u>lesters</u>	2717 CANAL BLVD SUITE C		STO	OSS 1-24	4		
Great Bent Romers	HAYS,KANSAS 67601		Job Ticket: 01128 <b>DST#:2</b>				
	ATTN: KEITH REAVIS		Test	Start: 20	16.09.	11 @ 13:10:00	)
GENERAL INFORMATION:							
Formation:LANSING DAND FDeviated:NoWhipstock:Time Tool Openee:14:27:UTime Test Endee:00:00:U	ft (KB)		Test Test Unit	er: G	Conver GENE E -19	ntional Bottom I 3UDIG	Hole (Initial)
Interval:3184.00 ft (KB) To3Total Depth:3242.00 ft (KB) (THole Diameter:7.88 inches Hole			Refe	erence Elev KB to	vations	1897.0	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 9139     Outside       Press@RunDepth:     749.57 psia       Start Date:     2016.09.11       Start Time:     13:10:00	_	2016.09.11 21:25:00	Capacity: Last Calib Time On I Time Off	o.: Btm: 2		5000.( 2016.09. 9.11 @ 14:27:( 9.11 @ 17:54:(	00
2ND OPENING 2ND SHUT-IN	45 MINUTES-GOOD BLOW BACK 60 MINUTES-STRONG BLOW WITH 90 MINUTES-GOOD BLOW BACK		RFACE SEE G	AS FLOW	REPO	RT	
Pressure vs. 1	Fine 9139 Temperature	Time					
11 Sun Sp 2005	110 100 100 100 100 100 100 100 100 100	Time (Min.) 0 1 10 56 57 117 206 207	Pressure (psia) 1609.85 200.57 196.59 895.61 255.49 494.61 749.57 1499.74	105.75 107.04 107.28 107.11 108.22 109.89	Initial Open Shut-I End S Open Shut-I End S	Shut-In(1) To Flow (2)	
Recovery				Gas	Rate	es	
Length (ft) Description	Volume (bbl)			Choke (in	iches)	Pressure (psia)	Gas Rate (Mcf/d)
1800.00 CLEAN GASSY OIL 40 (		First Ga			.13	49.17	18.40
0.00 GRAVITY 37 CORRECT	ED 0.00	Last Ga Max. Ga			.13 .13	2.45 49.17	0.92
				Ļ			
<u>↓</u>				Printed: 2			

Ref. No: 01128

Printed: 2016.09.11 @ 21:38:26

	stoss 1-34	dst3.jpg					
	DRILL STEM TES	T REP	ORT				
	SHELBY RESOURCES LLC		24-	18s-14w	BART	ON	
<u>- 21esters</u>	2717 CANAL BLVD SUITE C		ST	OSS 1-2	4		
amas Bond Ramas	HAYS, KANSAS 67601		Job	Ticket: 01	129	DST#:	: 3
	ATTN: KEITH REAVIS		Tes	t Start: 20	016.09.12	2 @ 09:41:00	
GENERAL INFORMATION:							
Formation:LANSING H TO KDeviated:NoWhipstock:Time Tool Opened:11:12:00Time Test Ended:00:00:00	ft (KB)		Tes	ter: (	Conventio GENE BU 1-19	onal Bottom H DIG	ole (Initial)
Total Depth: 3371.00 ft (KB) (T	8 <b>71.00 ft (KB) (TVD)</b> √D) ∋ Condition: Fair		Ref	erence Ele KB t	evations: :o GR/CF:	1897.00	0 ft (KB) 0 ft (CF) 0 ft
Serial #: 9139OutsidePress@RunDepth:974.40 psiaStart Date:2016.09.12Start Time:09:41:00TEST COMMENT:1ST OPENING	End Date: End Time:	2016.09.12 16:35:00 O THE BOTTO	Capacity Last Cali Time On Time Off DM OF A 5 G	b.: Btm: 2 Btm: 2	2016.09.1	5000.00 2016.09.12 12 @ 11:09:30 12 @ 14:35:00	2
1ST SHUT-IN 2ND OPENING	45 MINUTES- NO BLOW BACK 60 MINUTES-STRONG BLOW BUIL T 90 MINUTES-GOOD BLOW BACK G		OF THE BUC FACE ON TH	KET IN LES	SS THAN	1 MINUTE	
9139 Pressure	9139 Temperature	Time	Pressure	Temp			
E 20 E	110 100 100 100 100 100 100 100 100 100	(Min.) 0 10 55 55 115 204 206	(psia) 1633.26 118.26 115.64 1090.41 150.76 199.59 974.40 1601.29	(deg F) 106.28 105.93 106.00 107.39 107.14 108.93 111.46	Initial Hy Open To Shut-In( End Shu Open To Shut-In( End Shu	vdro-static o Flow (1) (1) ut-In(1) o Flow (2) (2)	
Recovery				Ga	s Rates		
Length (ft) Description				Choke (i	nches) Pre	essure (psia)	Gas Rate (Mcf/d)
45.00 CLEAN GASSY OIL GRA	1.27						
0.00 5 GAS 25 OIL 70 MUD	0.00						
180.00 MUDDY FROTHY OIL 15							
Eagle Testers	Ref. No: 01129			Drintad	2016.00	.12 @ 16:59:5	

Ref. No: 01129

	stoss 1-34	dst4.jpg				
	DRILL STEM TES	T REP	ORT			
		24-	18s-14w	BARTO	N	
<u> </u>		STOSS 1-24				
Great Bend, Kanzas		Job Ticket: 01130 DST#:4				
	ATTN: KEITH REAVIS		Tes	t Start: 20	016.09.13 @	@ 01:52:00
GENERAL INFORMATION:	•					
Formation:ARBUCKLEDeviated:NoWhipstock:Time Tool Opened:00:00:00Time Test Ended:00:00:00	ft (KB)		Tes Tes Unit	ter:	Convention GENE BUDI 1-18	nal Bottom Hole (Initial) IG
Interval: 3369.00 ft (KB) To 3			Ref	erence Ele	evations:	1908.00 ft (KB)
Total Depth:3415.00 ft (KB) (1Hole Diameter:7.88 inches Ho	le Condition: Fair			KB t	to GR/CF:	1897.00 ft (CF) 11.00 ft
Serial #: 9119InsidePress@RunDepth:689.89 psiaStart Date:2016.09.13Start Time:01:50:00TEST COMMENT:1ST OPENING	End Date: End Time:	2016.09.13 07:35:30 Æ BLOW THF	Capacity Last Calil Time On Time Off	b.: Btm: 2		5000.00 psia 2016.09.13 3 @ 03:25:00 3 @ 05:52:30
1ST SHUT-IN	45 MINUTES NO BLOW BACK 30 MINUTES NO BLOW 60 MINUTES NO BLOW BACK	1		RESSUF		IARY
9119 Pressure	9119 Tempendure	Time	Pressure	Temp	Annotat	
	110	(Min.) 0	(psia) 1657.83	(deg F) 108.61	Initial Hyd	ro-static
	- 100	1 10	49.22 52.52	108.22 108.14	Open To I Shut-In(1)	.,
		54	948.44	109.27	End Shut-	- <b>i</b> n(1)
	90 per tra	54 87	54.24 57.97	108.99 109.88	Open To I Shut-In(2)	
		147	689.89	111.73	End Shut-	- <b>I</b> n(2)
	77	148	1621.36	111.82	Final Hydi	ro-static
34M 13 Tue Sep 2016 Time (Hours	0444 )					
Recovery				Ga	s Rates	
Length (ft) Description	Volume (bbl)			Choke (i	inches) Press	sure (psia) Gas Rate (Mcf/d)
10.00 OIL CUT MUD 85 MUD 1 1.00 CLEAN OIL	5 OIL 0.05 0.00					
↓						

Eagle Testers

Ref. No: 01130

Printed: 2016.09.13 @ 07:51:51