KOLAR Document ID: 1417125

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	SecTwpS. R □East □ West
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx) Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
□ Oil □ WSW □ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	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.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	Leading of field Paragraph Charles and Market
EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Canad Date on Date Decembed TD Completing Date on	Quarter Sec TwpS. R
Spud Date or Date Reached TD Completion Date or 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 Approved by: Date:

KOLAR Document ID: 1417125

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:								
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	STOSS 2-24
Doc ID	1417125

All Electric Logs Run

Dual Induction
Compensated Neutron
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Shelby Resources LLC
Well Name	STOSS 2-24
Doc ID	1417125

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	856	60/40 Poz	2% gel/4% cc
Production	7.875	5.5	4	3481	AA2	2% gel/3% cc



Lease: Stoss #2-24

LLC

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Job Number: 159

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT

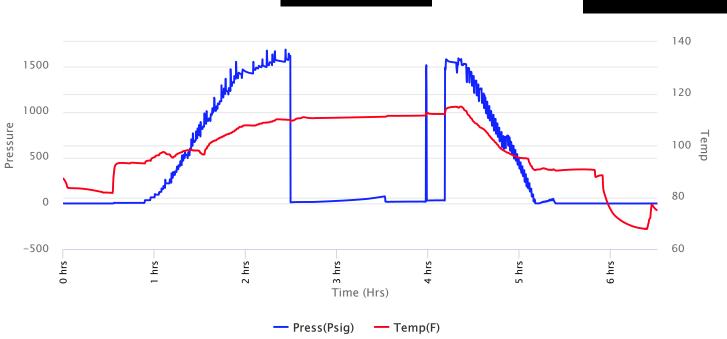
May **26** 2018

DST #1 Formation: Lansing Test Interval: 3216 - Total Depth: 3270'

Time On: 00:26 05/26 Time Off: 06:46 05/26

Time On Bottom: 02:52 05/26 Time Off Bottom: 04:27 05/26

Electronic Volume Estimate: 15' 1st Open Minutes: 15 1" at 15 min 1st Close Minutes: 45 0" at 45 min 2nd Open Minutes: 30 0" at 30 min 2nd Close N/A





Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT

Job Number: 159

DATE May 26

2018

DST #1 Formation: Lansing Test Interval: 3216 -

Total Depth: 3270'

3270'

Time On: 00:26 05/26

Time Off: 06:46 05/26

Time On Bottom: 02:52 05/26 Time Off Bottom: 04:27 05/26

Recovered

BBLS Foot 10 0.0548 Description of Fluid **SLOCM**

Oil % Gas % 0

Water % 0

Mud % 99

Total Recovered: 10 ft

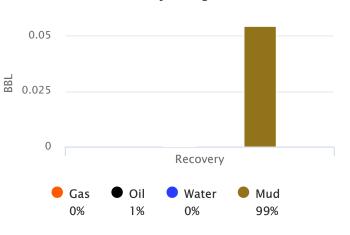
Total Barrels Recovered: 0.0548

Reversed	d Out
NO	

Initial Hydrostatic Pressure	1559	PSI
Initial Flow	11 to 15	PSI
Initial Closed in Pressure	77	PSI
Final Flow Pressure	16 to 34	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	1550	PSI
Temperature	113	°F
Pressure Change Initial	100.0	%
Close / Final Close		

Recovery at a glance

1





Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65

Pool: WILDCAT Job Number: 159

DATE

May **26**

2040

2018

DST #1 Formation: Lansing Test Interval: 3216 - Total Depth: 3270'

Time On: 00:26 05/26 Time Off: 06:46 05/26

Time On Bottom: 02:52 05/26 Time Off Bottom: 04:27 05/26

REMARKS:

If: wsb built to 1" in 15min

Ic: nobb

Ff: no build flush tool 25min in gd flush pulled out 35 min in

Fc: na

Tool sample: 1o - 99m



Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65

Pool: WILDCAT Job Number: 159

DATE May 26 2018

Test Interval: 3216 -**DST #1** Formation: Lansing Total Depth: 3270'

3270'

Time On: 00:26 05/26 Time Off: 06:46 05/26

Time On Bottom: 02:52 05/26 Time Off Bottom: 04:27 05/26

Down Hole Makeup

Heads Up: 26.49 FT Packer 1: 3211 FT

Drill Pipe: 2995.31 FT Packer 2: 3216 FT

ID-3 1/4 Top Recorder: 3200.42 FT

Weight Pipe: FT **Bottom Recorder:** 3253 FT

ID-2 7/8

Well Bore Size: 7 7/8 Collars: 214.61 FT

Surface Choke: 1" ID-2 3/8

Bottom Choke: 5/8" **Test Tool:** 33.57 FT

Jars

Safety Joint

ID-3 1/2-FH

Total Anchor: 54

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 2 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 32 FT

ID-3 1/4

Change Over: .5 FT

Perforations: (below): 18 FT

4 1/2-FH



LLC

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65

Pool: WILDCAT Job Number: 159

May 26 2018 DST #1 Formation: Lansing Test Interval: 3216 - Total Depth: 3270'

3270'

Time On Bottom: 02:52 05/26 Time Off Bottom: 04:27 05/26

Mud Properties

Mud Type: Chemical Weight: 8.9 Viscosity: 51 Filtrate: 8.4 Chlorides: 3500 ppm



LLC

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65

Pool: WILDCAT Job Number: 159

DATE May 27 2018

DST #2 Formation: Arbuckle Test Interval: 3375 -

Total Depth: 3418'

3418'

Time On: 00:45 05/27 Time Off: 08:38 05/27

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

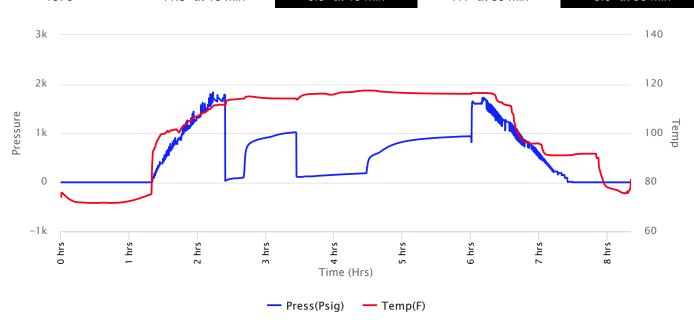
Electronic Volume Estimate: 1376'

1st Open Minutes: 15 41.8" at 15 min

1st Close Minutes: 45 3.5" at 45 min

2nd Open Minutes: 60 111" at 60 min

2nd Close Minutes: 90 8.6" at 90 min





LLC

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65

Pool: WILDCAT Job Number: 159

DATE	
May	
27	
2018	

DST #2 Formation: Arbuckle Test Interval: 3375 -Total Depth: 3418' 3418'

Time On: 00:45 05/27 Time Off: 08:38 05/27

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

Recovered

<u>Foot</u>	BBLS	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
1197	12.282417	G	100	0	0	0
414	3.51842559	Ο	0	100	0	0
62	0.33976	SLGCSLWCSLMCO	10	60	11	19

Reversed Out

NO

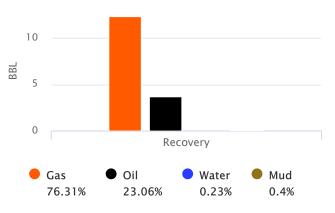
Total Recovered: 1673 ft Total Barrels Recovered:

Close / Final Close

16.14060259

Initial Hydrostatic Pressure	1694	PSI
Initial Flow	28 to 93	PSI
Initial Closed in Pressure	1019	PSI
Final Flow Pressure	109 to 184	PSI
Final Closed in Pressure	938	PSI
Final Hydrostatic Pressure	1657	PSI
Temperature	118	°F
Pressure Change Initial	8.0	%

Recovery at a glance





Formation: Arbuckle

LLC

DST #2

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Job Number: 159

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT

May 27 2018

Time On: 00:45 05/2

Test Interval: 3375 - 3418'

Total Depth: 3418'

3410

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

REMARKS:

If: 3/4" Bob in 5.5min Ic: built to 3.5" in 10min Ff: 1" Bob in 5.5min Fc: built to 8" in 30min

Tool sample: 7g - 45o - 11w - 37m

Gravity: 43.8 @ 60 degrees F

Ph: 7

RW: .41 @ 75 degrees F

Chlorides: 16000 ppm



Lease: Stoss #2-24

LLC

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT Job Number: 159

May 27 2018 DST #2 Formation: Arbuckle Test Interval: 3375 - Total Depth: 3418'

3418'

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

Down Hole Makeup

Heads Up: 26.65 FT **Packer 1:** 3370 FT

Drill Pipe: 3154.47 FT **Packer 2:** 3375 FT

ID-3 1/4 **Top Recorder:** 3359.42 FT

Weight Pipe: FT Bottom Recorder: 3378 FT

Collars: 214.61 FT Well Bore Size: 7 7/8

ID-2 3/8 Surface Choke: 1"

Test Tool: 33.57 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Jars Safety Joint

Total Anchor: 43

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: FT

Drill Pipe: (in anchor): FT

ID-3 1/4

Change Over: FT

Perforations: (below): 41 FT

4 1/2-FH



LLC Lease: Stoss #2-24 SEC: 24 TWN: 18S RNG: 14W

Total Depth: 3418'

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT Job Number: 159

DATEMay **27**2018

DST #2 Formation: Arbuckle Test Interval: 3375 -

3418'

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

Mud Properties

Mud Type: Chemical Weight: 8.7 Viscosity: 72 Filtrate: 9.2 Chlorides: 7300 ppm



LLC

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT Job Number: 159

DATEMay **27**

2018

DST #2 Formation: Arbuckle Test Interval: 3375 - Total Depth: 3418'

3418'

Time On: 00:45 05/27 Time Off: 08:38 05/27

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

Gas Volume Report

1st Open								
Time	Orifice	PSI	MCF/D					

	2nd Open									
Time	Orifice	PSI	MCF/D							

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. 775

0011700 021 1011		
Date 5-23-18 Sec. Twp. Range Roll Roll Roll Roll Roll Roll Roll Rol	County State On Location	Finish
Date	7701 10	7. 2011.
	100 181 + 4 5ct - 5 around 2	nd Cure
Lease Stops Well No. 224 Contractor Stocking #4	Owner 725 , E 15 To Quality Oilwell Cementing, Inc.	
	You are hereby requested to rent cementing equipment a cementer and helper to assist owner or contractor to do were the co	and furnish
Type Job Justano V Hole Size 2 Vui T.D. 860	Charge ()	work as listed.
75/11	To sheldy hesaurces	
	Street	
Tbg. Size Depth	City State	
Tool Depth Cement Left in Csq. 42' Shoe Joint 42'	The above was done to satisfaction and supervision of owner as	
5:21 O.	Cement Amount Ordered 350 60140 40/200	2/w Gol
Meas Line Displace 5\3/4 BCS EQUIPMENT	2112	
No Cementer N	Common 2/0	
Pumptrk Helper UCCO1d	Poz. Mix /40	890 90 Au 23
Bulktrk 13 Driver UDUS	Gel. /	
Bulktrk DiU, Driver Kick	Calcium / J	
JOB SERVICES & REMARKS	Hulls	
Hemarks: Clynient olid Circulate	Salt	
Rat Hole	Flowseal	
Mouse Hole	Kol-Seal	
Centralizers	Mud CLR 48	
Baskets	CFL-117 or CD110 CAF 38	
D/V or Port Collar	Sand	
	Handling 58 3/2	will de la constant de
	Mileage	
	FLOAT EQUIPMENT	
	Guide Shoe - Weld on	255
	Gentralizer Kubber plucy	
	Baskets Bouffle place	
	AFU Inserts	
	Float Shoe	
	Latch Down	*#
		· ·
	Pumptrk Charge Long Surface	
	Mileage / S	
	Tax	
V	Discount	
Signature Kinny St. Malegy	Total Charge	



TREATMENT REPORT

Lease Field Order# Station Casing Depth County State	Customer	relby	VP e Sou	16-5	Lease No.					Date	+	and go				
Type Job PIPE DATA PERFORATING DATA FLUID USED TREATMENT RESUME Casing Size Tubing Size Shots/Ft Acid RATE PRESS ISIP Depth Depth From To Pre Pad Max Volume From To Pad Min 10 Min. 10 Min. Max Press Max Press From To Frac Avg 15 Min. Well Connection Annulus Vol. From To Flush Gas Volume Total Load Customer Representative Service Units Driver Names Time Pressure Bbls. Pumped Rate Service Log RATE PRESS ISIP Max From To Pre Pad Min 10 Min 10 Min. 10 Min. 11 Min. 12 Min. 13 Min. 14 Min 15 Min. 16 Min To Flush Gas Volume Total Load Treater	Lease	5+05	5		Well# 2.24						5-28-18					
PIPE DATA PERFORATING DATA PERFORATING DATA FLUID USED TREATMENT RESUME Casing Size Tubing Size Tubing Size Shots/Ft Acid RATE PRESS ISIP Depth From To Pre Pad Max Volume Volume Volume From To Pad Min 10 Min. Max Press Max Press From To Frac Avg 15 Min. Well Connection Annulus Vol. From To Flush Gas Volume Treater Treater Service Units Driver Names Time Casing Tubing Pressure Bbls. Pumped Rate Service Log	Field Order #	Station	Pia				Casing	Depth	3490	Count	1 BAI	701		State		
Casing Size Tubing Size Shots/Ft Acid RATE PRESS ISIP Depth Depth From To Pre Pad Max 5 Min. Volume 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 Packer Depth From To Flush Gas Volume Total Load Customer Representative Station Manager Treater Service Units 7 Max Press Pressure Bbls. Pumped Rate Service Log	Type Job	2-42	5	, 10	19 5	1110	9 .	Formation			Le	gal Desc	ription	18-14		
Depth Depth From To Pre Pad Max 5 Min. Volume 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 Packer Depth From To Flush Gas Volume Total Load Customer Representative Station Manager Treater Service Units Sorvice Units Time Casing Tubing Pressure Pressure Pressure Pressure Pressure Pressure Bbls. Pumped Rate Service Log	PIPE	DATA	PER	FORATING	3 DATA	FLUID US	SED	TREATMENT RESUME								
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Volume 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 Packer Depth From To Flush Gas Volume Total Load Customer Representative Station Manager Service Units 7 Manager Treater Service Units 7 Manager Pressure Bbls. Pumped Rate Service Log Plug Depth Packer Depth From To Flush Gas Volume Total Load Treater Plug Depth Packer Depth From To Flush Gas Volume Total Load Treater Plug Depth Packer Depth From To Flush Gas Volume Total Load Customer Representative Service Units 7 Manager Pressure Bbls. Pumped Rate Service Log Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Pressure Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressure Pressure Pressure Pressure Pressure Pressure Pressure Pressure Bbls. Pumped Rate Pressure Pressur	Depth	Depth	From	То		Pre I		C B	May 5 Min							
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Plug Depth Packer Depth From To Flush Gas Volume Total Load Customer Representative Service Units 759 1980 7999 198	Max Press	Max Press	From	То		Frac			Avg				15 Min.			
Customer Representative Service Units Driver Names Time Pressure Pressure Bbls. Pumped Rate Service Log Run 5/4 2 3 4 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Well Connection	n Annulus V	ol. From	То					HHP Used	d		1	Annulus F	ressure		
Service Units 6335 78482 86779 70959 19802 Driver Names Time Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Tubing Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Tubing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Run 51/2 (ASUS - 21.98 54) Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Casing Pressure Pressu	Plug Depth	Packer De	pth From	То		Flusi	า		Gas Volun	ne			Total Load	1		
Driver Names Casing Tubing Pressure Bbls. Pumped Rate Service Log Run 5/h (Aury - 71.98 / 54) Casing Pressure Pressure Bbls. Pumped Rate Run 5/h (Aury - 71.98 / 54) Casing Pressure Pressure Bbls. Pumped Rate Pumped Service Log Pumped Serv	Customer Rep	resentative	Como	HAIN	Station	Mana	ger w	\$ 100 m	1 a.	Trea	ater MA	774				
Names Time Casing Tubing Pressure Bbls. Pumped Rate Service Log Casing Pressure Pressure Pressure Bbls. Pumped Rate Service Log Casing Pressure Pressure Pressure Bbls. Pumped Pressure Pressu	Service Units	6331	•	76982	567	19		70959	19862							
Time Pressure Pressure Bbls. Pumped Rate Service Log 12.00	Driver Names			MEG	raw			50	L, M					a.		
110 Run 5/2" casing - 21.98' 540 1 110 Run 5/2" casing - 21.98' 540 1 110 Run 5/2" casing - 21.98' 540 1 110 Run 1,3 5,7,9 Rasvicus 540 Cong on 15 1700 Hour 10 cong/15/ear circ w. Rig 4:47 230 5 Pump 5 hbl water	Time			Bbls. Pu	mped	F	Rate				Service L	og				
7:40 1 5 1 5 Pump 5 161 WATER THIRD 1,3,5,7,9 KASVI ON Shield CSNg ON 15,7701 HOUR TO CSNg/1510AK CITE W. Rig 4:47 230 5 Pump 5 161 WATER	12:05						1	011	OCATI	07	1 SAI	Hry	140	Tin)		
2:50) (Sng on 15,774) Hour to constitute w. Kig 4:47 230 5 Pump 5 bbl water	110	1						Run	51/1	Col	919-	71.9	8'5	40		
4:47 230 / 5 Pump 5 hbl warr						/		Turbo.	1,3,	5,7	, 9	KASE	1 0	Shoe		
4:47 230 / 5 Pump 5 bbl warr	7,40		Green Children					C509	01	150	No.					
	+2:50		e (notice of the	/				HOUR	10	(5n	1/13/19	OAK	Circ	W. Kiy		
4.50 200 11 4 MIX 50 50 Scaring	4:47	240		1 5		5		Pump	5 /	761	WAT	1				
	4:50	200	4	Approximate the second		-5		MIX	50	31	50	10-19	1			
4:53 173 \ 24 5 M. X 100 SK. AA.Z	4:53	175		21	r)	47		M.X	100	50	', A	A-2				
5:00) U. 4 WASH PUMP + LINE / BLOR PING.	5:00	CONTACT CONTAC		U		-					LINE	Dio	PPO	ny .		
5:05 130 - 6 STAIR DEPLACEMENT	5:05	130		man.		<u>(</u>		-100								
5.17 210 60 6 Lili Prossu	5.17		Control of the Contro			6	3	Lili	P1.50	yla				×		
5:19 400) 74 3 Slum RANG	511		na editional transport				5						1			
5:23 1,500 84.4 Plug down, 1 drago + held	5.45	4,382	West of the second seco	84	. V									10		
5:35 Plug RAT + Mouse hore	7.35							Plus	KAT	11	4777	-he	1/4			
			•													
										Santa dans	1					
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Mille Midtell			1								3		1 Amount	7		
Mile + John									ľ	Ale	+]	ha				
10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383	10244	NE Hiw	av 61 d	PO Box	8613	Pra	tt KS 67	7124-861	3 • (620	n) 67	2-1201-0	Fay	(620) <u>(</u>	\$72 - 5383		

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. 839

Date (0-6-18	Sec.	Twp.	Range	D	County	State K 5	On Location	Finish 10.30 km
				Location	12 0		2 lels	1.0. 20 pm
Lease Stoss		ſ,	Well No. 2.2		Owner	3 to Cin	1213	
Contractor DS8 W			7701110.22 -2	/	To Quality Oil	well Cementing, Inc	3.	
Type Job Retail 18					You are herel	by requested to ren	t cementing equipmer	it and furnish
Hole Size		T.D.			Charge <	Shelby	Resources	o work as listed.
Csg. 3 /2		Depth		re oll	Street	sucrey	Less alices	
Tbg. Size 23/2	io noi	Depth			City	West Bederland	State	
Tool		Depth	# T			done to satisfaction	and supervision of owne	r agent or contractor.
Cement Left in Csg.		Shoe Jo	oint		Cement Amo		Diom	3
Meas Line		Displace	Э			see a cossin hor		
	EQUIPM				Common 5)		
Pumptrk 18 No. Cemer Helper	B				Poz. Mix			THE STREET
Bulktrk No. Driver	DIA	+			Gel.			
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JOB SE	RVICES 8	A STATE OF THE STA	RKS		Hulls			10.55 mm
Remarks:					Salt		*	ancome a sign co
Rat Hole	-				Flowseal	- The Admining		British is
Mouse Hole				24	Kol-Seal			
Centralizers	O gallay				Mud CLR 48			
Baskets		-			CFL-117 or C	D110 CAF 38		Him
D/V or Port Collar	3 3			, Terr	Sand		Les collè-	BB 10 KI NO HE
Keraines @	3430	9			Handling 50			
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Mix-2 503	SKY S	Que	20 to 38	1004	Guide Shoe			
					Centralizer			
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THE RESERVE OF THE					Float Shoe			sALIQ yerbanin
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and tell (in								-46
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					Pumptrk Char	ge M Sque	eze	
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11	4 6 6				a make Jesto		Tax	
10/1		112		1295.1			Discount	
X Signature	ATTERNATION CONTRACTOR	***************************************					Total Charge	



Scale 1:240 Imperial

Well Name: Stoss #2-24

Surface Location: 1934' FSL, 1510' FWL, Sec. 24-18S-14W

Bottom Location:

API: 15-009-26215-0000

License Number:

Spud Date: 5/22/2018 Time: 6:30 PM

Region: Barton County

Drilling Completed: 5/27/2018 Time: 5:55 PM

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 1898.00ft K.B. Elevation: 1909.00ft

Logged Interval: 2800.00ft To: 3490.00ft

Total Depth: 3490.00ft Formation: Arbuckle

Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

Company: Shelby Resources, LLC

Address: 13949 W Colfax Ave., Bldg 1, Ste 120

Lakewood, CO 80401

Contact Geologist: Janine Sturdavant

Contact Phone Nbr: 303-907-2209 / 720-274-4682

Well Name: Stoss #2-24

Location: 1934' FSL, 1510' FWL, Sec. 24-18S-14W

API: 15-009-26215-0000

Pool: Field: Wildcat

State: Kansas Country: USA

LOGGED BY



Company: Shelby Resources, LLC

Address: 13949 W Colfax Ave., Bldg 1, Ste 120

Lakewood, CO 80401

Phone Nbr: 203-671-6034

Logged By: Geologist Name: Jeremy Schwartz

NOTES

The Shelby Resources, LLC Stoss #2-24 was drilled to a total depth of 3490', bottoming in the Arbuckle. A TookeDaq gas detector was employed in the drilling of said well.

Two DST's were conducted throughout the Lansing-Kansas City and Arbuckle zones during the drilling of this well. The DST reports can be found at the bottom of this log.

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

Respectfully Submitted, Jeremy Schwartz Geologist

CONTRACTOR

Contractor: Sterling Drilling Co

Rig #:

mud rotary

Rig Type: Spud Date: TD Date: 5/22/2018 Time: 6:30 PM 5/27/2018 Time: 5:55 PM Time:

Rig Release:

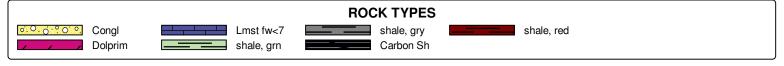
ELEVATIONS

K.B. Elevation: 1909.00ft Ground Elevation: 1898.00ft

K.B. to Ground: 11.00ft

<u>DATE</u>	<u>DEPTH</u>	<u>ACTIVITY</u>
Friday, May 25, 2018	30251	Geologist Jeremy Schwartz on Location @ 0615hrs, ~3025', Drlg ahead through Heebner,
	3162'	Douglas, Brown Lime, CFS @ 3162', drop survey, strap out, conduct Bit Trip,
	3257'	successful bit trip, resume drlg, CFS @ 3257', resume drlg, CFS @ 3270'
	3270'	conduct DST #1 in the Lansing "F"
Saturday, May 26, 2018	3373'	successful test, resume drlg, CFS @ 3342', resume drlg, CFS @ 3373', resume drlg,
	3418'	CFS @ 3393', resume drlg, CFS @ 3406', repair gas extractor, resume drlg, CFS @ 3418'
Sunday, May 27, 2018		conduct DST #2 in the Arbuckle, successful test, resume drlg, CFS @ 3425,
	3490'	resume drlg, CFS @ 3432', resume drlg ahead to TD of 3490', TD reached @ 1755hrs,
		CTCH 1hr, drop survey, trip out for logs, conduct logging operations
		logging operations complete @ 2355hrs
Monday, May 28, 2018		Geologist Jeremy Schwartz off location @ 0030hrs

						Oil -	EOF						•									
						Klima Well	Servi	e, Inc	2		Klima Well Service, Inc.					Shelby Resources, LLC						
						John	son #2			1		John	son#	1			Tindall Trust #1-26					
		STOSS	#2-24		N	IE-SW-SW 2	24-T18	S-R14	W		C-SW-SE-SW 24-T18S-R14W				SE-NW-NE-NE 26-T18S-R14W							
	КВ		1909		КВ	G C	19	01			КВ		1	903			КВ	i.		1900	,	
	LOG	TOPS	SAMPL	E TOPS	COMP	. CARD	LC)G	SM	IPL.	COMP	. CARD	L	OG	SIV	1PL.	COMP	. CARD	L	OG		SMPL.
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CC	RR.	CO	RR.	DEPTH	DATUM	CO	RR.		CORR.
ANHYDRITE TOP	834	1075	835	1074	829	1072	+	3	+	2	820	1083	+	8		9	829	1077	-	2	-	3
BASE	862	1047	862	1047	849	1052	-	5	1	5	850	1053	1	6	-	6	858	1048	Ţ	1	-	1
TOPEKA	2862	-953	2861	-952							2846	-943	7	10	al mile	9	2855	-949	10	4	-	3
HEEBNER SHALE	3082	-1173	3078	-1169	3068	-1167	4	6	1	2	3066	-1163	1	10	2	6	3075	-1169	3,	4	+	0
TORONTO	3092	-1183	3089	-1180	3078	-1177	17	6	ı	3	3076	-1173	T.	10	in.	7	3086	-1180	10	3	+	0
DOUGLAS SHALE	3106	-1197	3104	-1195							3092	-1189	1	8	-	6	3101	-1195	4	2	+	0
BROWN LIME	3162	-1253	3159	-1250	3148	-1247	-	6	-	3	3146	-1243	-	10	.:=:.	7	3156	-1250	Į.	3	+	0
LANSING (LKC)	3172	-1263	3175	-1266	3158	-1257	+	6	1	9	3156	-1253	1	10	-	13	3170	-1264	+	1	-	2
LKC G POROSITY	3270	-1361	3266	-1357	3255	-1354	-	7	1	3	3249	-1346	1	15	e e e	11	3261	-1355	10	6	-	2
MUNCIE CREEK	3294	-1385	3293	-1384	3280	-1379	-	6	1	5	3282	-1379	1	6	124	5	3287	-1381	4	4	-	3
LKC H	3302	-1393	3299	-1390	3286	-1385	17	8	-	5	3290	-1387	-	6	d#ii	3	3294	-1388	15	5	-	2
STARK SHALE	3352	-1443	3352	-1443	3340	-1439	-	4	1	4	3338	-1435	1	8	-	8	3345	-1439	4	4	-	4
BKC	3380	-1471	3378	-1469	3368	-1467	-17	4	-	2	3371	-1468	7	3	+-	1	3374	-1468	-17	3	-	1
ARBUCKLE	3409	-1500	3408	-1499	3392	-1491	4	9	-	8	3392	-1489	-	11		10	3400	-1494	+	6	-	5
RTD			3490	-1581	3421	-1520			-	61	3402	-1499			e e	82	3480	-1574			- "	7
LTD	3492	-1583	1		3421	-1520	- 12	63			3400	-1497	23	86			3478	-1572	- 1	11		



ACCESSORIES

FOSSIL

○ Bioclastic or Fragmental F Fossils < 20%

STRINGER ^^~ Chert Limestone · · · · Sandstone **TEXTURE** C Chalky

······ Siltstone

OTHER SYMBOLS

MISC

DR Daily Report

DST ■ DST Int DST alt

Digital Photo

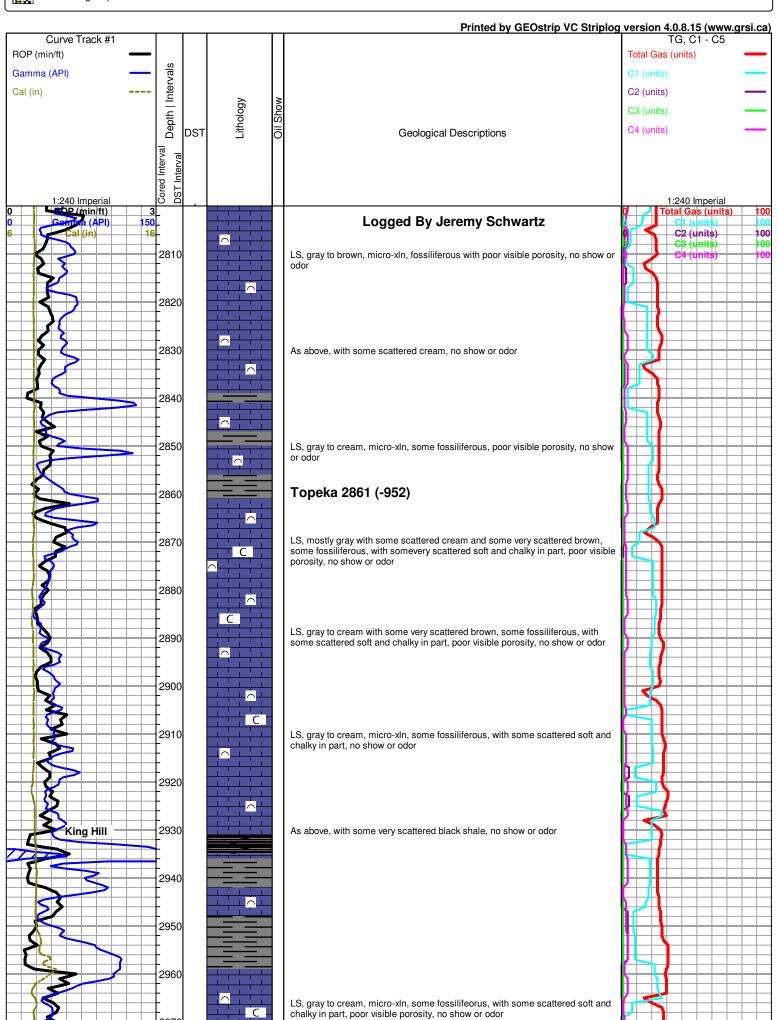


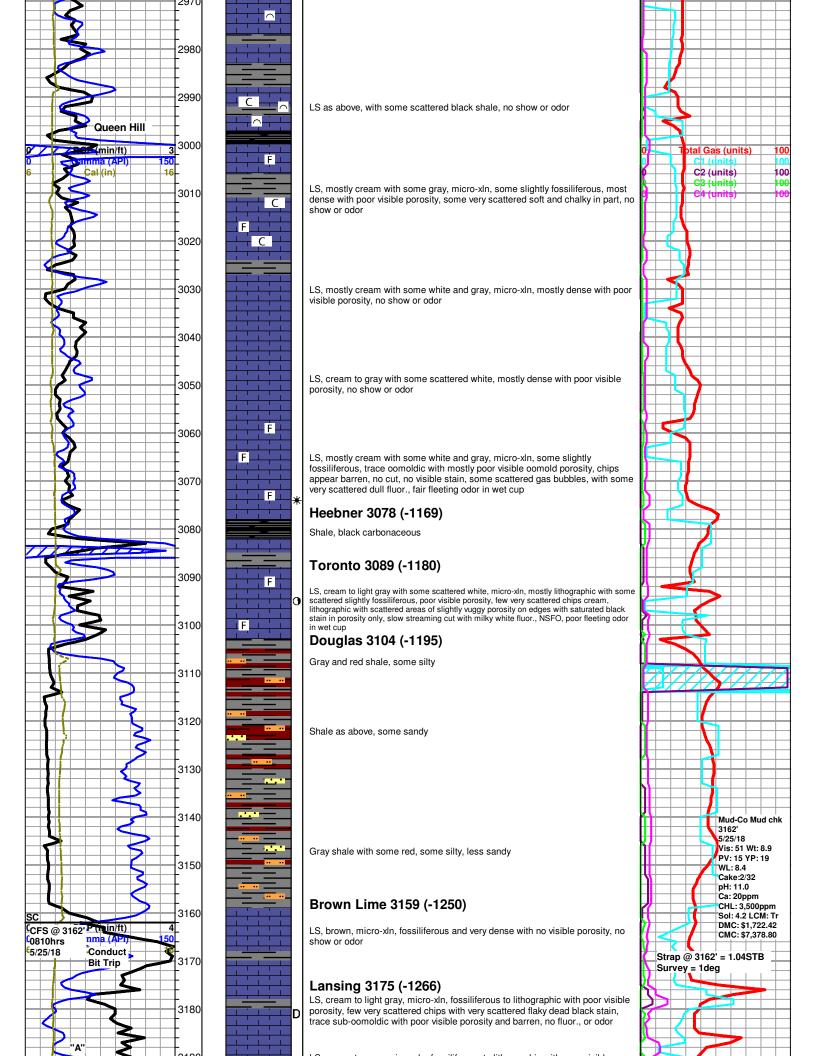
Folder

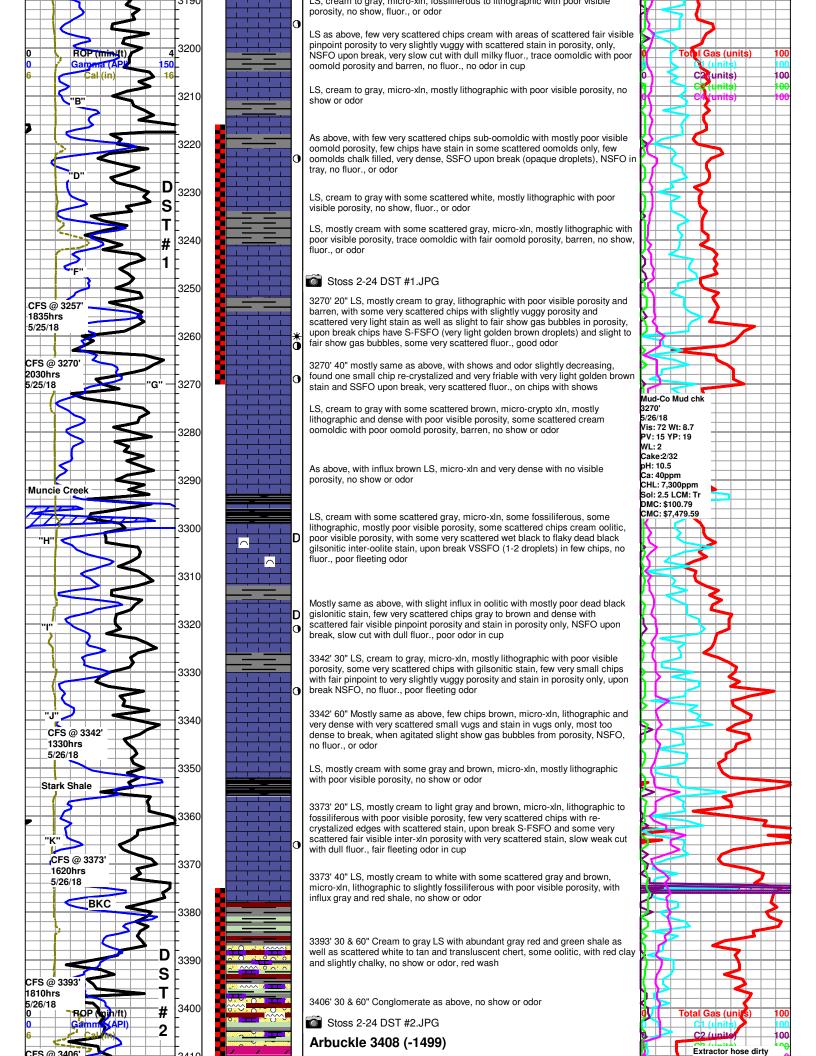
Iink

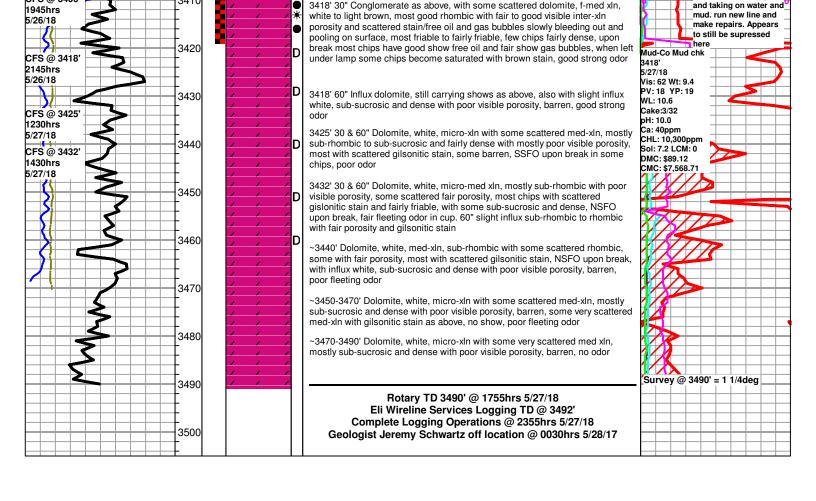
Vertical Log File

Horizontal Log File











LLC

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65

Pool: WILDCAT Job Number: 159

DATE	
May	
26	
2018	

DST #1 Formation: Lansing Test Interval: 3216 -Total Depth: 3270' 3270'

Time Off: 06:46 05/26 Time On: 00:26 05/26

Time On Bottom: 02:52 05/26 Time Off Bottom: 04:27 05/26

Recovered

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
10	0.0548	SLOCM	0	1	0	99

Total Recovered: 10 ft

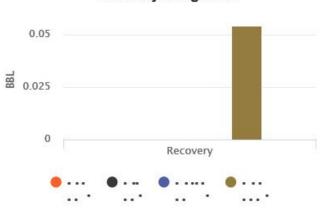
Total Barrels Recovered: 0.0548

Close / Final Close

Initial Hydrostatic Pressure	1559	PSI

Initial Hydrostatic Pressure	1559	PSI
Initial Flow	11 to 15	PSI
Initial Closed in Pressure	77	PSI
Final Flow Pressure	16 to 34	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	1550	PSI
Temperature	113	°F
Pressure Change Initial	100.0	%

Recovery at a glance





LLC

Lease: Stoss #2-24

SEC: 24 TWN: 18S RNG: 14W

County: BARTON State: Kansas

Drilling Contractor: Sterling Drilling

Company - Rig 5 Elevation: 1898 EGL Field Name: District 65 Pool: WILDCAT

Job Number: 159

DATE
May
27
2018

DST #2 Formation: Arbuckle Test Int

Test Interval: 3375 -

Total Depth: 3418'

3418'

Time On: 00:45 05/27

Time Off: 08:38 05/27

Time On Bottom: 02:52 05/27 Time Off Bottom: 06:22 05/27

Recovered

Foot	BBLS	Description of Fluid	Gas %	Oil %	Water %	Mud %
1197	12.282417	G	100	0	0	0
414	3.51842559	О	0	100	0	0
62	0.33976	SLGCSLWCSLMCO	10	60	11	19

Total Recovered: 1673 ft Total Barrels Recovered: 16.14060259

Reversed Out NO

Recovery	at a	glance
		8.4

Initial Hydrostatic Pressure	1694	PSI
Initial Flow	28 to 93	PSI
Initial Closed in Pressure	1019	PSI
Final Flow Pressure	109 to 184	PSI
Final Closed in Pressure	938	PSI
Final Hydrostatic Pressure	1657	PSI
Temperature	118	°F
Pressure Change Initial	8.0	%
Close / Final Close		

