KOLAR Document ID: 1458936

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:	
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:, (e.gxxx.xxxxx)
Name:	Datum: NAD27 NAD83 WGS84
Wellsite Geologist:	County:
Purchaser:	Lease Name: Well #:
Designate Type of Completion:	
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
☐ Oil ☐ WSW ☐ SWD	Producing Formation:
☐ Gas ☐ DH ☐ EOR	Elevation: Ground: Kelly Bushing:
☐ OG ☐ GSW	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? Yes No
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 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 #:	Operator Name:License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSecTwpS. REast West County:Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received Drill Stem Tests Received
Geologist Report / Mud Logs Received
UIC Distribution
ALT I II Approved by: Date:

KOLAR Document ID: 1458936

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:		epth T Bottom	ype of Cement	# Sacks Used	ed Type and Percent Additives			
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.			Water 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	Shots Per Perforation Perforation Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Recor Foot Top Bottom Type Set At (Amount and Kind of Material Used)				Record			
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion
Operator	Double D's LLC
Well Name	CECIL 2
Doc ID	1458936

Tops

Name	Тор	Datum
Anhydrite	1132	+841
Base Anhydrite	1174	+801
Topeka	2952	-979
Heebner	3217	-1244
Toronto	3235	-1262
Lansing/KC	3264	-1291
ВКС	3508	-1535
Conglomerate Sand	3582	-1609
Arbuckle	3607	-1634
Reagan Sand	3660	-1687
Granite Wash	3750	-1777

Form	ACO1 - Well Completion
Operator	Double D's LLC
Well Name	CECIL 2
Doc ID	1458936

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight		Type Of Cement		Type and Percent Additives
Surface	12	8.625	23	1140	80/20 Poz		2%Gel&35 CC
Production	7.875	4.5	11.6	3658	QPRO-C	180	10%Salt- 5%Gil

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. 1418

On Location Finish Sec. Twp. Range County State JOHN Date 4 21/21 Well No. Owner Lease To Quality Oilwell Cementing, Inc. Contractor You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Charge T.D. Hole Size Depth < Street Csq. Depth City State Tbg. Size The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Amount Ordered Cement Left in Csq. Shoe Joint Displace Meas Line EQUIPMENT Common Cementer No. Poz. Mix Helper Pumptrk No. Driver Gel. Bulktrk Driver Driver No. Calcium Bulktrk Driver JOB SERVICES & REMARKS Hulls Salt Remarks: Flowseal Rat Hole Kol-Seal Mouse Hole Mud CLR 48 Centralizers Baskets CFL-117 or CD110 CAF 38 D/V or Port Collar Sand Handling Mileage FLOAT EQUIPMENT Guide Shoe Centralizer Baskets AFU Inserts ei Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount Total Charge Signature M

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. 1266

Contractor D.S. Couch # 4 To Coulily Olivell Cementing, Inc. You are hereby requised to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. Type Job Date # 1400 Seg. # 5/8 # Depth	Date 4-14-19 Sec. 30	Twp. Range	County	State K5	On Location	5°45A
Contractor Discour # 4 To Qualify Dilwell Cemeratoring, Inc. You are hereby requised to rent cementing equipment and furnish cementers and helper to assist owner or contractor to do work as listed. Charge Double D'S Grage Double D'S Grage Double D'S Grage D'S Grage Double D'S Grage Double D'S Grage Double D'S Grage Double D'S Grage D		u seconomica englistrate e ul ligi	Location OID	Hay's Made	-15,21/2	W D Tanks
Contractor Discovery Type Job Start Pack Type Job Start Pack Hole Size DV411 T.D. 1140 Csg. 8 9 8 Depth 1140 Csg. 8 5 8 Depth 1140 Csg. 8 Street City State Tool Depth City State Tool Street Common 3 1 Csement Left in Csg. 3 1 1 6 Shoe Joint 3 1 1 6 Csg. 8 Depth Common 3 1 6 Csement Left in Csg. 3 1 1 6 Shoe Joint 3 1 1 6 Csement Left in Csg. 8 Disclade 7 0 7 2 Disclade Poz. Mix 9 Depth 1140 Depth 1140 Csement Left in Csg. 8 Disclade 7 0 7 2 Disclade Poz. Mix 9 Depth 1140 Dept	Lease Cecil	Well No. 2	Owner	And North	Side of Ria	by frac Tan
Type Job Act Acce Hole Size JO Y411 T.D. 1140 Cag. Sale Depth Depth City Street Tool Cement Left in Cag. Displace Displace Tool Commant Left in Cag. Displace Tool Commant Left in Cag. Displace Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Tool Commant Left in Cag. Displace Tool Cag. Tool Commant Amount Ordered 4 50 90/25 3/3 CC 2/3 Cell Displace Tool Cag. Tool Cag. Tool Tool Cag. Tool Cag. Tool Tool Cag. Tool Tool Cag. Tool To	Contractor Discovery	#4	To Quality	Oilwell Cementing, Inc	c. 10 20 12 13 1	
Hole Size Csg. 8 7 3 1 Depth	Type Job Six face		cementer	and helper to assist ov	vner or contractor to de	o work as listed.
Tog. Size Depth City State The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg. 31/6 Shoe Joint 31/6 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel Meas Line EQUIPMENT EQUIPMENT Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Selection 45 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 36 Cement Amount Ordered 450 80/20 3/6CC 2/3Gel V4 # F 10 - 3&cl Common 45 Cement Amount Ordered 45	Hole Size 12 1411	T.D. 1140		Double D's		61.016
Tool Cement Left in Csg. 31.16 Shoe Joint 31.16 Cement Amount Ordered 450 80/25 316 CC 2/3 Gel Meas Line Displace EQUIPMENT Pumptrk 20 No. Cementer Poz. Mix	Csg. 85/8"	Depth 11401	Street			
Cement Left in Csg. 31./6′ shoe Joint 31./6′ Cement Amount Ordered 450 90/35 3/6 CC 2/3 Gel Meas Line Displace 76 1/2 10.5 V.4 11.5 In Seal Common 36 6 Pumptrk 20 No. Cementer Day of Helper Day of Helper Poz. Mix 90 Bulktrk 19 No. Driver Crock Gel. 9 Bulktrk 20 No. Calcium Bulktrk 90 Bulktrk 19 No. Driver Crock Gel. 9 Bulktrk 19 No. Driver Crock	Tbg. Size	Depth	City	AUC in leased each or	State	1.4900
Meas Line Displace 70 12 DLS 14 F 10 - S&al EQUIPMENT Common 3 6 0 Pumptrk 20 No. Cementer Date of the Poz. Mix 9 0 Bulktrk 19 No. Driver Cack Gel. 9 Bu	Tool	Depth	The above	was done to satisfaction a	and supervision of owner	agent or contractor.
EQUIPMENT Pumptrk 20 No Commenter David Poper Poper David Poper David Poper Poper Poper David Poper Po	Cement Left in Csg. 31.16	Shoe Joint 3/1/	6 Cement	Amount Ordered 450	80/20 3% 00	2%Gel
Pumptrk 20 No. Cementer Helper Bulkrk /9 No. Driver Bulkrk /9 No. Driver Driver Driver Bulkrk /9 No. Driver Bulkrk	Meas Line	Displace 70 12	1 BLS 1/4#	Flo-Seal		
Pumptrk Pon Helper Work Poz. Mix 9 Poz. Mix		MENT	Common	360	HES 13- 9- 11 5	terne projection
Bulktik 77 Driver Alcok Bulktik 77 Driver Alcok JOB SERVICES & REMARKS Remarks Concur Add Circulate Rat Hole Mouse Hole Centralizers 2 8 / S Baskets 3 9 DIV or Port Collar Sand Handling 47 5 Mileage FLOAT EQUIPMENT Guide Shoe Centralizer 3 Baskets Q AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount	Pumptrk 20 Helper L	buid	Poz. Mix	90		
JOB SERVICES & REMARKS Remarks Correct de Sait Rat Hole Mouse Hole Centralizers 2 8 / S Baskets 3 9 D/V or Port Collar Sand Handling 47 5 Mileage FLOAT EQUIPMENT Guide Shoe Latch Down Pumptrk Charge Mileage Tax Discount	Bulktrk 7 Driver OL	ck	Gel. 9			g stadet e
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Mud CLR 48 Baskets 3 9 D/V or Port Collar Sand Handling 4/75 Mileage FLOAT EQUIPMENT Guide Shoe Centralizer 3 Baskets 2 AFU Inserts Baffe Plate Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount	Rat Hole	bas our selection of	Flowseal	125#		
Baskets 3 9 D/V or Port Collar CFL-117 or CD110 CAF 38 Sand Handling 4/75 Mileage FLOAT EQUIPMENT Guide Shoe Rubber Plug Centralizer 3 Baskets 2 AFU Inserts Baffle Plate Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount	Mouse Hole		Kol-Seal			
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Mileage FLOAT EQUIPMENT Guide Shoe Rubber Plug Centralizer 3 Baskets 2 AFU Inserts Boffle Plate Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount	D/V or Port Collar		Sand			
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AFU Inserts Double Ploate Float Shoe Latch Down Pumptrk Charge Mileage Tax Discount	1 N		Centraliza	er 3	7	
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Pumptrk Charge Mileage Tax Discount	11/1/1		AFU Inse	rts Boffle	plate	
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Signature & all Saselle Total Charge	Δ	1. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			Discount	
	Signature Jalum Las	reble	152 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Total Charge	

Marc A. Downing Consulting Petroleum Geologist Operator Double D's LLC Geologic Report Drilling Time and Sample Log Elevation KB 1973	Drilling Contractor Commenced 4-12-19 Samples Saved From 2950 To RTD Drilling Time Kept From 2850 To RTD Samples Examined From 2950 To RTD Geological Supervision From 2950 To RTD		version 4.0.8.15 (www.grsi.ca)	Comment	NOTE: Gamma ray has been shifted to fit ROP	Vis. 60 Wt. 8.6 DST #1 3152-3178 30-30-30 I.F BOB 1 min 10 sec F.F BOB 1 min 15 sec F.F BOB 1 min 16 sec F.F BOB	Vis: 58 Wt: 8.6 DST #2 3216-3283 30-30-30-30 I.F 1" 16-26 FFP: 31-32 SIP: 619-263 HP: 1510-1491 Rec: 40' OCM (5% 0) BHT: 97 DST #3 3274-3300 30-30-30-30 I.F 1/8" F.F Surf FIP: 14-17 FFP: 14-17 FFP: 14-17 FFP: 18-22 SIP: 483-457 HP: 1531-1517 Rec: 10' mud w/ oil spts BHT: 94		Vis: 51 Wt: 9.0 DST #4 3414-3459 I.F BOB 27 min 30 sec F.F 8 3/4" 18-76 FFP: 72-107 SIP: 512-507 HP: 1610-1600 Rec: 1' FO 126' MW w/ trace oil (90%w) BHT: 108 Chlor: 95K	Vis. 53 Wt. 9.2 BST #5 348-3589 30-30-30-30 I.F 1.5" F.F Surf, died in 26 min FPP 21-28 FFP 31-32 SIPP 1140-1133 HP: 1675-1649 Rec: 20'OCM (2% o) BHT: 102
Lease Cecil	Summary and Recommendations Due to lack of fluid recovery in DST #3 (LKC "C" zone) and DST #5 (Cong. Sand), it was decided to set 4 1/2" production casing for salt water disposal in the lower Arbuckle, Reagan Sand, and Granite Wash. After log evaluation, above mentioned formations calculate 41% SW in the "C" zone and 50% SW in the Cong. Sand, with each having good micro indicating permeability. It is recommended to perforate these zones before disposal of salt water. Recomended Perforations: Cong. Sand 3582-3586	ROCK TYPES shale, gry carbon Sh shale, red ACCESSORIES	DST DST DST lnt DST alt Core II tail pipe Printed by GEOstrip VC Striplog	Geological Descriptions	Topeka 2954 (-981) LS: wht-tan, some bm. Mostly fn xln, scat md xln, foss in prt. Scat subxln rx, mostly pr por and dns. All NS. LS: tan-brn, md xln, foss. More subxln rx than above, rest trng dns w/ pr por, NS. Sh: gry LS: wht-it tan, fn xln. Scat gd int xln and pp por, totally barren, no od. Fr amt v chlky rx. LS: wht, fn-md xln, few foss. Scat vug por, many chlky rx. NS. LS: tan-gry, fn xln, v dns w/ no vis por. Scat foss. LS: tan, md xln, foss, some mtld. Mostly pr por, scat chlky rx and vug por. All NS. LS: tan-gry, trng all wht. Md xln, foss, scat vug por, mostly v chlky. Scat gry foss cht, totally barren, no od. Sh: black carb Sh: black carb Sh: gry LS: wht, vfn-mic xln. V dns w/ no vis por, all totally barren, no od. Sh: gry LS: wht w/ some lt tan. fn xln, some md xln. All NS w/ no od.	LS: wht, fn-md xln, pr por and dns. Sh: Black Carb Sh: gry LS: tan w/ some wht. Fn xln, some md xln. Mostly pr por and dns, scat resid stn, mostly barren. Lt od. LS: tan-wht, fn-md xln, foss in prt. Fr pp por w/ few sml vugs, fr brn sat stn in 2-3 rx, fr SFO, lt od. LS: wht-tan, md xln, foss w/ scat selenite. Fr-gd vug por, scat chlky rx. Fr-gd sat stn w/ scat gd SFO when broken. Gd strong od. LS: wht-tan, md xln, foss in prt. Fr amt vug por trng more subxin-chlky. Trng totally barren w/ no od, scat gry shp cht. LS: scat rx ala, trng more wht and mtld in prt. Fr amt subxin-chlky rx trng dns w/ pr por. Totally barren, no	Heebner 3219 (-1246) Sh: Black Carb Sh: gry Toronto 3237 (-1264) LS: wht, fn-md xln, foss. Fr-gd vug and pp por, some int foss por. Gd brn sat stn w/ gd SFO, fr od, free oil on cup. Trng totally dolomitic and dns w/ NS. Sh: brn w/ It gry and grn LKC 3266 (-1293) LS: tan, fn xln, sltly dolomitic. Pr int xln and pp por, frac in prt. Fr brn sat stn w/ slt SFO when broken. Fr od. Sh: gry w/ brn LS: wht, ool w/ few sml foss. Gd ooc por w/ scat int ool por, gd sat stn w/ gd SFO, It od.	LS: tan, tot foss, gd int foss and vug por. Scat gd sat stn w/ gd SFO, many barren chlky rx. Lt od. LS: tan, foss in prt, mostly fn-md xln. Fr-gd pp por w/ fr-gd sat stn and SFO, fr amt subxln-chlky rx. Fr-gd sh: Black Carb Sh: gry LS: wht w/ some lt tan, md xln, foss in prt. Scat gd int foss and vug por w/ fr stn and spttd SFO, mostly v chlky and barren. Lt-fr od. Trng many sml ool and frag foss w/ fr-gd lt brn stn and fr SFO in gd int foss and vug por. Sh: gry LS: wht, ool in prt w/ gd ooc por. Mostly chlky, all totally barren w/ no od. LS: tan-wht, fn-md xln. Pr por and v dns, totally barren w/ no od. Sh: drk gry Sh: drk gry Sh: gry	LS: tan, fin xln. Fr pp por, sltly tight. 3-4 rx w/ gd sat stn, fr-gd SFO, fr-gd od. Sh: gry Sh: gry LS: wht-lt tan, fn-md xln. Fr-gd vug por w/ fr it brn stn, spttd SFO, It-fr od. LS: wht-tan, scat ool, v dns w/ no vis por. LS: wht-tan, scat ool, v dns w/ no vis por. LS: wht-tan, scat ool, v dns w/ no vis por. LS: wht, fn-md xln, few foss and ool w/ int xln por. Mostly subxln-chlky, totally barren, no od. LS: tan-wht, fn-md xln, scat foss. No vis por and v dns, all NS. Sh: gry LS: tan-wht, md xln, some mtld in prt. Scat intxln por, fr amt chlky wht. All NS, no od. Few pcs org cht. BKC 3510 (-1537) Sh: brn w/ it grn and gry LS: tan-wht, md xln w/ scat ool. Pr por, dns. Sh: brn w/ some gry Sh: brn w/ some gry	Sh: bm-red Sh: bm-red LS: wht, fin xin, subxin-chilky. Totally barren, no od. 2-3 pcs org off. Tring mostly cht, org and some tan, suc in prt, mostly fresh and shp. Scat vug por w/ rnbw stn, mostly barren, fint-on od. Conglomerate Sand 3584 (-1611) Si: red-bm, washes red Mostly cht, red and org, shp. Scat-fr amt red sh, washes red in 30 cfs. Totally barren, no od. Conglomerate Sand 3584 (-1611) Si: chwith, many higan, well mit, rivel sorg, dig thig and por and inpt, stay wash. Frity well cremented w/ir 16 por, fity finable, stay glust csat you gat Sto. Fr amt org gain, sub-ang, if sort, frosted in prt, stay wash. Frity well cremented w/ir 16 por, fity finable, stay glust csat grow for amt org and tan cht. Few poes sa ala, poss carry. Arbuckle 3609 (-1636) Dolo: wht, mostly fn-md suc xin, scat smi-md rhombs. Some gd inxth and vug por, fr amt org and tan cht. Few poes sa ala, poss carry. Arbuckle 3609 (-1636) Dolo: wht, mostly fn-md suc xin, scat smi-md rhombs. Some gd inxth and vug por, mostly tight w/ pr por. Totally barren, no od. Dolo: wht, md suc xin, few rhombs. Mostly pr por and dight, barren, no od. Dolo: wht, md suc xin, few rhombs, pr por and tight, totally barren, no od. Ss: cir, wht qtz. Mostly md-crs grain, fr-well md, well sort, v gd IG por, friable. Fr amt wht sndy dolo w/ gd vug por. All totally barren, no od. Ss: ala
Heebner 3219 3217 -1244 -2 Toronto 3237 3235 -1262 -1 LKC 3266 3264 -1291 -3 BKC 3510 3508 -1535 -5 Conglomerate Sand 3584 3582 -1609 Absent (Gorham) Arbuckle 3609 3607 -1634 -34 Reagan Sand 3662 3660 -1687 Not Reached Granite Wash 3753 3750 -1777 Not Reached Total Depth 3765 3765 -1792	LKC "C" 3287-3290 Respectfully Submitted, Marc A. Downing	Cht Cht vari	OWS Stn ed Stn 50 - 75 % ed Stn 25 - 50 % ed Stn 1 - 25 % itionable Stn Oil Stn escence Link MISC Daily Report Daily Report Doily Report Editer Document Digital Photo Editer Document Doil Stn Editer Editer Editer Drill Cuttings Rpt		\$2950 \$2960 \$2960 \$3030 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000 \$3000	3130 CFS @ 3163 3160 3190 3200	3210 3220 3230 3280 3280 3280 3300 3300 330	330 330 330 330 330 330 330 330	CFS @ 3459 3450 4440 4740 4740 4740 4740 4740 4740 4	3220 000 000 000 000 000 000 000 000 000
Reference Well For Structural Comparison Double D's LLC - Cecil #1 1096' FNL & 1818' FWLSec. 30-15s-18w	Marc A. Downing	MINER Chert, A Chert, A Chert,	OIL SHOW Even Stn Spotted Str Spotted Str O Spotted Str O Spotted Str D Dead Oil Str Fluorescen	Samma (Comman)			OF S 300° (S 10°			THE TOTAL MANAGEMENT OF THE PROPERTY OF THE PR



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: NA Pool: Infield Job Number: 332

Operation: Uploading recovery & pressures

DATE

April

17

2019

DST #1

Formation: **Plattsmouth** Test Interval: 3152 -

Total Depth: 3178'

3178'

Time On: 06:42 04/17

Time Off: 13:03 04/17

Time On Bottom: 08:41 04/17 Time Off Bottom: 10:41 04/17

Electronic Volume Estimate: 2892'

1st Open Minutes: 30 **Current Reading:** 300.1" at 30 min

Max Reading: 300.1"

1st Close Minutes: 30 **Current Reading:** 0" at 30 min

Max Reading: 0"

2nd Open Minutes: 30 **Current Reading:**

233.2" at 30 min

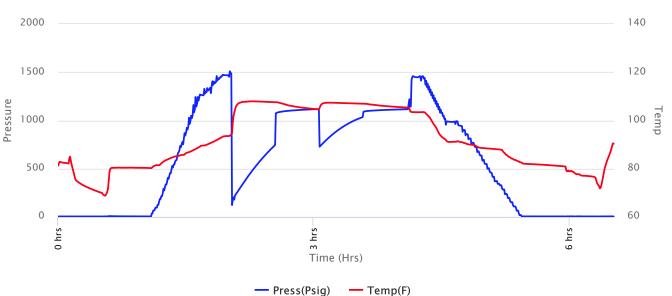
Max Reading: 233.2"

2nd Close Minutes: 30 **Current Reading:**

0" at 30 min

Max Reading: 0"

Inside Recorder





Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: NA Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE	
April	
17	
2019	

DST #1	Formation:
	Plattsmouth

Test Interval: 3152 -

Total Depth: 3178'

3178'

Time On: 06:42 04/17

Time Off: 13:03 04/17

Time On Bottom: 08:41 04/17 Time Off Bottom: 10:41 04/17

Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>
157	2.23411	SLMCHGCW (trace O)	40
190	2.7037	SLMCHGCW	30
317	4.51091	SLMCSLGCW (trace O)	10
445	6.33235	SLMCSLGCW	5
1079	15.0605326	SLMCW	0

Gas %	Oil %	Water %	Mud %
40	.1	46.9	13
30	0	60	10
10	.1	88.9	1
5	0	94	1
0	0	99	1

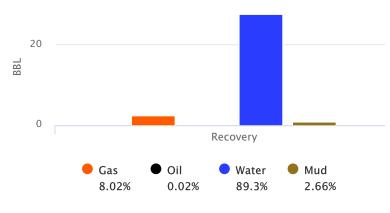
Total Recovered: 2188 ft

Total Barrels Recovered: 30.8416026

Reversed	Out
NO	

Initial Hydrostatic Pressure	1468	PSI
Initial Flow	123 to 748	PSI
Initial Closed in Pressure	1117	PSI
Final Flow Pressure	728 to 1032	PSI
Final Closed in Pressure	1117	PSI
Final Hydrostatic Pressure	1452	PSI
Temperature	108	°F
Pressure Change Initial	0.1	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 13.88164



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: NA Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE

April

17 2019

DST #1 Formation: Plattsmouth

Test Interval: 3152 -

Total Depth: 3178'

3178'

Time On: 06:42 04/17 Time Off: 13:03 04/17

Time On Bottom: 08:41 04/17 Time Off Bottom: 10:41 04/17

BUCKET MEASUREMENT:

1st Open: BoB in 1 min 10 sec.

1st Close: No Return

2nd Open: BoB in 1 min. 15 sec.

2nd Close: No Return

REMARKS:

Chased tool approx 5' to bottom.

Tool Sample: 0% Gas .1% Oil 94.9% Water 5% Mud

Ph: 6

Measured RW: .07 @ 54 degrees °F

RW at Formation Temp: 0.037 @ 108 °F

Chlorides: 162000 ppm



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: NA Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE

April **17**

2019

DST #1 Formation: Plattsmouth

Test Interval: 3152 -

Total Depth: 3178'

3178'

Time On: 06:42 04/17 Time Off: 13:03 04/17

Time On Bottom: 08:41 04/17 Time Off Bottom: 10:41 04/17

Down Hole Makeup

Heads Up: 13.07 FT Packer 1: 3147 FT

Drill Pipe: 3108.37 FT **Packer 2:** 3152 FT

ID-3 1/2

Top Recorder: 3139 FT
Weight Pipe: 0 FT

ID-2 7/8 Bottom Recorder: 3154 FT

Collars: 31.54 FT Well Bore Size: 7 7/8

ID-2 1/4 Surface Choke: 1"

Test Tool: 26.16 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 26

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 0 FT

4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT

ID-3 1/2

Change Over: 0 FT

Perforations: (below): 25 FT

4 1/2-FH



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: NA Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE April 17

2019

DST #1

Formation: Plattsmouth

Test Interval: 3152 -

Total Depth: 3178'

3178'

Time On: 06:42 04/17

Time Off: 13:03 04/17

Time On Bottom: 08:41 04/17 Time Off Bottom: 10:41 04/17

Mud Properties

Mud Type: Chem Weight: 9.6 Viscosity: 29 Filtrate: N/C Chlorides: 52000 ppm



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery &
pressures

<u>DATE</u>

April **17**

2019

Formation: Toronto -LKC "A"

Test Interval: 3215 -

Total Depth: 3283'

3283'

Time On: 23:47 04/17 Time Off: 05:00 04/18

Time On Bottom: 01:28 04/18 Time Off Bottom: 03:28 04/18

Electronic Volume Estimate:

35'

1st Open Minutes: 30 Current Reading: 1" at 30 min

Max Reading: 1"

DST #2

1st Close Minutes: 30 Current Reading: 0" at 30 min

Max Reading: 0"

2nd Open Minutes: 30 Current Reading:

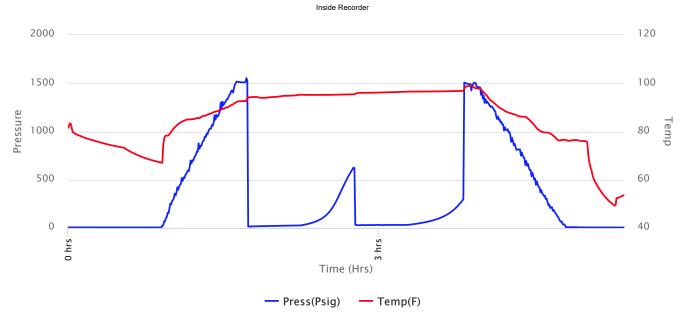
.7" at 30 min

Max Reading: .7"

2nd Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"





Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation: Uploading recovery & pressures

DATE

April

17 2019 **DST #2** Formation: Toronto -LKC "A"

Test Interval: 3215 -

Total Depth: 3283'

3283'

Time On: 23:47 04/17

Time Off: 05:00 04/18

Time On Bottom: 01:28 04/18 Time Off Bottom: 03:28 04/18

Recovered

Foot BBLS 40 0.2755626 **Description of Fluid** SLOCM

Gas % 0

<u>Oil %</u> 5

Water % 0

Mud % 95

Total Recovered: 40 ft

Total Barrels Recovered: 0.2755626

Reversed Out NO

%

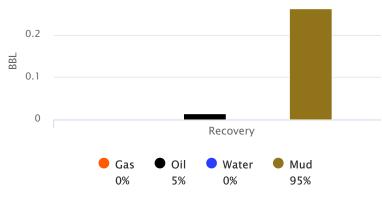
Initial Hydrostatic Pressure	1510	PSI
Initial Flow	16 to 26	PSI
Initial Closed in Pressure	619	PSI
Final Flow Pressure	31 to 32	PSI
Final Closed in Pressure	263	PSI
Final Hydrostatic Pressure	1491	PSI
Temperature	97	°F

57.5

Close / Final Close

Pressure Change Initial

Recovery at a glance



GIP cubic foot volume: 0



Lease: Cecil #2

Drilling Contractor: Discovery Drilling

SEC: 30 TWN: 15S RNG: 18W

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

County: ELLIS State: Kansas

Operation: Uploading recovery & pressures

> **DATE** April

17 2019 DST #2 Formation: Toronto -Test Interval: 3215 -Total Depth: 3283' LKC "A" 3283'

Time On: 23:47 04/17 Time Off: 05:00 04/18

Time On Bottom: 01:28 04/18 Time Off Bottom: 03:28 04/18

BUCKET MEASUREMENT:

1st Open: Weak surface blow built to 1" over 30 min.

1st Close: No Return

2nd Open: Weak Surface blow started at 7 min. Built to 3/4" over 30 min.

2nd Close: No Return

REMARKS:

Tool Sample: 0% Gas 5% Oil 0% Water 95% Mud



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Total Depth: 3283'

Pool: Infield Job Number: 332

Operation: Uploading recovery & pressures

DATE

April 17

2019

DST #2 Formation: Toronto -Test Interval: 3215 -LKC "A"

3283'

Time On: 23:47 04/17 Time Off: 05:00 04/18

Time On Bottom: 01:28 04/18 Time Off Bottom: 03:28 04/18

Down Hole Makeup

Heads Up: 13.33 FT Packer 1: 3210.23 FT

Drill Pipe: 3171.86 FT Packer 2: 3215.23 FT

ID-3 1/2

Top Recorder: 3202.23 FT

Weight Pipe: 0 FT **Bottom Recorder:** 3219 FT ID-2 7/8

Well Bore Size: 7 7/8

Collars: 31.54 FT **Surface Choke:** 1" ID-2 1/4

Bottom Choke: 5/8" **Test Tool:** 26.16 FT

ID-3 1/2-FH

Total Anchor: 67.77

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 30 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.77 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery &
pressures

DATE April

17

2019

DST #2 Formation: Toronto - LKC "A"

Test Interval: 3215 -

Total Depth: 3283'

3283'

Time On: 23:47 04/17 Time Off: 05:00 04/18

Time On Bottom: 01:28 04/18 Time Off Bottom: 03:28 04/18

Mud Properties

Mud Type: Chem Weight: 8.9 Viscosity: 55 Filtrate: 6.0 Chlorides: 3400 ppm



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

<u>DATE</u>

April 18

2019

DST #3 Formation: LKC "C"

Test Interval: 3274 -

Total Depth: 3300'

3300'

Time On: 10:45 04/18 Time Off: 16:06 04/18

Time On Bottom: 12:27 04/18 Time Off Bottom: 14:27 04/18

Electronic Volume Estimate:

7'

1st Open Minutes: 30 Current Reading:

.1" at 30 min

Max Reading: .1"

1st Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"

2nd Open Minutes: 30 Current Reading:

.1" at 30 min

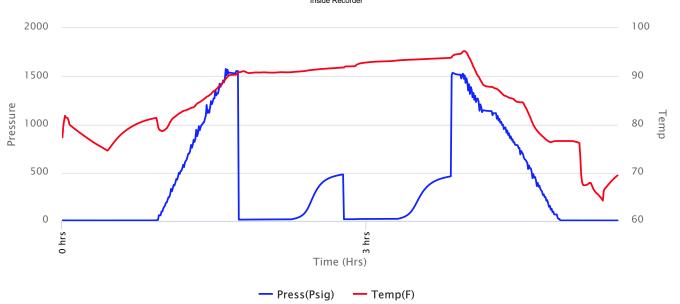
Max Reading: .2"

2nd Close Minutes: 30 Current Reading:

0" at 30 min

Max Reading: 0"

Inside Recorder





Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE

April **18** 2019

DST #3 Formation: LKC "C"

Test Interval: 3274 -

Total Depth: 3300'

0

3300'

Time On: 10:45 04/18 Time Off: 16:06 04/18

Time On Bottom: 12:27 04/18 Time Off Bottom: 14:27 04/18

0

Recovered

Foot BBLS 10 0.0492

Description of Fluid
M (trace O)

Gas % Oil %

.1

Water % Mud %

99.9

Total Recovered: 10 ft

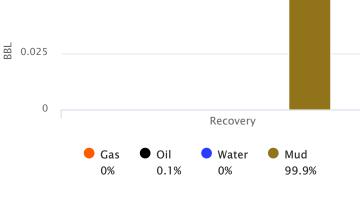
Total Barrels Recovered: 0.0492

Reversed Out NO

Initial Hydrostatic Pressure	1531	PSI
Initial Flow	14 to 17	PSI
Initial Closed in Pressure	483	PSI
Final Flow Pressure	18 to 22	PSI
Final Closed in Pressure	457	PSI
Final Hydrostatic Pressure	1517	PSI
Temperature	94	°F
Pressure Change Initial	5.2	%

Close / Final Close





GIP cubic foot volume: 0



Operation:

Uploading recovery &

pressures

Company: Double D's LLC

Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

DATE April 18

Total Depth: 3300' DST #3 Formation: LKC "C" Test Interval: 3274 -

3300'

Time On: 10:45 04/18 Time Off: 16:06 04/18

Time On Bottom: 12:27 04/18 Time Off Bottom: 14:27 04/18

BUCKET MEASUREMENT:

2019

1st Open: Weak surface blow built to 1/8" over 30 min.

1st Close: No Return

2nd Open: Weak surface blow - Flushed tool at 6 min. - 1/4" blow after flush died back to surface blow over 30 min.

2nd Close: No Return

REMARKS:

Flushed tool 6 min. Into Final Flow Period.

Tool Sample: 0% Gas .1% Oil 10% Water 89.9% Mud



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE

April

18 2019

DST #3 Formation: LKC "C"

Test Interval: 3274 -

Total Depth: 3300'

3300'

Time On: 10:45 04/18 Time Off: 16:06 04/18

Time On Bottom: 12:27 04/18 Time Off Bottom: 14:27 04/18

Down Hole Makeup

Heads Up: 17.99 FT **Packer 1:** 3269 FT

Drill Pipe: 3235.29 FT **Packer 2:** 3274 FT

ID-3 1/2

ID-2 7/8

Top Recorder: 3261 FT

Weight Pipe: 0 FT

Bottom Recorder: 3276 FT

Well Bore Size: 7 7/8

Collars: 31.54 FT

ID-2 1/4

Surface Choke: 1"

Test Tool: 26.16 FT Bottom Choke: 5/8"

ID-3 1/2-FH

Total Anchor: 26

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 0 FT

4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT

ID-3 1/2

Change Over: 0 FT

Perforations: (below): 25 FT

4 1/2-FH



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

Total Depth: 3300'

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery &
pressures

DATE April

18 2019

DST #3 Formation: LKC "C" Test Interval: 3274 -

3300'

Time On: 10:45 04/18 Time Off: 16:06 04/18

Time On Bottom: 12:27 04/18 Time Off Bottom: 14:27 04/18

Mud Properties

Mud Type: Chem Weight: 9.0 Viscosity: 50 Filtrate: 6.8 Chlorides: 5200 ppm



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE April

19 2019

DST #4 Formation: LKC " I,J"

Test Interval: 3413 -

Total Depth: 3459'

3459'

Time On: 06:35 04/19 Time Off: 12:43 04/19

Time On Bottom: 08:30 04/19 Time Off Bottom: 11:00 04/19

Electronic Volume Estimate:

197'

1st Open Minutes: 30 Current Reading: 11.4" at 30 min

Max Reading: 11.4"

<u>1st Close</u> Minutes: 45 Current Reading:

0" at 45 min

Max Reading: 0"

2nd Open Minutes: 30 Current Reading:

8.7" at 30 min

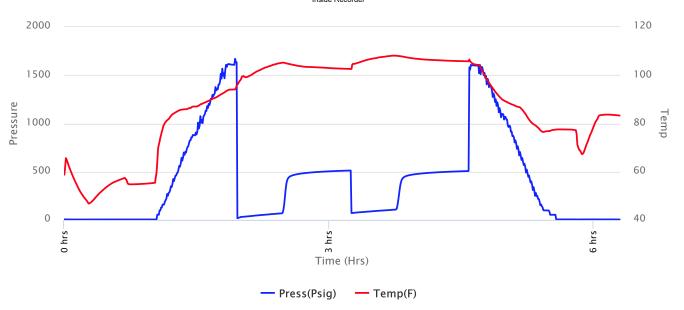
Max Reading: 8.7"

2nd Close Minutes: 45 Current Reading:

0" at 45 min

Max Reading: 0"

Inside Recorder





Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE	
April	
19	
2019	

DST #4	Formation: LKC "	Test Interval: 3413 -	Total Depth: 3459'
	1 1"	3459'	

Time On: 06:35 04/19 Time Off: 12:43 04/19

Time On Bottom: 08:30 04/19 Time Off Bottom: 11:00 04/19

Recovered

<u>Foot</u>	BBLS	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	Mud %
1	0.01423	Ο	0	100	0	0
5	0.07115	SLMCW (trace O)	0	.1	86.9	13
126	1.79298	SLMCW (trace O)	0	.1	89.9	10
63	0.6028526	SLMCW (trace O)	0	.1	94.9	5

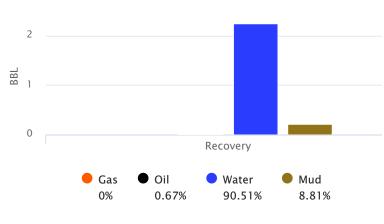
Total Recovered: 195 ft

Total Barrels Recovered: 2.4812126

Reversed Out	
NO	

Initial Hydrostatic Pressure	1610	PSI
Initial Flow	18 to 76	PSI
Initial Closed in Pressure	512	PSI
Final Flow Pressure	72 to 107	PSI
Final Closed in Pressure	507	PSI
Final Hydrostatic Pressure	1600	PSI
Temperature	108	°F
Pressure Change Initial	1.1	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 0



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATEApril **19**2019

DST #4 Formation: LKC " Test Interval: 3413 - Total Depth: 3459'

Time On: 06:35 04/19 Time Off: 12:43 04/19

Time On Bottom: 08:30 04/19 Time Off Bottom: 11:00 04/19

BUCKET MEASUREMENT:

1st Open: BoB in 27 min. 30 sec.

1st Close: No Return

2nd Open: Surface Blow built to 8 3/4" over 30 min.

2nd Close: No Return

REMARKS:

Tool Sample: 0% Gas 3% Oil 95% Water 2% Mud

Ph: 6

Measured RW: .1 @ 61 degrees °F

RW at Formation Temp: 0.059 @ 108 °F

Chlorides: 95000 ppm



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

3400.25 FT

1"

Pool: Infield Job Number: 332

Top Recorder:

Surface Choke:

Operation: Uploading recovery & pressures

DATE

April 19

2019

DST #4 Formation: LKC " Test Interval: 3413 -Total Depth: 3459' I,J" 3459'

Time On: 06:35 04/19 Time Off: 12:43 04/19 Time On Bottom: 08:30 04/19 Time Off Bottom: 11:00 04/19

Down Hole Makeup

Heads Up: 5.54 FT Packer 1: 3408.25 FT

Drill Pipe: 3362.09 FT Packer 2: 3413.25 FT

ID-3 1/2

31.54 FT

Weight Pipe: FT **Bottom Recorder:** 3417 FT

ID-2 7/8

Well Bore Size: 7 7/8 Collars:

ID-2 1/4

Bottom Choke: 5/8" **Test Tool:** 26.16 FT

ID-3 1/2-FH

Total Anchor: 45.75

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 8 FT

4 1/2-FH

Change Over: 1 FT

Drill Pipe: (in anchor): 31.75 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATE

April

19

2019

DST #4

Formation: LKC "

Test Interval: 3413 -

Total Depth: 3459'

3459'

Time On: 06:35 04/19

Time Off: 12:43 04/19

Time On Bottom: 08:30 04/19 Time Off Bottom: 11:00 04/19

Mud Properties

Mud Type: Chem Weight: 9.2 Viscosity: 55 Filtrate: 7.2 Chlorides: 5000 ppm



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery &
pressures

April

20 2019

DST #6 Formation: Cong. Test Interval: 3487 - Total Depth: 3589' Snd. 3589'

Time On: 00:48 04/20 Time Off: 06:24 04/20

Time On Bottom: 02:34 04/20 Time Off Bottom: 04:34 04/20

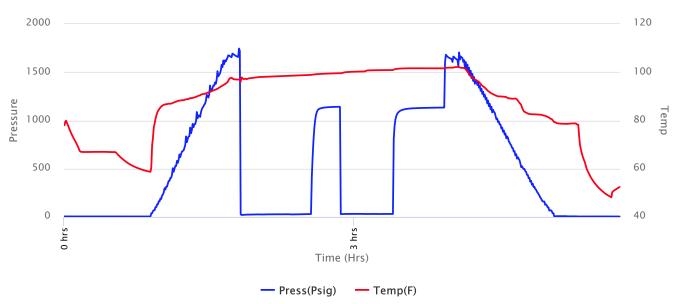
Electronic Volume Estimate:

35'

1st Open Minutes: 30 Current Reading: 1.5" at 30 min Max Reading: 1.5" 1st Close Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"

2nd Open Minutes: 30 Current Reading: 0" at 30 min Max Reading: .1" 2nd Close Minutes: 30 Current Reading: 0" at 30 min Max Reading: 0"

Inside Recorder





Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation: Uploading recovery & pressures

> **DATE** April 20 2019

DST#6 Formation: Cong. Snd.

Reversed Out

Test Interval: 3487 -

Total Depth: 3589'

Water %

0

Mud %

98

3589'

Time On: 00:48 04/20 Time Off: 06:24 04/20

Time On Bottom: 02:34 04/20 Time Off Bottom: 04:34 04/20

Gas %

0

Recovered

BBLS Foot 20 0.0984

Total Barrels Recovered: 0.0984

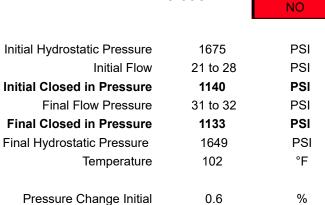
Close / Final Close

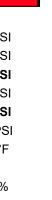
Total Recovered: 20 ft

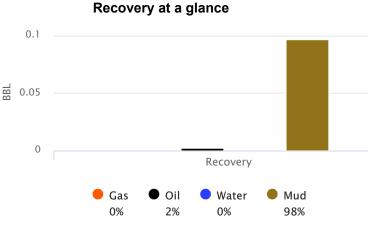
Description of Fluid SLOCM

Oil %

2







GIP cubic foot volume: 0



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

DATEApril **20**2019

DST #6 Formation: Cong. Test Interval: 3487 - Total Depth: 3589' Snd. 3589'

Time On: 00:48 04/20 Time Off: 06:24 04/20

Time On Bottom: 02:34 04/20 Time Off Bottom: 04:34 04/20

BUCKET MEASUREMENT:

1st Open: 1/2" Blow built to 1 1/2" over 30 min.

1st Close: No Return

2nd Open: Weak Surface blow started at 15 min. Died at 26 min.

2nd Close: No Return

REMARKS:

Tool Sample: 0% Gas 5% Oil 0% Water 95% Mud



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

3474.36 FT

5/8"

Pool: Infield Job Number: 332

Top Recorder:

Bottom Choke:

Operation: Uploading recovery & pressures

DATE

April 20

2019

DST#6 Formation: Cong. Test Interval: 3487 -Total Depth: 3589' Snd. 3589'

Time On: 00:48 04/20 Time Off: 06:24 04/20

Time On Bottom: 02:34 04/20 Time Off Bottom: 04:34 04/20

Down Hole Makeup

Heads Up: 26.06 FT Packer 1: 3482.36 FT

Drill Pipe: 3456.72 FT Packer 2: 3487.36 FT

ID-3 1/2

31.54 FT

26.16 FT

Weight Pipe: 0 FT **Bottom Recorder:** 3491 FT

ID-2 7/8

Well Bore Size: 7 7/8 Collars:

ID-2 1/4

Surface Choke: 1"

Test Tool: ID-3 1/2-FH

Total Anchor: 101.64

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 1 FT

4 1/2-FH

Change Over: .5 FT

Drill Pipe: (in anchor): 95.14 FT

ID-3 1/2

Change Over: 1 FT

Perforations: (below): 3 FT

4 1/2-FH



Lease: Cecil #2

SEC: 30 TWN: 15S RNG: 18W

County: ELLIS State: Kansas

Drilling Contractor: Discovery Drilling

Company, Inc. - Rig 4 Elevation: 1965 EGL Field Name: Martina East

Pool: Infield Job Number: 332

Operation:
Uploading recovery & pressures

<u>DATE</u>

April **20**

2019

DST #6 Formation: Cong. Snd.

Test Interval: 3487 -

Total Depth: 3589'

3589'

Time On: 00:48 04/20 Time Off: 06:24 04/20

Time On Bottom: 02:34 04/20 Time Off Bottom: 04:34 04/20

Mud Properties

Mud Type: Chem Weight: 9.2 Viscosity: 51 Filtrate: 7.2 Chlorides: 5000 ppm