KOLAR Document ID: 1423060

Confiden	tiality Requ	ested:
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 Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR ☐ 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?
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 #: SWD Permit #:	
SWD Permit #: EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R East _ West
Recompletion Date Reached TD Recompletion Date of Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

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

KOLAR Document ID: 1423060

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

Page Two

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

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

Drill Stem Tests Taken (Attach Additional Sheets)			′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample	
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum	
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No							
		Rep	CASING ort all strings set-c] Ne	w Used rmediate, productio	on. etc.			
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives	
[ADDITIONAL	CEMENTING /	SQU	EEZE RECORD				
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Used		Sed Type and Percent Additives				
Protect Casing Plug Back TD Plug Off Zone										
 Did you perform a hydra Does the volume of the Was the hydraulic fracture 	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three		
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Grav					
DISPOSITIO	N OF GAS:		Ν	METHOD OF COMPLETION:				PRODUCTION INTERVAL:		
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	Тор	Bottom	
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At				not, Cementing Squeeze Record and Kind of Material Used)		
TUBING RECORD:	Size:	Set At:		Packer At:						

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	FOCKE 1
Doc ID	1423060

Tops

Name	Тор	Datum
Anhydrite	2907-46	+205
Topeka	3840	-728
Deer Creek	3864	-752
Oread	3972	-860
LKC	4031	-919
ВКС	4296	-1184
1st RTD	4336	-1224
Pawnee	4406	-1294
Ft Scott	4468	-1356
Cherokee	4522	-1410
MIssissippi	4666	-1554
RTD	4706	-1594

Form	ACO1 - Well Completion
Operator	Castle Resources, Inc.
Well Name	FOCKE 1
Doc ID	1423060

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	20	290	common	225	60/40 POZ

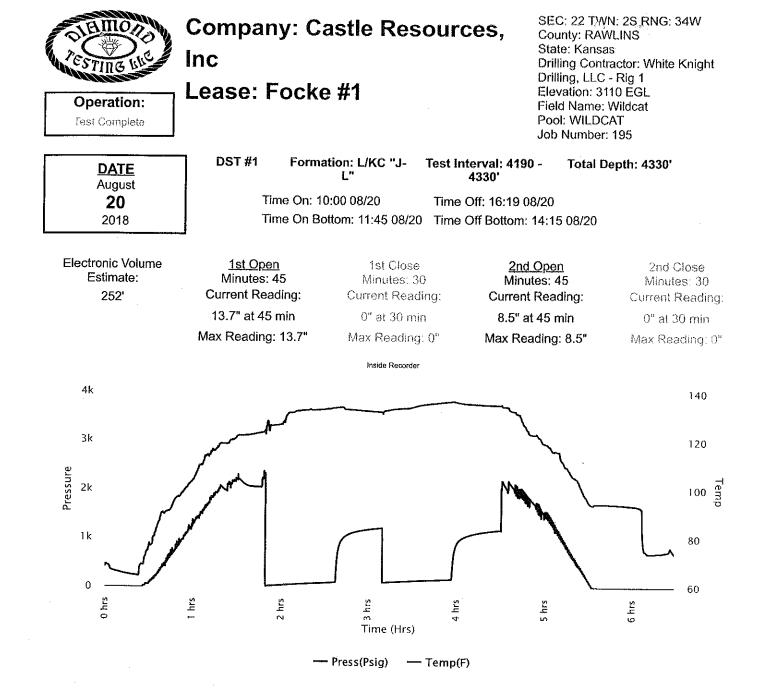
GLOBAL OIL FIELD SERVICES, LLC

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IF PAID IN 30 DAYS

GLOBAL OIL FIELD SERVICES, LLC

	D SCHWICES, CEO 3151X
REMIT TO 24 S. Lincoln	SERVICE POINT:
Russell, KS 67665	Ausse 11 KS
DATE 8-22-18 SEC. TWP. RANGE CA	ALLED OUT ON LOCATION JOB START JOB FINISH
	W St A+ Wood KS-0 415 Rewlins 15
LASE Focke Well#. 1 LOCATION 4 North	
DED OR NEW (CIRCLE ONE)	westinto
CONTRACTOR White Knight Drilling Rig #1	OWNER Casele Kes
TYPE OF JOB Rotery Plus HOLE SIZE 77 T.D. 4700	CEMENT
CASING SIZE DEPTH	AMOUNT ORDERED 2465X 60140 POZ
TUBING SIZE DEPTH	4.70 Get by the Flow sout por
DRILL PIPE DEPTH	i Anglia ante di Stata ng bana ante di Stata Na stata ng bana ante di
RES. MAX MINIMUM	COMMON@
AEAS, LINE SHOE JOINT	POZMIX@
EMENT LEFT IN CSG.	GEL
ERFS	CHLORIDE @
IISPLACEMENT EQUIPMENT	ASC @
	@ @
UMP TRUCK CEMENTER Cody	
YOG HELPER Ø Jason	<u> </u>
379 DRIVER Tan	@
ULK TRUCK	@ @
DRIVER	@
	HANDLING@
	MILEAGE
7950 REMARKS:	TOTAL
2052	
<u>2300 / 1005x</u>	SEBVICE .
	SERVICE
350 50 50 50 50 50 50 50 50 50 50 50 50 5	
	DEPTH OF JOB
<u>40' 105x Wiper plug</u>	DEPTH OF JOB PUMP TRUCK CHARGE@
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40' 105x Wiperplug Rathole 305X	DEPTH OF JOB PUMP TRUCK CHARGE @ EXTRA FOOTAGE @ MILEAGE @ MANIFOLD @
HARGE TO: Castle Resources	DEPTH OF JOB
40' 105x Wiper plug Rathole 305X HARGE TO: Castle Resources TREET	DEPTH OF JOB PUMP TRUCK CHARGE @ EXTRA FOOTAGE @ MILEAGE @ MANIFOLD @ @ @ TOTAL
40' 105x Wiper plug Rathule 305X HARGE TO: Castle Resources TREET	DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE MANIFOLD @ @ @ @ @ @ @ @ @ @ @
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40' 105x Wiper plug Nathule 305X HARGE TO: Castle Resources IREET ITY ITY STATE Alobal Oil Field Services, LLC You are hereby requested to rent cementing equipment and	DEPTH OF JOB
YO' IOSX Wiper $plug$ Rathule 30 \$X HARGE TO: Castle Resources IREET ITY STATE ZIP Alobal Oil Field Services, LLC Ito are hereby requested to rent cementing equipment and urnish cementer and helper(s) to assist owner or contractor to	DEPTH OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE @ MANIFOLD @ @ TOTAL PLUG & FLOAT EQUIPMENT @ @ @ @ @ @ 0 _
YO 105x Wiper $plug$ Dathule 30 50 HARGE TO: Castle Descurres IREET ITY STATE ZIP Alobal Oil Field Services, LLC ItC You are hereby requested to rent cementing equipment and urnish cementer and helper(s) to assist owner or contractor to o work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and	DEPTH OF JOB
YO' Iosx Wiper $plug$ Dathole 30.5X HARGE TO: Castle Descures TREET	DEPTH OF JOB
YO' Iosx Wiper $plug$ Dathole 30.5X HARGE TO: Castle Descures TREET	DEPTH OF JOB
YO 105x Wiper plug Lathole 305X CHARGE TO: Castle Pessources TREET	DEPTH OF JOB
YO 105x Wiper plug Lathole 305X CHARGE TO: Castle Person TREET	DEPTH OF JOB
40' 105x Wiper plug Rathole 305X CHARGE TO: Castle Resources TREET	DEPTH OF JOB



.

Operation: Test Complete	Compa Inc Lease:	S , (S C E F F	SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat Pool: WILDCAT Job Number: 195					
DATE	DST #1	Formation L		Test Interv 433		Total E	Depth: 433	30'
August 20	-	Fime On: 10:00	08/20	Time Off:	16-10 08/	20		
2018		Fime On Bottom				4:15 08/20		
L								
Recovered				Gas %				
Foot BBL		Description of Fluid			<u> Oil %</u>	<u>Wa</u>	ter %	Mud %
88 1.252	-	our on			0	1	8	82
63 0.896		HMCW			0	5	55	45
126 1.792	298	SLMCW		0	0	8	37	13
Total Recovered: 2 Total Barrels Reco		71 Revers	ed Out O	2	Recov	very at a g	lance	
Initial Hydrostatic Pre	ssure 21	07 F	PSI					
Initia	Flow 30 to	o 113 F	2SI ដ្ឋ					
Initial Closed in Pres	ssure 12	28 P	°SI	1				
Final Flow Pre	ssure 114 t	o 178 F	SI					
Final Closed in Pres	ssure 11	84 P	SI	0				
Final Hydrostatic Pres	ssure 21	2103 PSI		U			Recovery	
Temper	rature 13	38	°F		_		-	
					🖲 Gas		🖲 Water	Mud
Pressure Change Close / Final		.6	%		0%	0%	57.8%	42.2%

Operation:	Company: Castle Resources, Inc Lease: Focke #1			SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat	
Test Complete				Pool: WILDCAT	
LI			٩.	Job Number: 195	
<u>DATE</u> August	DST #1	Formation: L/KC "J- L"	Test Interval: 4190 - 4330'	• Total Depth: 4330'	
20	Tin	ne On: 10:00 08/20	Time Off: 16:19 08/	20	
2018	Tìn	ne On Bottom: 11:45 08/20) Time Off Bottom: 14	4:15 08/20	
BUCKET MEASUREMENT	•	45			

1st Open: 1/2 in. blow building. BOB in 33 mins. 45 secs. 1st Close: No blow back.

2nd Open: 1/4 in. blow building to 8 1/2 ins. in 45 mins. 2nd Close: No blow back.

REMARKS: Light scum of oil throughout 278 ft. recovery.

Tool Sample: 0% Gas 5% Oil 68% Water 27% Mud

Ph: 7

Measured RW: .17 @ 82 degrees °F

RW at Formation Temp: 0.104 @ 138 °F

Chlorides: 33,000 ppm



Operation:

Test Complete

Company: Castle Resources,

Lease: Focke #1

Inc

SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat Pool: WILDCAT Job Number: 195

Total Depth: 4330'

DATE	
August	
20	
2018	

DST #1 Formation: L/KC "J-

L"

Test Interval: 4190 -4330'

Time On: 10:00 08/20 Time Off: 16:19 08/20 Time On Bottom: 11:45 08/20 Time Off Bottom: 14:15 08/20

Down Hole Makeup

Heads Up:	16.76 FT	Packer 1:	4185 FT
Drill Pipe:	4181.6 FT	Packer 2:	4190 FT
ID-3 1/2		Top Recorder:	4177 FT
Weight Pipe:	FT	Bottom Recorder:	4323 FT
ID-2 7/8		Well Bore Size:	7 7/8
Collars: ID-2 1/4	FT	Surface Choke:	1"
Test Tool:	26.16 FT	Bottom Choke:	
ID-3 1/2-FH	20.10 F1	Bottom Choke.	5/8"
Total Anchor:	140		
Anchor	Makeup		
Packer Sub:	1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	1 FT		
Drill Pipe: (in anchor): ID-3 1/2	126 FT		

Change Over: 1 FT

Perforations: (below): 8 FT 4 1/2-FH

Operation: Test Complete	Company: Castle Resources, Inc Lease: Focke #1			SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat Pool: WILDCAT Job Number: 195		
DATE August	DST #1	Formation: L/KC "J- L"	Test Interval: 4190 4330'	Total Depth: 4330'		
20		Time On: 10:00 08/20	Time Off: 16:19 08	/20		
2018		Time On Bottom: 11:45 08/20	Time Off Bottom: 1	4:15 08/20		
	-	Mud Proper	ties			

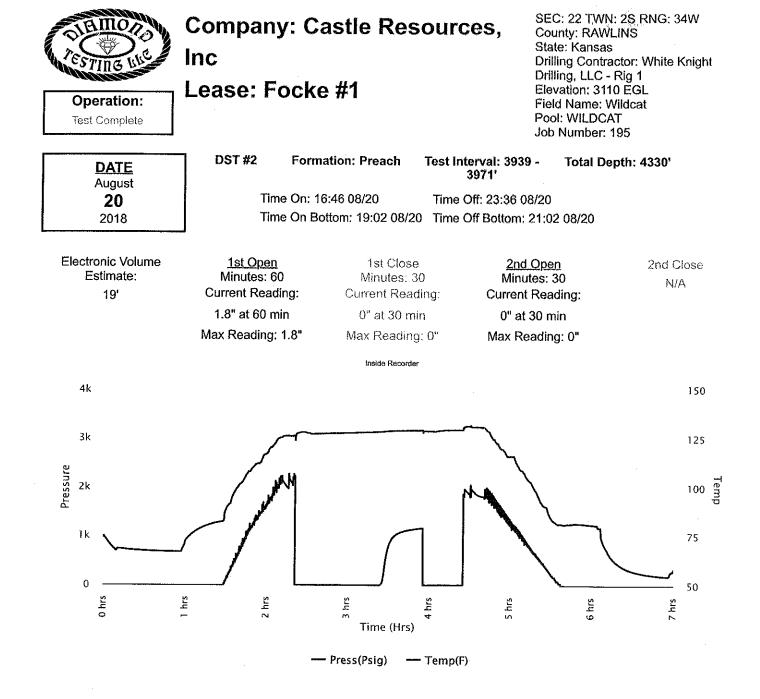
Mud Type: Chemical

Weight: 9.4

Viscosity: 45

Filtrate: 11.2

Chlorides: 2,000 ppm



Operation: Test Complete	Lease: Focke #1				SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat Pool: WILDCAT Job Number: 195		
DATE	DST #2	Formation: Preach	n Test Interv 397	The second	Total Dep	oth: 4330'	
August 20 2018		On: 16:46 08/20 On Bottom: 19:02 0	Time Off:	23:36 08/20 3ottom: 21:02	2 08/20		
Recovered							
Foot BBLS		otion of Fluid	<u>Gas %</u>	<u>Oll %</u>	Water		
25 0.3557	75 S	IWCM	0	0	2	98	
Total Recovered: 25 Total Barrels Recov		Reversed Out NO		Recover	y at a glai	nce	
Initial Hydrostatic Pres	sure 2093	PSI					
Initial							
Initial Closed in Pres	sure 1183	PSI	ත				
Final Flow Pres	sure 23 to 26	PSI					
Final Closed in Press	sure O	PSI	0				
Final Hydrostatic Press	sure 1912	PSI			R	ecovery	
Tempera	ature 130	°F		Cor.	🖲 oil 🖷	Water 🔮 Mud	
Pressure Change I Close / Final C		%		Gas 0%	0%	Water ● Mud 2% 98%	

Operation:	Company: Castle Resources, Inc Lease: Focke #1			SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat	
-				Pool: WILDCAT	
Test Complete			-	b Number: 195	
DATE August	DST #2	Formation: Preach	Test Interval: 3939 - 3971'	Total Depth: 4330'	
20	Tir	ne On: 16:46 08/20	Time Off: 23:36 08/20)	
2018	Tir	ne On Bottom: 19:02 08/2	0 Time Off Bottom: 21:0	02 08/20	
BUCKET MEASUREMENT 1st Open: Weak, surface		1 3/4 ins. in 60 mins.			

Weak, surface blow building 1 3/4 ins. in 60 mins. to

1st Close: No blow back.

2nd Open: No blow. No build. Pulled tool.

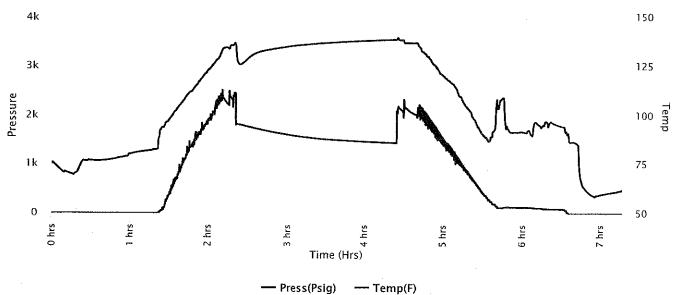
REMARKS:

Several oil specks in 20 ft. recovery.

Below Straddle Max PSI: 1807

Tool Sample: 0% Gas 2% Oil 4% Water 94% Mud

Below Straddle Recorder





Operation:

Test Complete

Company: Castle Resources,

Lease: Focke #1

SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat Pool: WILDCAT Job Number: 195

ľ	DATE
	August
	20
	2018
_	

DST #2 Formation: Preach Test Interval: 3939 -Total Depth: 4330' 3971' Time On: 16:46 08/20 Time Off: 23:36 08/20 Time On Bottom: 19:02 08/20 Time Off Bottom: 21:02 08/20

Down Hole Makeup

Heads Up:	15. 43 FT	Packer 1:	3933.5 FT
Drill Pipe:	3928.77 FT	Packer 2:	3939 FT
ID-3 1/2		Packer 3:	3971 FT
Weight Pipe: ID-2 7/8	FT	Top Recorder:	3925.5 FT
Collars:	FT	Bottom Recorder:	3944 FT
ID-2 1/4		Below Straddle Recorder:	4322 FT
Test Tool:	26.66 FT	Well Bore Size:	7 7/8
ID-3 1/2-FH		Surface Choke:	1"
Total Anchor:	32	Bottom Choke:	5/8"
Anchor Packer Sub:	<u>Makeup</u> 1 FT		
Perforations: (top): 4 1/2-FH	3 FT		
Change Over:	FT		
Drill Pipe: (in anchor): ID-3 1/2	FT		
Change Over:	FT		
Perforations: (below): 4 1/2-FH	28 FT		
	DDLE		
Straddle Packer(s):	1 FT		
Change Over:	1 FT		
Drill Pipe: ID-3 1/2"	348 FT		
Change Over:	1 FT		
Perforations (in tail pipe): 4 1/2-FH	9 FT		

Operation: Test Complete	Inc	iy: Castle Res Focke #1	OUFCES, Co St Di Di El Fi Po	SEC: 22 TWN: 2S RNG: 34W County: RAWLINS State: Kansas Drilling Contractor: White Knight Drilling, LLC - Rig 1 Elevation: 3110 EGL Field Name: Wildcat Pool: WILDCAT Job Number: 195		
DATE August	DST #2	Formation: Preach	Test Interval: 3939 - 3971'	Total Depth: 4330'		
20	Ti	me On: 16:46 08/20	Time Off: 23:36 08/2	0		
2018	Ti	me On Bottom: 19:02 08/20) Time Off Bottom: 21:	02 08/20		
		Mud Prope	rties			

Mud Type: Chemical

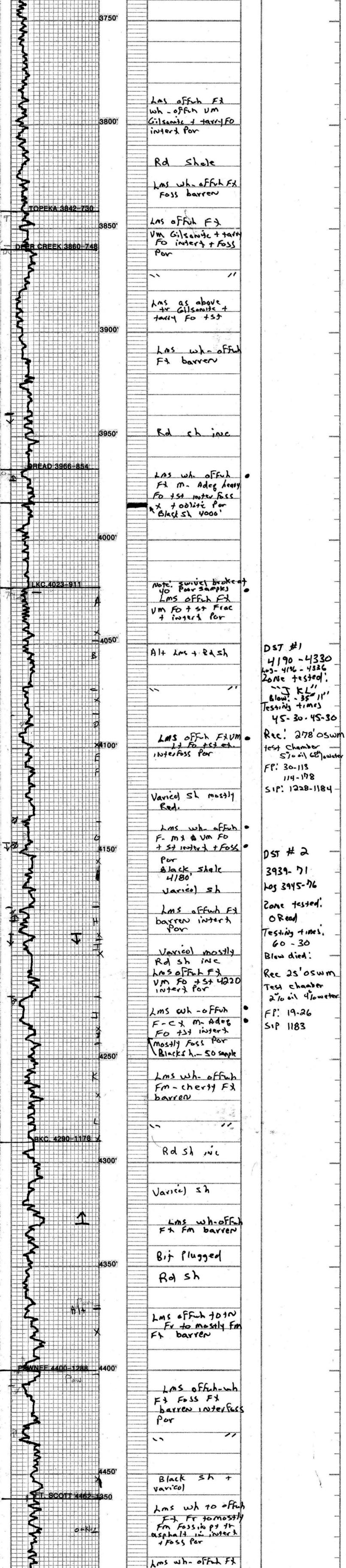
Weight: 9.5

Viscosity: 55

Filtrate: 12.0

Chlorides: 2,000 ppm

CHEROKEE MISS CONTRACTOR WHITE KNIGHT DRLG. BTD ANHY. TOPEKA DEER CREEK SPUD 8-15-18 SEC 22 COMPANY Castle Resources G GEOLOGIST ON WELL 18TH- TD GEOLOGICAL SUPERVISION FROM 3800 SAMPLES EXAMINED FROM 3800. SAMPLES SAVED FROM 3800Y COUNTY RAWLINS FIELD WC. DRILLING TIME KEPT FROM 3600. MUD UP 3600 RTD 4700 LOCATION 2445'FSL 1880'FWL LEASE FOCKE#1 PAWNEE BKC KC FORMATION TOPS (Langer SCOT m 0 CONSULTING GEOLOGIST カカイ (one 0 G TWSP 2S G 3864-752 3972-860 4031-919 4296-1184 4406-1294 4468-1356 4468-1356 4522-1410 (OMP 8-22-18 1706-1 Z 66-0-LTD STATE KS. **TYPE MUD** 177 106 70 m 1594 m š Z T. RGE 34W 0 20 3860-748 3966-854 1001 100-1288 162-1350 516-1404 560-1548 3-9 12-2941 210 42-730 SAMPLES T DRILLING TIME AND SAMPLE LOG 1588 PHONE: 785-625-5155 4350 Keystone Rd HAYS, KS 67601 From KB. Measurements 6 07 TO TO SURFACE @ 293/225SKS. KB 3112 TO TD TO ID. TO TD. PRODUCTION ELECTRICAL SURVEYS DIL/ND/MICRO 3107 ELEVATIONS CASING Are . Terres REMARKS than well Lower Val Ho Focke Neavest and ists we C(two) 09 Needea vuc ture e 15 1140 All Partie low, have 104 tops lugging ectt recommended resp LEGEND D 0 D 4 'n 0 0 0 C D A ō ó Carb sh Sandstone Shale Chert Anhydrite Salt Limestone **Ool.**Lime Dolomite **DRILLING TIME IN MINUTES** PER FOOT LITHOLOGY **OIL SHOWS Rate of Penetration Decreases** DEPTH REMARKS 10" 5" 15" SAMPLE DESCRIPTIONS 3600 3650 3700



2 10 oil 4 loweter

Fr - FM 4500 Varicol sh. HEROKEE4516 55 Liney cluster ss single grains Poorly sorged and Vie shows or Floor. 4550 ss F. C gr Poorly sorged single grains No show Varicol Shine 4600 4600" 11 SS F. Car single grains No show 4650 Dol F X offul barren + Cherty Lms Fit barren Varicolored LAS, cherty F-crypto & varical RTD4700-1588 4700' barren 4750 LITHOLOGY OIL SHOWS 10" 15" REMARKS SAMPLE DESCRIPTIONS **DRILLING TIME Minutes/Foot** DEPTH **Rate of Penetration Decreases** CONTRACTOR_____ _____ LOCATION_____ LEASE_______ IP_____ SEC_____TWP_____ RNG___ ELEVATION______ RTD_____ COUNTY_____ STATE__