KOLAR Document ID: 1522371

Confident	tiality 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 -	DESCRIPT	NFII &	IFASE
VVELL		DESCRIPT		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.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
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 #:	Location of fluid disposal if hauled offsite:
EOR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Canad Data are Data Dasabad TD Completing Data are	Quarter Sec TwpS. R East West
Spud Date orDate Reached TDCompletion Date orRecompletion DateRecompletion 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: 1522371

Operator Name:	Lease Name: Well #:
Sec TwpS. 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 Sh	acate)	Y	′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 Use	d		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	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		-	·	nit ACO-4)	юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	JHT 1-14
Doc ID	1522371

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.25	8.625	23	356	common	60/40 POZ (3% cc)
Production	7.875	5.5	15.5	5155	EA2	1/4 # Flocele



HURRICANE SERVICES INC

tion tion				+ 11-114				Date	5/20/2020	2020
Alter Alter <th< th=""><th>Service District</th><th>Daklev KS</th><th></th><th>ounty & State</th><th>Greeley KS</th><th>Legals S/T/R</th><th>14-16-42</th><th>Job #</th><th></th><th></th></th<>	Service District	Daklev KS		ounty & State	Greeley KS	Legals S/T/R	14-16-42	Job #		
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CUSTOMER AUTHORIZATION SIGNATURE

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366 ft Victor / SG 7.29 gal / SK Page Number / SG Num	Hole Size	۲ ۵	2.25 in		1.1.624	Weight:	13.8 #/ sx	ין ט	ass A	00.00	4144
5 05 Int 10 S 05 Int 10 C 43 TFT ist 0000ttt C 43 TFT ist 0000tt C 43 TFT ist 000tt C 44 TFT ist 00tt C 44 TFT ist 00tt <thc 44="" ist<br="" tft="">00tt <thc 44="" ist<br="" tft="">00tt<td>Hole Depth</td><td></td><td>356 ft</td><td></td><td></td><td>Water / Sx:</td><td>7.29 gal / sx</td><td><u>a</u> (</td><td>20</td><td>00.01</td><td>241</td></thc></thc>	Hole Depth		356 ft			Water / Sx:	7.29 gal / sx	<u>a</u> (20	00.01	241
33 11 Constant 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0735 0.0135	Casing Size		8 5/8 lr			Yield:	1.47 ft" / sx	2 0	1.1	00 8	361
In Motion	Casing Depth		343 fi			Bbls / Ft.:		<u>, </u>			
ft Annular Volume: 0 bbis Result Re	rubing / Liner			E		Depth:	¥	<u>ا</u> د	ypsum		
Intercent Encents Encent Encents Encents <	Depth	Ë	5			Annular Volume:	0 bbls	2	letso		
It Cotal Stands 6.6.4 bils FIe Seal U.20 21.7 bils cort to LOCATION Satit (bww) U.20 V.20 1 averative scates zeo sx retradacks U.20 V.20 1 svertive metrind svertive metrind U.20 V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 V.20 1 svertive metrind svertive metrind Satit (bww) V.20 </td <td>Tool / Packer</td> <td>E</td> <td></td> <td>Ι</td> <td>22% }</td> <td>Excess:</td> <td></td> <td><u>× </u></td> <td>ol Seal</td> <td></td> <td>L.C.</td>	Tool / Packer	E		Ι	22 % }	Excess:		<u>× </u>	ol Seal		L.C.
21.7 BMS Total Sacks 260 sx Total Total 1 acr to LocATION acretic with and acress acress acretic with and acress acres acres acress	Dent	 	F			Total Slurry:	65.4 bbis	<u>* </u>	lo Seal	cz.U	60
Phote Plot Corrotocation P Arter weerines Skerry weerines P Skerry structure Notese Dup Sk Skerry structure Skerry structure Sk Skerry structure Skerry structure Skerry structure Skerry structure Skerry structure Skerry structure Skerry structure Structure	Displacemen	L.	21.7 b	pls		Total Sacks:	250 sx	<u></u>	ialt (bww)	Total	
MAL SAFETY MEETING PE SAFETY MEETING PE SAFETY MEETING PE SAFETY MEETING RIGGED UP RIGGED UP RIG 50 56 H30 AIFLD A 12 ID SUSS OF 604002 A 13 300 5 K1 20 SIS OF 604002 A 13 10 D SUN A NAHED UF TRUCK A 13 000 311 A 13 000 12 A 14 0500NI A 15 050NI A 16 051 A 17 051 A 17 051				~ 100			RE	EMARKS			
SAFETY MEETING 3000 50 RedeB UP 3000 51 IDEPLACED WITH H20 3000 31 DEPLACED WITH H20 3000 31 DEPLACED WITH H20 3000 11 DEPLACED WITH H20 3000 12 DEPLACED WITH H20 3000 17 DEPLACED WITH H20 9 PLUE ODVIN PLUE ODVIN 9 PLUE ODVIN PLUE ODVIN 1 PLUE ODVIN PLUE ODVIN	5				GUT TO LOCATIC	NC					
Inside Insid Insid Insid <td>800r</td> <td>+</td> <td>+-</td> <td></td> <td>SAFFTY MEETIN</td> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td>	800r	+	+-		SAFFTY MEETIN	9					
300 5.0 Handburg 35.0 6.4 200 AHE ADD 35.0 6.4 200 AHE ADD 35.0 6.4 200 AHE ADD 35.0 6.1 200 AHE ADD 35.0 7.1 DisPLACED WITH H20 1 PLUG DOWN washed up TRUCK 1 Ridged DOWN mashed up TRUCK 1 CFF LOCATION cere Location 1 CFF LOCATION mashed up track 1 CFF LOCATION mashed up track </td <td>8054</td> <td></td> <td>╞</td> <td>Ι</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	8054		╞	Ι							
300.0 53.0 66.4 350.66 (61/07) 300.0 21. EUG DOWN NAHED UF TRUCK MASHED UF TRUCK NashED UF TRUCK Note to control OFF LOCATION OFF LOCATION				1	RIGGED OF						
3600 878 Resent Continue 3000 211 Disputation Note Puice DOWN Redeet DOWN Mashier Note Control Note Note Note Stem Note Stem Note Stem Note Stem Note Stem Note Stem			300.0	0.0	TAU ATILAU	60					
300.0 Z1.1 UBENCACED PLUE DOWN RUCK RIVER DOWN TRUCK RIVER DOWN PLUE DOWN OFF LOCATION Italia Thrasher 205			350.0	4.00							
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WashEDUP TRUCK IndestEDDOWN OFF LOCATION Ochoward Index Calaborary Jesse Jones Jesse Jones Josh Mosier Jasse Jones Jasse Jones Jasse Jones Jasse Jones Jasse Jones Josh Mosier Josh	115A	+	T		PLUG DUWN						
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OFF LOCATION OFF LOCATION OF Osh Mosier Jase Jones 230 Jese Jones 230	120A				RIGGED DOWN						
CREW CREW	130A				OFF LOCATION						
CREW CREW											
CREW CREW											
CREW Solid Mosier Travis Thrasher Travis Thrasher CREW Solid Travis Thrasher 205 Travis Thrasher 205											
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CREW CREW Josh Mosier Josh Mosier Jesse Jones Travis Thrasher 205 5 bpm 317 psi											
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CREW SUMMARY CREW UNIT Josh Mosier 73 Josh Mosier 73 Jesse Jones 230 Travis Thrasher 205											
CREW UNIT SUMMARY Josh Mosier 73 Average Rate Average Pressure To Jesse Jones 230 5 bpm 317 psi To Travis Thrasher 205 5 bpm 317 psi To		-+									
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Josh Mosier (3 Jesse Jones 230 5 bpm 317 psi Travis Thrasher 205			CREV	~			Ave	rane Rate	Average Pressure		al Fluid
Jesse Jones 230 230 Commenter 205	Cemer	nter:	los	h Mosie		6)		t hnm	317 DSi		92 bbls
Travis Thrasher	Pump Opera	ator:	Jesi	se Jone	\$	230	<u> </u>				
	Bulk	k #1:	Trav	vis Thra	sher	205					

Hurricane Services, Inc. 250 N. Water Wichita, KS 67202

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VESTING / NC T/01 E Kellogg Dr Ste 710 Website. JHT 1-14 Job Ticket: 66833 DST#:1 Job Ticket: 66833 GENERAL INFORMATION: ATTN: Ryan Davis Test Start: 2020.05.27 @ 05.21.45 GENERAL INFORMATION: Formation: Morrow Divided: No Whipstock: ft (KB) The Test Ended: 15.66.15 Unit No: 70 Interval: 4330.00 ft (KB) To 4983.00 ft (KB) Test Type: Conventional Bottom Hole (Reset) Time Test Ended: 15.66.15 Unit No: 70 Reference Bevations: 3905.00 ft (KB) Start Date: 2020.05.27 End Date: 2020.05.27 Last Casib: 2020.05.27 @ 011.03.45 Start Date: 2020.05.27 Last Casib: 2020.05.27 @ 011.03.45 Time Off Btm: 2020.05.27 @ 011.03.45 TEST COMMENT: F: Bauged gas F: Were Weid off. Time Off Btm: 2020.05.27 @ 011.03.45 Time Off Btm: 2020.05.27 @ 011.03.45 Test Comment: Start Date: Start Date: 2020.05.27 @ 11.03.45 Time Off Btm: 2020.05.27 @ 11.03.45 Test ComMENT: F: Bauged gas F: Were weight off. Time Off Btm: 2020.05.27 @ 11.03.45 Time Off Btm:	RILOBITE	Red Oak		14-	16-42 Gi	reeley K	s	
Test Start: 2020.05.27 @ 05:21:45 Test Start: 2020.05.27 @ 05:21:45 SENERAL INFORMATION: formation: Morrow Deviated: No Withestock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Time Test Ended: 15:56:15 Test Type: Conventional Bottom Hole (Reset) Test Start: 2020.05:27 Bottom Type: Type: Conventional Bottom Hole (Reset) Start Time: Test Start: 2020.05:27 Bottom Type: Conventional Bottom Hole (Reset) Start Date: Capacity: Bottom Type: Conventional Bottom Hole (Reset) Start Date: Colspan="2">Conventional Bottom Hole (Reset) Start Date: <t< td=""><td>TESTING , INC.</td><td></td><td></td><td></td><td></td><td>633</td><td>DST</td><td>#· 1</td></t<>	TESTING , INC.					633	DST	#· 1
Semantion: Morrow Deviated: No Winjstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 05314:45 Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 05314:45 Test Type: Conventional Bottom Hole (Reset) Time Tool Opened: 0530:00 ft (KB) To 4933.00 ft (KB) (TVD) State 3795.00 ft (KB) Serial #: 8674 Outside Capacity: 8000.00 psig Serial #: 2020.05.27 End Date: 2020.05.27 Bot Date: 2020.05.27 @ 08:10.16 Start Date: 05:21:50 End Time: 15:56:15 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: 2020.05.27 @ 08:10.16 Time Off Btm: PEOB in 1 min. Gas to surface in 3 min. BS: Non-tin(1) <td< td=""><td></td><td>ATTN: Ryan Davis</td><td></td><td></td><td></td><td></td><td>-</td><td></td></td<>		ATTN: Ryan Davis					-	
Aeviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset) Ime Test Ended: 15:56:15 Test Type: Conventional Bottom Hole (Reset) Test Type: Sandon Turley Ime Test Ended: 15:56:15 Test Type: Conventional Bottom Hole (Reset) Test Type: Conventional Bottom Hole (Reset) Total Depth: 5160:00 ft (KB) To 4983.00 ft (KB) (TVD) Sandon Turley Unit No: 78 Serial #: 8674 Outside Association: Gasciation: 2020.05:27 Est Capacity: 8000.00 psig Sant Date: 2020.05:27 End Date: 2020.05:27 Est Capacity: 8000.00 psig Time Of Bitm: 2020.05:27 Est Capacity: 8000.00 psig Est Capacity: 8000.00 psig Sant Date: 2020.05:27 Est Capacity: 8000.00 psig Est Capacity: 8000.00 psig Site Ver bled off. Fr: Gascity: Fre: Gauged gas Fre: 177.80 Initial Hydro-static Site Ver bled off. Fre: Site Ver bled off. Time Off Bitm: 137.81 Shut-h(1) 137.21 Shut-h(1) Sit	GENERAL INFORMATION:							
The Depth: 5160.00 ft (KB) (TVD) 3795.00 ft (CF) Note Dameter: 7.88 inchesHole Condition: Good KB to GR/CF: 10.00 ft Serial #: 8674 Outside 800.00 psig 800.00 psig hers @RunDepth: 2020.05.27 End Date: 2020.05.27 Last Calib.: 2020.05.27 @ 08:10:15 Start Time: 05:21:50 End Time: 15:56:15 Time On Btm: 2020.05.27 @ 08:10:15 Time: Disclever bled off. FF: Gauged gas FS: Never bled off. Time On Btm: 2020.05.27 @ 11:03:45 Time: Serial #: 2020.05.27 Last Calib.: 2020.05.27 @ 11:03:45 Start Date: EEST COMMENT: FE:BOB in 1 min. Gas to surface in 3 min. Stresserial #: 020.05.27 @ 11:03:45 Start Date: Start Date: Start Off. FF: Gauged gas FS: Never bled off. Time On Btm: 2020.05.27 Start Date: Start Date: Start Off. FS: Never bled off. FS: Never bled off. Start Date: Start Date: <td< td=""><td>Deviated: No Whipstock: Time Tool Opened: 08:14:45</td><td>ft (KB)</td><td></td><td>Test</td><td>ter: E</td><td>Brandon Tu</td><td></td><td>Hole (Reset)</td></td<>	Deviated: No Whipstock: Time Tool Opened: 08:14:45	ft (KB)		Test	ter: E	Brandon Tu		Hole (Reset)
Press@RunDepth: 499.25 psig @ 493.100 ft (KB) Capacity: 8000.00 psig Start Time: 05:21:50 End Time: 15:56:15 Time On Btm: 2020.05.27 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 08:00.00 psig 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 08:00.00 psig 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 08:00.00 psig 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 10:03:45 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 10:03:45 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 11:03:45 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 11:03:45 2020.05.27 08:10:15 Time On Btm: 2020.05.27 @ 11:03:45 2020.05.27 11:03:45 Time On Btm: 2020.05.27 @ 11:03:45 2020.05.27 11:03:45 Time On Btm: 2020.05.27 @ 13:23:0 Initial Hydro-static	Total Depth:5160.00 ft (KB) (TV	D)		Refe			3795.	00 ft (CF)
Pressure vs. Time PRESSURE SUMMARY Image: split sp	ress@RunDepth: 499.25 psig (itart Date: 2020.05.27 itart Time: 05:21:50 EST COMMENT: IF:BOB in 1 min. 0 IS: Never bled off FF: Gauged gas	End Date: End Time: Gas to surface in 3 min.		Last Calil Time On I	b.: Btm: 2		2020.05. @ 08:10:	27 15
Imme Pressure Temp Annotation Imme (psig) (deg F) (deg F) (deg F) Imme (min.) (psig) (deg F) (deg F) Imme (min.) (deg F) (deg F) (deg F) <td></td> <td>1.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		1.						
Length (ft) Description Volume (bbl) 124.00 mcw 90%w 10%m 0.61 378.00 Top of recovery gocw m 30%g 10%o 1 04.2250% First Gas Rate 0.75 29.00 677.90 Last Gas Rate 0.75 15.34 104.01						-		
124.00 mcw 90%w 10%m 0.61 First Gas Rate 0.75 29.00 677.90 378.00 Top of recovery gocw m 30%g 10%o 1 0%.2250% Last Gas Rate 0.75 15.34 104.01		2014 Tempendare 2014 Tempendare 100 100 100 100 100 100 100 10	(Min.) 0 5 33 53 54 111 172	Pressure (psig) 2625.51 386.25 450.20 540.25 400.73 499.25 535.73	Temp (deg F) 123.86 127.83 137.20 137.18 135.31 138.77 137.28	Annotati Initial Hydr Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut-	ion ro-static Flow (1)) In(1) Flow (2)) In(2)	
378.00 Top of recovery gocw m 30%g 10%o 1 94.2250% Last Gas Rate 0.75 15.34 104.01	200 200 200 200 200 200 200 200	2014 Tempendare 2014 Tempendare 100 100 100 100 100 100 100 10	(Min.) 0 5 33 53 54 111 172	Pressure (psig) 2625.51 386.25 450.20 540.25 400.73 499.25 535.73	Temp (deg F) 123.86 127.83 137.20 137.18 135.31 138.77 137.28 137.21	Annotati Initial Hydr Open To I Shut-In(1) End Shut- Open To I Shut-In(2) End Shut- Final Hydr	ion ro-static Flow (1)) In(1) Flow (2)) In(2)	
	200 200 200 200 200 200 200 200		(Min.) 0 5 33 53 54 111 172	Pressure (psig) 2625.51 386.25 450.20 540.25 400.73 499.25 535.73	Temp (deg F) 123.86 127.83 137.20 137.18 135.31 138.77 137.28 137.21	Annotati Initial Hyd Open To I Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr	ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static	Gas Rate (Mcf/d)
Max. Gas Rate 0.75 36.26 177.18	200 200 400 400 400 400 400 400	BOVE Temperature BOVE Temperature BOVE Temperature Tem	(Min.) 0 5 33 53 54 111 172 172 174	Pressure (psig) 2625.51 386.25 450.20 540.25 400.73 499.25 535.73 2473.90	Temp (deg F) 123.86 127.83 137.20 137.18 135.31 138.77 137.28 137.21 Gaa Choke (i	Annotati Initial Hydi Open To I Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr Shut-In(2) Shut-In(2) Shut-In(2) End Shut- Final Hydr	ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static	. ,
	200 200 200 200 200 200 200 200	BOVE Temperature BOVE Temperature BOVE Temperature Tem	(Min.) 0 5 33 54 111 172 174 First Ga Last Ga	Pressure (psig) 2625.51 386.25 450.20 540.25 400.73 499.25 535.73 2473.90 s Rate	Temp (deg F) 123.86 127.83 137.20 137.18 135.31 138.77 137.28 137.21 Gas Choke (i	Annotati Initial Hydi Open To I Shut-In(1) End Shut- Shut-In(2) End Shut- Final Hydr Final Hydr s Rates nches) Press 0.75	ion ro-static Flow (1)) In(1) Flow (2)) In(2) ro-static sure (psig) 29.00 15.34	677.90 104.01

	DRILL STEM TES	ST REP	ORT				
	Red Oak		14- 1	16-42 Gi	eeley K	s	
ESTING , INC.	7701 E Kellogg Dr Ste 710 Wichita, Ks 67207			1-14		D07#	
				Ticket: 66		DST#:	1
	ATTN: Ryan Davis		lest	Start: 20	20.05.27 @	05:21:45	
GENERAL INFORMATION:							
Formation: Morrow Deviated: No Whipstock: Time Tool Opened: 08:14:45 Time Test Ended: 15:56:15	ft (KB)		Test Test Unit	er: E	Convention Brandon Tu 79	al Bottom Ho Irley	ble (Reset)
Interval: 4930.00 ft (KB) To 49 Total Depth: 5160.00 ft (KB) (T\ (T\ Hole Diameter: 7.88 inches Hole (T\			Refe	erence Ele KB ti	vations: o GR/CF:) ft (KB)) ft (CF)) ft
Control # 0504 Delaw (Stred							
Serial #: 8524 Below (Strad Press@RunDepth: psig			Capacity:			8000.00) psia
Start Date: 2020.05.27	End Date:	2020.05.27	Last Calib			2020.05.27	
Start Time: 05:21:49	End Time:	15:54:44	Time On E Time Off I				
Pressure vs. T	ime 8024 Tempendure 140	Time	PR Pressure	RESSUR Temp	E SUMN Annotati		
2000		(Min.)	(psig)	(deg F)	Annotati	UII	
2000							
100							
		rafilina (dana F)					
Cine (Hours) GAMI SAMI 7 Wed May 2020 Time (Hours)	12PM 3PM						
Recovery			+	Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i		ure (psig)	Gas Rate (Mcf/d)
124.00 mcw 90%w 10%m	0.61	First Ga	s Rate	0).75	29.00	677.90
378.00 Top of recovery gocw m	30%g 10%o 10%4.2250%	Last Ga	s Rate	0).75	15.34	104.01
		Max. Ga	as Rate	0	0.75	36.26	177.18
* Recovery from multiple tests							
	Ref. No: 66633	-1			2020.05.27		

RILOBITE	Red Oak	14-16-42	16-42 Greeley Ks				
TESTING , INC	7701 E Kellogg Dr Ste 710 Wichita, Ks 67207	JHT 1-14					
	ATTN: Ryan Davis		Job Ticket: Test Start:		DST .27 @ 05:21:4		
GENERAL INFORMATION:							
Formation: Morrow Deviated: No Whipstock: Fime Tool Opened: 08:14:45 Fime Test Ended: 15:56:15	ft (KB)		Test Type: Tester: Unit No:		ntional Bottom on Turley	Hole (Reset)	
nterval:4930.00 ft (KB) To493Total Depth:5160.00 ft (KB) (TVHole Diameter:7.88 inches Hole			Reference K	Elevation B to GR/0	3795.	00 ft (KB) 00 ft (CF) 00 ft	
Serial #: 8790InsidePress@RunDepth:psigStart Date:2020.05.27Start Time:05:21:27	@ 4931.00 ft (KB) End Date: End Time:	2020.05.27 15:55:52	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000. 2020.05.	00 psig 27	
IS: Never bled off FF: Gauged gas FS: Never bled of	f.						
IS: Never bled off FF: Gauged gas FS: Never bled of	F. inne 570 Emponare 10 10 10 10 10 10 10 10 10 10	Time (Min.)	Pressure Tem (psig) (deg	Anr	JMMARY notation		
IS: Never bled off FF: Gauged gas FS: Never bled of Pressure vs. Ta	F iDLC 570 Ferromane 570 Ferro	(Min.)	Pressure Tem (psig) (deg ////////////////////////////////////	Anr F) Gas Rat	es Pressure (psig)	Gas Rate (Mcf/d)	
FF: Gauged gas FS: Never bled of Pressure vs. T3 FSP Presure 200 400 400 400 400 400 400 400 400 400	F. imc 570 Temponare 570 Temponar	(Min.)	Pressure Tem (psig) (deg // (deg // (deg // (deg // (deg // (deg // (deg // (deg // (deg // (deg)/) / (deg // (deg)//	Anr F) Cas Rat Re (inches) 0.75	es Pressure (psig) 29.00	677.90	
IS: Never bled off FF: Gauged gas FS: Never bled of Pressure vs. Ta	F. imc 570 Temponare 570 Temponar	(Min.)	Pressure Temp (psig) (deg deg deg deg deg deg deg deg deg deg	Anr F) Gas Rat	es Pressure (psig)	, ,	

		ILL STEM TEST REPORT		F	LUID SUMMARY
	ITE Red O NG , INC 7701 E	ak	14-16-42 G	reeley Ks	
ESTI	NG , INC. 7701 E	7701 E Kellogg Dr Ste 710			
	Wichit	a, Ks 67207	Job Ticket: 6	6633	DST#:1
	ATTN:	Ryan Davis	Test Start: 2	020.05.27 @ 05	:21:45
Aud and Cushion Info	ormation				
<i>l</i> ud Type: Gel Chem		Cushion Type:		Oil API:	0 deg API
<i>I</i> ud Weight: 9.00 lb	-	Cushion Length:	ft	Water Salinity:	34000 ppm
/iscosity: 62.00 se		Cushion Volume:	bbl		
Vater Loss: 7.99 in		Gas Cushion Type:			
Resistivity: 0.00 ol Salinity: 3400.00 p		Gas Cushion Pressure:	psig		
ilter Cake: 1.00 in					
Recovery Information					
r		Recovery Table	T	1	
	Length ft	Description	Volume bbl		
ļ	124.00	mcw 90%w 10%m	0.610		
l	378.00	Top of recovery gocw m 30%g 10%o 10%w	4.218		
Tota	al Length: 502	2.00 ft Total Volume: 4.828 bbl			
Nun	n Fluid Samples: 0	Num Gas Bombs: 0	Serial #:		
Lab	oratory Name:	Laboratory Location:			

DRILL STEM TEST REPORT

GAS RATES



Red Oak

7701 E Kellogg Dr Ste 710

Wichita, Ks 67207

14-16-42 Greeley Ks

JHT 1-14

 Job Ticket:
 66633
 DST#:1

 Test Start:
 2020.05.27 @ 05:21:45

ATTN: Ryan Davis

Gas Rates Information

Temperature:	
Relative Density:	
Z Factor:	

RILOBITE TESTING , INC.

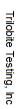
> 120 (deg F) 11.6 0.8

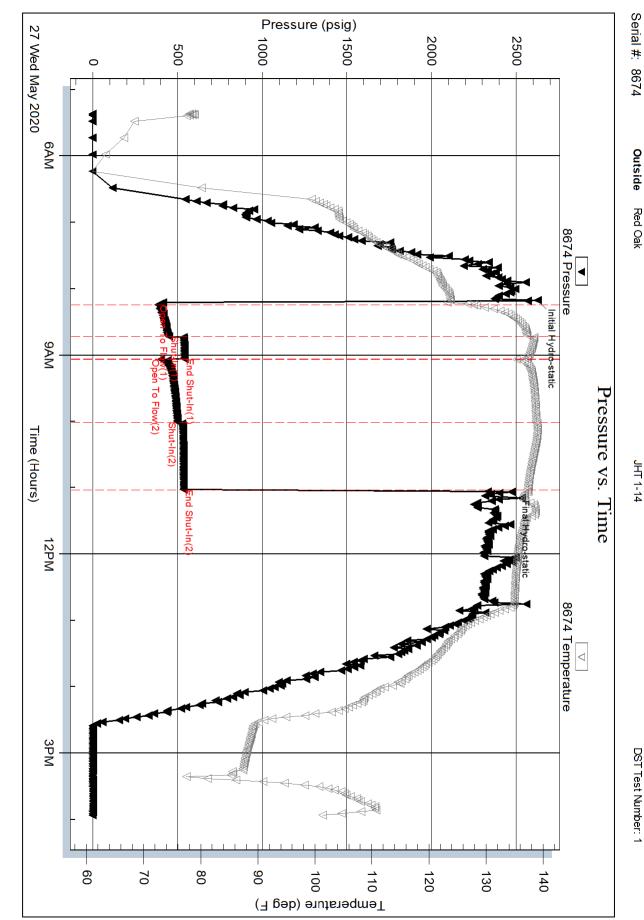
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.75	29.00	677.90
1	10	0.75	29.00	151.79
1	10	0.75	29.00	151.79
1	20	0.75	36.26	177.18
1	30	0.75	33.99	169.24
2	10	0.75	15.00	102.82
2	20	0.75	24.85	137.27
2	30	0.75	19.86	119.82
2	40	0.75	15.34	104.01

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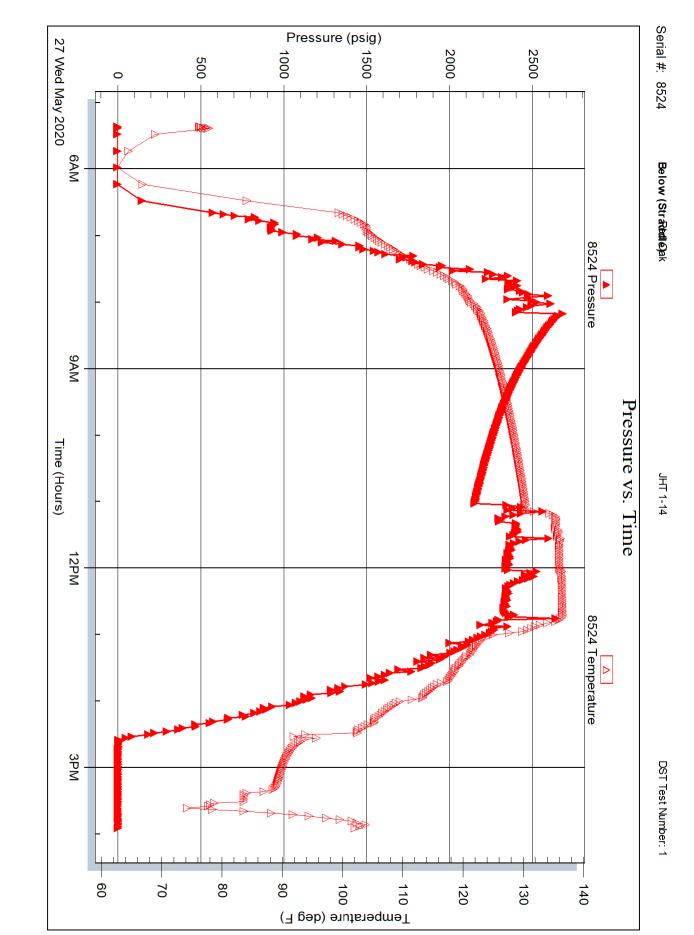


JHT 1-14

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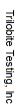
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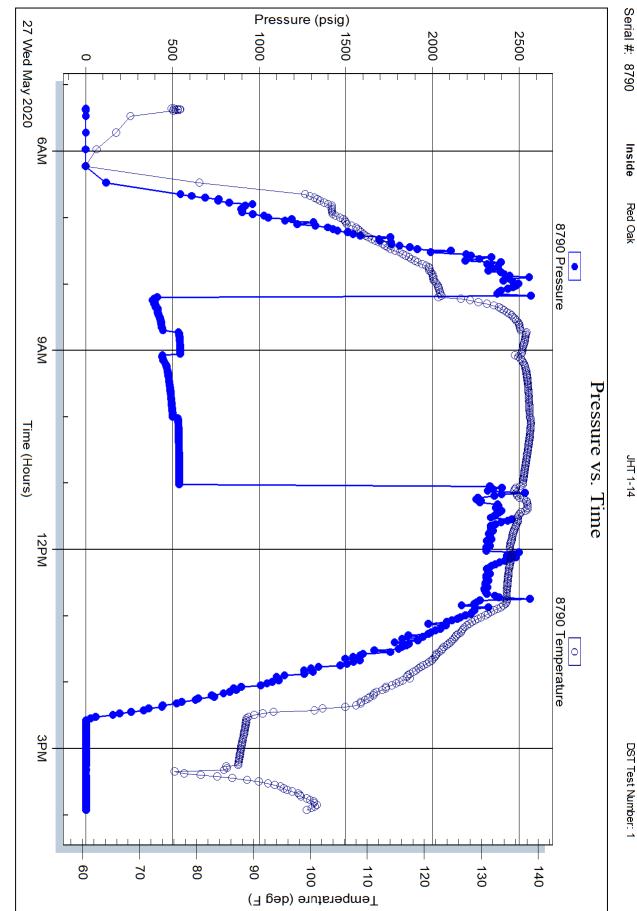




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LEGAL TERMS: Customer he	reby acknowledg	es and agrees	s to			SUR		AGREE		ISAGREE	P.1	7454	00
the terms and conditions on the	reverse side here	of which inclu	de,	REMIT PAYI	VENTTO:	OUR EQUIPMENT PER WITHOUT BREAKDOW	VN?				PAGE TOTAL	551/2	125
but are not limited to, PAYMEI LIMITED WARRANTY provision		NDEMNITY, a	ind	_		WE UNDERSTOOD AI MET YOUR NEEDS?	ND					F	, R5
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MUST BE SIGNED BY CUSTOMER OR CUS START OF WORK OR DELIVERY OF GOOD		OR TO		P.O. BO	X 466	WE OPERATED THE I AND PERFORMED JC				1	-	11047	24
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SWIFT OPERATOR Daux	A Ede	ne lto	APPRO	VAL	·····	د					7	Thank Yo	u!
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SW			iox 466			TICKET CONTINUATION				TICKET No.	33	154	
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12004 He # PAGE NO. DATE S-28-2 TICKET NO. -91ALS 3 04 \mathbf{N} TSMAR เก Ø. DESCRIPTION OF OPERATION AND MATERIALS N Ratter (205) Ŋ 3 R ٩. 55 3 ŧ RC RC Ø Insul SALLED 0 N と M ١) KLAC hole Rine Cuning 50 10 CATION N 2010-Zacy ~ Hesh 25 k cup 60 eupo ١ C Lisp Job apmaplete CMT ϕ X Lice MOUSE [[4] entrayzers Oluq 010 N Zax mid 5 6 JOB TYPE h Kelense psi e K David 00 0 Start SWIFT Services. Inc. Start hanks Jung Start Diep Breps ding -050 bud r Q line DUMP But R 10 BAS. 2100 2/1 PRESSURE (PSI) TUBING CASING LEASE POC SBO 205 200 R 1200 300 800 0 0 C PUMPS FACT VOLUME WELL NO. 1202 RA 120 ∞ 3 J 2.5 し SiS 5 S 330 Jon Cal TIME 230 000 P P P P 400 800 CUSTOMER JOB LOG 1500 CHART NO.

	MUD LOG
	WellSight Systems
	Scale 1:240 (5''=100') Imperial
	Measured Depth Log
Well Name:	JHT #1-14
	15-071-20893
	NE SE SW SE Sec 14-16S-42W
License Number:	Region:
Spud Date:	-
Surface Coordinates:	NAD27 Long: -101.9245778
	NAD27 Lat: 38.6562018
Bottom Hole	
Coordinates:	
Ground Elevation (ft):	3794 K.B. Elevation (ft): 3805
Logged Interval (ft):	
	Mississippian
Type of Drilling Fluid:	
	Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Red Oak Energy, Inc. Address: 7701 E. Kellogg STE 710 Wichita, KS 67207

GEOLOGIST

Name: Ryan Davis Company: Address:

Cores

No Cores

DSTs

DST #1 Upper Morrow Sand 4930' – 4983'. 30-20-60-60 mins. IF: BOB in 1 min, GTS in 3 min (MCF/D 10 min: 151 / 20 min: 173 / 30 min: 16). IFPs: 386-450# ISI: Never bled off. FF: GTS (10 mi: 102 / 20 min: 134 / 30 min: 117 / 40 min: 102 / 50 min: 94) FFPs: 400-499#. FSI: Never bled off. SIPs: 537-531#. Rec: 378' GOCWM (30% G, 10% O, 10% W, 50 %M), 124' MCW (90% W, 10% M).

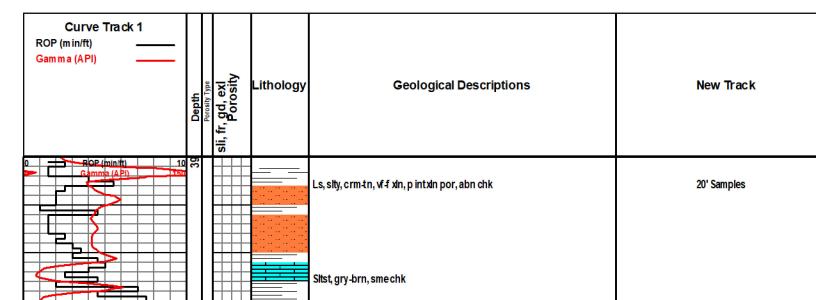
Comments

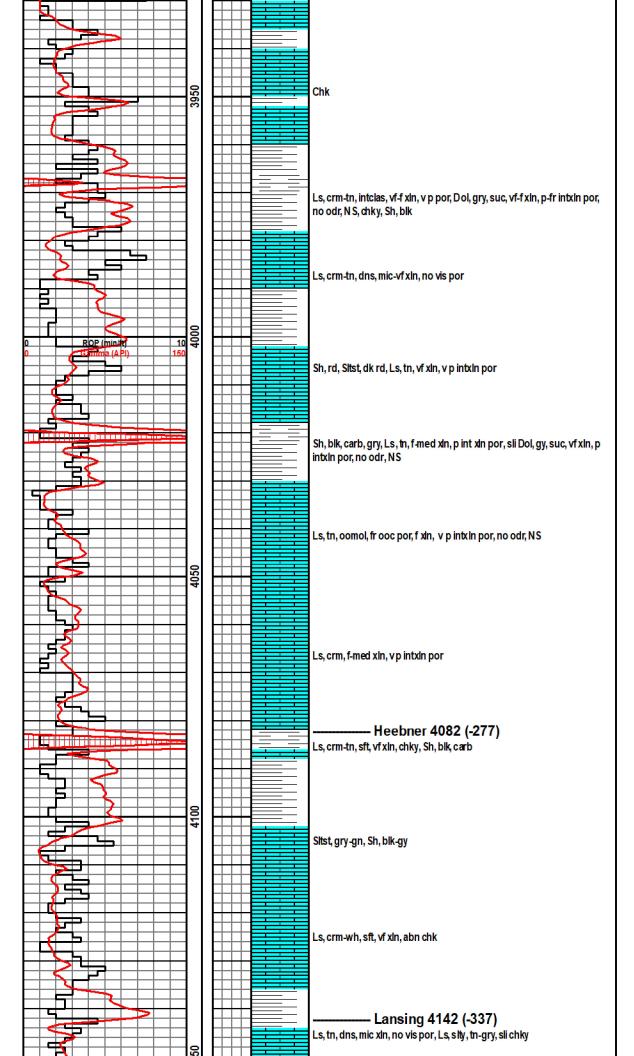
After discussions with partners the decision was made to further test Morrow Ss through casing. A port collar was ran so the majority of the csg could be recovered if further testing did not yield positive results.

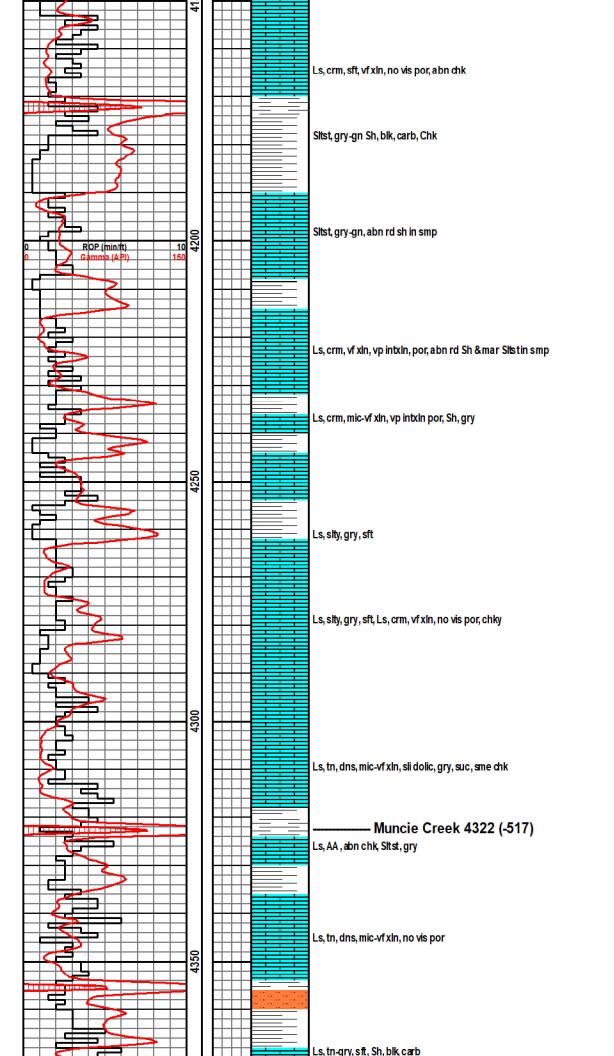
5/28/20 - RIH w 118 jts 5 1/2" 15.5# used csg from Sunrise. Swift cement w 125 sx EA2. PBTD @ 5112', PC @ 2683'. Released Murfin Rig 21.

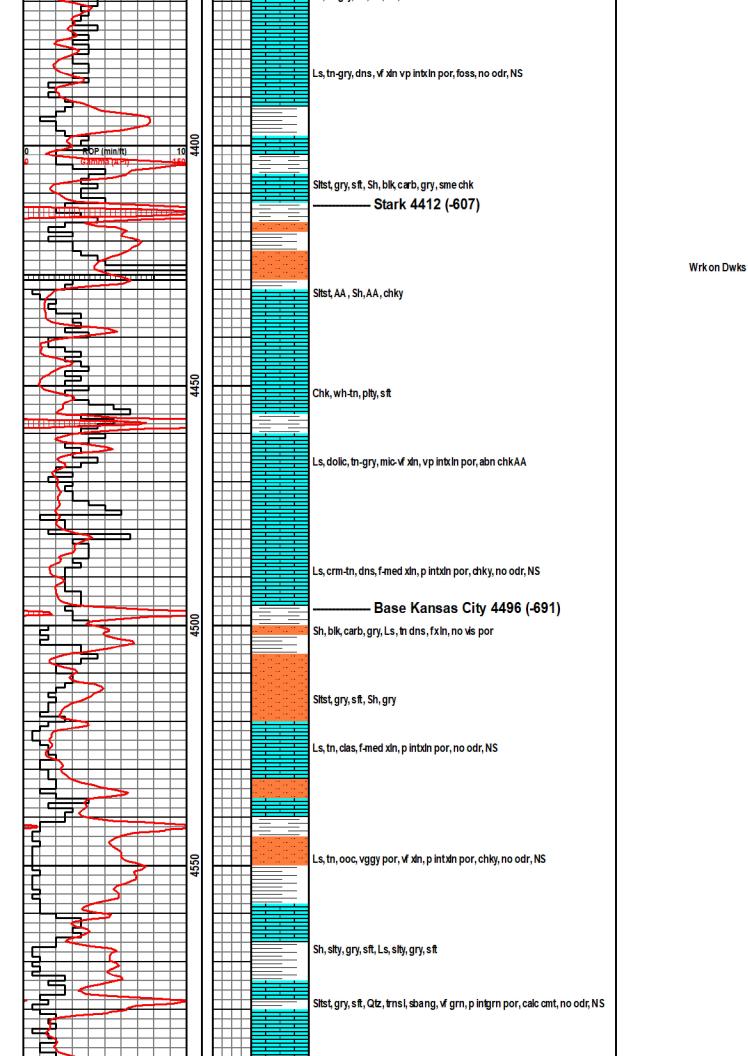
		ROCK TYPES		
Anhy and the second se	Clyst Coal Coal Congl	Gyp Gyp Lgne Lmst		Shgy Sltst Ss

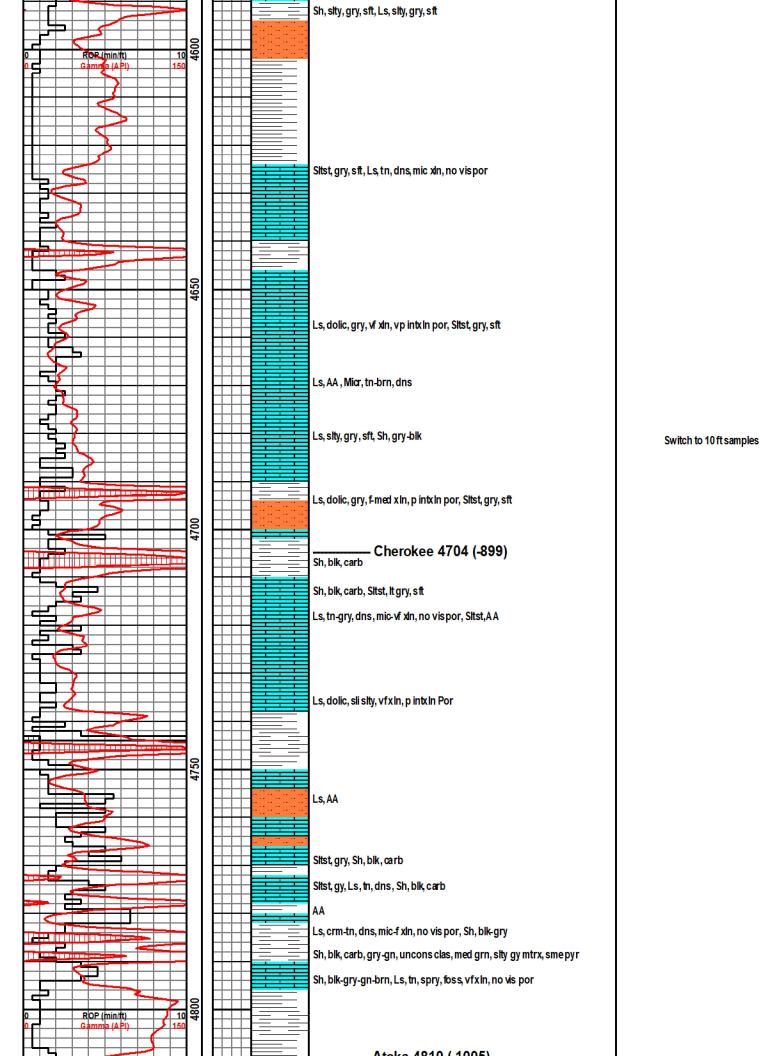
Cht	Dol	Meta	Shcol	DOCCOCO TIII
		ACCESSORIES	6	
MINERAL∅Anhy↓Arggrn□Arg□Bent□Bit③Brecfrag↓Calc●Carb▲Chtdk△Chttt↓Dol↓Feldspar●Ferrpel↓Ferr☑Glau	Image: Second system Image: Second system <td>FOSSILImageAlgaeImageAmphImageBelmImageBioclstImageBrachImageBryozoaImageCephalImageCoralImageCrinImageEchinImageFishImageFishImageForamImageForamImageGastroImageOolite</td> <td>☑Ostra☑Pelec☑Pellet☑Pisolite☑Plant☑StromStromStromSTRINGERAnhy☑Arg☑Bent☑Coal☑Dol☑Gyp□Ls☑Mrst</td> <td>Sltstrg Ssstrg TEXTURE BS Boundst C Chalky CX Cryxln E Earthy FX Finexln BS Grainst L Lithogr MICroxln MICroxln MIC Mudst PS Packst S Wackest</td>	FOSSILImageAlgaeImageAmphImageBelmImageBioclstImageBrachImageBryozoaImageCephalImageCoralImageCrinImageEchinImageFishImageFishImageForamImageForamImageGastroImageOolite	☑Ostra☑Pelec☑Pellet☑Pisolite☑Plant☑StromStromStromSTRINGERAnhy☑Arg☑Bent☑Coal☑Dol☑Gyp□Ls☑Mrst	Sltstrg Ssstrg TEXTURE BS Boundst C Chalky CX Cryxln E Earthy FX Finexln BS Grainst L Lithogr MICroxln MICroxln MIC Mudst PS Packst S Wackest
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DODOSITY				
POROSITY E Earthy ■ Fenest F Fracture ⊠ Inter Moldic ■ Organic ■ Pinpoint	 ✓ Vuggy SORTING ☑ Well ☑ Moderate ☑ Poor 	ROUNDING R Rounded C Subrnd B Subang Angular OIL SHOW ● Even	 Interval Ques Dead INTERVAL Core Dst 	EVENT ▶ Rft ▶ Sidewall

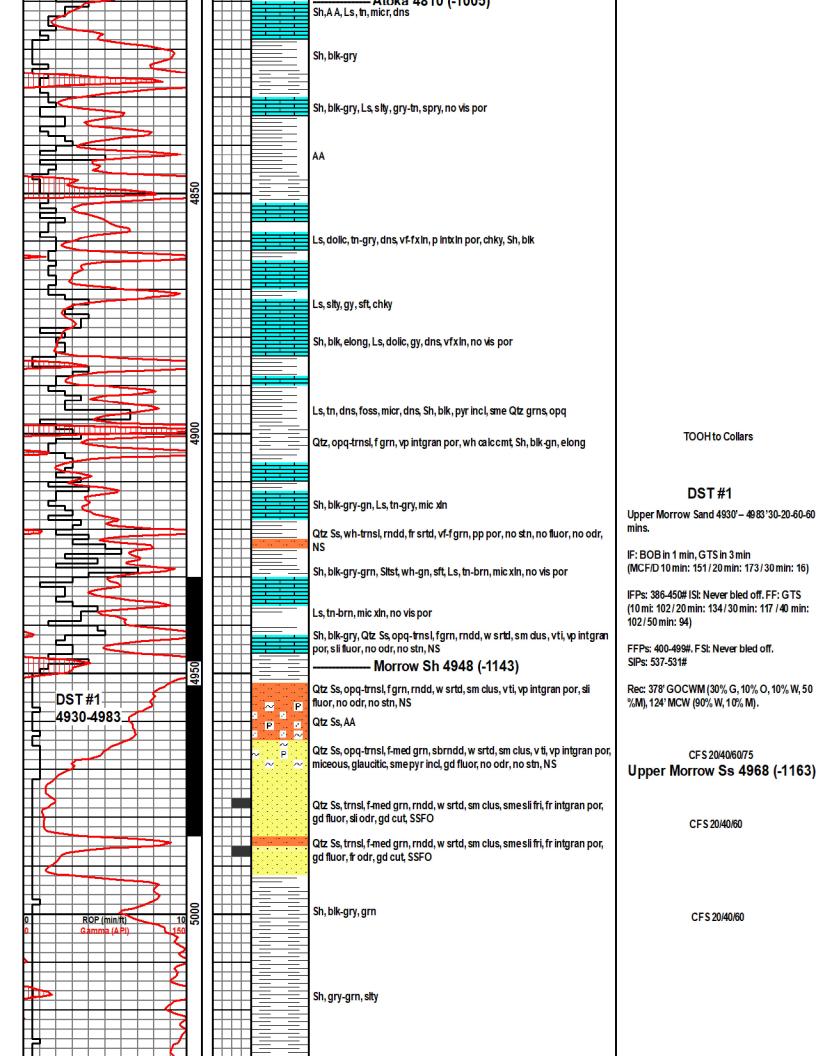


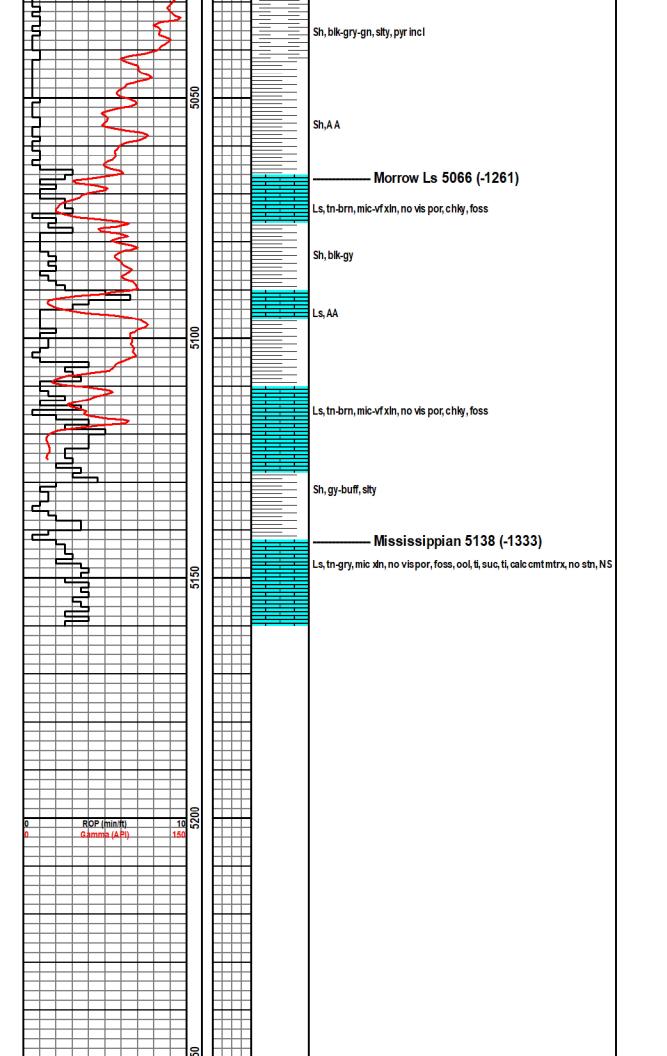












RTD 5160 LTD 5162 Schlumberger BlueView :