Confidentiality Requested: Yes No

KANSAS CORPORATION COMMISSION **OIL & GAS CONSERVATION DIVISION**

1234174

Form ACO-1 August 2013 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. 15
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: ()	
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 D&A ENHR SIGW	Total Vertical Depth: Plug Back Total Depth:
GG GSW Temp. Abd.	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	
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 ENHR Conv. to SWD	Drilling Fluid Management Plan
Plug Back 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 #:	Leasting of fluid dispersed if baula d offsites
SWD Permit #: ENHR 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
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date Recompletion Date	County: Permit #:

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

	Page Two	1234174
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	
INSTRUCTIONS: Show important tank of formations populated	otail all cores. Popert all final o	popios of drill stoms tasts giving interval tasted time tool

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	eets)	Yes No	L	og Formatio	on (Top), Depth ar	nd Datum	Sample
Samples Sent to Geolog	gical Survey	Yes No	Nam	9		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING Report all strings set-c	RECORD Ne		on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONAL	CEMENTING / SQU	EEZE RECORD			
Purpose:	Depth	Type of Cement	# Sacks Used		Type and F	Percent Additives	

Purpose: Perforate	Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing				
Plug Off Zone				

No

Did you perform a hydraulic fracturing treatment on this well?	Yes
Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?	Yes
Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?	Yes

No (If No, skip questions 2 and 3) No (If No, skip question 3)

(If No, fill out Page Three of the ACO-1)

Shots Per Foot		PERFORATION Specify Fo		RD - Bridge F Each Interval		De			ement Squeeze Record d of Material Used)	Depth
TUBING RECORD:	Si	ze:	Set At:		Packe	r At:	Liner R		No	
Date of First, Resumed	d Product	ion, SWD or ENHI	٦.	Producing N		ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wat	er	Bbls.	Gas-Oil Ratio	Gravity
			1							
DISPOSIT	_			Onen Llele					PRODUCTION INTE	RVAL:
Vented Sol	d	Used on Lease		Open Hole	Perf.	Uually (Submit)		Commingled (Submit ACO-4)		
(If vented, Su	ıbmit ACC	D-18.)		Other (Specify))					

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Gayle 1-2
Doc ID	1234174

All Electric Logs Run

CDL/CNL/PE
DIL
MEL
SONIC

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Gayle 1-2
Doc ID	1234174

Tops

Name	Тор	Datum
Anhydrite	2648	+ 790
B/Anhydrite	2668	+ 770
Topeka	3841	- 403
Heebner Shale	4081	- 643
Lansing	4132	- 694
Muncie Creek	4322	- 884
Stark	4414	- 976
Marmaton	4582	- 1144
Ft. Scott	4687	- 1249
Cherokee	4737	- 1299
Atoka	4778	- 1340
Morrow Shale	4900	- 1462
Mississippian	5025	- 1587

Form	ACO1 - Well Completion
Operator	Mull Drilling Company, Inc.
Well Name	Gayle 1-2
Doc ID	1234174

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
Surface	12.2500	8.6250	23	218	Common	3% cc, 2% gel

271262

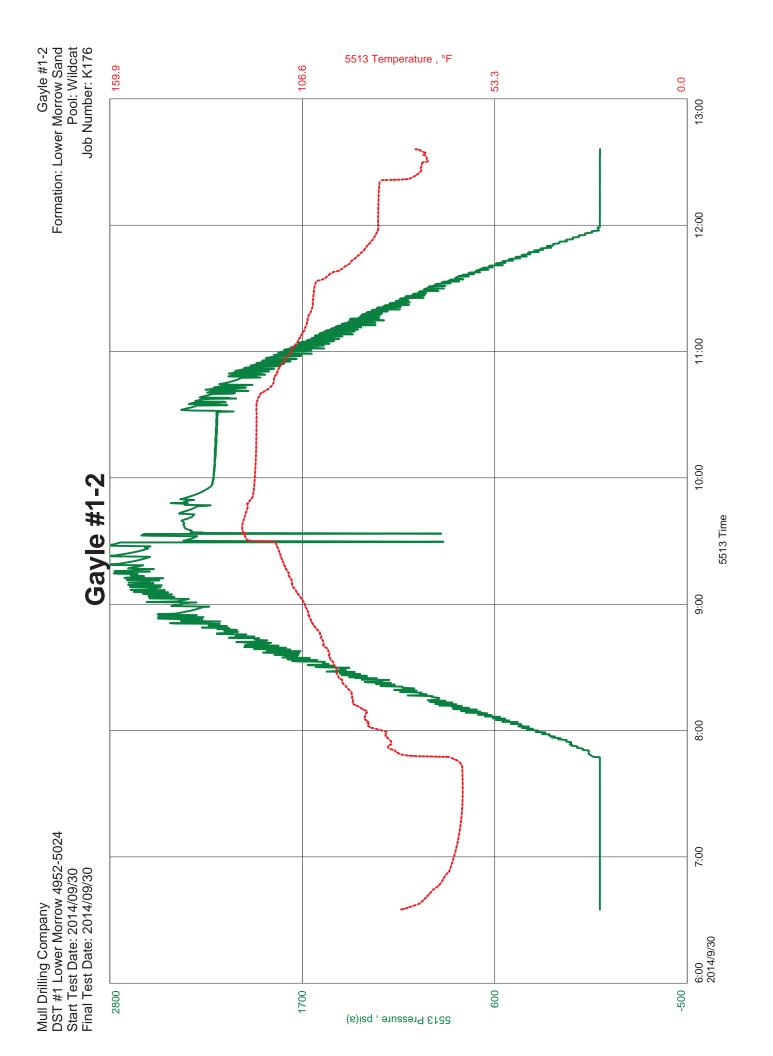
JONSOLIDATED

TICKET NUMBER	47699
LOCATION Oak	lyts.
FOREMAN Lane	

	Oil Well Service					FOREMAN 7	puen	-
	x 884, Chanute, KS 6672		D TICKE	r & TREAT CEMEN		ORT		Ko
	431-9210 or 800-467-8676	WELL	NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
/		0 1	» 1-2		2	16	38	Wichita
	9/20/14 5659 CUSTOMER	Gayle		Leoti	TRUCK #	DRIVER	TRUCK #	DRIVER
	MAILING ADDRESS			-NTOCL RdA 6W	731	Cory Robert		
	CITY	STATE	ZIP CODE	- 3/4 S+Eint	693	Larry		
		HOLE SIZE	12/14		2/8	CASING SIZE & I	WEIGHT 8%	23*
	JOB TYPE Sur Face CASING DEPTH 216.03			TUBING		CEMENT LEFT I	OTHER	,
	SLURRY WEIGHT 14 8 DISPLACEMENT 12.54	SLURRY VOL_				RATE	Cicoula	tion wit
	REMARKS: Saft, Me Rig Pump Honk up	eting King	up on I cuck mi	Juke "4 in 165 5k	S Com 3	109 Dece 6CC 2% (Gel Wash	up Pump
	Lines+Displace Wit	L 12.54 6	61 water	- Shuti	n_ <u>Rig</u> D	<u>swn</u>		
ti.	· · · · · · · · · · · · · · · · · · ·		Cem	ent Die	2 Cince	late		
				•				

	bble To Pit	Thanks Daven I	1	TOTAL
ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	101AL
54015	1	PUMP CHARGE	\$ 11.50 °= \$ 5.25	\$ 341.25
5406	65	MILEAGE		\$ 887,250
5407A	7.8	Ton Mileage Delivery		
		Class "A" Cement	18.55	3060 75
1045	165 SKs	Calcium Chloride	\$.94	\$ 437.10
1/02	46.5	Bentonite	\$.27	\$ 83.70-
1118B	310	Dealante		
			••.	·
		•		
	•			
·				
			SubTotal	5960 .05
			Less 10%	\$ 596, °
			Sub Total	\$53%4 ×2
				262.70
			SALES TAX ESTIMATED	FLOI ME
avin 3737			TOTAL	5626.75
	Kiel Whal	ITTLE	DATE	

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form



Tast

JASON MCLEMORE



CELL # 620-617-0527

General Information

Company Name Mull Contact Well Name Unique Well ID Surface Location Field Well Type Test Information	Mark Shreve Gayle #1-2 DST #1 Lower Morrow 4952-5024 2-16s-38w-Wichita Wildcat		K176 Jason McLemore Mull Drilling Company Jason McLemore Steve Reed 6
Test Type Formation Well Fluid Type Test Purpose (AEUB)	Drill Stem Test Lower Morrow Sand 01 Oil Initial Test	Report Date Prepared By	Jason McLemore Mull Drilling Company 2014/09/30 Jason McLemore
Start Test Date Final Test Date		Start Test Time Final Test Time	06:35:00 11:33:00

Test Results

RECOVERED:

185	Drilling Mud
185	TOTAL FLUID



DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313 DRILL-STEM TEST TICKET

TIME ON: 6:35 AM

TIME OFF: 11:33 AM

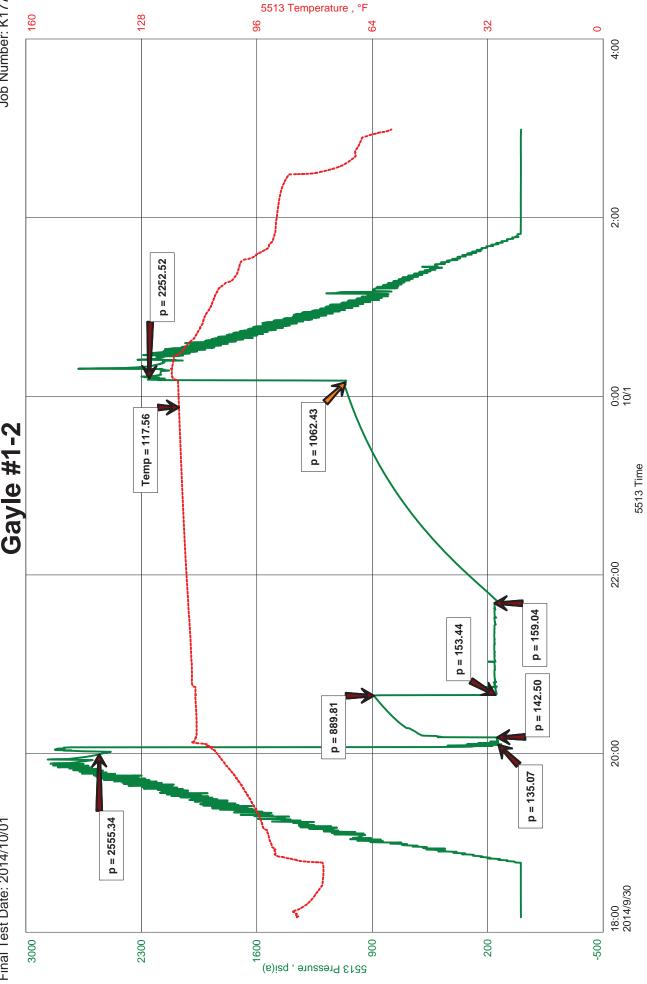
FILE: ga	yle1dst1
Company Mull Drilling Company	Lease & Well No. Gayle #1-2
Contractor Duke #4	Charge to Mull Drilling Company
ElevationKB 3438 Formation Lower Morrow	Sand Effective PayFt. Ticket NoK176
Date 9-30-14 Sec. 2 Twp. 16	
Test Approved By Steve Reed	Diamond Representative Jason McLemore
Formation Test No. 1 Interval Tested from	4952 ft. to 5024 ft. Total Depth 5024 ft.
Packer Depth4947 ft. Size6 3/4in.	Packer depth ft. Size 6 3/4 in.
Packer Depth 4952 ft. Size 6 3/4 in.	Packer depthft. Size 6 3/4 in.
Depth of Selective Zone Set	
Top Recorder Depth (Inside) 4933 ft	Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4934 ft	
Below Straddle Recorder Depth ft	
Mud Type Chemical Viscosity 57	Drill Collar Length 0 ft. I.D 2 1/4 in
Weight 9.4 Water Loss 9.6	cc. Weight Pipe Length 0 ft. I.D. 2 7/8 ii
Chlorides 7000 P.P.M.	Drill Pipe Length 4919 ft. I.D 3 1/2 ir
Jars: MakeSTERLINGSerial Number6	Test Tool Length 33 ft. Tool Size 3 1/2-IF ir
Did Well Flow?NoReversed OutNo	Anchor Length 72 ft. Size 4 1/2-FH ii
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH	63' DP in Anchor in. Surface Choke Size1 in. Bottom Choke Size_5/8 in
Blow: 1st Open: Packer Failure, Pull Tool	
2nd Open:	N
Recovered 185 ft. of Drilling Mud	
Recovered 185 ft. of TOTAL FLUID	
Recoveredft. of	
Recoveredft. of	
Recoveredft. of	Price Job
Recovered ft. of	Other Charges
Remarks: Shale Packer on Bottom	Insurance
	Total
Time Set Packer(s) 9:32 AM P.M. Time Started O	ff Bottom9:40 AMP.M. Maximum Temperature
Initial Hydrostatic Pressure	
Initial Flow Period	P.S.I. to (C)P.S.I.
Initial Closed In Period Minutes	(D)P.S.I.
Final Flow Period	(E)P.S.I. to (F)P.S.I.
Final Closed In Period	(G)P.S.I.
Final Hydrostatic Pressure	(H) P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Mull Drilling Company DST #2 Morrow Sand 4854-5024 Start Test Date: 2014/09/30 Final Test Date: 2014/10/01







C:\Users\Roger Friedly\Desktop\gayle1dst2 01-Oct-14 Ver

विड

JASON MCLEMORE



CELL # 620-617-0527

General Information

Company Name Mu Contact	0 1 9	Job Number	K177
Well Name	Gayle #1-2	Representative	Jason McLemore
Unique Well ID	DST #2 Morrow Sand 4854-5024	Well Operator	Mull Drilling Company
Surface Location	2-16s-38w-Wichita	Prepared By	Jason Mclemore
Field	Wildcat	Qualified By	Steve Reed
Well Type	Vertical	Test Unit	6

Test Type Formation Well Fluid Type Test Purpose (AEUB)	Representation Drill Stem Test Well Operato Morrow Sand Report Date 01 Oil Prepared By Initial Test	
Start Test Date Final Test Date	2014/09/30 Start Test Tin 2014/10/01 Final Test Tir	

Test Results

RECOVERED:

250	Drilling Mud
250	TOTAL FLUID



DIAMOND TESTING P.O. Box 157 HOISINGTON, KANSAS 67544 (800) 542-7313 DRILL-STEM TEST TICKET Ell E: gavle1dst2

TIME ON: 6:10 PM

TIME OFF: 3:00 AM

		FILE: gayle	andstz			
Company Mull Drilling Co	ompany		Lease & Well No	Gayle #1-2		
Contractor Duke #4			Charge to Mull [Drilling Company		
Elevation KB 3438	Formation	Morrow Sa	and Effective Pay		Ft. Ticket	No. K177
Date 9-30-14 Sec.	2Twp	<u>16</u> S	Range	38 W County_	Wichita	StateKANSAS
Test Approved By Steve Reed			Diamond Represer	ntative	Jason McLe	emore
Formation Test No. 2	Interval Teste	ed from	4854 ft. to	5024 _{ft.} то	tal Depth	5024 ft.
	4849 _{ft.} Size6	i 3/4 in.	Packer depth		ft. Size	6 3/4 in.
Packer Depth	4854 ft. Size 6	<u>3/4</u> in.	Packer depth		ft. Size	6 3/4 in.
Depth of Selective Zone Set						
Top Recorder Depth (Inside)		4835 _{ft.}	Recorder Numbe	er551	3 Cap	5000 P.S.I.
Bottom Recorder Depth (Outsid	de)	4836 _{ft.}	Recorder Numbe	er558	38 Cap	6000 P.S.I.
Below Straddle Recorder Depth	n	ft.	Recorder Numbe	er	Cap	P.S.I.
Mud Type Chemical	Viscosity		Drill Collar Lengt	h	0_ft. I.D	<u>2 1/4</u> in
Weight 9.4 W	ater Loss	9.6	c. Weight Pipe Len	gth	0_ft. I.D	2 7/8 ir
Chlorides		7000 P.P.M.	Drill Pipe Length	482	1_ft. I.D	3 1/2 ir
Jars: MakeSTERLING	Serial Number	6	_ Test Tool Length	3	3 ft. Tool Siz	e 3 1/2-IF in
Did Well Flow? No	Reversed Out	No		17	0 _{ft.} Size	4 1/2-FH ir
Main Hole Size 7 7/8	_ Tool Joint Size_	4_1/2_XHin	157' DP in Anchor . Surface Choke S	ize <u>1</u>	_in. Bottom	Choke Size 5/8 ir
Blow: 1st Open: Strong, B	OB in 1 Min., N	lo Blowback	(Tool Slid 1' 0	On Open)		
2nd Open: Weak Blow	v, Built to 1/2", [Died in 15 Mi	n., No Blowbac	k		1
Recovered 250 ft. of Dril	ling Mud					
Recovered 250 ft. of TO	TAL FLUID					
Recoveredft. of						
					Price Job	
Recoveredft. of					Other Charge	es
Remarks: Shale Packer on	Bottom				Insurance	
				0.14	Total	
Time Set Packer(s) 9:11	1 PM ^{A.M.} P.M.	Time Started Off I	Bottom 12:46 A	AM P.M. Ma	iximum Tempe	rature 118
Initial Hydrostatic Pressure			(A)	2555 P.S.I.		
Initial Flow Period	Minute	es	(B)	135 P.S.I. t	o (C)	143 P.S.I.
Initial Closed In Period	Minute	es	(D)	890 P.S.I.		
Final Flow Period	Minute	es	(E)	153 P.S.I. to	o (F)	159 _{P.S.I.}
Final Closed In Period	Minute	es	(G)	1062 P.S.I.		
Final Hydrostatic Pressure			(H)	2253 P.S.I.		

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

Company: Address: Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool:	GAYLE #1-2 SW SW SW NE S2 T16S R38W 15-203-20285-00-00	Field:	WILDCAT
Well Name:	KANSAS	Country: Y, INC.	

SW SW SW NE S2 T16S R38W

Time:

Time:

To:

3:00 PM

2:38 PM

5100.00ft

15-203-20285-00-00

WICHITA COUNTY

2690 FSL & 2127 FEL

LOWER MORROW SAND

CHEMICAL / FRESH WATER GEL

SURFACE CO-ORDINATES

5144

9/20/2014

10/1/2014

3429.00ft

3438.00ft

3700.00ft

5100.00ft

Vertical

-101.483683882

38.691913831

2690 FSL

2127 FEL

Surface Location:

Bottom Location:

License Number:

Drilling Completed: Surface Coordinates:

Ground Elevation:

K.B. Elevation:

Logged Interval: Total Depth:

Drilling Fluid Type:

Formation:

Well Type:

Longitude:

N/S Co-ord:

E/W Co-ord:

Latitude:

Bottom Hole Coordinates:

Spud Date:

Region:

API:

	LOGGED BY					
T.	SOLUTIONS					

		S							
Company: Address:	SOLUTIONS CONSULTING, INC 108 WEST 35TH HAYS, KANSAS 67601	С.							
Phone Nbr: Logged By:	785-650-4540 / 785-639-1337 GEOLOGIST	Name:	STEVE REED						
	CONTRACTOR								
Contractor: Rig #:	DUKE DRILLING COMPANY, IN 4	C.							
Rig Type:	MUD ROTARY								
Spud Date:	9/20/2014	Time:	3:00 PM						
TD Date:		Time: Time:	2:38 PM 12:00 PM						
Rig Release:	10/2/2014	Time.	12.00 FIVI						
	ELEVATIONS								
K.B. Elevation: K.B. to Ground:	3438.00ft Grour 9.00ft	nd Elevation:	3429.00ft						

BASED ON OVERALL LACK OF SHOWS, NEGATIVE RESULTS OF DST #2 AND LOG ANALYSIS THE DECISION WAS MADE TO PLUG AND ABANDON WELL

OPEN HOLE LOGGING PROVIDED BY: NABORS COMPLETION AND PRODUCTION SERVICES COMPANY DUAL COMPENSATED POROSITY LOG, DUAL INDUCTION LOG, MICRORESISTIVITY LOG, PE LOG, AND SONIC LOGS WERE COMPLETED

LOG TOPS COMPARISON AND DAILY ACTIVITY SUMMARY

DRILL STEM TESTING PROVED BY: DIAMOND TESTING ONE (1) MISRUN AND ONE (1) CONVENTIONAL TESTS WERE PERFORMED

	WELL	NAME	COMPARISON WELL	COMPARISON WELL		
	GAYLE # 1-2		BRADFORD #1-1	JOY # 1-1		
	API: 15-2	03-20285	API: 15-203-20136	API: 15-203-20255		
FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS (DATUM)	LOG TOPS (DATUM)		
ANHYDRITE TOP	2652' (+786')	2648' (+790')	+784'	+780'		
AHYDRITE BASE	2674' (+764')	2668' (+770')	+767'	+766'		
ΤΟΡΕΚΑ	3842 (-404')	3841' (-403')	-408′	-402'		
HEEBNER	4081' (-643')	4081' (-643')	-647'	-640′		
LKC	4128' (-690')	4130' (-692')	-697'	-690'		
MUNCIE CREEK	4321' (-883')	4322' (-884')	-884'	-876′		
STARK	4412' (-974')	4414' (-976')	-977'	-966'		
ВКС	4508' (-1070')	4516' (-1078')	-1073′	-1063′		
MARMATON	4577' (-1139')	4578' (-1140')	-1140′	-1132′		
FORT SCOTT	4685' (-1247')	4686' (-1248')	-1248′	-1252′		
CHEROKEE SHALE	4735' (-1297')	4737' (-1299')	-1300'	-1286'		
ΑΤΟΚΑ	4789' (-1351')	4790' (-1352')	-1354′	-1335′		
MORROW SHALE	4906' (-1468')	4904' (-1466')	-1463′	-1449′		
UPPER SANDSTONE	4922' (-1484')	4914' (-1476')	-1474'	-1465′		
BASAL SANDSTONE	5012' (-1574')	5014' (-1576')	-1562'	NA		
MISSISSIPPIAN	5025' (-1587')	5024' (-1586')	-1584'	-1574′		
RTD	5100' (-1662')	5098' (-1660')	-1665'	-1969'		

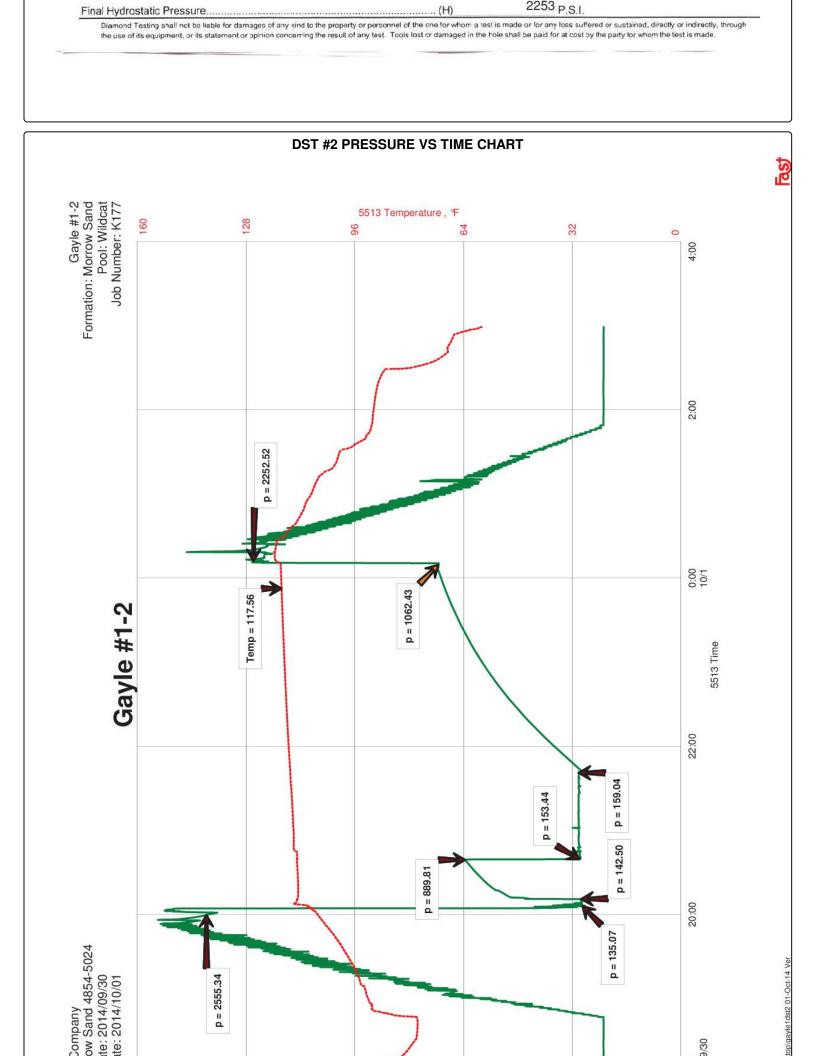
SUMMARY OF DAILY ACTIVITY

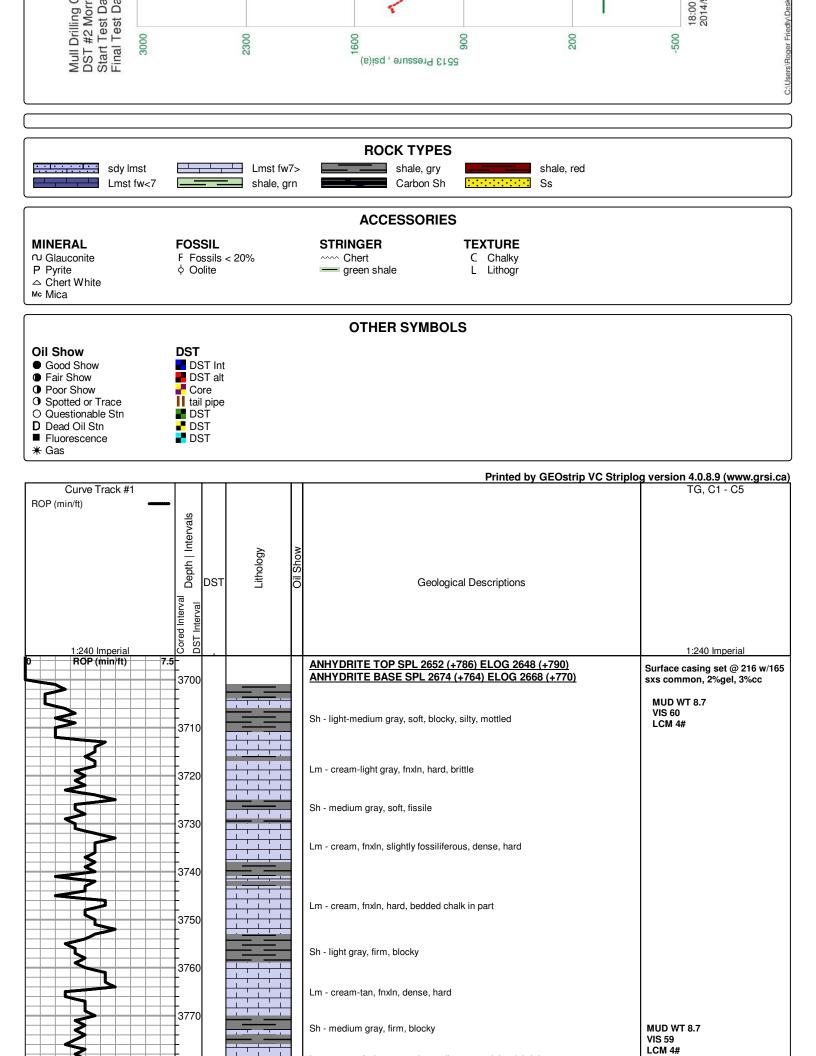
- 9-20-14 R.U., spud @ 3:00pm, 8 5/8" surface casing set at 216' w/165 sxs common, 2% gel, 3% cc
- **9-21-14** 220', WOC, drilling
- 9-22-14 338', replace Kelly bushings, master bushing, and oil lines, drilling
- 9-23-14 1300, drilling
- 9-24-14 2665, drilling
- 9-25-14 3419, drilling, replace clutch on mud pump
- 9-26-14 3782, drilling, CFS @ 4270
- 9-27-14 4270, drilling, replace gland rubbers on mud pump, CFS @ 4600
- **9-28-14** 4635, drilling, bit trip @ 4728, CFS @ 4745
- **9-29-14** 4836, drilling, CFS @4920, CFS @ 4927, CFS @ 4937, CFS @ 5017, CFS @ 5024, short trip, CTCH, TOWB for DST #1, DST #1 4952 to 5024
- 9-30-14 5024, TIWT, DST misrun, TOWT, TIWB, CTCH, TOWB FOR DST #2, DST #2 4854 to 5024
- **10-1-14** 5024, drilling, TD 5100 @ 2:38 pm, CTCH, TOWB for logs, logging, prepare for plugging

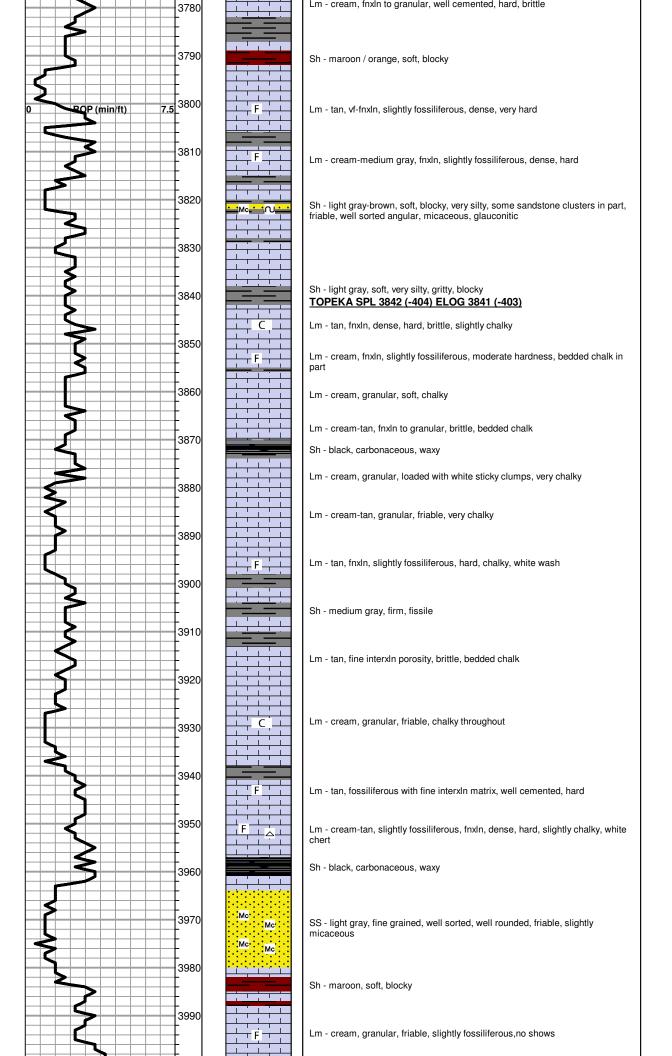
	DST #1 SU	MMARY			
	P.O. HOISINGTON, (800) 5	D TESTING Box 157 KANSAS 67544 542-7313 I TEST TICKET dst1		6:35 AM	
Company_Mull Drilling Company		Lease & Well No. Gay	e #1-2		
Contractor Duke #4		Charge to Mull Drilling	Company		
Elevation KB 3438 Formation	Lower Morrow Sar	nd Effective Pay	F	t. Ticket No	K176
Date 9-30-14 Sec. 2 Twp.				Wichita Sta	ate_KANS
Test Approved By Steve Reed		Diamond Representative	Ja	son McLemore	9
Formation Test No. 1 Interval Test	ed from49	952 ft. to	5024 ft. Total De	epth	5024
Packer Depth4947_ft. Size6	6 3/4 in.	Packer depth	fi	. Size 6 3/4	4 in.
	6 3/4 in.	Packer depth		. Size 6 3/4	4 in.
Depth of Selective Zone Set					
Top Recorder Depth (Inside)	4933 ft.	Recorder Number	5513 Ca	ip !	5000 P.S.I.
Bottom Recorder Depth (Outside)	4934 ft.	Recorder Number		ap.	6000 P.S.I
Below Straddle Recorder Depth	ft.	Recorder Number		ip	P.S.I.
Mud Type Chemical Viscosity	57	Drill Collar Length	0 ft.	I.D. :	2 1/4
Weight 9.4 Water Loss	9.6 cc.	Weight Pipe Length_	0 _{ft.}	LD.	2 7/8
Chlorides	7000 P.P.M.	Drill Pipe Length	4919 _{ft.}		3 1/2
Jars: Make STERLING Serial Number	6	Test Tool Length	33 ft.	Tool Size	3 1/2-IF
Did Well Flow? No Reversed Out	No	Anchor Length	72 _{ft.}	Size	4 1/2-FH
Main Hole Size 7 7/8 Tool Joint Size	4 1/2 XH in.	63' DP in Anchor Surface Choke Size	1in.	Bottom Choke	e Size_5/8
Blow: 1st Open: Packer Failure, Pull Toc	bl				
2nd Open:	ite en per				
Recovered 185 ft. of Drilling Mud					
Recovered 185 ft. of TOTAL FLUID					
Recoveredft. of					
Recoveredft. of					
Recoveredft. of			Pri	ce Job	
Recovered ft. of			Ott	er Charges	
Remarks: Shale Packer on Bottom				urance	
			Tot	al	
	Time Started Off Bo		A.M. P.M. Maximu	m Temperature	(
Initial Hydrostatic Pressure			P.S.I.		

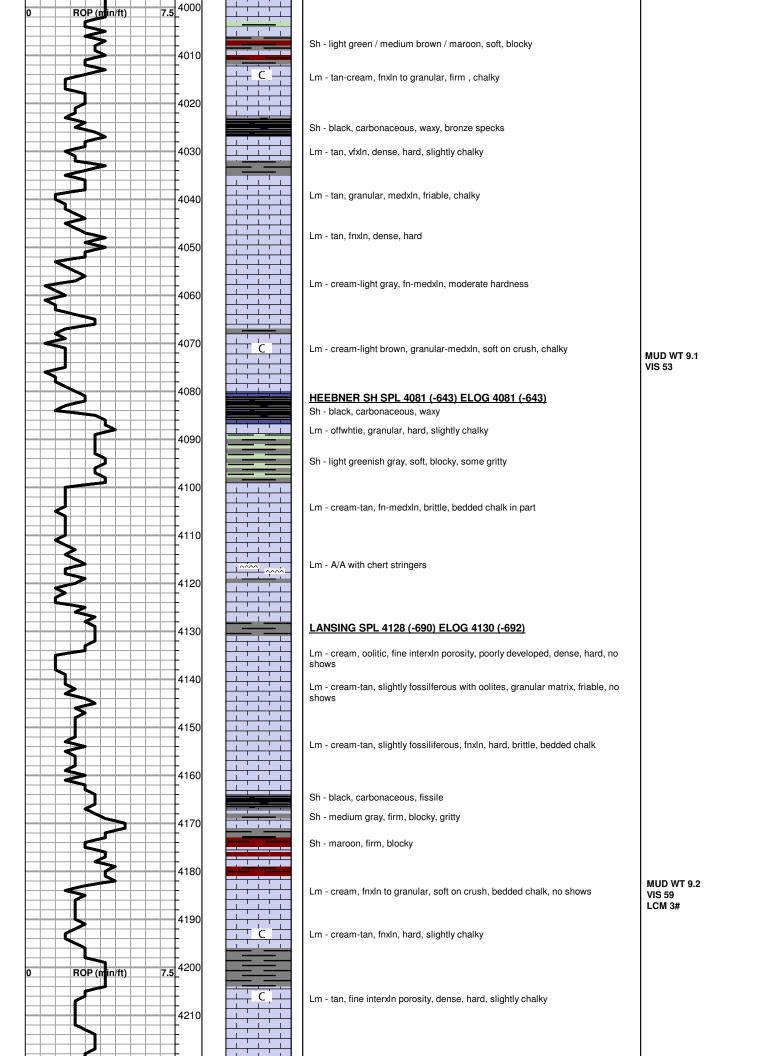
inal Closed In Period	Minutes	_(G)	P.S.I.
inal Hydrostatic Pressure		. (H)	P.S.I.
			test is made or for any loss suffered or sustained, directly or indirectly, through the hole shall be paid for at cost by the party for whom the test is made.

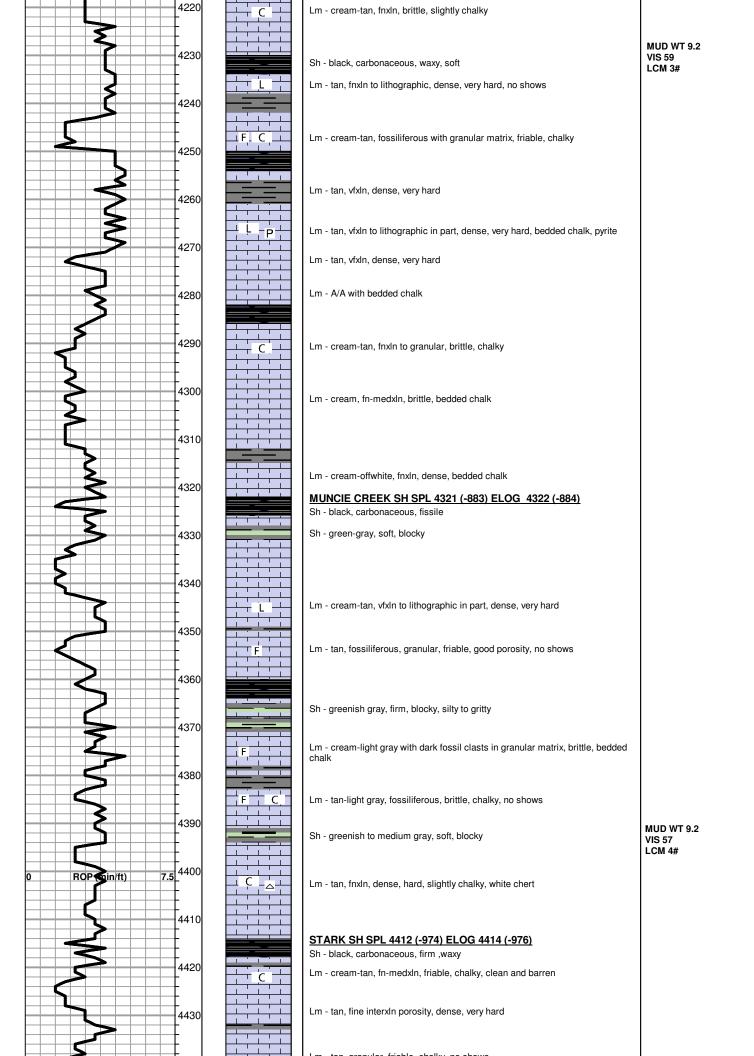
		ſ	DST #2 SL	JMMARY				
		r	P.O. IOISINGTON (800)	ID TESTING Box 157 I, KANSAS 67544 542-7313 M TEST TICKET 1dst2		DN: 6:10 P DFF: 3:00 A		_
Company Mull	Drilling Company		Gayle	Lease & Well No. G	avle #1-2			
Contractor Duke				Charge to Mull Drilli				
	KB 3438 Forma	ition	Morrow Sa	nd Effective Pay		Ft. Ticket N	No. K17	77
Later and the second		Twp			38 W County	Wichita	State K/	ANS
Test Approved By S				Diamond Representation		Jason McLer		
Formation Test No	p. 2 Ir	nterval Tested fro	m 4	854 ft. to	5024 ft. Total	Depth	50)24 f
Packer Depth	4849 _{ft.}		in.	Packer depth			6 3/4	in.
Packer Depth	4854 ft.		in.	Packer depth			6 3/4	in.
Depth of Selective								
Top Recorder Dep			4835 ft.	Recorder Number_	5513	Cap	5000 P	S.I.
Bottom Recorder			4836 ft.	Recorder Number_	5588	and a state of the	6000 F	
Below Straddle Re			ft.	Recorder Number_		Cap.		.S.I.
	Chemical Viscosit	y57	7	Drill Collar Length	01	t. I.D		
Weight	9.4 Water Loss	9.	6 <u>c</u> c	c. Weight Pipe Length	0	ft. I.D	2 7/8	
Chlorides		700	00 P.P.M.	Drill Pipe Length	4821	ft. I.D	3 1/2	
Jars: Make ST	ERLING Serial Nu	mber	6	_ Test Tool Length	33	ft. Tool Size	3 1/2-IF	:
Did Well Flow?	No Rev	ersed Out	No	Anchor Length	170	ft. Size	4 1/2-F	н
Main Hole Size	7 7/8 Too	Joint Size 4	1/2 XH in.	157' DP in Anchor Surface Choke Size	1 i	n. Bottom C	Choke Size_	5/8
2nd Open:	Strong, BOB in Weak Blow, Built ²⁵⁰ ft. of Drilling Mud		and the second se	(Tool Slid 1' On n., No Blowback	Open)			
Recovered	250 ft. of TOTAL FLU	ID						
Recovered	ft. of							
Recovered	ft. of							
Recovered	ft. of	10 Ka				Price Job		
Recovered	ft. of					Other Charges	S	
Remarks: Shale	Packer on Bottom					nsurance		
Time Set Packer(s	9:11 PM	A.M. P.M. Time	Started Off B	ottom 12:46 AM	A.M.	Total num Tempera	ature1	18
Initial Hydrostatic	Pressure			(A)	2555 P.S.I.			
Initial Flow Period.		Minutes		(B)	135 _{P.S.I. to}	C)	143 P.S.	1.
Initial Closed In Pe	eriod	Minutes		(D)	890 P.S.I.			
	əriod			(D) (E)	890 P.S.I. 153 P.S.I. to (F)	159 _{P.S.}	

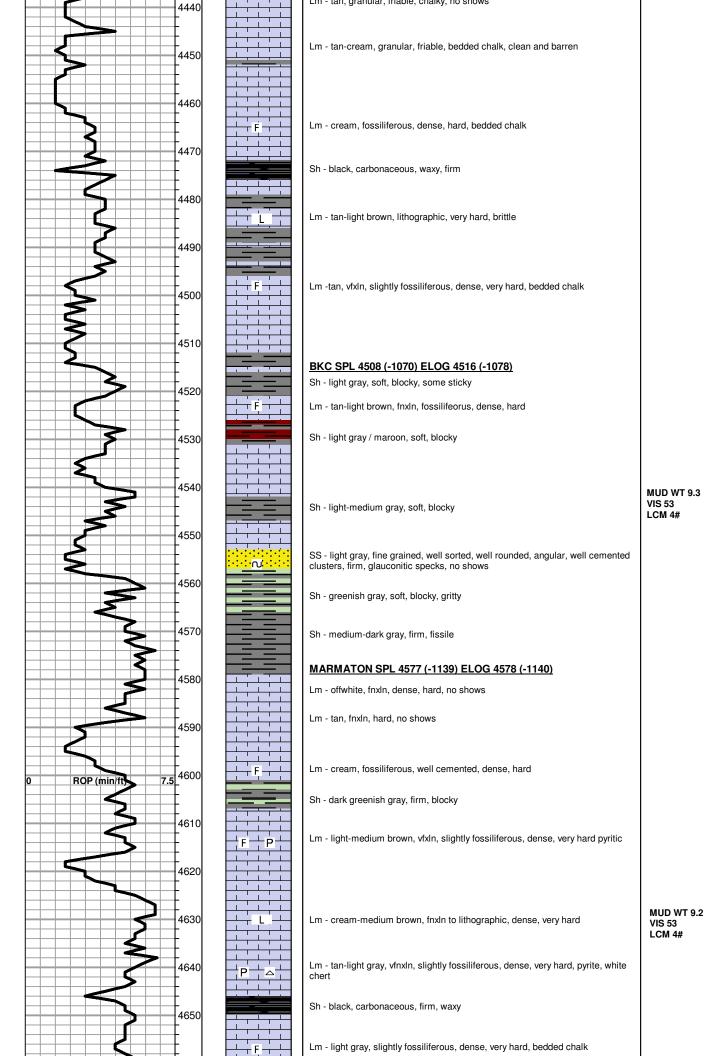


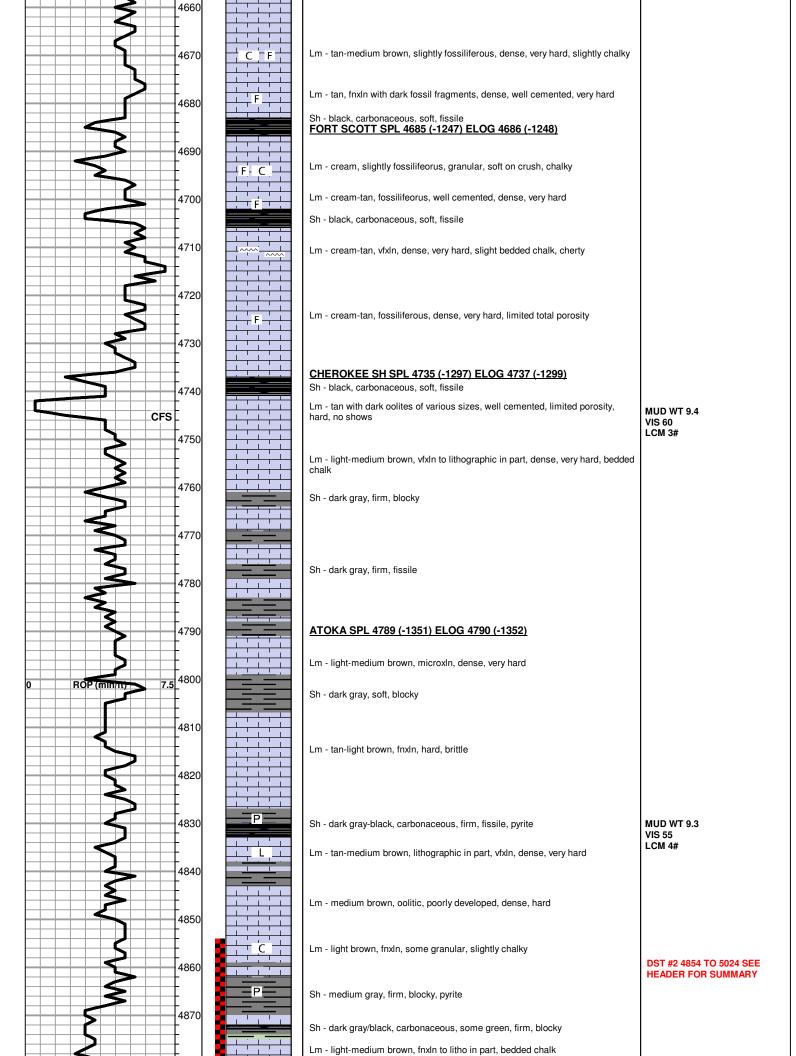


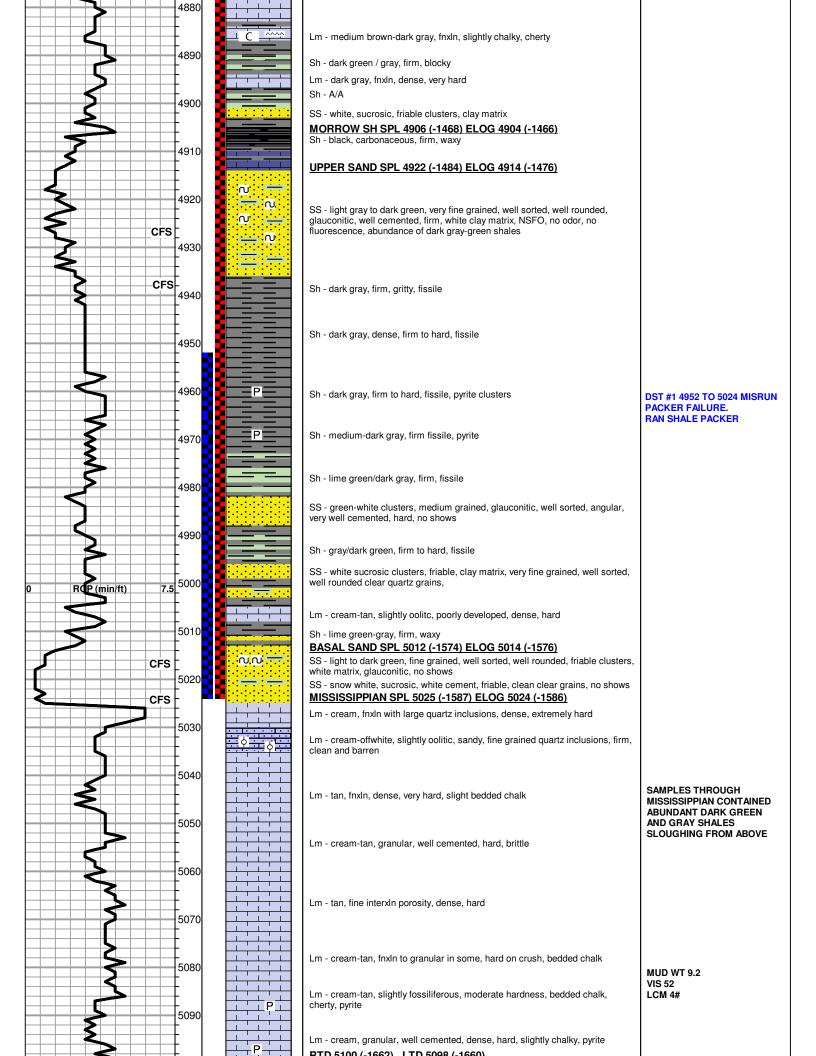












CF3 5100		