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
State: Well Name:	KANSAS DRILLING COMPAN WICHITA, KANSAS Scale 1:240 Imperial GAYLE #1-2	

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, IN 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: Rig Release:		Time: Time:	2:38 PM 12:00 PM					
nig helease.	10/2/2014	Time.		J				
ELEVATIONS								
K.B. Elevation: K.B. to Ground:	3438.00ft Groun 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	WELL NAME		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'		

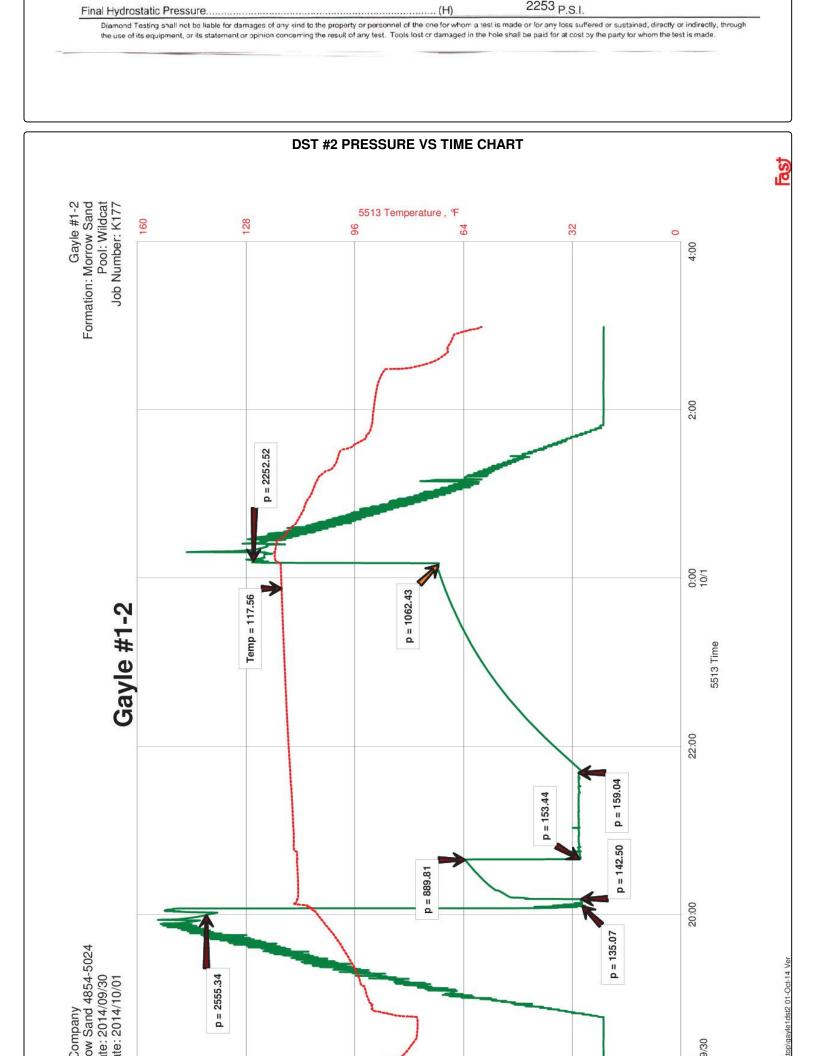
SUMMARY OF DAILY ACTIVITY

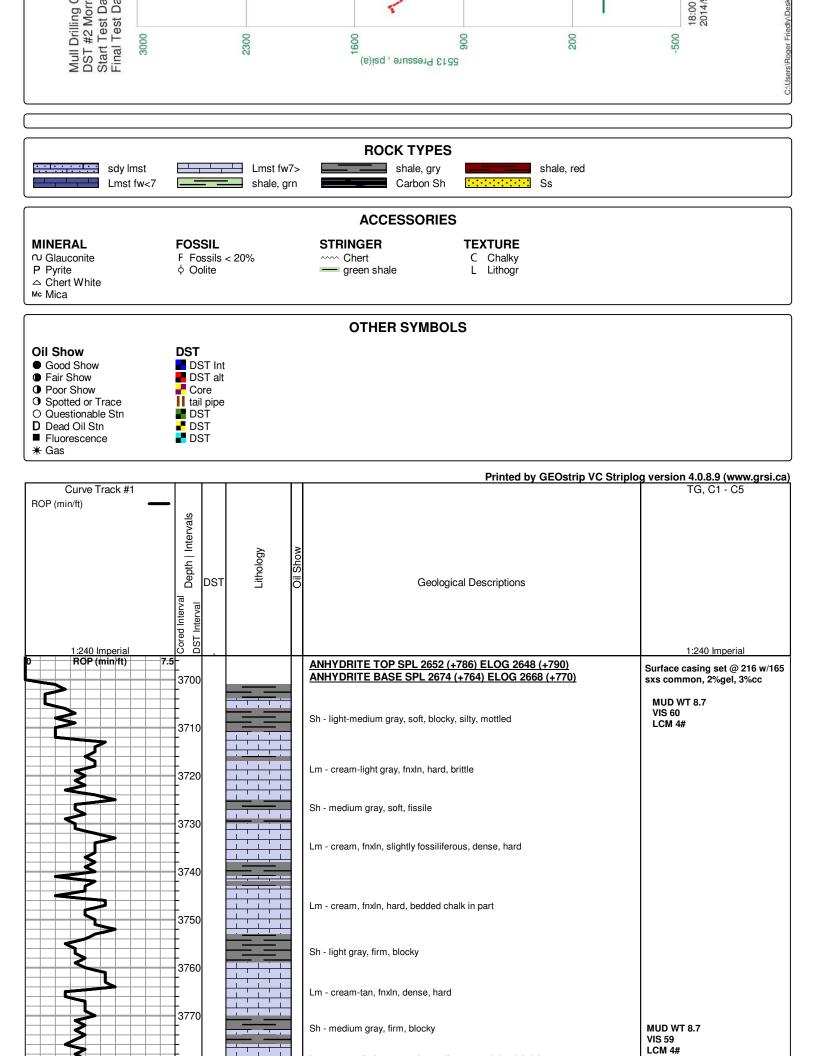
- 9-20-14 R.U., spud @ 3:00pm, 8 5/8" surface casing set at 216' w/165 sxs common, 2% gel, 3% cc
- **9-21-14** 220', WOC, drilling
- 9-22-14 338', replace Kelly bushings, master bushing, and oil lines, drilling
- 9-23-14 1300, drilling
- 9-24-14 2665, drilling
- 9-25-14 3419, drilling, replace clutch 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

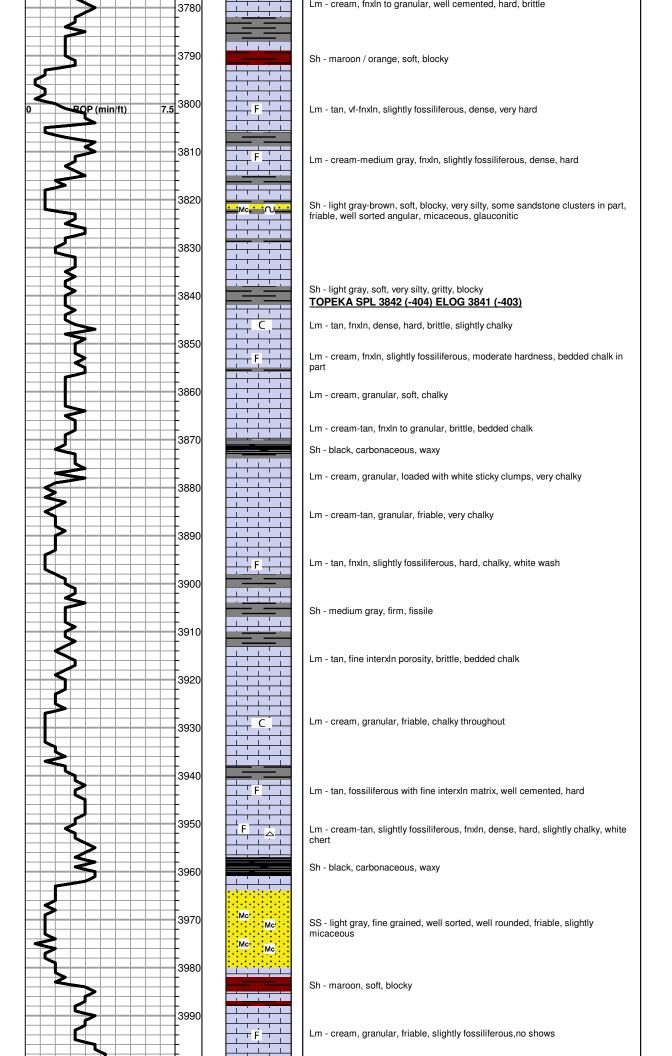
	DST #1 SU	MMARY			
	P.O. HOISINGTON, (800) 5	D TESTING Box 157 KANSAS 67544 542-7313 I TEST TICKET dst1		6:35 AM	
Company_Mull Drilling Company		Lease & Well No. Gay	e #1-2		
Contractor Duke #4		Charge to Mull Drilling	Company		
Elevation KB 3438 Formation	Lower Morrow Sar	nd Effective Pay	F	t. Ticket 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.		

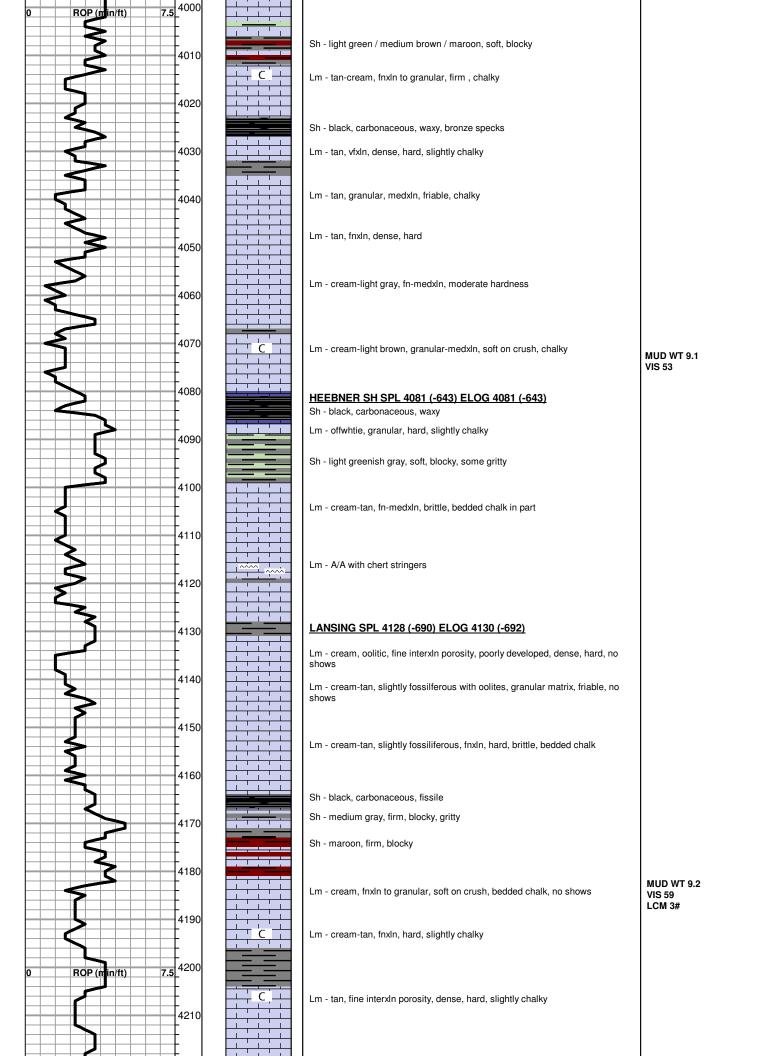
inal Closed In Period	Minutes	_(G)	P.S.I.
inal Hydrostatic Pressure		. (H)	P.S.I.
			test is made or for any loss suffered or sustained, directly or indirectly, through the hole shall be paid for at cost by the party for whom the test is made.

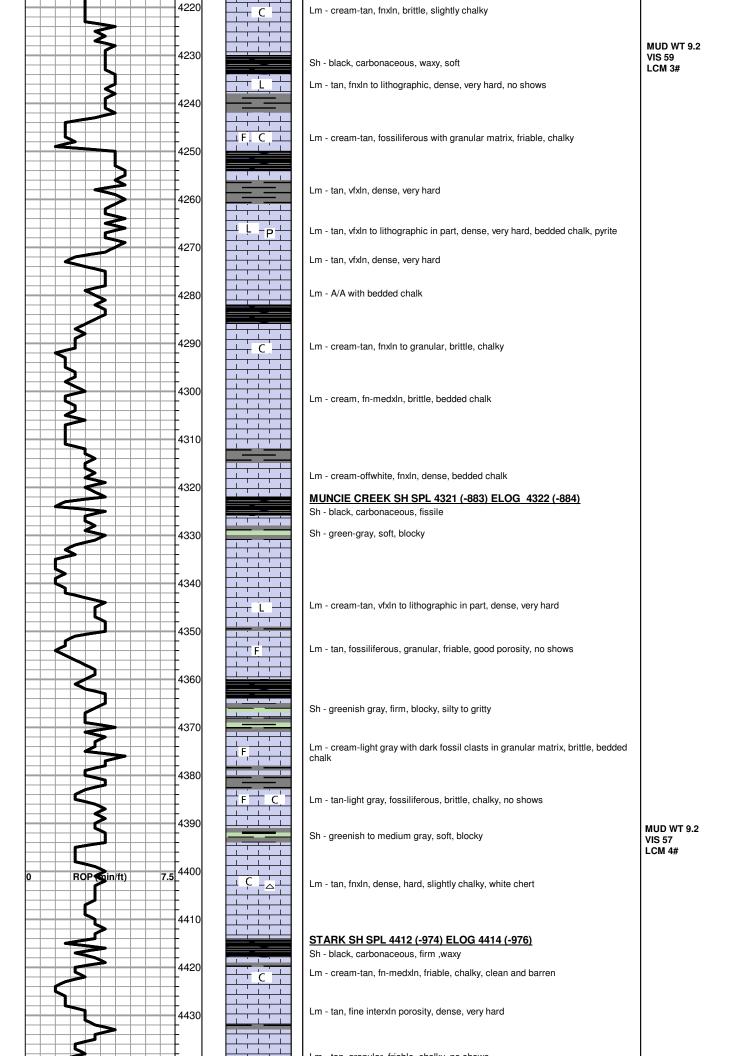
	DST #2 SU	JMMARY				
	P.O. HOISINGTON (800)	ID TESTING Box 157 I, KANSAS 67544 542-7313 M TEST TICKET		N: <u>6:10 P</u> FF: <u>3:00 A</u>		
Company Mull Drilling Company	TILL. gayler	Lease & Well No. Ga	avle #1-2			
Contractor Duke #4		Charge to Mull Drillin				
Elevation KB 3438 Formation	Morrow Sa	nd Effective Pay		Ft. Ticket N	lo. K177	
Date 9-30-14 Sec. 2 Twp.			8 W County	Wichita	State KAN	SA
Test Approved By Steve Reed		Diamond Representativ		ason McLen		
Formation Test No. 2 Interval Te	sted from 4	854 ft. to	5024 ft. Total	Depth	502	4 f
Packer Depth 4849 ft. Size	6 3/4 in.	Packer depth			6 3/4 ir	
Packer Depth 4854 ft. Size	6 3/4 in.	Packer depth			3 3/4 ir	
Depth of Selective Zone Set						
Top Recorder Depth (Inside)	4835 ft.	Recorder Number_	5513	Cap	5000 P.S	.1.
Bottom Recorder Depth (Outside)	4836 ft.	Recorder Number	5588		6000 P.S	
Below Straddle Recorder Depth	ft.	Recorder Number_		Cap.	P.5	
Mud Type Chemical Viscosity	57	Drill Collar Length	0 fi	. I.D	2 1/4	
Weight 9.4 Water Loss	9.6 cc	. Weight Pipe Length_	0	t. I.D	2 7/8	
Chlorides	7000 P.P.M.	Drill Pipe Length	4821 _f	t. I.D	3 1/2	
Jars: MakeSTERLINGSerial Number	6	_ Test Tool Length	33 _f	t. Tool Size	3 1/2-IF	
Did Well Flow? NO Reversed Ou	tNo	Anchor Length	170 1	t. Size	4 1/2-FH	
Main Hole Size 7 7/8 Tool Joint Siz	e4_1/2_XHin.	157' DP in Anchor Surface Choke Size	ir	n. Bottom C	hoke Size_5/	8
Blow: 1st Open: Strong, BOB in 1 Min., 2nd Open: Weak Blow, Built to 1/2" Recovered250 ft. of Drilling Mud	the second s		Open)			
Recovered 250 ft. of TOTAL FLUID						_
Recoveredft. of						
Recoveredft. of						_
Recoveredft. of				Price Job		_
Recoveredft. of			0	ther Charges)		-
Remarks: Shale Packer on Bottom			Iı	nsurance		_
			т	otal		-
Time Set Packer(s) 9:11 PM A.M. P.M.	Time Started Off B	ottom 12:46 AM	A.M. _P.M. Maxin	num Tempera	iture 118	3
Initial Hydrostatic Pressure		(A)	2555 P.S.I.			
Initial Flow Period Min	utes	(B)	135 P.S.I. to (C)	143 P.S.I.	
Initial Closed In Period Min	utes	(D)	890 P.S.I.		150	
Final Flow Period Min	utes	(E)	153 P.S.I. to (F	-)	159 _{P.S.I.}	
Final Closed In PeriodMin	utes	(G)	1062 P.S.I.			

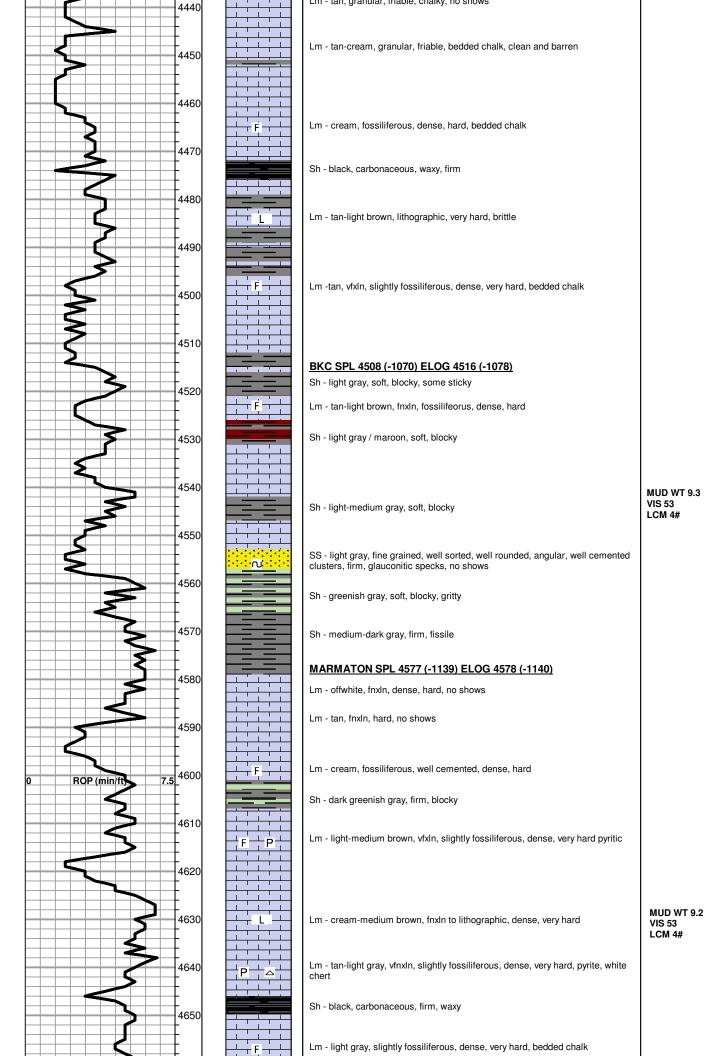


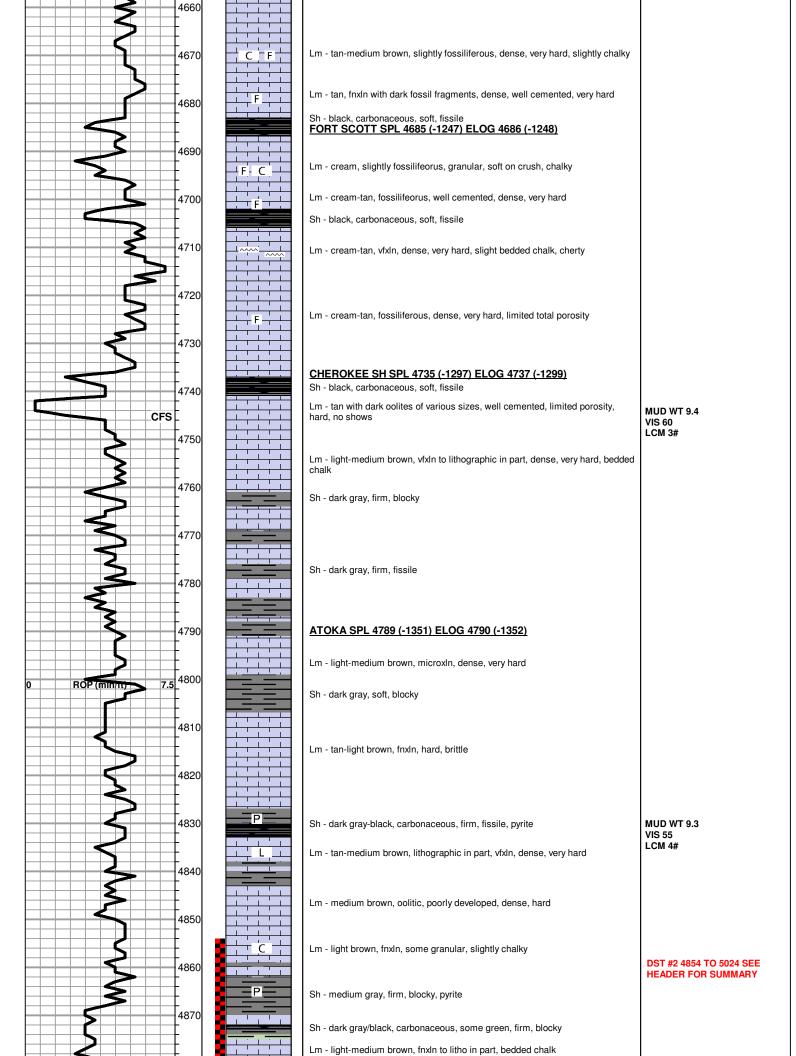


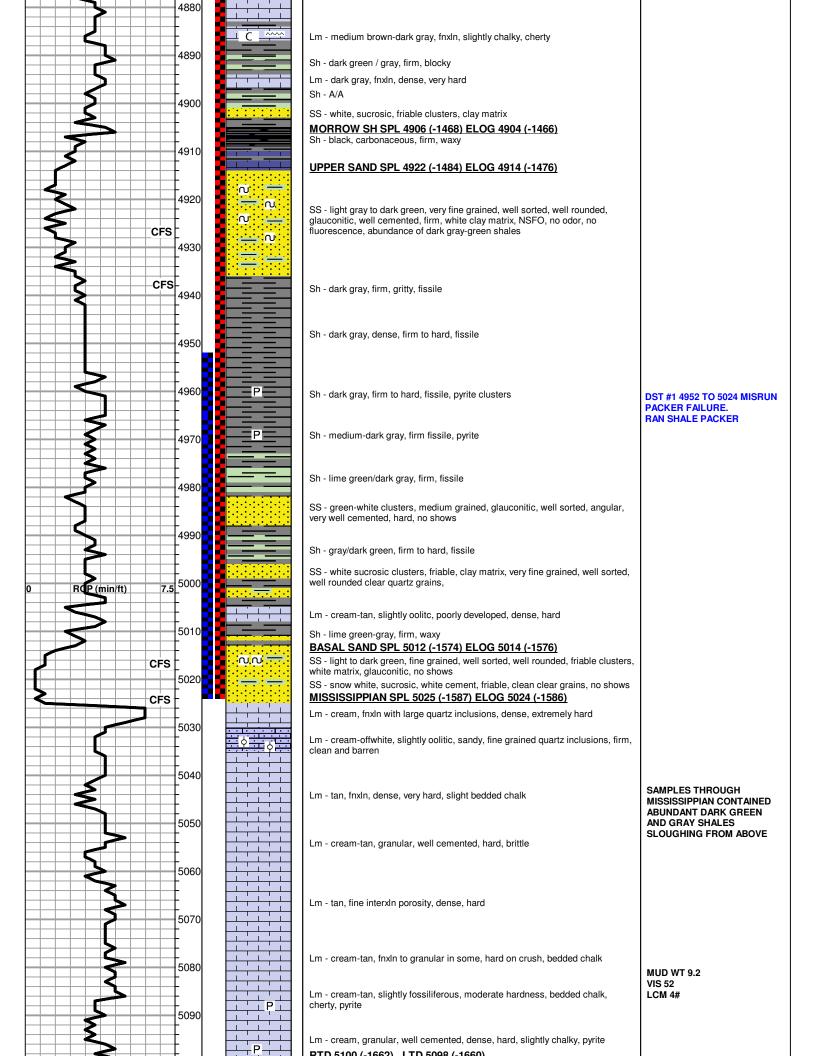












CF3 5100		