



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1366150
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or _____ Date Reached TD _____ Completion Date or
Recompletion Date _____ Recompletion Date _____

API No.: _____

Spot Description: _____

_____-_____-_____-_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East 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 III Approved by: _____ Date: _____

1366150



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Geologist Report / Mud Logs	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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 / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

- Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
- Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
- Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i>			PRODUCTION INTERVAL: Top _____ Bottom _____	

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:
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Services, Inc.

CHARGE TO: Pickrell Dly Co.
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET 30597

PAGE 1 OF 1

1. Wess City KS WELL/PROJECT NO. B-1 LEASE Lafon Trust COUNTY/PARISH Wess STATE KS CITY Ransome DATE 7-7-17 OWNER Same

2. TICKET TYPE SERVICE CONTRACTOR Kelso Well Service RIG NAME NO. #1 SHIPPED VIA CT DELIVERED TO Location ORDER NO. _____

3. WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE PTA WELL PERMIT NO. _____

4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS Ransome - Buy by Hwy 21nb

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	MILEAGE	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			QTY.	UM	QTY.	UM	
575					Trk # 112	20	mi	5	100	100	00
576 P					Pump Charge - PTA	1	job	800	800	800	00
328-4					60/40 Pozmix (4% Gal)	235	gals	10	25	2408	75
275					Cotton Seed Hulls	4	gals	30	00	120	00
29D					D-Air	3	gal	42	00	126	00
581					Service Charge Cement	235	sls	1	50	3352	50
582					Minimum Drayage Charge	1	ea	250	00	250	00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: 7-7-17 TIME SIGNED: 0930 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? YES NO

WE UNDERSTOOD AND MET YOUR NEEDS? YES NO

OUR SERVICE WAS PERFORMED WITHOUT DELAY? YES NO

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? YES NO

ARE YOU SATISFIED WITH OUR SERVICE? YES NO

PAGE TOTAL 4157 25

TAX 6.5% 172.56

TOTAL 4329.81

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR David Huehn APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE

7-7-17

PAGE NO.

1

CUSTOMER

Pickrell Drly Co.

WELL NO.

B-1

LEASE

Lafon Trust

JOB TYPE

PTA

TICKET NO.

30597

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0830							on location 4 1/2" x 7 7/8"
								Pulling 4 1/2" casing 235 sks 60/40 poz mix w/ 4% Gel
	0850	4	10		✓	300		Pump 10 bbl H ₂ O
	0855	4	13		✓	200		mix 50 sks w/ 1 bag Hulls @ 1890'
		4	26		✓	100		Displace Cement
	0910							Pull Casing
	1005	4	21		✓	200		mix 80 sks w/ 3 bags Hulls @ 1060'
		4	11		✓	100		Displace Cement
	1015							Pull Casing
	1035	4	10 1/2		✓	100		mix 40 sks @ 550'
		4	5 1/2		✓	100		Displace Cement
	1045							Pull Casing
	1100	4	13		✓	100		Mix 50 sks @ 240'
		4	1/2		✓	100		Displace Cement
	1110							Pull casing
	1130	4	4		✓	100		mix 15 sks @ 40' circulate to surface pull out of Hole *total sks 235* Top off 0 sks Standing full
		0	0			0		wash up trucks
	1200							Job Complete

Thank You
Dave Preston Isaac

Customer <i>Pickrell Drilling</i>	Lease No.	Date <i>4/28/2017</i>
Lease <i>Lgfton Trust</i>	Well # <i>B-1</i>	
Field Order # <i>14957</i>	Station <i>Pratt, KS</i>	Casing <i>8 5/8</i>
		Depth <i>207</i>
Type Job <i>242/8 5/8 Surface</i>	Formation <i>TD-210</i>	County <i>Ness</i>
		State <i>KS</i>
		Legal Description <i>17-16-24</i>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>8 5/8</i>				Pre Pad	Max		5 Min.
Depth <i>207</i>	Depth	From	To	Pad	Min		10 Min.
Volume <i>13</i>	Volume	From	To	Frac	Avg		15 Min.
Max Press	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush <i>Freshwater</i>	Gas Volume		Total Load
Plug Depth <i>187</i>	Packer Depth	From	To				

Customer Representative <i>Mike Kern</i>	Station Manager <i>Justin Westerman</i>	Treater <i>Darin Franklin</i>
--	---	-------------------------------

Service Units	<i>92911</i>	<i>78982</i>	<i>86779</i>	<i>84980</i>	<i>19860</i>				
Driver Names	<i>Darin</i>	<i>McGraw</i>	<i>McGraw</i>	<i>Clymer</i>	<i>Clymer</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:00pm</i>					<i>on location / safety meeting</i>
					<i>8 5/8 casing set GA 207'</i>
					<i>150 SK Common, 24% cc, 1/4# Cell of 19ke</i>
					<i>15.6 pps, 1.20 vella, 5.23 water</i>
					<i>Pipe on bottom & Break Circulation</i>
<i>8:15am</i>	<i>150</i>		<i>3</i>	<i>5</i>	<i>Pump 3 bbls water</i>
	<i>150</i>		<i>32</i>	<i>5</i>	<i>mix 150 SK Cement</i>
	<i>50</i>		<i>12</i>	<i>2</i>	<i>Displace water</i>
<i>9:00am</i>					<i>Shut in</i>
					<i>Cement did Circulate to Cell 9r</i>
					<i>Job Complete / Darin & crew</i>
					<i>Thank you!!!</i>



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

17-16-24

JIM H - 57

FIELD SERVICE TICKET

1718 14957 A

DATE _____ TICKET NO. _____

DATE OF JOB 4/15/24	DISTRICT Poncha	NEW WELL <input checked="checked" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER Poncha Drilling		LEASE L5/Din TRUST				WELL NO. B1		
ADDRESS		COUNTY NESS			STATE KS			
CITY		STATE		SERVICE CREW D. Scamiger, M. Clum				
AUTHORIZED BY		JOB TYPE: 242/848 surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM	TIME
86779							4/15	2:30
19860							4/15	1:00
							4/15	8:30
							4/15	5:00
							4/15	9:30
							4/15	5:30
						MILES FROM STATION TO WELL 136		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP1006	Common Cement	SK	150		2,400.00
CC109	CSIC in Chloride	Lb	282		296.10
CC102	Cello 11500	Lb	39		144.30
T100	Un. in loss Chaise - 2	m	100		450.00
F101	Heser T500000 m. loss	m	200		1,500.00
F113	Prodrum & Bulk Delivery Chem	Lb	705		1,762.50
CF100	Drain Chaise 0-300	SK	1		1,000.00
CF240	Block and main Service Chaise	SK	150		210.00
SC003	Service Submerger	FS	1		175.00
SUB TOTAL					7,937.90

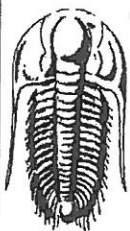
CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		4,365.00

SERVICE REPRESENTATIVE [Signature]	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]
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FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pickrell Drilling Company Inc
100 S Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Aaron Young

17/16S/24W/Ness

LeFon Trust B #1

Job Ticket: 64778

DST#: 1

Test Start: 2017.05.05 @ 21:39:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:44:00

Time Test Ended: 06:55:30

Interval: **4465.00 ft (KB) To 4505.00 ft (KB) (TVD)**

Total Depth: 4505.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 72 Hays/112

Reference Elevations: 2507.00 ft (KB)

2500.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8648

Inside

Press@RunDepth: 322.97 psig @ 4501.00 ft (KB)

Start Date: 2017.05.05

End Date:

2017.05.06

Start Time: 21:39:05

End Time:

06:55:30

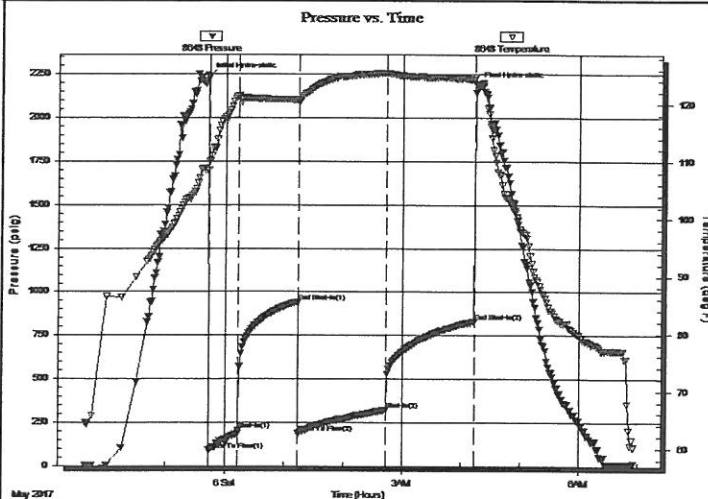
Capacity: 8000.00 psig

Last Calib.: 2017.05.06

Time On Btm: 2017.05.05 @ 23:43:00

Time Off Btm: 2017.05.06 @ 04:16:00

TEST COMMENT: I.F. 30 Minutes/Packer leaked at open set more weight on and was ok /Blow built to BOB in 6 minutes
 I.S.I. 60 Mintues/Surface blow back
 F.F. 90 Mintues/Blow built to BOB in 19 minutes
 F.S.I. 90 Minutes/Blow back built to 1 inch



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2232.91	108.52	Initial Hydro-static
1	90.36	110.05	Open To Flow (1)
31	202.59	121.58	Shut-In(1)
91	942.42	120.80	End Shut-In(1)
91	189.16	120.50	Open To Flow (2)
180	322.97	125.41	Shut-In(2)
271	832.15	124.31	End Shut-In(2)
273	2183.15	123.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Oil cut Muddy Water	4.35
0.00	Oil 5% Mud 20% Water 75%	0.00
186.00	Oilly Mud	2.61
0.00	Oil 40% Mud 60%	0.00
77.00	Gassy Oil	1.08
0.00	Gas 10% Oil 90%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Pickrell Drilling Company Inc
100 S Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Aaron Young

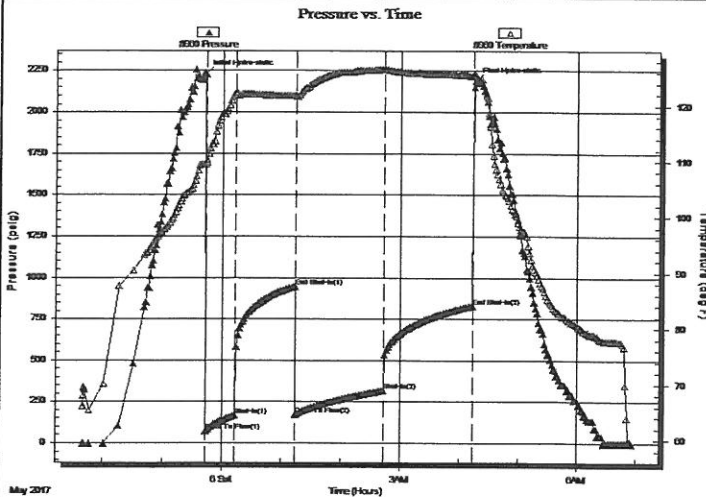
17/16S/24W/Ness
LeFon Trust B #1
Job Ticket: 64778 DST#: 1
Test Start: 2017.05.05 @ 21:39:00

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 23:44:00
Time Test Ended: 06:55:30
Interval: **4465.00 ft (KB) To 4505.00 ft (KB) (TVD)**
Total Depth: **4505.00 ft (KB) (TVD)**
Hole Diameter: **7.80 inches** Hole Condition: Fair
Reference Elevations: **2507.00 ft (KB)**
2500.00 ft (CF)
KB to GR/CF: **7.00 ft**
Test Type: **Conventional Bottom Hole (Initial)**
Tester: **Ken Swinney**
Unit No: **72 Hays/112**

Serial #: 8960 **Outside**
Press@RunDepth: **830.70 psig @ 4502.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2017.05.05** End Date: **2017.05.06** Last Calib.: **2017.05.06**
Start Time: **21:39:05** End Time: **06:55:30** Time On Btm: **2017.05.05 @ 23:43:00**
Time Off Btm: **2017.05.06 @ 04:16:00**

TEST COMMENT: I.F. 30 Minutes/Packer leaked at open set more weight on and was ok /Blow built to BOB in 6 minutes
I.S.I. 60 Mintues/Surface blow back
F.F. 90 Mintues/Blow built to BOB in 19 minutes
F.S.I. 90 Minutes/Blow back built to 1 inch



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.36	109.51	Initial Hydro-static
1	71.23	109.91	Open To Flow (1)
30	166.93	122.34	Shut-In(1)
91	943.34	121.82	End Shut-In(1)
91	171.73	121.62	Open To Flow (2)
180	318.64	126.50	Shut-In(2)
271	830.70	125.39	End Shut-In(2)
273	2187.12	125.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Oil cut Muddy Water	4.35
0.00	Oil 5% Mud 20% Water 75%	0.00
186.00	Oilly Mud	2.61
0.00	Oil 40% Mud 60%	0.00
77.00	Gassy Oil	1.08
0.00	Gas 10% Oil 90%	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company Inc
100 S Main
Suite 505
Wichita, Kansas 67202+3738
ATTN: Aaron Young

17/16S/24W/Ness
LeFon Trust B #1
Job Ticket: 64778 **DST#: 1**
Test Start: 2017.05.05 @ 21:39:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 39 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 16000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3100.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Oil cut Muddy Water	4.348
0.00	Oil 5% Mud 20% Water 75%	0.000
186.00	Oily Mud	2.609
0.00	Oil 40% Mud 60%	0.000
77.00	Gassy Oil	1.080
0.00	Gas 10% Oil 90%	0.000
0.00	419 feet of gas in pipe	0.000

Total Length: 573.00 ft Total Volume: 8.037 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Recovery Resistivity .575 ohms @ 52 deg

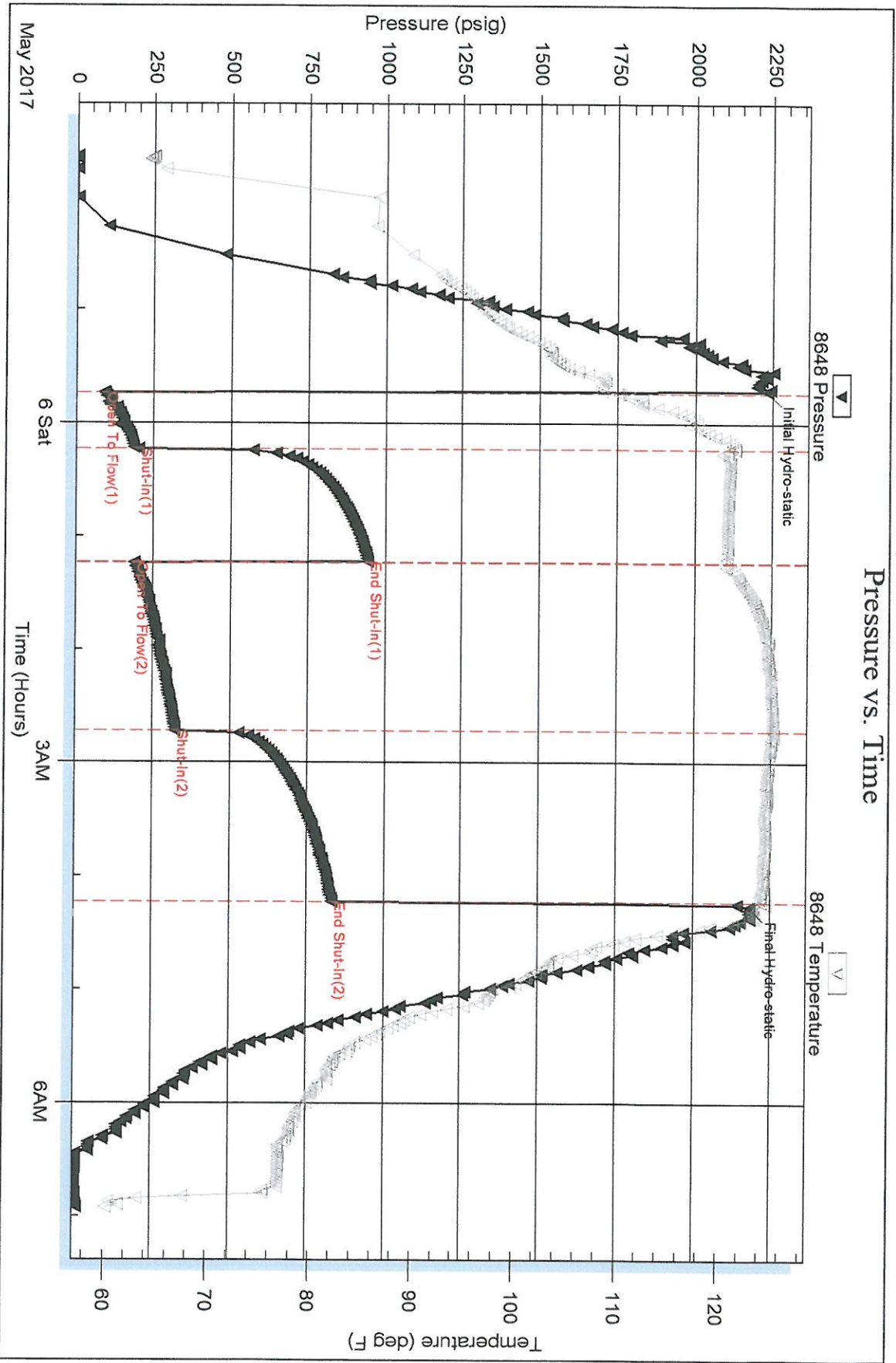
Serial #: 8648

Inside

Pickrell Drilling Company Inc

LeFon Trust B #1

DST Test Number: 1

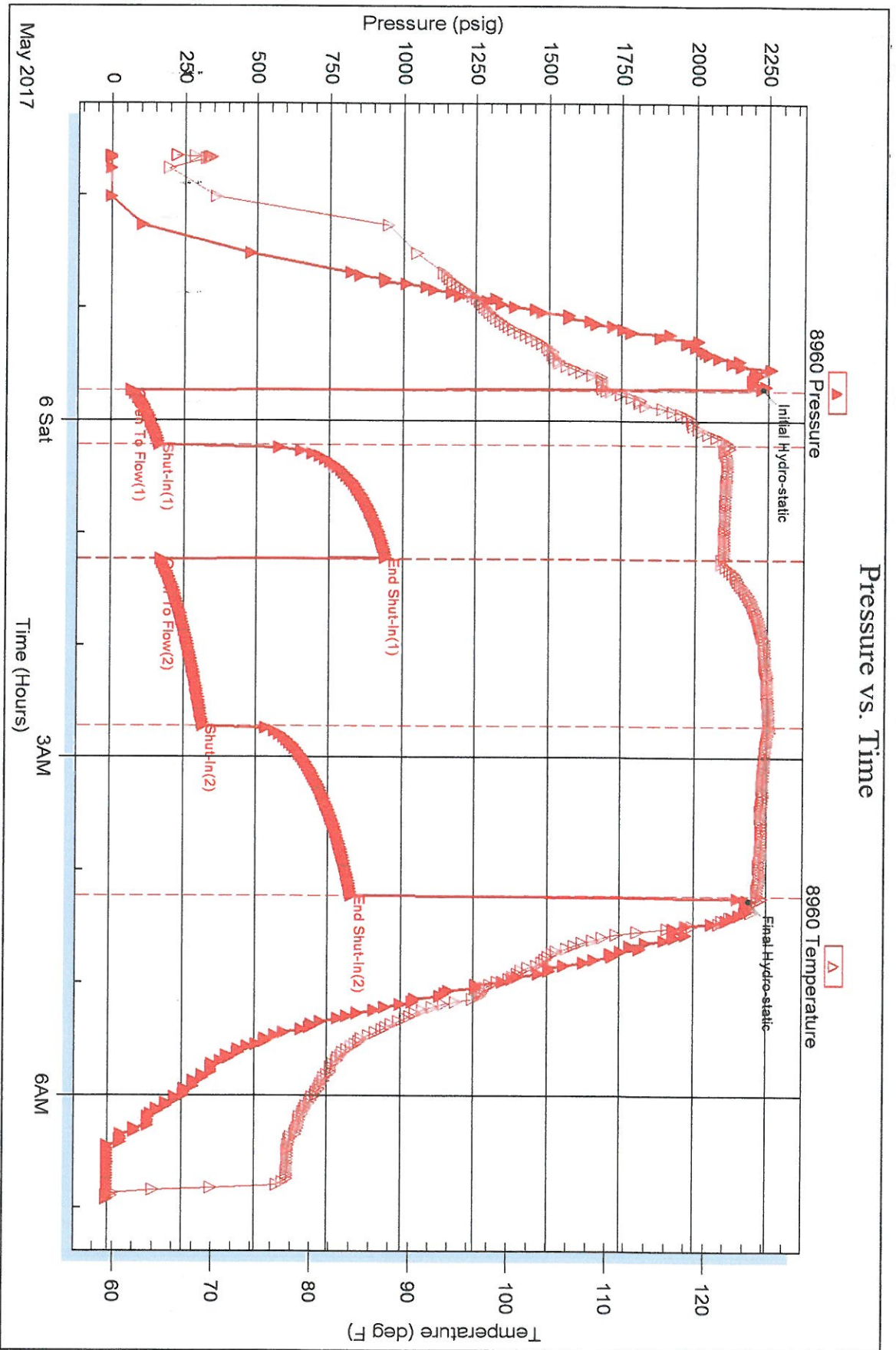


Serial #: 8960

Outside Pickett Drilling Company Inc

LeFon Trust B#1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 64778

Printed: 2017.05.06 @ 11:20:11

Geologic Report
Aaron L. Young

Drilling Time and Sample Log

**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: LaFon Trust B #1
API: 15-135-25949
Location: Section 17 - T16S - R24W
License Number: 5123
Spud Date: 04 / 28 / 2017
Surface Coordinates: 2135' FNL and 1255' FEL
Approx. NW - SW - SE - NE
Region: Ness Co., KS
Drilling Completed: 05 / 6 / 2017

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2500' **K.B. Elevation (ft):** 2507'
Logged Interval (ft): 3700' **To:** 4600' **Total Depth (ft):** 4600'
Formation: Mississippian
Type of Drilling Fluid: Chemical - Mud-Co

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Pickrell Drilling Company, Inc.
Address: 100 S Main, Ste 505
Wichita, KS 67202

GEOLOGIST

Name: Aaron L. Young, M. S.
Company: Pickrell Drilling Company, Inc.
Address: 100 S Main Ste 505
Wichita, KS 67202

General Info

CONTRACTOR: Pickrell Drilling, Rig #10

BIT RECORD:

No.	Size	Make	Jets	Out	Feet	Hours
1	12-1/4	RR	16-16-16	210'	203'	3.5
2	7-7/8	JZ	16-16-16	4600'	4397'	135.5

SURVEYS: 210'-.5, 717'-1, 1248'-1, 1717'-1, 2310'-.75, 2810'-.75, 4505'-.5, 4600'-1

GENERAL DRILLING AND PUMP INFORMATION:

Drilling with 35,000 - 42,000 lbs. on bit and approx 65 RPM.
Running 8 stands of collars; 458'
Pumping 50-57 strokes/min @ approx 500-600 psi at standpipe.

Daily Status

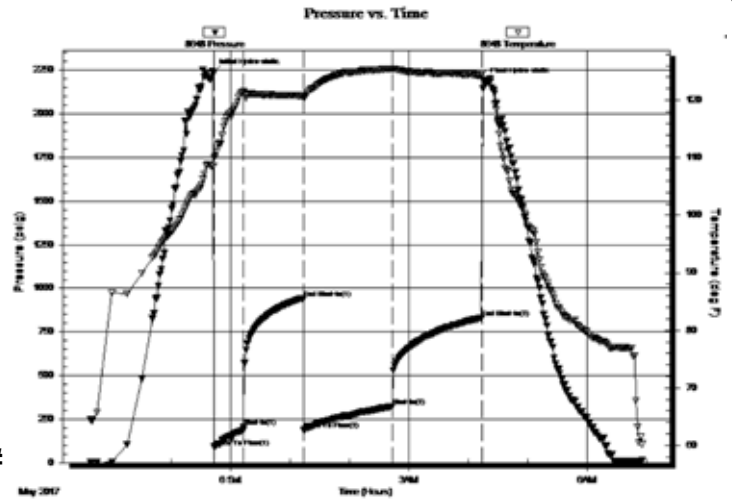
04/28/17 - Spud @ 12:00am, Depth 210', ran 5 jts of new 8 5/8" 28# surface casing set @ 207', cemented w/ 150 sx. Common, 2% gel, 3% CC, PD @ 9:00am. cem did circ.
 04/29/17 - Drilling, @ 910'
 04/30/17 - Drilling, @ 1998'
 05/01/17 - Drilling, @ 2716'
 05/02/17 - Drilling, @ 3188'
 05/03/17 - Drilling, @ 3700'
 05/04/17 - Drilling, @ 4147'
 05/05/17 - CFS @ 4424' (Ft. Scott)
 05/06/17 - DST #1 4465' - 4505', TD well @ 4600' RTD, Ran 118 jts of use 4 1/2" 10.5# prod csg. set @ 4598', cem w/ 145 sx EA-2, 30 sx cem in RH.

DST #1 MISSISSIPPI 4465' - 4505'
30"-60"-90"-90"

IF: Packer leaked at open, set more weight on and was ok / built to BOB in 6 min
 ISI: Surface blow back
 FF: Built to BOB in 19 min
 FSI: Blow back built to 1"

Rec'd: 77' CGO (10% G, 90% O), 186' OM (40% O, 60% M),
 310' OCMW (5% O, 20% M, 75% W)

SIP: 942-832# FP: 90-203#, 189-323# HP: 2233#-2183#



ROCK TYPES

	Anhy
	Bent
	Brec
	Cht
	Clyst
	Coal
	Congl
	Dol

	Gyp
	Igne
	Lmst
	Meta
	Mrlst
	Salt
	Shale
	Shcol

	Shgy
	Sltst
	Ss
	Till
	Carb sh
	Dol
	Dtd
	Gry sh

	Sandylms
	Shale
	Sltstn
	Shlyslts
	Sltlysh
	Lms

ACCESSORIES

MINERAL

- Anhy
- Arggrn
- Arg
- Bent
- Bit
- Breclfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Feldspar
- Ferrpel
- Ferr
- Glau
- Gyp
- Hvymin
- Kaol
- Marl
- Minxl
- Nodule
- Phos
- Pyr

- Salt
- Sandy
- Silt
- Sil
- Sulphur
- Tuff
- Chlorite
- Dol
- Sand
- Sltly

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram

- Fossil
- Gastro
- Oolite
- Ostra
- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomold

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Sltstrg
- Ssstrg
- Carbsh

- Clystn
- Dol
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Sltstn

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Graint
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest

OTHER SYMBOLS

POROSITY TYPE

- Earthy
- Fenest
- Fracture
- Inter
- Moldic
- Organic
- Pinpoint
- Vuggy

SORTING

- Well
- Moderate
- Poor

ROUNDING

- Rounded
- Subrnd
- Subang
- Angular

OIL SHOWS

- Even
- Spotted
- Ques
- Dead
- Gas show

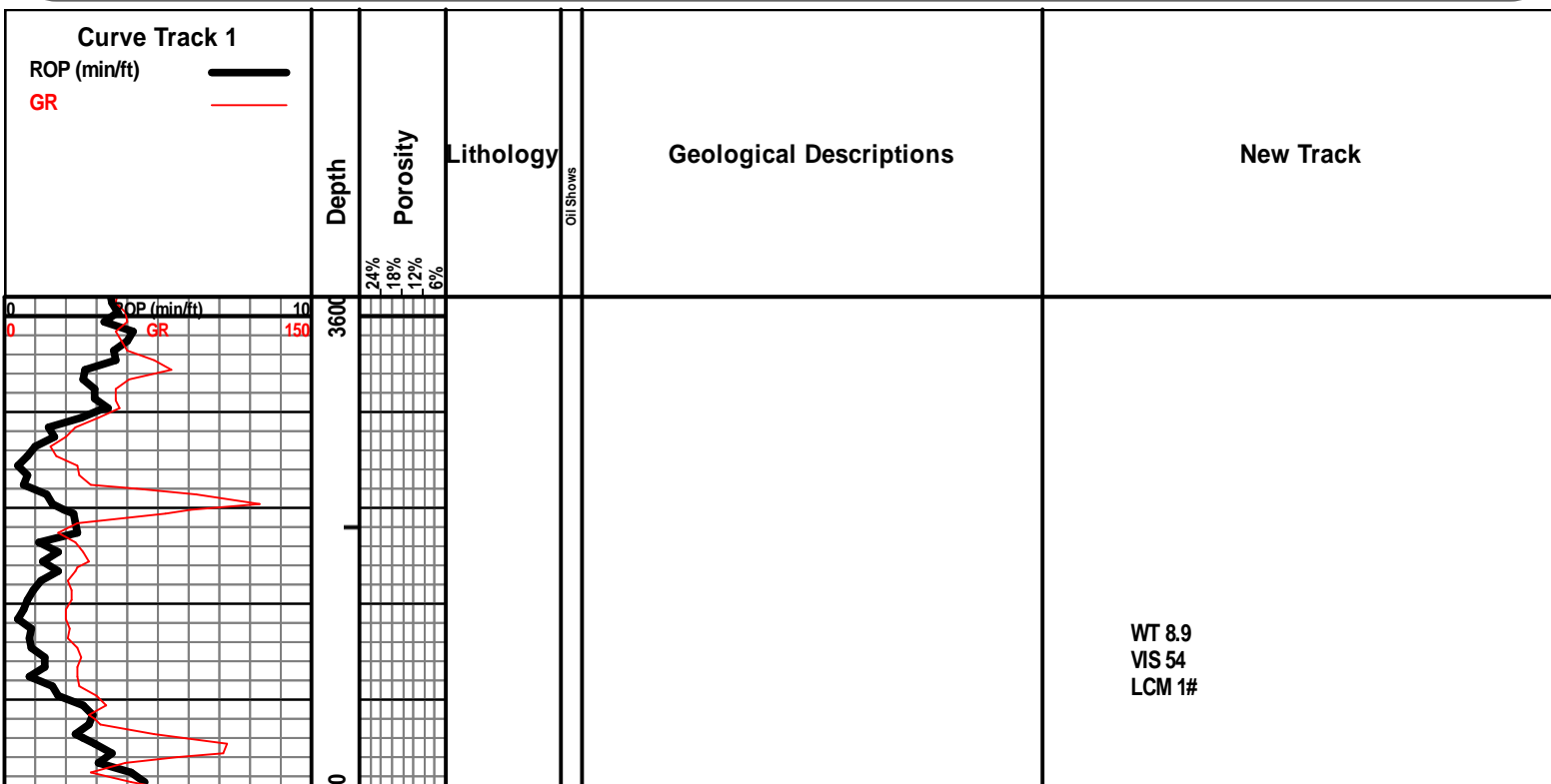
INTERVALS

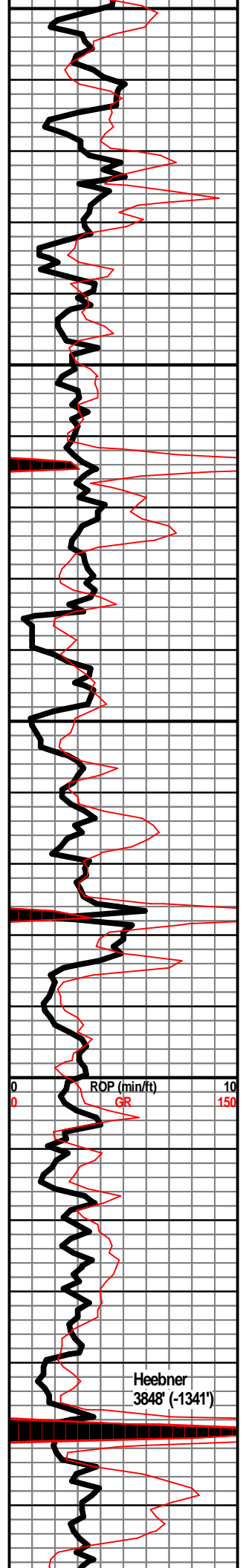
- Core
- Dst

- Dst

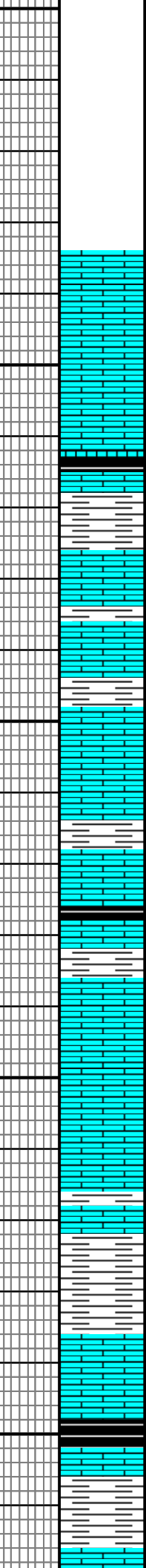
EVENTS

- Rft
- Sidewall
- Conn





3650
3700
3750
3800
3850



LS - TAN / LT GY, F XLN, DNS, FOSS

LS - TAN / CRM, F XLN, MOD DNS / DNS, FOSS IN PT

SH - BLK, CARB, W/ LS - TAN / GY, VF / F XLN, MOD DNS / DNS, ABUND FOSS

SH - RD / GRN / GY, W/ LS - WHT / CRM, VF XLN, SUBCHKY / CHKY

LS - CRM / TAN, LT BRN IN PT, F XLN, MOD DNS / DNS, FOSS, W/ SH - LT GRN

LS - CRM / TAN, WHT IN PT, VF XLN, CHKY / SUBCHKY

SH - GRN, W/ LS - TAN, VF / F XLN, MOD DNS / DNS, FOSS, PYRITIC IN PT

SH - GY, W/ LS - CRM, F / M XLN, DNS, FOSS IN PT

SH - BLK, SLI CARB, W/ LS - TAN / GY, F XLN, DNS, ABUND FOSS

SH - GY / GRN, W/ LS - CRM, VF / F XLN, SUBCHKY

LS - CRM / TAN, F XLN, MOD DNS, ABUND FOSS, LRG FUSULINIDS

LS - TAN / GY, VF / F XLN, MOD DNS, ABUND FOSS

SH - GY, W/ LS - TAN, VF / F XLN, MOD DNS, FOSS

SH - GY, SLTY IN PT

SH - RD / GRN, W/ LS - BRN, F XLN, DNS, FOSS

SH - BLK, CARB, W/ LS - CRM, VF / F XLN, SUBCHKY, FOSS, W/ SH - RD / GRN

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY, FOSS IN PT, W/ SH - RD / GRN

WT 9.0
VIS 56
LCM 1#

WT 8.9
VIS 59
LCM 1#

WT 8.8
VIS 55
LCM 1#

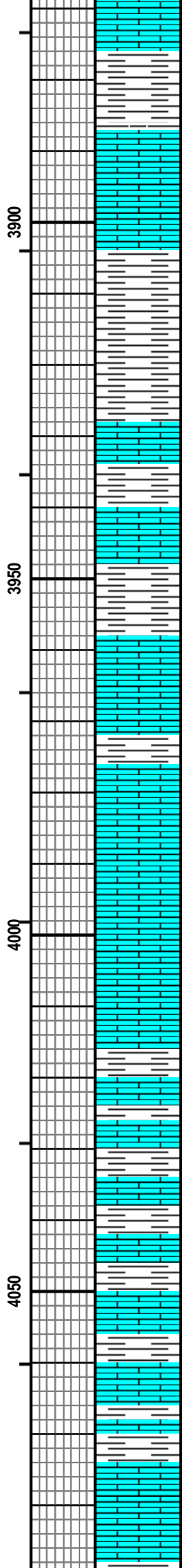
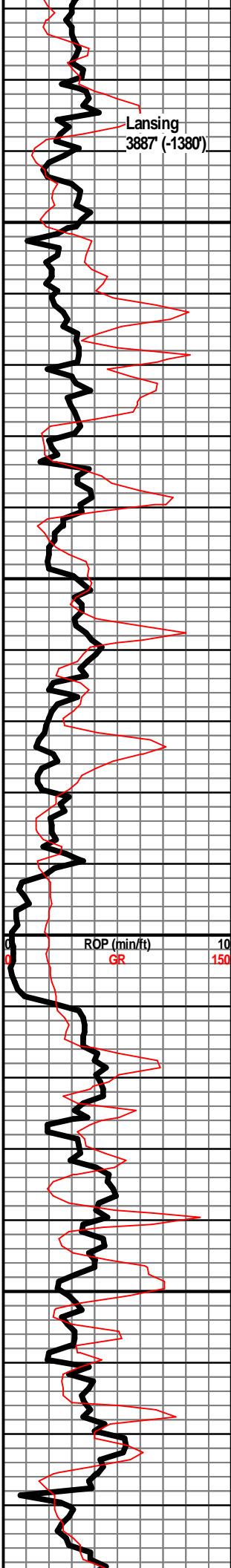
WT 8.8
VIS 55
LCM 1#

WT 8.8
VIS 53
LCM 1#

WT 9.0
VIS 56
LCM 1#

ROP (min/ft)
0 10
0 150

Heebner
3848' (-1341')



LS - WHT, VF XLN, V CHKY / CHKY

SH - GY, W/ LS - CRM, F XLN, MOD DNS / DNS, FOSS

LS - CRM, F XLN, DNS / MOD DNS, SLI FOSS, NS, NO ODOR

LS - CRM, VF / F XLN, SUBCHKY, W/ SH - GY

SH - DK GY / BLK, V SLI CARB

SH - GRN / GY

SH - GRN / RD-ORNG

LS - CRM, VF / F XLN, MOD DNS / DNS

SH - MAR / GRN / GY, W/ LS - CRM, VF / F XLN, SUBCHKY / MOD DNS

SH - LT GY / DK GY / BLK IN PT

LS - CRM, VF / F XLN, SUBCHKY / MOD DNS IN PT

LS - TAN / GY, F XLN, MOD DNS, FOSS IN PT

LS - CRM / TAN, VF / FXLN, SUBCHKY / CHKY IN PT

LS - CRM / TAN, VF / F XLN, MOD DNS / SUBCHKY, FOSS

LS - CRM / TAN, F XLN, OOL, P / F OOLMOLDIC POR, FOSS, NS, NO ODOR

LS - CRM / TAN, F XLN, MOD DNS / DNS, FOSS IN PT

SH - GRN / GY, RD IN PT

SH - DK GY / LT GY

SH - GY, W/ LS - CRM, VF / F XLN, MOD DNS, SUBCHKY IN PT

SH - GY, V SLTY, W/ LS - CRM / TAN, VF / F XLN, FOSS IN PT,

LS - CRM, F XLN, MOD DNS / DNS, FOSS

SH - RD / GRN / GY, W/ LS - CRM, VF / F XLN, SUBCHKY / CHKY IN PT

LS - CRM / WHT, VF XLN, CHKY / SUBCHKY, STYLOLITIZED IN PT

VIS 50
LCM 1#

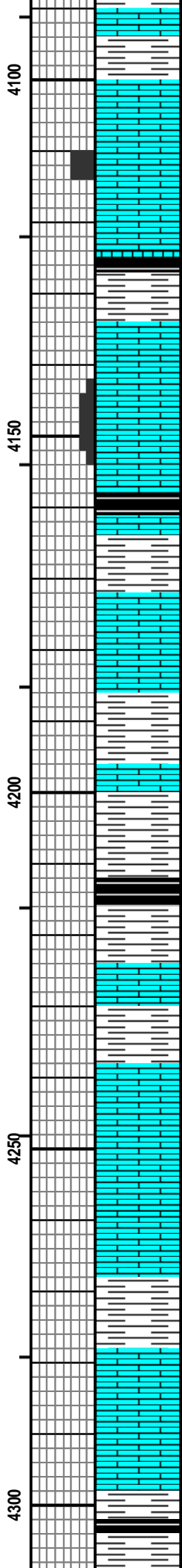
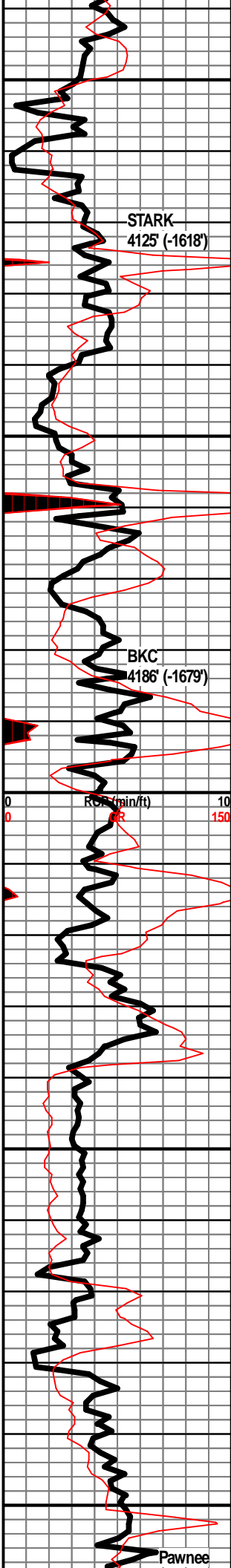
WT 9.2
VIS 53
LCM 1#

WT 9.2
VIS 55
LCM 1#

WT 9.3
VIS 57
LCM 1#

WT 9.4
VIS 57
LCM 1#

REDUCED MUD
PUMP TO 50-52
STROKES / MIN TO
IMPROVE SAMPLES



LS - CRM / TAN, F / M XLN, DNS, SLI FOSS, W/ SH - RD / GRN

LS - CRM / TAN, F XLN, OOL, FOSS, F OOLMOLDIC POR, VSSFO IN FEW PIECES, SLI OIL SHEEN, MOST POR BARREN, SLI MINERAL FLUOR

LS - CRM / WHT, VF XLN, SUBCHKY / CHKY

SH - BLK, CARB

SH - GY

LS - CRM / TAN, F XLN, OOL IN PT, P / F OOLMOLDIC POR, NS, NO ODOR

LS - CRM, VF / F XLN, MOD DNS / DNS

SH - BLK, CARB

SH - GY, W/ LS - BRN, F XLN, DNS, FOSS

LS - CRM, F XLN, MOD DNS / DNS, FOSS

SH - GRN / GY

SH - GRN / RD, W/ LS - TAN / GY, F XLN, MOD DNS / DNS

SH - GRN, RD, GY

SH - BLK, V SLI CARB

LS - CRM / WHT, VF XLN, CHKY / SUBCHKY, W/ SH - GRN / RD / GY

LS - TAN, F XLN, MOD DNS / DNS

LS - CRM / TAN, VF / F XLN, MOD DNS / DNS, SUBCHKY IN PT

LS - CRM, VF / F XLN, MOD DNS

LS - CRM, VF / F XLN, MOD DNS / SUBCHKY, CHKY IN PT, W/ SH - GY / GRN / RD

LS - CRM / TAN, F XLN, MOD DNS / DNS, SLI FOSS IN PT

LS - TAN, F XLN, DNS, SLI FOSS

SH - GY / GRN / RD

SH -DK GY / BLK, V SLI CARB

WT 9.3
VIS 60
LCM 1#

WT 9.3
VIS 60
LCM 1#

WT 9.3
VIS 63
LCM 2#

WT 9.3
VIS 58
LCM 2#

WT 9.3
VIS 58
LCM 2#

WT 9.3
VIS 58
LCM 2#

WT 9.4
VIS 58
LCM 1#

WT 9.4
VIS 54
LCM 1#

4310' (-1803')

LS - TAN / GY, F XLN, MOD DNS / DNS, SLI FOSS

LS - CRM / TAN, F XLN, DNS

LS - TAN / GY, VF / F XLN, MOD DNS / DNS, FOSS

WT 9.4
VIS 58
LCM 1#

LS - TAN / LT GY, VF / F XLN, MOD DNS / DNS

WT 9.4
VIS 51
LCM 1#

SH - GY

SH - CARB

LS - TAN / GY, F XLN, V DNS, ABUND FOSS, NO VIS POR, NS, NO ODOR, MINERAL FLUOR

WT 9.2
VIS 52
LCM 1#

SH - GY / GRN / RD

WT 9.3
VIS 51
LCM 1#

LS - TAN / GY, VF / F XLN, MOD DNS / SUBCHKY, FOSS, NO VIS POR, NS, NO ODOR, MINERAL FLUOR

SH - BLK, CARB

LS - TAN / GY, VF / F XLN, ABUND FOSS, P / F INTRAMOLDIC + INTXN POR, VSSFO, ABUND OIL SHEEN, SLI ODOR, G YEL-GRN FLUOR

WT 9.5
VIS 53
LCM 2#

LS - TAN, VF / F XLN, MOD DNS, ABUND FOSS, NO VIS POR, NS, NO ODOR

SH - BLK, CARB

WT 9.4
VIS 50
LCM 1#

SH - RD / GRN / GY

LS - TAN / GY, VF / F XLN, MOD DNS / DNS, FOSS

DST #1
MISSISSIPPI
4465' - 4505'
30"-60"-90"-90"

SH - GY / GRN / RD / MAR

SH - GY

IF: Packer leaked at open, set more weight on and was ok / built to BOB in 6 min
ISI: Surface blow back
FF: Built to BOB in 19 min
FSI: Blow back built to 1"

SH - GY / GRN / MAR / RD-ORNG / RD

DOLO - CRM, VF XLN, SUBCHKY / CHKY, NO VIS POR, NS, NO ODOR

Rec'd: 77' CGO (10% G, 90% O), 186' OM (40% O, 60% M), 310' OCMW (5% O, 20% M, 75% W)

DOLO - CRM, VF / F XLN, SUCROSIC, F / G INTXN + VUG POR, G FOSS MOLDIC POR, VGSFO, LT BRN OIL, SHO OF GAS, G YEL-GRN FLUOR, F ODOR

IH: 2233#
IF: 90-203#
ISI: 942#
FF: 189-323#
FSI: 832#
FH: 2183#

DOLO - CRM / TAN, F XLN, ABUND FOSS, F / G MOLDIC + INTXN POR, GSFO, F ODOR, G YEL-GRN FLUOR

WT 9.2
VIS 55
LCM 2#

DOLO - CRM / TAN / LT BRN, FOSS, F / G MOLDIC + VUG POR, GSFO, LT BRN OIL, G SHO GAS, G ODOR, G YEL-GRN FLUOR

DOLO - CRM, VF / F XLN, F INTXN + VUG POR, NSFO, ABUND OIL SHEEN, F ODOR, G YEL-GRN FLUOR

DOLO - CRM, VF / F XLN, SUCROSIC IN PT, F / G INTXN POR, NSFO, ABUND OIL SHEEN, SHO OF GAS, F ODOR, G YEL-GRN FLUOR

4350

4400

4450

4500

FT SCOTT
4390' (-1883')

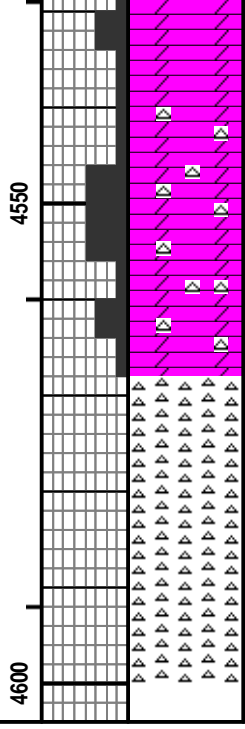
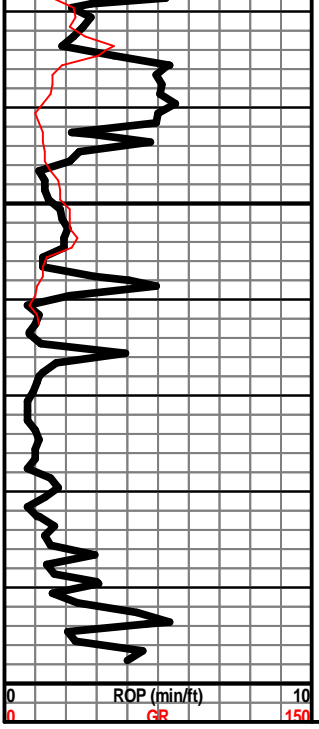
CFS @ 4424'

MISSISSIPPI
4476' (-1969')

CFS @ 4500'

CFS @ 4505'

0 CFS @ 4402' ROP (min) 10
0 6R 150



DOLO - CRM / TAN, VF / F XLN,

DOLO - WHT / TAN, F XLN, MOD DNS, V CHTY, WHT OPAQ
FRSH CHT, F / G INTXLN POR, NS, NO ODOR

SAMPLE QUALITY VERY POOR, SAW FEW PIECES
OF CHT - WHT / GY, FRSH, PRED OPAQ,
TRANLUCNT IN PT, NO POR, NS, NO ODOR

RTD 4600'

DRILL TIME SLID
UP 2' TO MATCH
LOG

WT 9.2
VIS 55
LCM 1.5#