

Confidentiality 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 - 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

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: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No 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:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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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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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	SMITH 4-34
Doc ID	1583541

All Electric Logs Run

Sonic
Induction
Microlog
Porosity



HURRICANE SERVICES INC

4-34

Conductor cement ticket

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:

BEREXCO LLC
2020 N BRAMBLEWOOD
WICHITA, KS 67206-1094

Invoice Date: 5/12/2021
Invoice #: 0353021
Lease Name: 4 Smith
Well #: 3-34 (New)
County:
Job Number: WP1386
District: Pratt

Date/Description	HRS/QTY	Rate	Total
13 3/8" Conductor	0.000	0.000	0.00
Class C Cement	375.000	17.850	6,693.75
Calcium Chloride	1,059.000	0.637	675.11
Cello Flake	96.000	1.488	142.80
13 3/8" Centralizer	2.000	106.250	212.50
Light Eq Mileage	45.000	1.700	76.50
Heavy Eq Mileage	45.000	3.400	153.00
Ton Mileage	794.000	1.275	1,012.35
Cement Pump Service	1.000	637.500	637.50

M
BCA

ENTERED ENTERED

CORP # 333 GLMINK # 2105
GLMAJR: 2090 GLMINK: 1000
A/C: _____ ENTITY: 1281204
VIP # 38281 C BY DHR BY _____
DESC: _____

Total 9,603.51

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/4% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

SALES TAX: Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
 250 N. Water St., Suite #200
 Wichita, KS 67202



Customer	BEREXCO	Lease & Well #	SMITH 3-34	Date	6/12/2021
Service District	PRATT, KS	County & State	KIOWA, KS	Legal S/TIR	34-30S-18W
Job Type	13 3/8" CONDUCTOR PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No	Job #
Equipment #	Driver	Job Safety Analysis - A Discussion of Hazards & Safety Procedures			
75	LESLEY	<input checked="" type="checkbox"/> Hard hat	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging
176-521	McLAMORE	<input checked="" type="checkbox"/> H2S Monitor	<input checked="" type="checkbox"/> Eye Protection	<input type="checkbox"/> Required Permits	<input type="checkbox"/> Fall Protection
181-532	(RH) TRAVINO	<input checked="" type="checkbox"/> Safety Footwear	<input checked="" type="checkbox"/> Respiratory Protection	<input checked="" type="checkbox"/> Slip/Trip/Fall Hazards	<input checked="" type="checkbox"/> Specific Job Sequence/Expectations
		<input checked="" type="checkbox"/> FRG/Protective Clothing	<input checked="" type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input checked="" type="checkbox"/> Muster Point/Medical Locations
		<input checked="" type="checkbox"/> Hearing Protection	<input checked="" type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below	
Comments					
13 3/8" CONDUCTOR PIPE					
Product/Service Code					
	Description	Unit of Measure	Quantity	Net Amount	
CP886	Class C Cement	sack	375.00	\$0,693.75	
CP100	Calcium Chloride	lb	1,059.00	\$676.11	
CP120	Cello-Bako	lb	86.00	\$142.80	
FE340	13 3/8" Centralizer	ea	2.00	\$212.60	
MO15	Light Equipment Mileage	mi	45.00	\$76.50	
MO10	Heavy Equipment Mileage	mi	45.00	\$163.00	
MO20	Ton Mileage	tn	794.00	\$1,012.38	
CA10	Cement Pump Service	ea	1.00	\$697.60	
Customer Section: On the following scale how would you rate Hurricane Services Inc.?					
Based on this job, how likely is it you would recommend HSI to a colleague?				Total Taxable \$	Tax Rate
<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
<input type="checkbox"/> 7	<input type="checkbox"/> 8	<input type="checkbox"/> 9	<input type="checkbox"/> 10	Net: \$9,003.51	
State tax laws deem certain products and services used on new wells to be sales tax exempt. Hurricane Services relies on the customer provided well information above to make a determination if services and/or products are tax exempt.				Sale Tax \$	Total \$ 9,003.51
HSI Representative:				Kevin Lesley	

TERMS: Cash in advance unless Hurricane Services Inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 1/4% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency and/or attorney to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is then retroactively due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties and stated price adjustments. Actual charges may vary depending upon time, equipment, and material quantities required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for comparison or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment is in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining suitable services.

[Handwritten Signature]

CUSTOMER AUTHORIZATION SIGNATURE



CEMENT TREATMENT REPORT

Customer: BEREXCO	Well: SMITH 3-34	Ticket: WP 1385
City, State:	County: KIOWA, KS	Date: 6/12/2021
Field Rep:	S-T-R: 34-30S-18W	Service: 13 3/8" CONDUCTOR

Downhole Information		Calculated Slurry - Lead		Calculated Slurry - Tail	
Hole Size:	17-1/2 in	Blond:		Blond:	CLASS C CEMENT
Hole Depth:	380 ft	Weight:	ppg	Weight:	14.8 ppg
Casing Size:	13 3/8 in 48#	Water / Sk:	gal / sk	Water / Sk:	6.4 gal / sk
Casing Depth:	385.33 ft	Yield:	ft ³ / sk	Yield:	1.35 ft ³ / sk
Tubing / Liner:	in	Annular Bbls / Ft.:	bbls / ft.	Annular Bbls / Ft.:	bbls / ft.
Plug Depth:	365.33 ft	Depth:	ft	Depth:	ft
Tool / Packer:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	93%
Displacement:	57.5 bbls	Total Slurry:	0.0 bbls	Total Slurry:	90.0 bbls
		Total Sacks:	0 sk	Total Sacks:	375 sk

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	REMARKS
8:00PM					ON LOCATION - SPOT EQUIPMENT AND RIG UP FOR JOB
9:00AM					RUN 8 JTS 13 3/8" X 48# CASING
					CENTRALIZERS- 2 AND 5
					LANDED WITH 8 6/8" LANDING JT
12:30AM					CASING ON BOTTOM
12:36AM					HOOK UP TO CASING - BREAK CIRCULATION WITH RIG PUMP AND MUD
12:55AM	5.0	200.0	10.0	10.0	H2a AHEAD
12:59AM	5.0	100.0	80.0	100.0	MIX 375 SKS CLASS C CEMENT @ 14.8 PPG
1:17AM	5.0			100.0	START DISPLACEMENT
1:27AM	4.0	200.0	50.0	150.0	SLOW RATE
1:30AM	3.0	200.0	57.5	207.5	CEMENT @ DESIRED DEPTH
					CIRCULATION THRU JOB
					CIRCULATED 10 BBL TO PIT
1:45AM					WASH UP PUMP TRUCK
					JOB COMPLETE,
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Cementor:	LESLEY	75	Average Rate	Average Pressure	Total Fluid
Pump Operator:	McLAMORE	176-521	4.4 bpm	140 psi	208 bbls
Bulk #1:	(RH) TRAVINO	181-532			
Bulk #2:					

#4-34
Surface cmt ticket



HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc.
250 N. Water, Suite 200
Wichita, KS 67202
316-303-9515

Customer:
BEREXCO LLC
2020 N BRAMBLEWOOD
WICHITA, KS 67206-1094

Invoice Date: 5/13/2021
Invoice #: 0353028
Lease Name: Smith
Well #: 4-34
County: Kiowa, Ks
Job Number: WP1391
District: Pratt

Date/Description	HRS/QTY	Rate	Total
8 5/8" Surface	0.000	0.000	0.00
H-Lite	150.000	11.700	1,755.00
Cement Class A	250.000	15.300	3,825.00
Calcium Chloride	863.000	0.575	582.53
Cello Flake	102.000	1.575	160.65
8 5/8" Flapper insert valve	1.000	337.500	337.50
8 5/8" Top rubber plug	1.000	157.500	157.50
8 5/8" Centralizer x 12 1/4"	3.000	81.000	243.00
8 5/8" Cementing basket	2.000	450.000	900.00
Light Eq Mileage	45.000	1.800	81.00
Heavy Eq Mileage	45.000	3.600	162.00
Ton Mileage	1,019.000	1.350	1,375.65
Cement Pump Service	1.000	990.000	990.00
Cement Plug Container	1.000	225.000	225.00

Total 10,794.83

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 1/2% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice.

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WE APPRECIATE YOUR BUSINESS!

Hurricane Services, Inc.
 250 N. Water St., Suite #200
 Wichita, KS 67202



Customer	DEREXCO		Lease & Well #	SMITH 4-34		Date	5/13/2021		
Service District	PRATT, KS		County & State	KIOWA, KS		Legals S/T/R	34-308-18V1		
Job Type	<input checked="" type="checkbox"/> 8 5/8" SURFACE	<input type="checkbox"/> PROD	<input type="checkbox"/> INJ	<input type="checkbox"/> SWD	New Well?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Job #	
Equipment #	75	LESLEY	Job Safety Analysis - A Discussion of Hazards & Safety Procedures						Tickler #
Driver	LESLEY		<input type="checkbox"/> Hard hat	<input type="checkbox"/> Gloves	<input type="checkbox"/> Lockout/Tagout	<input type="checkbox"/> Warning Signs & Flagging			
	176-921		<input type="checkbox"/> H2S Monitor	<input type="checkbox"/> Eye Protection	<input type="checkbox"/> Required PPE	<input type="checkbox"/> Fall Protection			
	181-932		<input type="checkbox"/> Safety Footwear	<input type="checkbox"/> Respiratory Protection	<input type="checkbox"/> Slip/Trip/Fall Hazards	<input type="checkbox"/> Specific Job Sequence/Expectations			
			<input type="checkbox"/> FRAC/Protective Clothing	<input type="checkbox"/> Additional Chemical/Acid PPE	<input type="checkbox"/> Overhead Hazards	<input type="checkbox"/> Muster Point/Meeting Locations			
	240		<input type="checkbox"/> Hoisting Protection	<input type="checkbox"/> Fire Extinguisher	<input type="checkbox"/> Additional concerns or issues noted below				
Comments									
8 5/8" SURFACE PIPE									
Product/Service Code									
Description									
Unit of Measure									
Quantity									
Net Amount									
CP053	H-Life		sack	150.00				\$1,755.00	
CP013	Class A Cement		sack	250.00				\$3,825.00	
CP100	Calcium Chloride		lb	853.00				\$182.83	
CP120	Cello-tape		lb	102.00				\$160.65	
FE275	8 5/8" AFU Flapper Inset Valve		ea	1.00				\$337.50	
FE285	8 5/8" Rubber Plug		ea	1.00				\$167.50	
FE290	8 5/8" Centralizer		ea	3.00				\$243.00	
FE295	8 5/8" Cement Basket		ea	2.00				\$808.00	
MO15	Light Equipment Mileage		mi	45.00				\$81.00	
MO16	Heavy Equipment Mileage		mi	45.00				\$102.00	
MO20	Van Mileage		mi	1,010.00				\$1,375.85	
CO11	Cement Pump Service		ea	1.00				\$990.00	
CO50	Cement Pump Container		job	1.00				\$226.00	
Customer Section: On the following scale how would you rate Hurricane Services, Inc.?									
Total Taxable \$ - Tax Rate: %									
Based on this job, how likely is it you would recommend HSI to a colleague?									
<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 Daily Day									
HSI Representative: <i>Kevin Lesley</i> Total: \$ 10,784.83									

TERMS: Cash in advance unless Hurricane Services, Inc. (HSI) has approved credit prior to sale. Credit terms of 30/9 for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1.5% per month or the maximum allowable by applicable state or federal laws. In the event it is necessary to employ an agency under a timely to affect the collection, Customer hereby agrees to pay all fees directly or indirectly incurred for such collection. In the event that Customer's account with HSI becomes delinquent, HSI has the right to revoke any discounts previously applied by amending all invoices. Upon resolution, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and are good for 30 days from the date of issue. Pricing does not include federal, state, or local taxes, or royalties, or royalties and states price adjustments. Actual charges may vary depending upon time, equipment, and material ultimately required to perform these services. Any discount is based on 30 days net payment terms or cash. **DISCLAIMER NOTICE:** Technical data is presented in good faith, but no warranty is stated or implied. HSI assumes no liability for copies or recommendations made concerning the results from the use of any product or service. The information presented is a best estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of future production performance. Customer represents and warrants that well and all associated equipment in acceptable condition to receive services by HSI. Likewise, the customer guarantees proper operational care of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions stated above, and Hurricane has been provided accurate well information in determining taxable services.

X _____ **CUSTOMER AUTHORIZATION SIGNATURE**



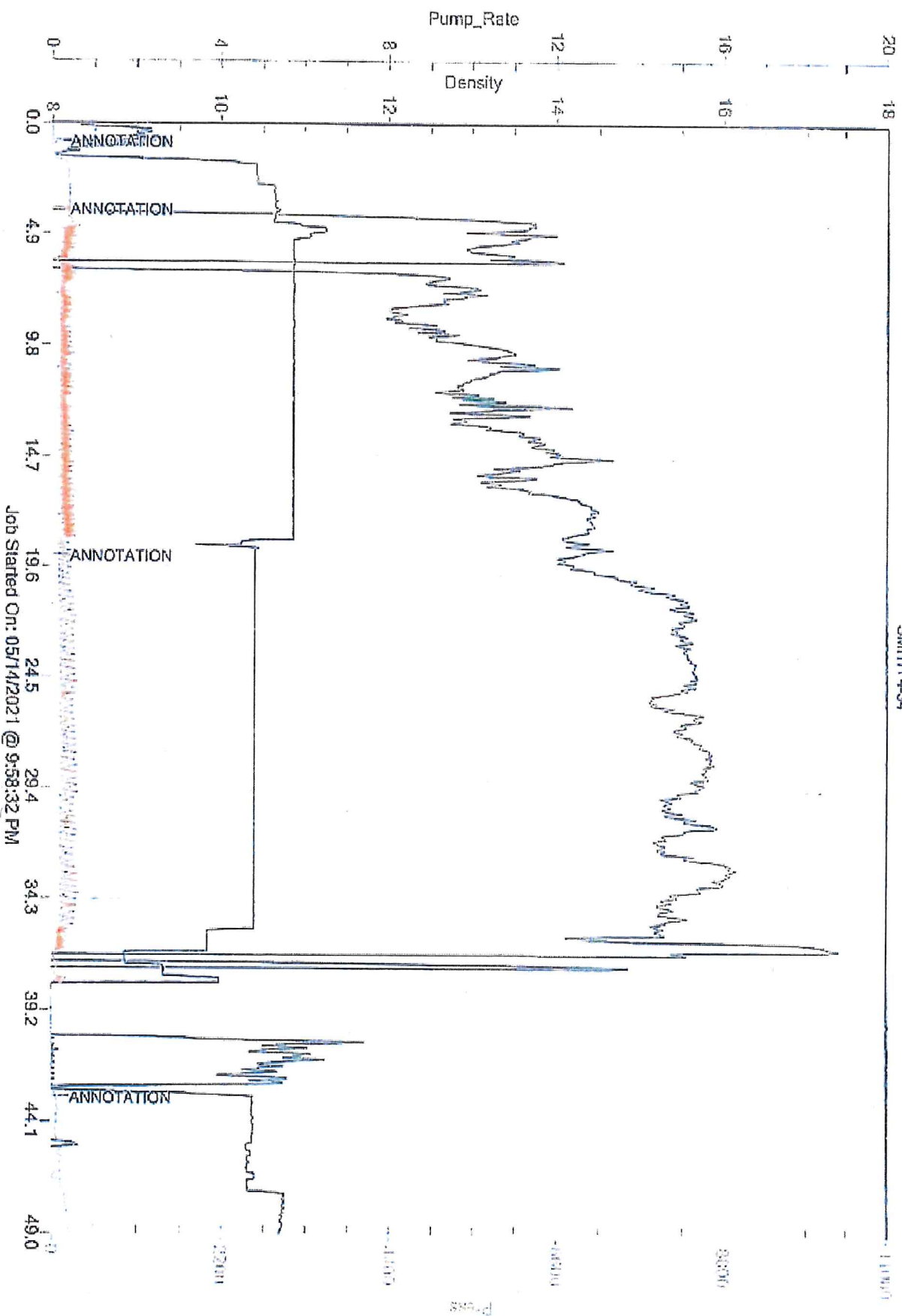
CEMENT TREATMENT REPORT			
Customer:	BEREXCO	Well:	SMITH - 4-34
City, State:		County:	KIOWA, KS
Field Rep:		S-T-R:	34-30S- 10W
		Ticket:	WP 1391
		Date:	5/13/2021
		Service:	B 5/8" SURFACE

Downhole Information		Calculated Slurry - Load		Calculated Slurry - Toll	
Hole Size:	12 1/4 in	Blends:	H LITE	Blends:	CLASS A CEMENT
Hole Depth:	390 ft	Weight:	12.5	Weight:	15.0 ppg
240 11 5/8 in 230		Water / Sk:	10.8 gal / sk	Water / Sk:	5.2 gal / sk
Casing Depth:	954.07 ft	Yield:	1.98 m ³ / sk	Yield:	1.20 m ³ / sk
Tubing / Liner:	in	Annular Bbls / Ft:	bbls / ft.	Annular Bbls / Ft:	bbls / ft.
Plug Depth:	912.07 ft	Depth:	ft	Depth:	ft
Tool / Packoff:		Annular Volume:	0.0 bbls	Annular Volume:	0 bbls
Tool Depth:	ft	Excess:		Excess:	
Displacement:	87.5 bbls	Total Slurry:	53.0 15%	Total Slurry:	53.4 bbls
		Total Sacks:	150 15%	Total Sacks:	250 sk

TIME	RATE	PSI	STAGE BBLs	TOTAL BBLs	
8:00PM			-	-	102.0
8:45PM			-	-	RUN 22 JTS 0 5/8" X 230
			-	-	CENTRALIZERS-2, 14, 20
			-	-	BASKETS-15, 19
10:30PM			-	-	CASING ON BOTTOM
10:45PM			-	-	HOOK UP TO CASING - BREAK CIRCULATION WITH RIG PUMP AND MUD
11:00PM	5.0	400.0	10.0	10.0	H2O AHEAD
11:05PM	5.0	400.0	53.0	63.0	MIX 150 SKS H LITE CEMENT @ 12.5 PPG
11:15PM	5.0	200.0	53.4	116.4	MIX 250 SKS CLASS A CEMENT @ 15.0 PPG
11:43PM				116.4	SHUT DOWN- DROP TOP RUBBER PLUG
11:47PM	5.0	200.0	-	116.4	START DISPLACEMENT
11:57AM	4.0	300.0	50.0		SLOW RATE
12:00AM	3.0	400.0	50.3		PLUG LANDED @ DESIRED DEPTH
					CIRCULATION THRU JOB
					CIRCULATED 15 BBL TO FIT
					WASH LP PUMP TRUCK
					THANKS- KEVEN AND CREW

CREW		UNIT	SUMMARY		
Comeritor:	LESLEY	75	Average Rate	Average Pressure	Total Fluid
Pump Operator:	McLANORE	170-521	4.5 bpm	271 psi	225 bbls
Bulk #1:	(RH) TRAVINO	101-332			
Bulk #2:					

BEREXCO
SMITH-4-34



Job Started On: 05/14/2021 @ 9:58:32 PM



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery & pressures

DATE
 May
19
 2021

DST #1 **Formation: Altamont** **Test Interval: 4815 - 4860'** **Total Depth: 4860'**
 Time On: 15:24 05/19 Time Off: 21:23 05/19
 Time On Bottom: 17:43 05/19 Time Off Bottom: 19:13 05/19

Electronic Volume Estimate:
 0'

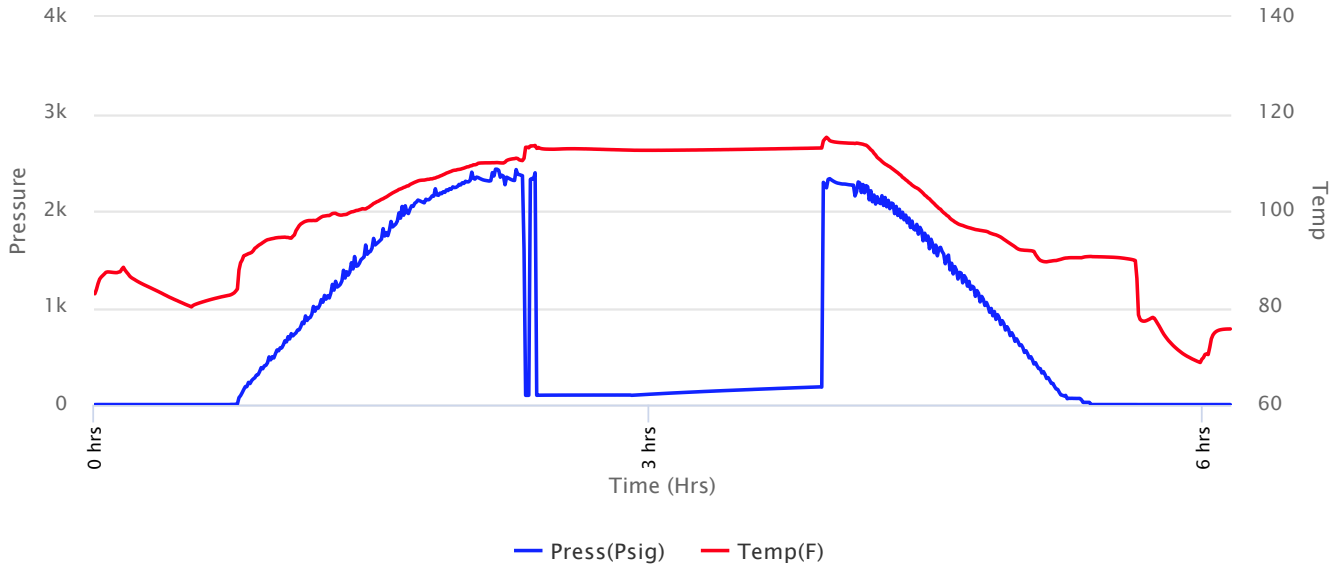
1st Open
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

1st Close
 Minutes: 60
 Current Reading: 0" at 60 min
 Max Reading: 0"

2nd Open
 N/A

2nd Close
 N/A

Inside Recorder





Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery & pressures

DATE
 May
19
 2021

DST #1 **Formation: Altamont** **Test Interval: 4815 - 4860'** **Total Depth: 4860'**
 Time On: 15:24 05/19 Time Off: 21:23 05/19
 Time On Bottom: 17:43 05/19 Time Off Bottom: 19:13 05/19

Recovered

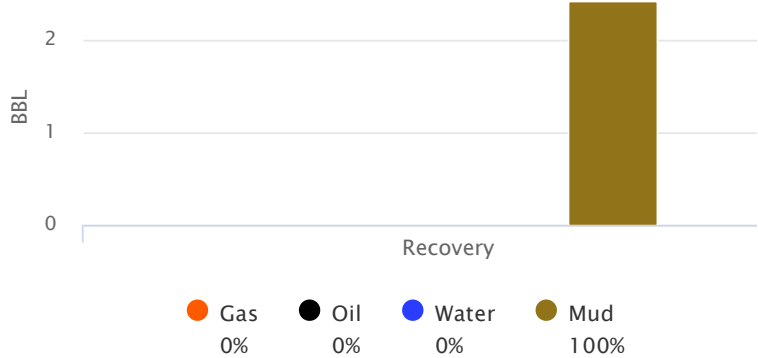
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
170	2.4191	M	0	0	0	100

Total Recovered: 170 ft
 Total Barrels Recovered: 2.4191

Reversed Out
NO

Initial Hydrostatic Pressure	2312	PSI
Initial Flow	97 to 100	PSI
Initial Closed in Pressure	182	PSI
Final Flow Pressure	0 to 0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	2309	PSI
Temperature	113	°F
Pressure Change Initial Close / Final Close	100.0	%

Recovery at a glance



GIP cubic foot volume: 0



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21854

Operation:
Uploading recovery &
pressures

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DST #1 Formation: Altamont Test Interval: 4815 - Total Depth: 4860'
4860'
Time On: 15:24 05/19 Time Off: 21:23 05/19
Time On Bottom: 17:43 05/19 Time Off Bottom: 19:13 05/19

BUCKET MEASUREMENT:

1st Open: Surface blow throughout period
1st Close: No BB
2nd Open: N/A
2nd Close: N/A

REMARKS:

We got so much fluid because I had bottom figured at 6 feet and we hit between 2 and 3 feet. While we were picking up the other joint, my tool didn't close completely.

Tool Sample: 0% Gas .2% Oil 0% Water 99.8% Mud



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
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DST #1 **Formation: Altamont** **Test Interval: 4815 - 4860'** **Total Depth: 4860'**
 Time On: 15:24 05/19 Time Off: 21:23 05/19
 Time On Bottom: 17:43 05/19 Time Off Bottom: 19:13 05/19

Down Hole Makeup

Heads Up: 6.13 FT	Packer 1: 4810.13 FT
Drill Pipe: 4788.69 FT <i>ID-3 1/2</i>	Packer 2: 4815.13 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 4799.55 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 4853 FT
Test Tool: 33.57 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 44.87	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 3 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 30.87 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 8 FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21854

Operation:
Uploading recovery &
pressures

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DST #1 Formation: Altamont Test Interval: 4815 - Total Depth: 4860'
4860'
Time On: 15:24 05/19 Time Off: 21:23 05/19
Time On Bottom: 17:43 05/19 Time Off Bottom: 19:13 05/19

Mud Properties

Mud Type: Chemical **Weight:** 9.5+ **Viscosity:** 52 **Filtrate:** 10.8 **Chlorides:** 8,000 ppm



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery &
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DST #1 Formation: Altamont Test Interval: 4815 - Total Depth: 4860'
4860'
 Time On: 15:24 05/19 Time Off: 21:23 05/19
 Time On Bottom: 17:43 05/19 Time Off Bottom: 19:13 05/19

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery & pressures

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DST #2 **Formation: Viola** **Test Interval: 5344 - 5389'** **Total Depth: 5389'**
 Time On: 14:04 05/21 Time Off: 20:13 05/21
 Time On Bottom: 16:10 05/21 Time Off Bottom: 18:10 05/21

Electronic Volume Estimate:
 0'

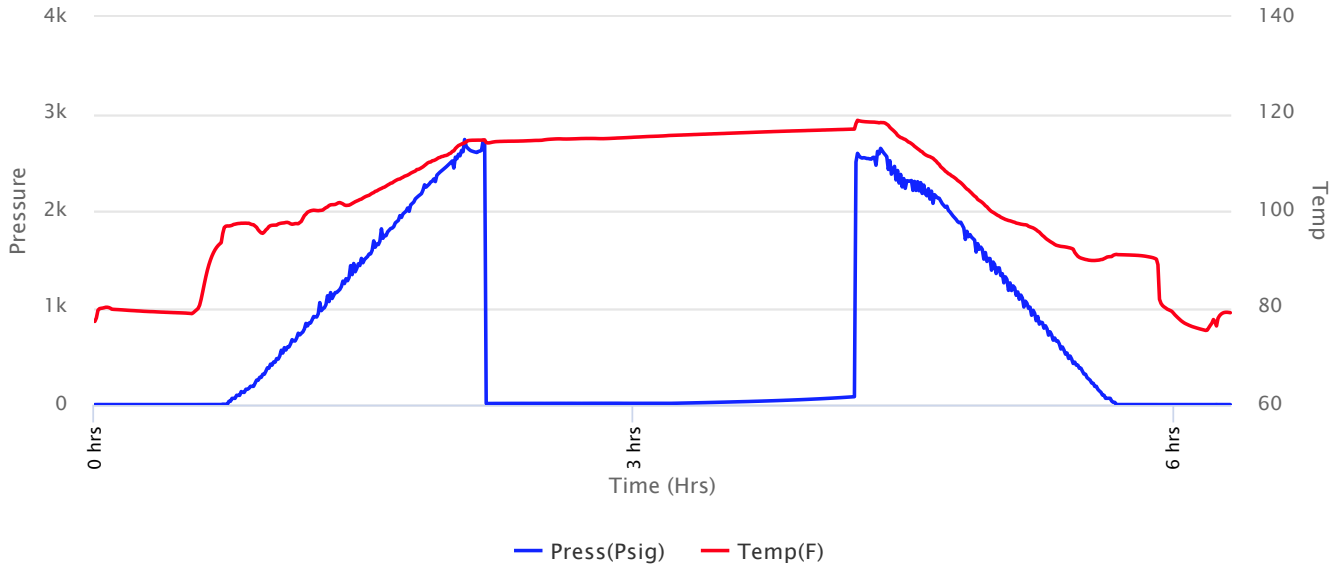
1st Open
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

1st Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

2nd Open
 N/A

2nd Close
 N/A

Inside Recorder





Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
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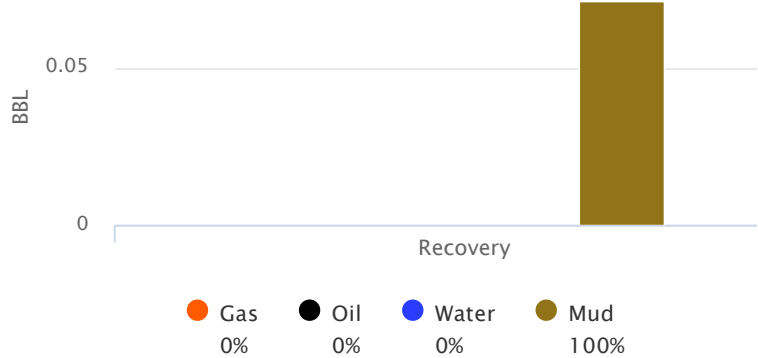
DST #2 **Formation: Viola** **Test Interval: 5344 - 5389'** **Total Depth: 5389'**
 Time On: 14:04 05/21 Time Off: 20:13 05/21
 Time On Bottom: 16:10 05/21 Time Off Bottom: 18:10 05/21

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
5	0.07115	M	0	0	0	100

Total Recovered: 5 ft
 Total Barrels Recovered: 0.07115

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2601	PSI
Initial Flow	12 to 14	PSI
Initial Closed in Pressure	83	PSI
Final Flow Pressure	0 to 0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	2592	PSI
Temperature	117	°F
Pressure Change Initial Close / Final Close	100.0	%

GIP cubic foot volume: 0



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21854

Operation:
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DST #2 **Formation: Viola** **Test Interval: 5344 - 5389'** **Total Depth: 5389'**
Time On: 14:04 05/21 Time Off: 20:13 05/21
Time On Bottom: 16:10 05/21 Time Off Bottom: 18:10 05/21

BUCKET MEASUREMENT:

1st Open: Surface e blow throughout period

1st Close: No BB

REMARKS:

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery &
 pressures

DATE
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DST #2 **Formation: Viola** **Test Interval: 5344 - 5389'** **Total Depth: 5389'**
 Time On: 14:04 05/21 Time Off: 20:13 05/21
 Time On Bottom: 16:10 05/21 Time Off Bottom: 18:10 05/21

Down Hole Makeup

Heads Up: 31.3 FT	Packer 1: 5339.29 FT
Drill Pipe: 5350.43 FT <i>ID-3 1/2</i>	Packer 2: 5344.29 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Packer 3: 5389 FT
Collars: 0 FT <i>ID-2 1/4</i>	Top Recorder: 5331.29 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Bottom Recorder: 5382 FT
Total Anchor: 44.71	Below Straddle Recorder: 5390 FT
<u>Anchor Makeup</u>	Well Bore Size: 7 7/8
Packer Sub: 1 FT	Surface Choke: 1"
Perforations: (top): 3 FT <i>4 1/2-FH</i>	Bottom Choke: 5/8"
Change Over: 1 FT	
Drill Pipe: (in anchor): 30.71 FT <i>ID-3 1/2</i>	
Change Over: 1 FT	
Perforations: (below): 8 FT <i>4 1/2-FH</i>	
<u>STRADDLE</u>	
Straddle Packer(s): FT	
Change Over: FT	
Drill Pipe: FT <i>ID-3 1/2"</i>	
Change Over: FT	
Perforations (in tail pipe): FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21854

Operation:
Uploading recovery &
pressures

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DST #2 **Formation: Viola** **Test Interval: 5344 - 5389'** **Total Depth: 5389'**
Time On: 14:04 05/21 Time Off: 20:13 05/21
Time On Bottom: 16:10 05/21 Time Off Bottom: 18:10 05/21

Mud Properties

Mud Type: Chemical **Weight:** 9.5 **Viscosity:** 52 **Filtrate:** 9.6 **Chlorides:** 6,500 ppm



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
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DST #2 **Formation: Viola** **Test Interval: 5344 - 5389'** **Total Depth: 5389'**
 Time On: 14:04 05/21 Time Off: 20:13 05/21
 Time On Bottom: 16:10 05/21 Time Off Bottom: 18:10 05/21

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery & pressures

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DST #3 **Formation: Viola** **Test Interval: 5390 - 5400'** **Total Depth: 5400'**
 Time On: 05:17 05/22 Time Off: 11:15 05/22
 Time On Bottom: 07:38 05/22 Time Off Bottom: 09:08 05/22

Electronic Volume Estimate:
 0'

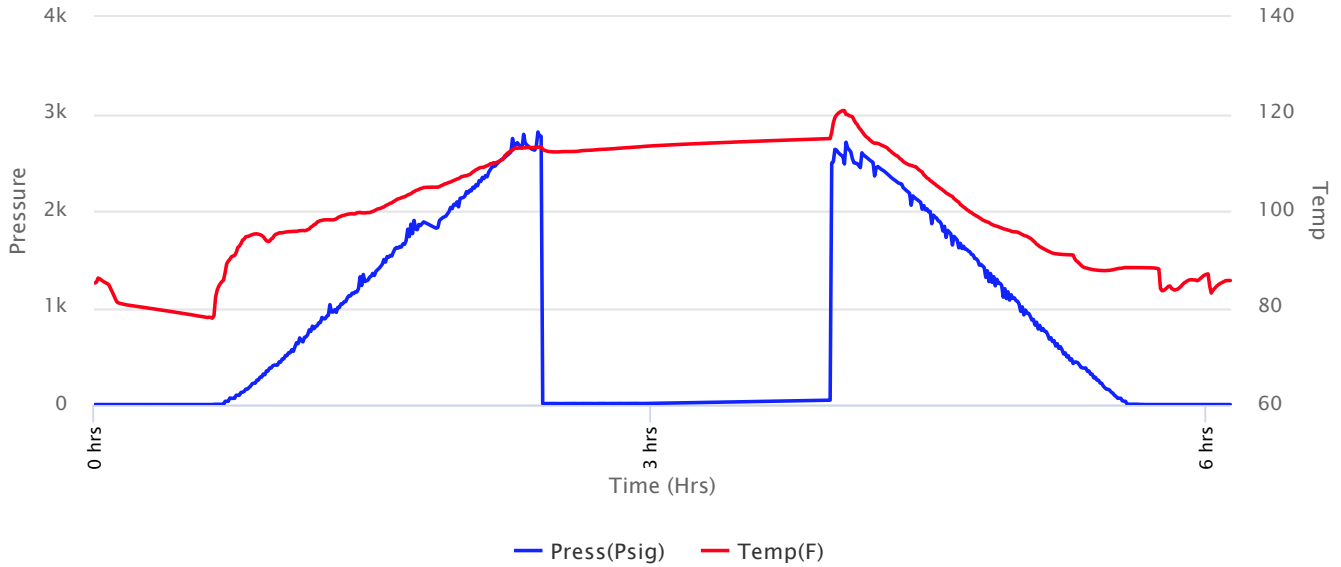
1st Open
 Minutes: 30
 Current Reading: 0" at 30 min
 Max Reading: 0"

1st Close
 Minutes: 60
 Current Reading: 0" at 60 min
 Max Reading: 0"

2nd Open
 N/A

2nd Close
 N/A

Inside Recorder





Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
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 pressures

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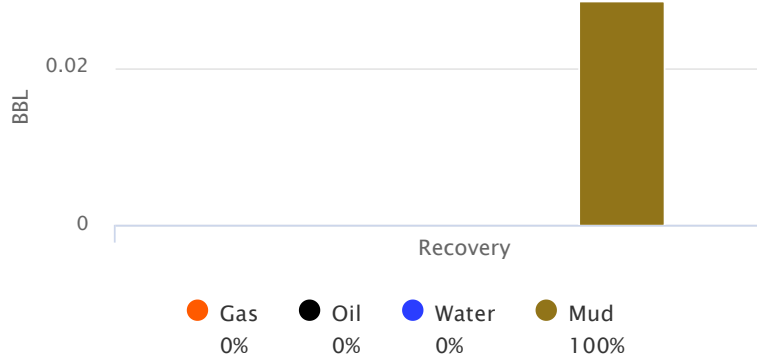
DST #3 **Formation: Viola** **Test Interval: 5390 - 5400'** **Total Depth: 5400'**
 Time On: 05:17 05/22 Time Off: 11:15 05/22
 Time On Bottom: 07:38 05/22 Time Off Bottom: 09:08 05/22

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
2	0.02846	M	0	0	0	100

Total Recovered: 2 ft
 Total Barrels Recovered: 0.02846

Reversed Out
NO

Recovery at a glance



Initial Hydrostatic Pressure	2625	PSI
Initial Flow	10 to 14	PSI
Initial Closed in Pressure	47	PSI
Final Flow Pressure	0 to 0	PSI
Final Closed in Pressure	0	PSI
Final Hydrostatic Pressure	2603	PSI
Temperature	115	°F
Pressure Change Initial Close / Final Close	100.0	%

GIP cubic foot volume: 0



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21854

Operation:
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pressures

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DST #3 **Formation: Viola** **Test Interval: 5390 - 5400'** **Total Depth: 5400'**
Time On: 05:17 05/22 Time Off: 11:15 05/22
Time On Bottom: 07:38 05/22 Time Off Bottom: 09:08 05/22

BUCKET MEASUREMENT:

1st Open: Surface blow throughout period

1st Close: No BB

REMARKS:

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery &
 pressures

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DST #3 **Formation: Viola** **Test Interval: 5390 - 5400'** **Total Depth: 5400'**
 Time On: 05:17 05/22 Time Off: 11:15 05/22
 Time On Bottom: 07:38 05/22 Time Off Bottom: 09:08 05/22

Down Hole Makeup

Heads Up: 16.3 FT	Packer 1: 5385 FT
Drill Pipe: 5381.14 FT <i>ID-3 1/2</i>	Packer 2: 5390 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 5377 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 5392 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 10	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 9 FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21854

Operation:
Uploading recovery &
pressures

DATE
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DST #3 **Formation: Viola** **Test Interval: 5390 - 5400'** **Total Depth: 5400'**
Time On: 05:17 05/22 Time Off: 11:15 05/22
Time On Bottom: 07:38 05/22 Time Off Bottom: 09:08 05/22

Mud Properties

Mud Type: Chemical **Weight:** 9.5 **Viscosity:** 52 **Filtrate:** 9.6 **Chlorides:** 6,500 ppm



Company: Berexco, LLC
Lease: Smith #3-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21854

Operation:
 Uploading recovery &
 pressures

DATE
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22
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DST #3 **Formation: Viola** **Test Interval: 5390 - 5400'** **Total Depth: 5400'**
 Time On: 05:17 05/22 Time Off: 11:15 05/22
 Time On Bottom: 07:38 05/22 Time Off Bottom: 09:08 05/22

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21855

Operation:
 Uploading recovery &
 pressures

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DST #4 **Formation: Viola** **Test Interval: 5400 - 5406'** **Total Depth: 5406'**
 Time On: 19:38 05/22 Time Off: 05:54 05/23
 Time On Bottom: 22:13 05/22 Time Off Bottom: 03:13 05/23

Electronic Volume
 Estimate:
 319'

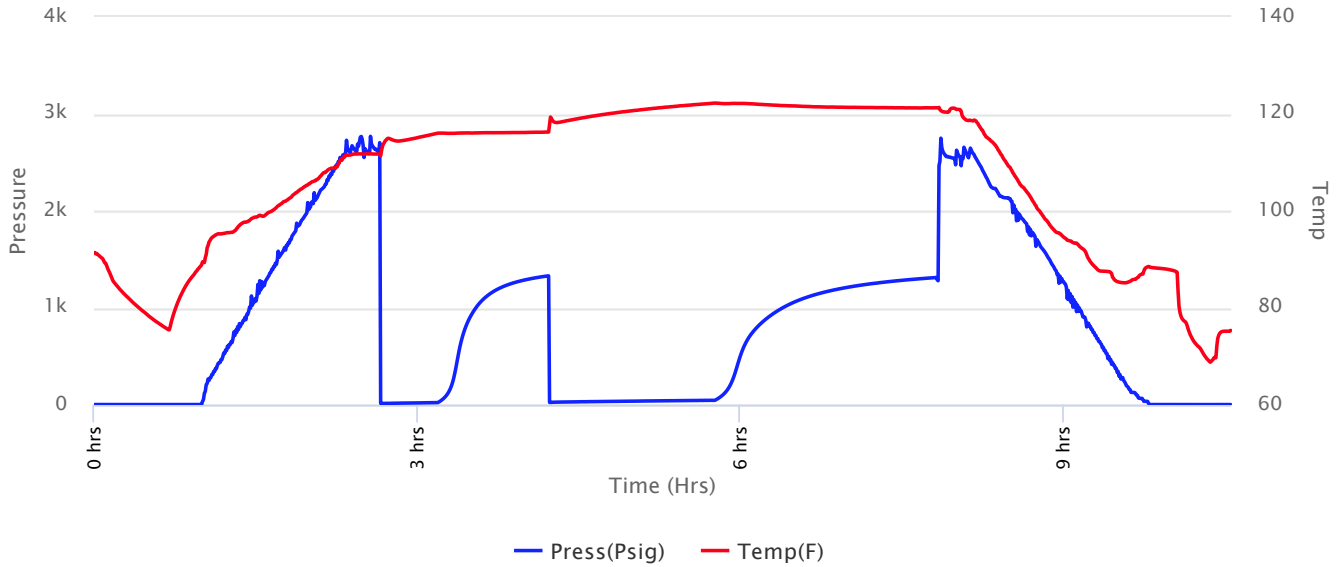
1st Open
 Minutes: 30
 Current Reading:
 9.5" at 30 min
 Max Reading: 9.5"

1st Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

2nd Open
 Minutes: 90
 Current Reading:
 13.1" at 90 min
 Max Reading: 13.1"

2nd Close
 Minutes: 120
 Current Reading:
 0" at 120 min
 Max Reading: 0"

Inside Recorder





Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21855

Operation:
 Uploading recovery &
 pressures

DATE
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DST #4 **Formation: Viola** **Test Interval: 5400 - 5406'** **Total Depth: 5406'**
 Time On: 19:38 05/22 Time Off: 05:54 05/23
 Time On Bottom: 22:13 05/22 Time Off Bottom: 03:13 05/23

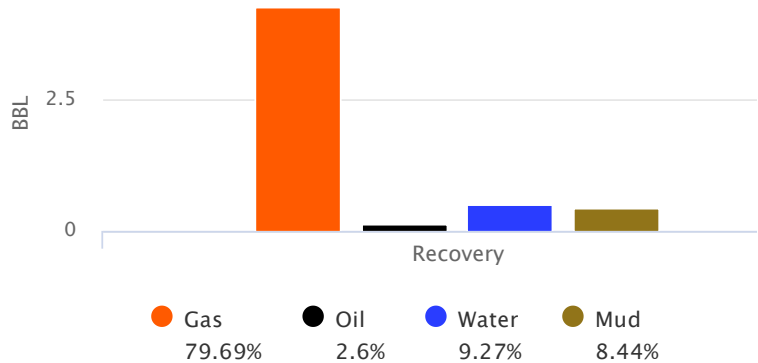
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
300	4.269	G	100	0	0	0
2	0.02846	O	0	100	0	0
15	0.21345	SLGCSLMCOCW	3	28	53	16
60	0.8538	SLOCHWCM	0	6	45	49

Total Recovered: 377 ft
 Total Barrels Recovered: 5.36471

Reversed Out
NO

Initial Hydrostatic Pressure	2610	PSI
Initial Flow	14 to 22	PSI
Initial Closed in Pressure	1328	PSI
Final Flow Pressure	24 to 45	PSI
Final Closed in Pressure	1312	PSI
Final Hydrostatic Pressure	2597	PSI
Temperature	123	°F
Pressure Change Initial Close / Final Close	1.3	%

Recovery at a glance



GIP cubic foot volume: 24.00425



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21855

Operation:
Uploading recovery &
pressures

DATE
May
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2021

DST #4 **Formation: Viola** **Test Interval: 5400 - 5406'** **Total Depth: 5406'**
Time On: 19:38 05/22 Time Off: 05:54 05/23
Time On Bottom: 22:13 05/22 Time Off Bottom: 03:13 05/23

BUCKET MEASUREMENT:

1st Open: Surface blow building to 9 1/4"
1st Close: No BB
2nd Open: Surface blow building to BOB 74 min.
2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas 0% Oil 98% Water 2% Mud
Ph: 6.5
Measured RW: .15 @ 72 degrees °F
RW at Formation Temp: 0.091 @ 123 °F
Chlorides: 55,000 ppm



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21855

Operation:
 Uploading recovery &
 pressures

DATE
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DST #4 **Formation: Viola** **Test Interval: 5400 - 5406'** **Total Depth: 5406'**
 Time On: 19:38 05/22 Time Off: 05:54 05/23
 Time On Bottom: 22:13 05/22 Time Off Bottom: 03:13 05/23

Down Hole Makeup

Heads Up: 6.29999999999998 FT	Packer 1: 5395 FT
Drill Pipe: 5381.14 FT <i>ID-3 1/2</i>	Packer 2: 5400 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 5387 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 5402 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 6	Surface Choke: 1"
Anchor Makeup	
Packer Sub: 1 FT	Bottom Choke: 5/8"
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 5 FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
County: KIOWA
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21855

Operation:
Uploading recovery &
pressures

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DST #4 **Formation: Viola** **Test Interval: 5400 - 5406'** **Total Depth: 5406'**
Time On: 19:38 05/22 Time Off: 05:54 05/23
Time On Bottom: 22:13 05/22 Time Off Bottom: 03:13 05/23

Mud Properties

Mud Type: Chemical **Weight:** 9.5 **Viscosity:** 52 **Filtrate:** 11.2 **Chlorides:** 7,500 ppm



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21855

Operation:
 Uploading recovery &
 pressures

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DST #4 **Formation: Viola** **Test Interval: 5400 - 5406'** **Total Depth: 5406'**
 Time On: 19:38 05/22 Time Off: 05:54 05/23
 Time On Bottom: 22:13 05/22 Time Off Bottom: 03:13 05/23

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
 API #: 15-097-21855

Operation:
 Uploading recovery &
 pressures

DATE
 May
23
 2021

DST #5 **Formation: Viola** **Test Interval: 5405 - 5410'** **Total Depth: 5410'**
 Time On: 13:04 05/23 Time Off: 21:50 05/23
 Time On Bottom: 15:26 05/23 Time Off Bottom: 19:26 05/23

Electronic Volume
 Estimate:
 124'

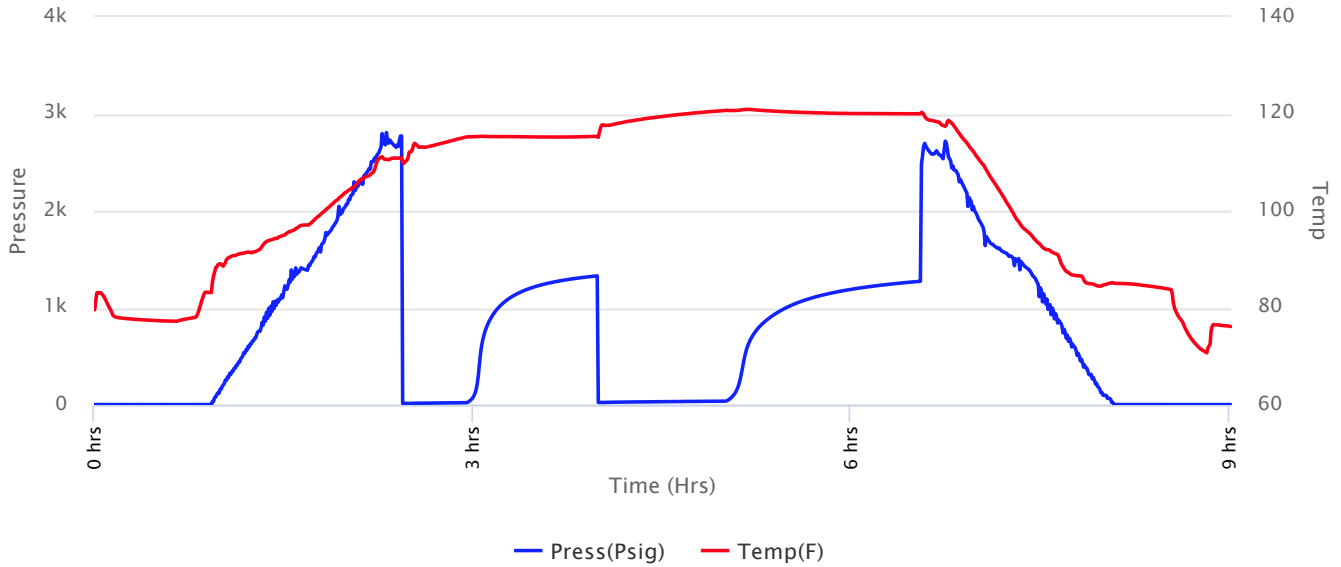
1st Open
 Minutes: 30
 Current Reading:
 3.1" at 30 min
 Max Reading: 3.1"

1st Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 0"

2nd Open
 Minutes: 60
 Current Reading:
 5.6" at 60 min
 Max Reading: 5.6"

2nd Close
 Minutes: 90
 Current Reading:
 0" at 90 min
 Max Reading: 0"

Inside Recorder





Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
 County: KIOWA
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 7
 Elevation: 2135 GL
 Field Name: Alford
 Pool: Infield
 Job Number: 482
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Operation:
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 pressures

DATE
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 Time On Bottom: 15:26 05/23 Time Off Bottom: 19:26 05/23

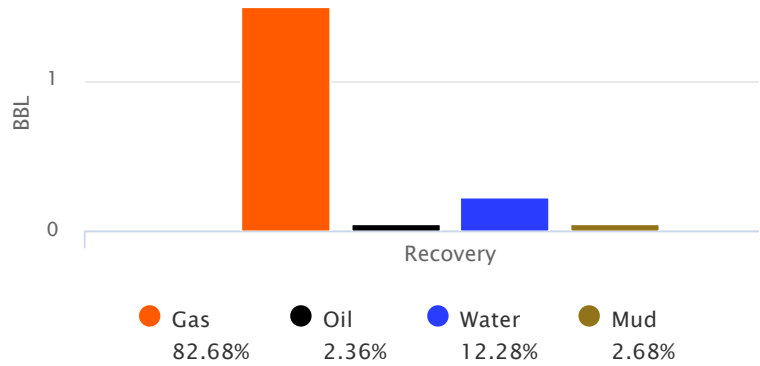
Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
105	1.49415	G	100	0	0	0
2	0.02846	O	0	100	0	0
20	0.2846	SLOCMLCW	0	5	78	17

Total Recovered: 127 ft
 Total Barrels Recovered: 1.80721

Reversed Out
 NO

Initial Hydrostatic Pressure	2655	PSI
Initial Flow	13 to 21	PSI
Initial Closed in Pressure	1329	PSI
Final Flow Pressure	23 to 36	PSI
Final Closed in Pressure	2667	PSI
Final Hydrostatic Pressure	2647	PSI
Temperature	121	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 8.38891



Company: Berexco, LLC
Lease: Smith #4-34

SEC: 34 TWN: 30S RNG: 18W
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State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 7
Elevation: 2135 GL
Field Name: Alford
Pool: Infield
Job Number: 482
API #: 15-097-21855

Operation:
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pressures

DATE
May
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DST #5 **Formation: Viola** **Test Interval: 5405 - 5410'** **Total Depth: 5410'**
Time On: 13:04 05/23 Time Off: 21:50 05/23
Time On Bottom: 15:26 05/23 Time Off Bottom: 19:26 05/23

BUCKET MEASUREMENT:

1st Open: Surface blow building g to 2 3/4"
1st Close: No BB
2nd Open: Surface blow building to 5 1/2"
2nd Close: No BB

REMARKS:

Tool Sample: 0% Gas 0% Oil 100% Water 0% Mud
Ph: 7.0
Measured RW: .14 @ 73 degrees °F
RW at Formation Temp: 0.087 @ 121 °F
Chlorides: 55,000 ppm



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 Time On: 13:04 05/23 Time Off: 21:50 05/23
 Time On Bottom: 15:26 05/23 Time Off Bottom: 19:26 05/23

Down Hole Makeup

Heads Up: 32.41 FT	Packer 1: 5400 FT
Drill Pipe: 5412.25 FT <i>ID-3 1/2</i>	Packer 2: 5405 FT
Weight Pipe: 0 FT <i>ID-2 7/8</i>	Top Recorder: 5392 FT
Collars: 0 FT <i>ID-2 1/4</i>	Bottom Recorder: 5407 FT
Test Tool: 26.16 FT <i>ID-3 1/2-FH</i>	Well Bore Size: 7 7/8
Total Anchor: 5	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 0 FT <i>4 1/2-FH</i>	
Change Over: 0 FT	
Drill Pipe: (in anchor): 0 FT <i>ID-3 1/2</i>	
Change Over: 0 FT	
Perforations: (below): 4 FT <i>4 1/2-FH</i>	



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Time On: 13:04 05/23 Time Off: 21:50 05/23
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Mud Properties

Mud Type: Chemical **Weight:** 9.3 **Viscosity:** 67 **Filtrate:** 10.8 **Chlorides:** 7,000 ppm



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 Time On: 13:04 05/23 Time Off: 21:50 05/23
 Time On Bottom: 15:26 05/23 Time Off Bottom: 19:26 05/23

Gas Volume Report

1st Open			
Time	Orifice	PSI	MCF/D

2nd Open			
Time	Orifice	PSI	MCF/D

LITHOLOGY STRIP LOG

WellSight Systems

Scale 1:240 (5"=100') Imperial

Measured Depth Log

Well Name: SMITH #4-34

Well Id:

Location: W/2SWSW SECTION 34 30S-18W

License Number: 15-097-21854

Spud Date: 5-12-2021

Surface Coordinates: 710' FSL & 335' FWL

Region: MID-CONTINENT

Drilling Completed: 5-24-2021

Bottom Hole

Coordinates:

Ground Elevation (ft): 2135

K.B. Elevation (ft): 2148

Logged Interval (ft): 4000

To: 5750

Total Depth (ft): 5750

Formation: LKC ,ALTAMONT, CHEROKEE, MISSISSIPPI, KINDERHOOK AND VIOLA

Type of Drilling Fluid: WBM

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

OPERATOR

Company: BEREXCO, LLC.

Address: 2020 N. Bramblewood
Wichita, Kansas 67206

GEOLOGIST

Name: William B. Bynog

Company:

Address: P.O.Box 687
Pinecliffe, Co. 80471

Surveys

DEPTH	ANGLE	FORMATION TOPS	350'	.125
956'	.125			
1494'	.5			
1993'	.75			
2499'	1.25			
2750'	1			
3002'	1			
3502'	1.75			
3753'	1.75			
4129'	1.5			
4860'	1.5			
5389'	1.25			

DSTs

DST#1 4815-60', DST#2 5344-86', DST#3 5390-5400', DST#4 5400-5406', DST#5 5405-10'

Remarks

ROCK TYPES

	Anhy		Coal		Lmst		Shcol
	Bent		Congl		Meta		Shgy
	Brec		Dol		Mrlst		Sltst
	Cht		Gyp		Salt		Ss
	Clyst		Igne		Shale		Till

ACCESSORIES

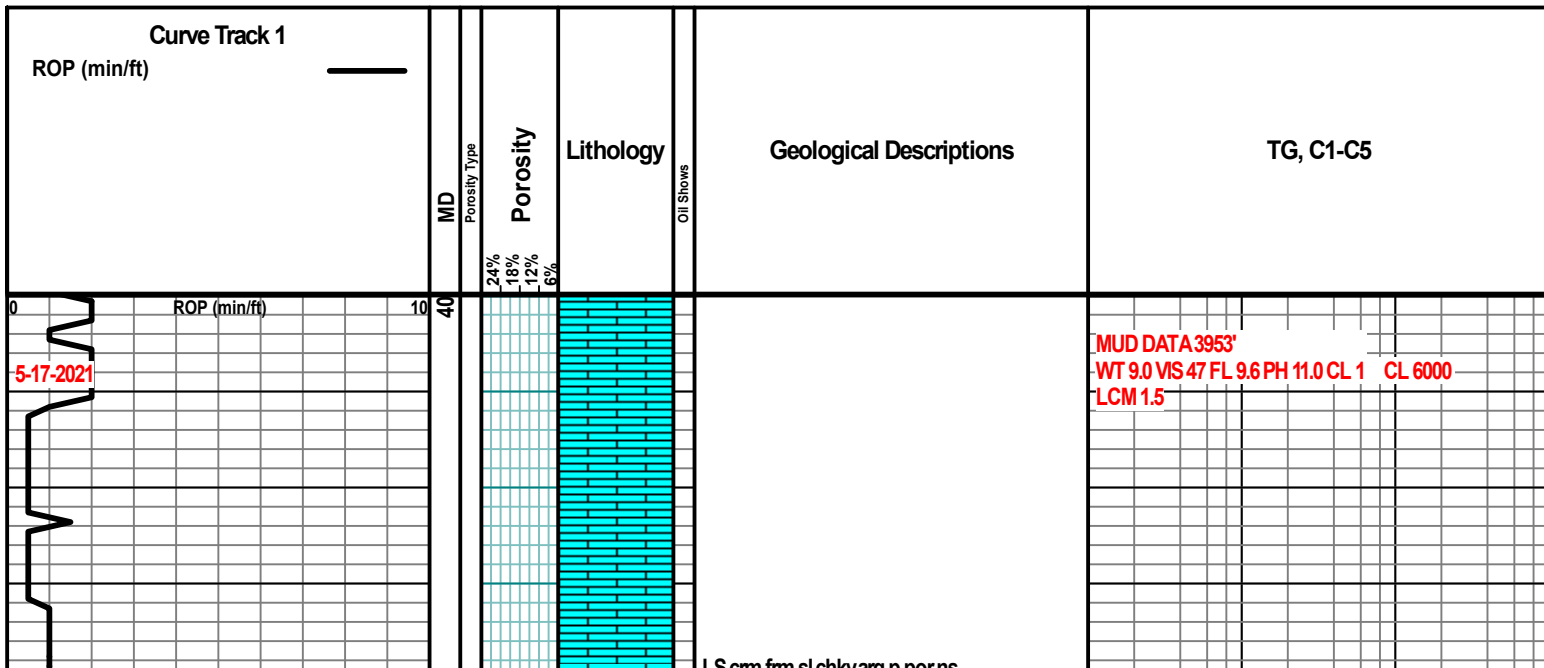
MINERAL		Minxl		Crin		Gyp
	Anhy		Nodule		Ls	Ls
	Arggrn		Phos		Mrst	Mrst
	Arg		Pyr		Sltstrg	Sltstrg
	Bent		Salt		Ssstrg	Ssstrg
	Bit		Sandy			
	Brecfrag		Silt			
	Calc		Sil			
	Carb		Sulphur			
	Chtdk	FOSIL				
	Chtlt		Algae			
	Dol		Amph			
	Feldspar		Belm			
	Ferrpel		Bioclst	STRINGER		
	Ferr		Brach		Anhy	
	Glau		Bryozoa		Arg	
	Gyp		Cephal		Bent	
	Hvymn		Coral		Coal	
	Kaol				Dol	
	Marl					

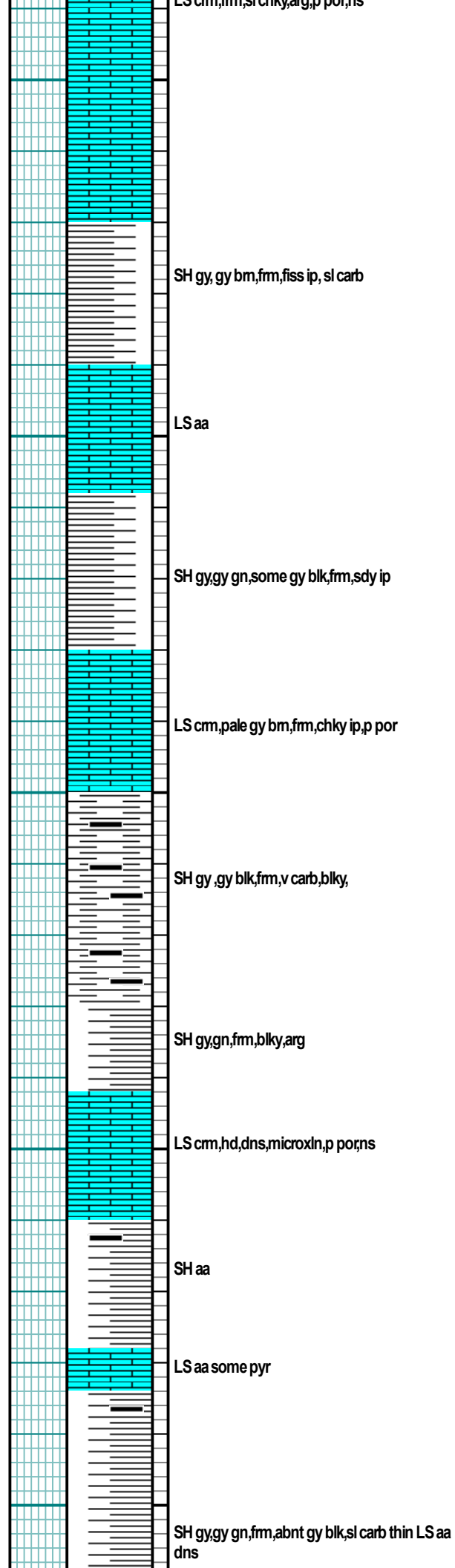
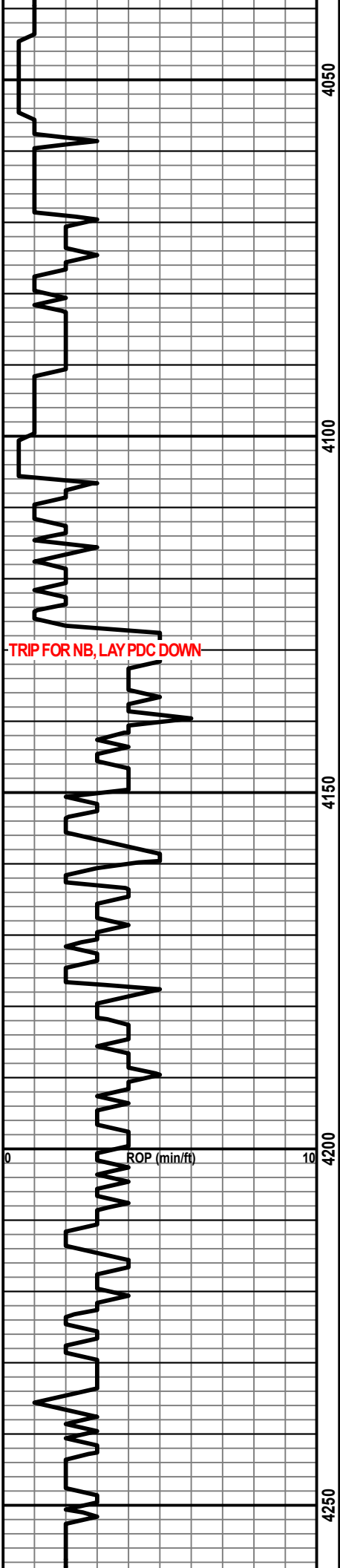
TEXTURE

	Boundst
	Chalky
	Cryxln
	Earthy
	Finexln
	Grainst
	Lithogr
	Microxln
	Mudst
	Packst
	Wackest

OTHER SYMBOLS

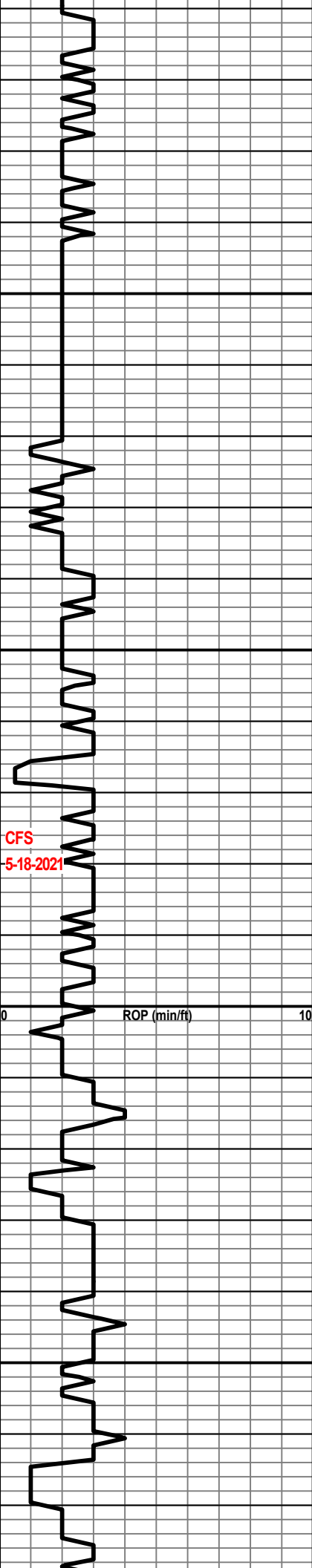
POROSITY		Earthy		Angular	INTERVAL		Dst
	Fenest		Well	OIL SHOW		Dst mis-run	
	Fracture		Moderate				
	Inter		Poor				
	Moldic	ROUNDING			EVENT		Rft
	Organic		Rounded			Sidewall	
	Pinpoint		Subrnd				
	Vuggy		Subang				





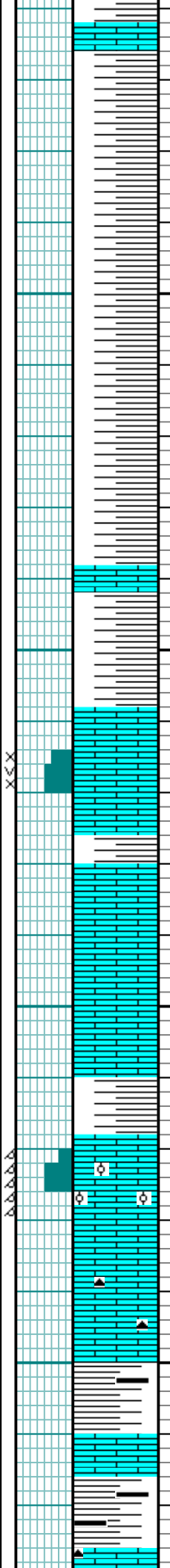
Depth (ft)	Unit	Description
4050 - 4100	LS aa	Limestone, argillaceous
4100 - 4150	SH gy, gy gn, some gy blk, fm, sdy ip	Shale, gray, gray, some gray block, fine, sandy interbedded
4150 - 4200	LS cm, pale gy bm, fm, chky ip, p por	Limestone, compact, pale gray block, fine, cherty interbedded, porous
4200 - 4250	SH aa	Shale, argillaceous
4250 - 4300	LS aa some pyr	Limestone, argillaceous, some pyritic
4300 - 4350	SH gy, gy gn, fm, abnt gy blk, sl carb thin LS aa dns	Shale, gray, gray, fine, abundant gray block, siliceous carbonaceous thin limestone, argillaceous, dense

HEEBNER
4150(-2006) S



CFS
5-18-2021

4300
4350
4400
4450



SH gy, gy gn, some red, fm, arg, with thin LS
cm, hd, blk, dns, ns

LS cm, hd, blk, dns, v fnyl xln, ns

LS cm, sft-fm, foss ip, fr intgr & pp vuggy
por, faint gas odor, no vis stn, no cut

LS cm-tan, hd, dns, blk, crpt xln, ns

SH gy, gy gn, fm, arg

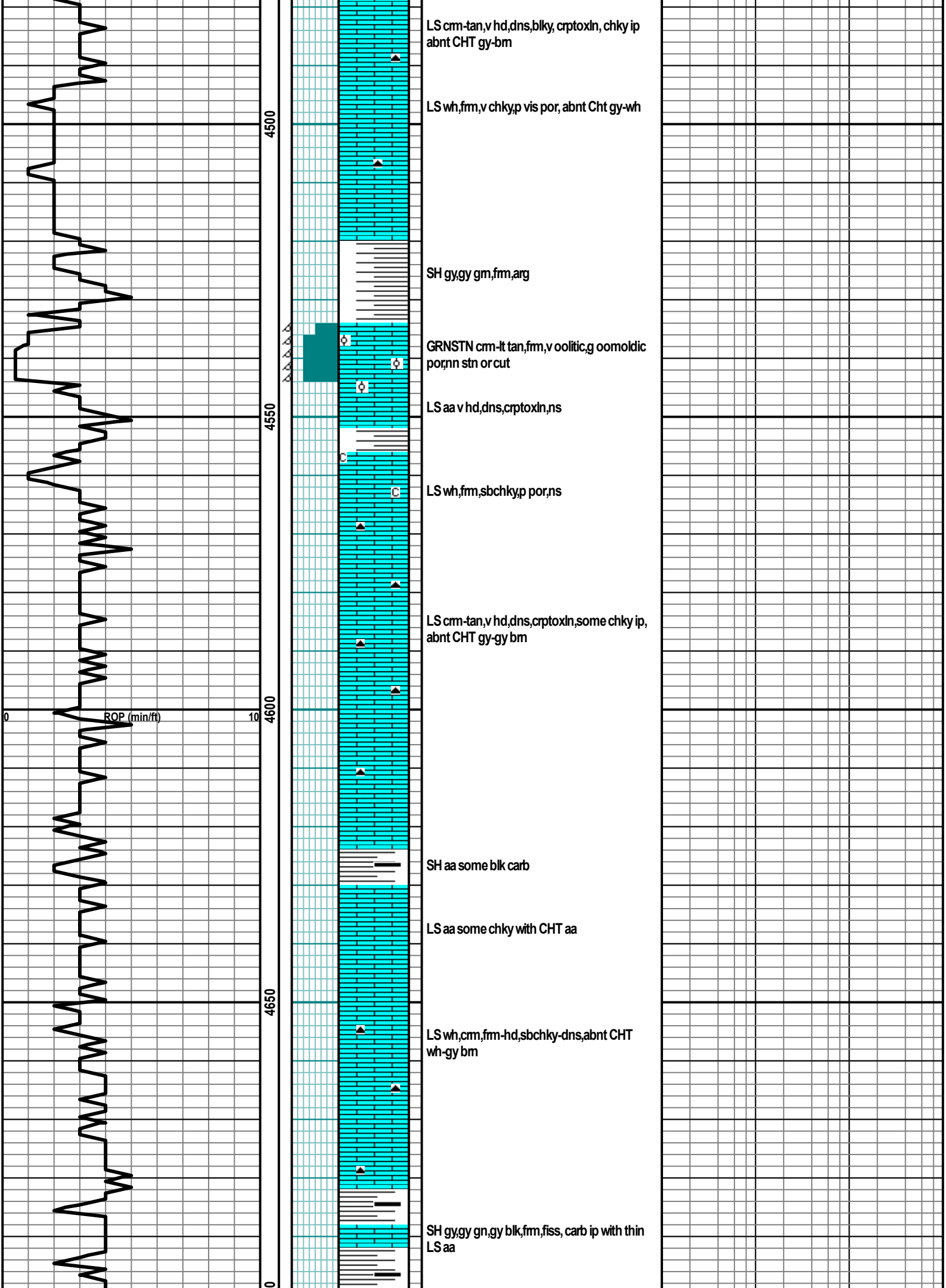
GRNSTN pale gy-gy, fm, oolitic, from oldic
por, ns

LS gy bm, v hd, dns, crpt xln, p por, abnt Cht
gy-bm

SH gy gy bm, fm, fiss ip, carb ip

LANSING A
4358(-2210) S

MUD DATA 4406'
WT 9.4 VIS 53 FL 11.2 CK 1
CL 8000 PH 10.5 LCM 4



470
4750
4800
4850
4900

ROP (min/ft)

5-19-2021

DST#1
4815-60'

CFS

LS cm-tan,v hd,dns,crtoxln,ns

SH dk gy,gy blk,some blk,carb

LS cm-pale gy bm,v hd,dns,crtoxln,p por

SH gy blk,blk,fiss,v carb

LS cm,v hd,dns,blk,p por,ns

SH gy,gy gn,frm

LS cm,sft,microsuc tex,p-fr intxn & pp vuggy por,faint resd cut,no stn or free oil

LS cm,v hd,dns,crtoxln,p por,ns

SH gy,gy blk,some blk,fiss carb

LS cm,v hd,dns,crtoxln,p por,abnt chky ip

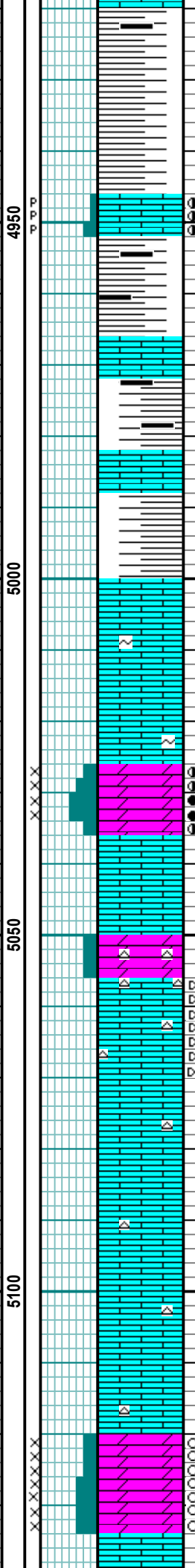
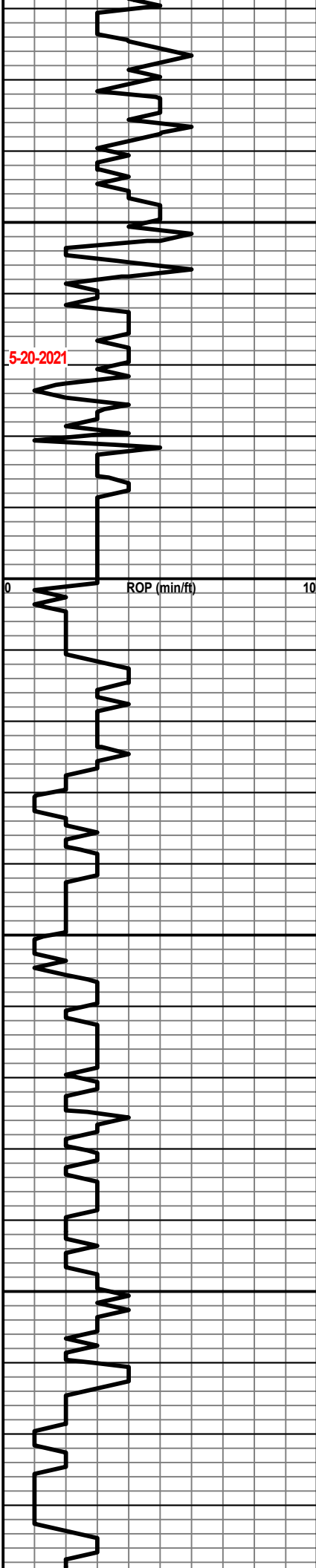
SH gy,gy blk,some blk,frm,carb with v thin LS

MUD DATA 4821'
WT 9.5 VIS 52 FL 10.8 CK 1
PH 11.0 CL 8000 LCM 2'

ALTAMONT
4828(-2180) S

DST#1 4815-60' TIMES 30-60
IF 97-100 ISI 100-182
RECOVERY: 170' MUD (2%O & 98%M)

PAWNEE
4880(-2732) S



LS cm,hd,blk,y,microxn,p pp vuggy por with spty live bm str,cut cut

LS cm,v hd,dns,crtoxln,ns

SH red,gy,gn,some blk,sl carb with thin LS aa

LS wh-cm,frm,sbchky ipp por,ns some scat glau

DOL cm,frm,microsuc tex,p-fr intxn por,spty-even live bm str,gd instat cut,no free oil

LS cm,v hd,dns,p por,ns

LS/DOL wh,frm,v chky,abnt CHTwh

LS off wh-pale gy,frm,chky,abnt CHT w spty blk dd flky str,no live oil

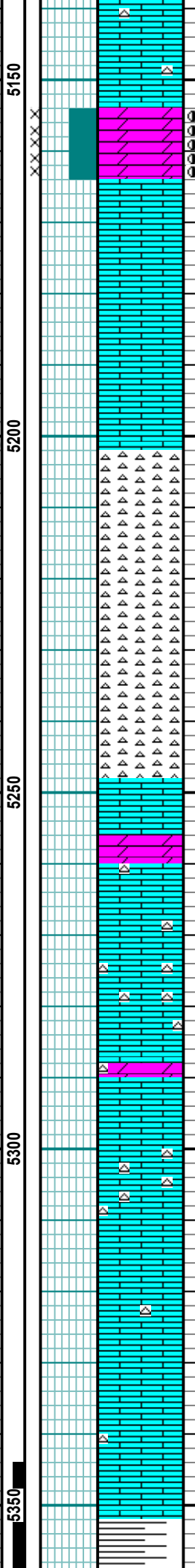
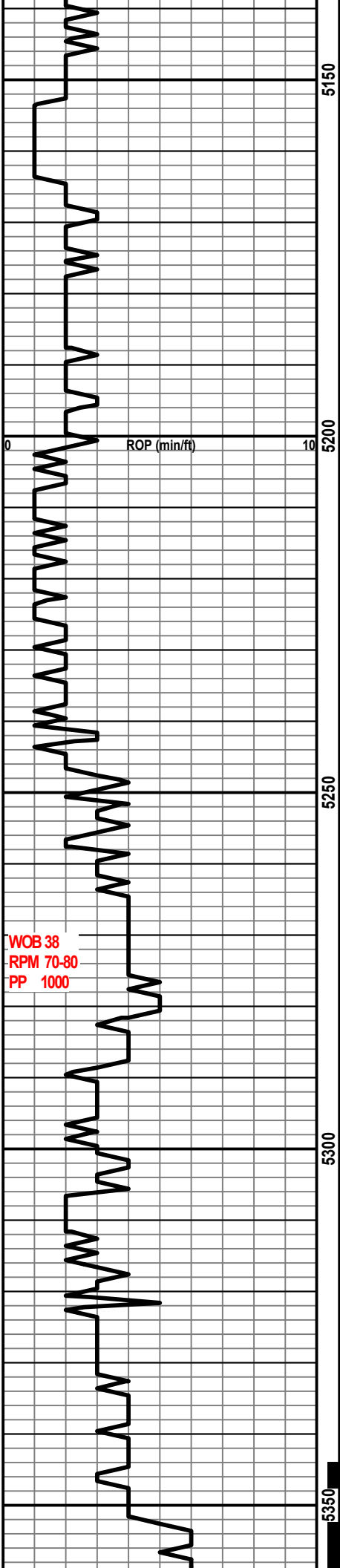
LS off wh-cm,hd,blk,y,chky ip, arg ip, p por,ns v abnt Cht tmsl-wh

DOL lt bm,frm,microsuc tex,p intxn por,spty v faint bm str,wk cut

CHEROKEE
4946(-2798) S

MUD DATA 4969'
WT 9.4 VIS 63 FL 10.4
PH 10.5 CL 9000 LCM 5

MISSISSIPPI
5001(-2853) S



LS wh, fm, chky, abnt CHT aa, p por, ns

DOL pale bn, fm, microsuc tex, fr intxn
por, scat spty-even live bm stn, g cut, no free oil

LS wh-pale gy, fm-hd, blk, chky, p por, ns

CHT tmsl, wh, bm, gy, v hd, v blk, dns, abnt chlk
wh, sft, cherty

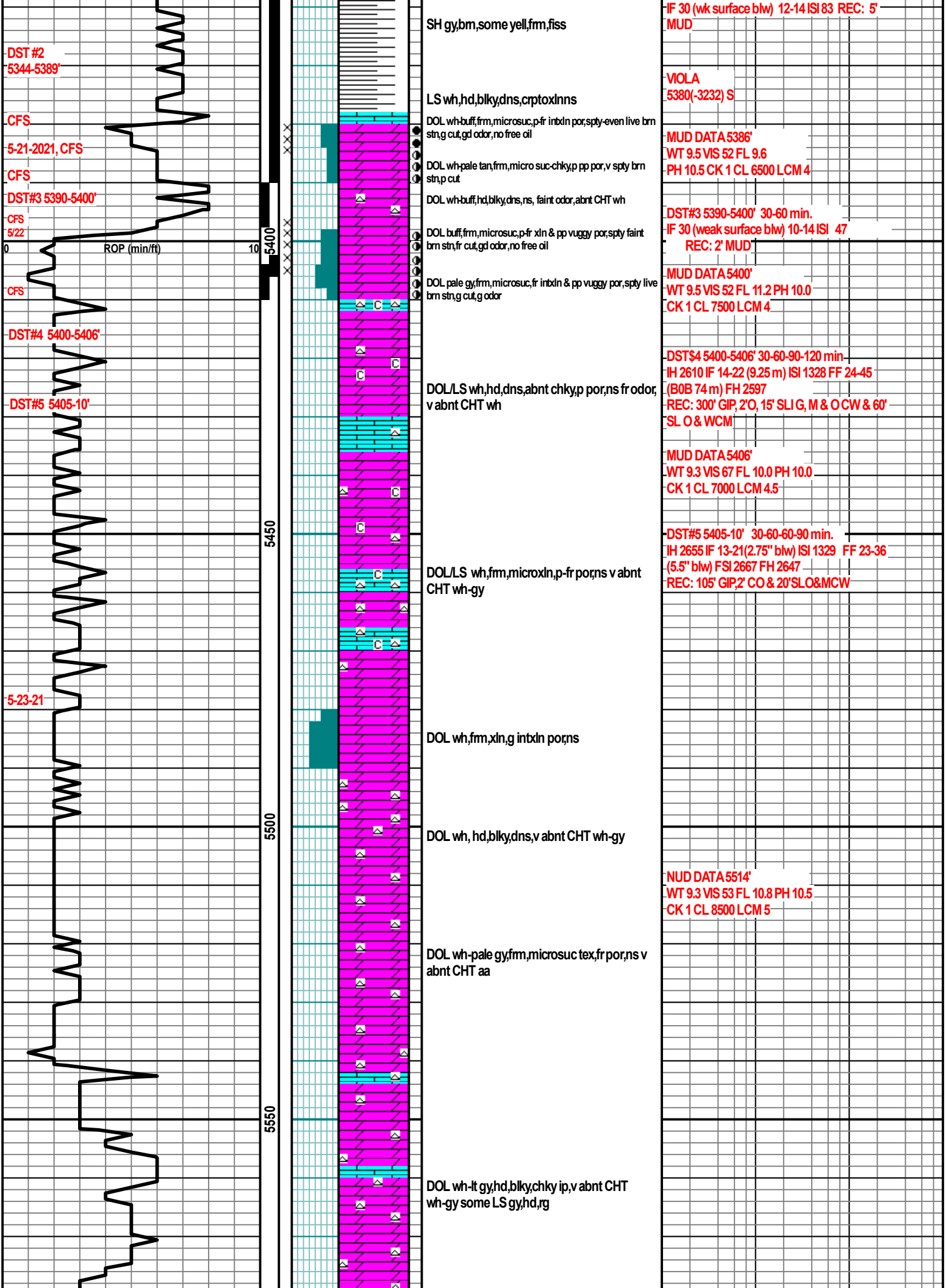
LS wh, sft, v chky, v abnt CHT wh-gy some
DOL pale bm, fm, ns

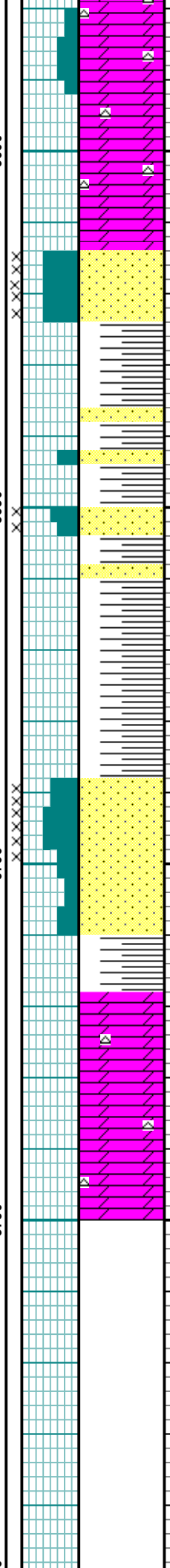
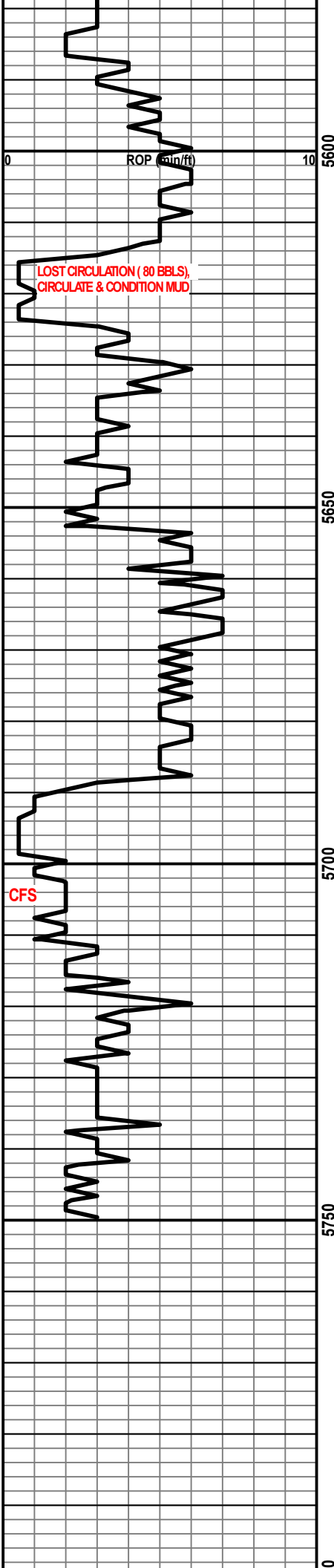
LS wh, v hd, dns, crptoxin, chky ip v abnt CHT
wh-gy

WOB 38
RPM 70-80
PP 1000

KINDERHOOK SHALE
5352(-3204) S

DST#2 5344-5389' 30-60 min.





DOL wh, fm, microsuc, fr intxn por, ns v abnt CHT wh-gy

DOL wh, hd, microxn, p por, abnt CHT aa

SS tmsl, fri, mg, srt, sb md, ch, gd intg por, ns

SH bri gn-gy, fm, wxy ip with thin bedded SS pale gn, fm-hd, f-mg, p-some fr por, ns

SH bri gn-gy, fm, wxy tex

SS tmsl, fm, m-cg, sb md, ch, gd intg por,

SS pale gy, m-cg, sb md, p srt, p-fr por, ns

SH gn-gy, fm, wxy

DOL wh-buff, hd, microsuc, fr intxn por, ns abnt CHT wh

RTD 5750'

MUD DATA 5635'
 WT 9.3 VIS 56 FL 10.8 PH 10.5
 CK 1 CL 7000 LCM 8.5

ARBUCKLE
 5711(-3563) S

LOST CIRCULATION (80 BBLs),
 CIRCULATE & CONDITION MUD

CFS

