

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>

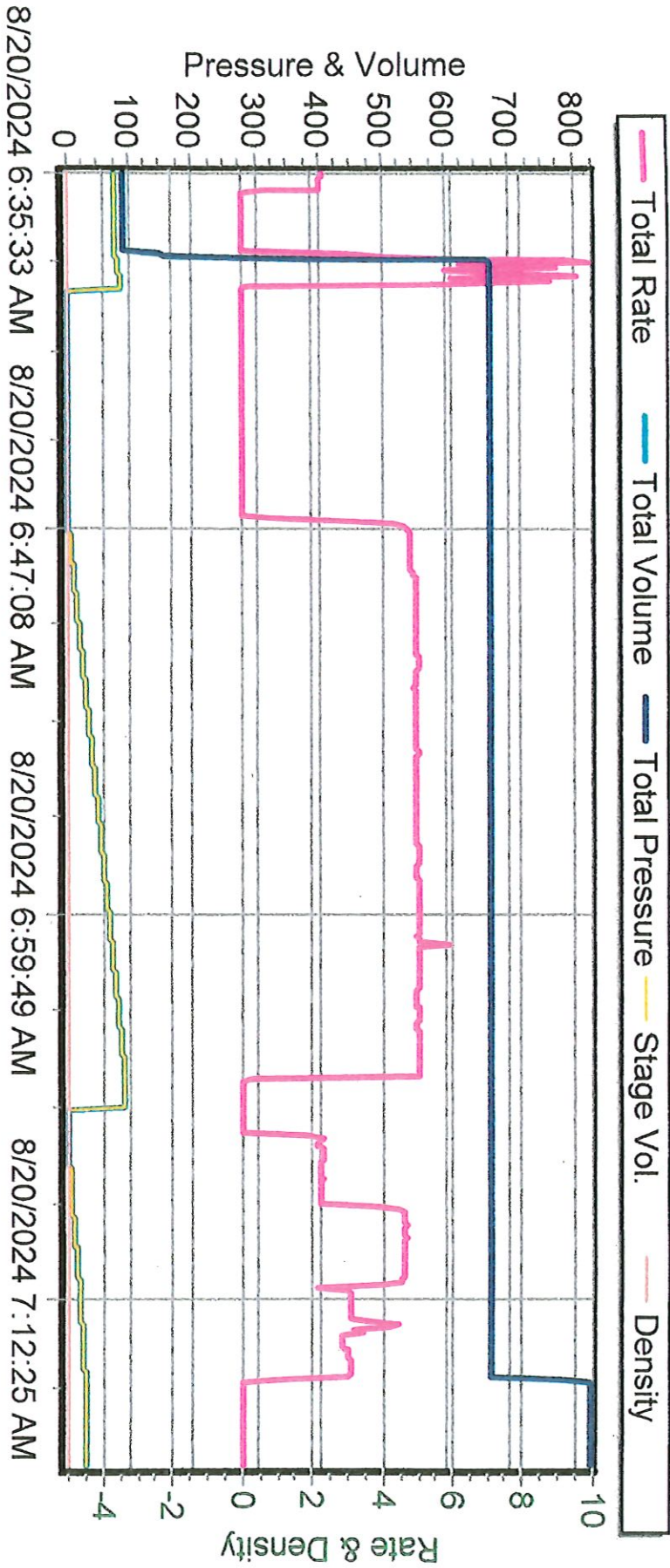
TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	BEREXCO LLC
Well Name	NEWBY 3-21
Doc ID	1795208

All Electric Logs Run

Microlog
Porosity
Induction
Sonic
Guard log

BEREXCO INC
NEWBY 3-21
SURFACE 8-20-24





QUASAR ENERGY SERVICES, INC.

3288 FM 51
 Gainesville, Texas 76240
 Office: 940-612-3336
 Fax: 940-612-3336 | qesi@qeserve.com

Form 185-2q

8/29/24
 CEMENTING JOB LOG

CEMENTING JOB LOG

Company: BEREXCO INC.		Well Name: NEWBY 3-21	
Type Job: PLUG/PTA		AFE #: 0	
CASING DATA			
Size:	0	Grade:	0
Weight:	0		
Casing Depths	Top: 0	Bottom:	0
Drill Pipe:	Size: 0	Weight:	0
Tubing:	Size: 0	Weight:	0
Open Hole:	Size: 7 7/8	T.D. (ft):	4900
Perforations	From (ft): 0	To: 0	Packer Depth(ft): 0
CEMENT DATA			
Spacer Type:			
Amt.	Sks Yield	ft ³ /sk	Density (PPG)
LEAD:			Excess
Amt.	Sks Yield	ft ³ /sk	Density (PPG)
TAIL:			Excess
CLASS A 60/40/4 1/4#POLY			
Amt.	300	Sks Yield	1.51
		ft ³ /sk	Density (PPG)
		13.51	
WATER:			
Lead:	gals/sk:	Tail:	7.5
		gals/sk:	Total (bbls):
		54	
Pump Trucks Used:	210-DP11		
Bulk Equipment:	228 660-20		
Disp. Fluid Type:	Amt. (Bbls.)	Weight (PPG):	
Mud Type:		Weight (PPG):	

COMPANY REPRESENTATIVE: _____ **CEMENTER:** CHAD HINZ

TIME AM/PM	PRESSURES PSI			FLUID PUMPED DATA		REMARKS
	Casing	Tubing	ANNULUS	TOTAL	RATE	
0900						ON LOC, SAFTEY MTG, R.U.
1240		170		10	4	H2O SPACER
1244		250		13.4	4	MIX 50 SX @ 1740'
1248		30		3	4	START DISP WASHUP
1250		40		18	4	MUD
1315		100		10	4.6	H2O SPACER
1319		200		21.5	4	MIX 80 SX @ 1470'
1324		40		3	4	START DISP WASHUP
1326		40		12	4	MUD
1406		100		10	4	H2O SPACER
1410		100		13.4	4	MIX 50 SX @ 780'
1414		40		7	4	START DISP WASHUP
1433		80		5	4	H2O SPACER
1436		80		13.4	4	MIX 50 SX @480'
1440		30		3	4	START DISP WASHUP
1500				5.3		PLUG @ 60'
1520				8, 5.3		PLUG RAT & MOUSE
1545						JOB COMPLETE
						THANK YOU FOR YOUR BUSINESS!!!



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
24
 2024

DST #1 **Formation: Lans H** **Test Interval: 4115 - 4140'** **Total Depth: 4140'**
 Time On: 17:00 08/24 Time Off: 02:20 08/25
 Time On Bottom: 19:25 08/24 Time Off Bottom: 23:25 08/24

Electronic Volume Estimate:
 1008'

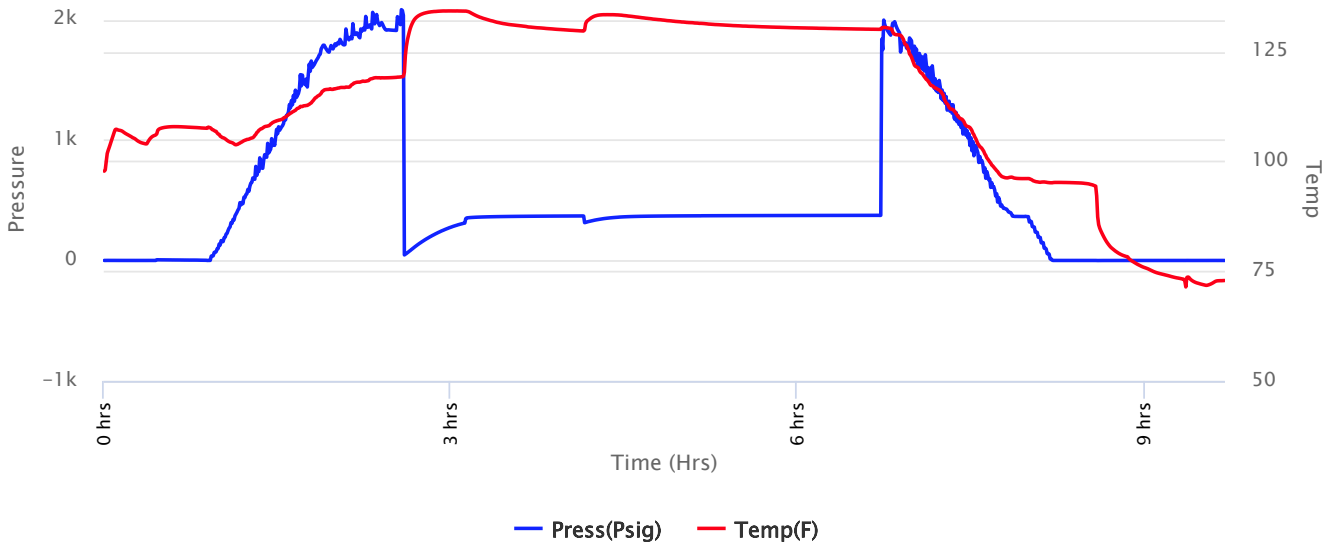
1st Open
 Minutes: 30
 Current Reading:
 64" at 30 min
 Max Reading: 64"

1st Close
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 20"

2nd Open
 Minutes: 60
 Current Reading:
 11.7" at 60 min
 Max Reading: 12"

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

Inside Recorder





Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
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DATE
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24
 2024

DST #1 **Formation: Lans H** **Test Interval: 4115 - 4140'** **Total Depth: 4140'**
 Time On: 17:00 08/24 Time Off: 02:20 08/25
 Time On Bottom: 19:25 08/24 Time Off Bottom: 23:25 08/24

Recovered

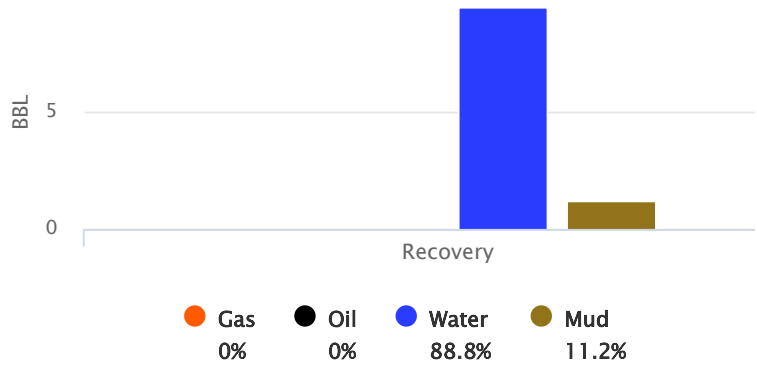
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
181	2.57563	HMCW	0	0	60	40
567	8.06841	SLMCW	0	0	98	2

Total Recovered: 748 ft
 Total Barrels Recovered: 10.64404

Reversed Out
 NO

Initial Hydrostatic Pressure	1910	PSI
Initial Flow	52 to 311	PSI
Initial Closed in Pressure	369	PSI
Final Flow Pressure	314 to 374	PSI
Final Closed in Pressure	375	PSI
Final Hydrostatic Pressure	1907	PSI
Temperature	135	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 0



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
24
2024

DST #1 **Formation: Lans H** **Test Interval: 4115 - 4140'** **Total Depth: 4140'**
Time On: 17:00 08/24 Time Off: 02:20 08/25
Time On Bottom: 19:25 08/24 Time Off Bottom: 23:25 08/24

BUCKET MEASUREMENT:

1st Open: 1" Blow. built to 64 inches in 30 minutes
1st Close: NOBB
2nd Open: 1/4" Blow. BOB in 31 minutes
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 0% Oil 98% Water 2% Mud
Ph: 7
Measured RW: 1.5 @ 87 degrees °F
RW at Formation Temp: 0.992 @ 135 °F
Chlorides: 25000 ppm



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 Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery &
 pressures

DATE
 August
24
 2024

DST #1 **Formation: Lans H** **Test Interval: 4115 - 4140'** **Total Depth: 4140'**
 Time On: 17:00 08/24 Time Off: 02:20 08/25
 Time On Bottom: 19:25 08/24 Time Off Bottom: 23:25 08/24

Down Hole Makeup

Heads Up: 14.24 FT	Packer 1: 4110 FT
Drill Pipe: 4096.67 FT <i>ID-3 1/2</i>	Packer 2: 4115 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4099.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4117 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: 25	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	
Change Over: FT	
Perforations: (below): 24 FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
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Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
24
2024

DST #1 **Formation: Lans H** **Test Interval: 4115 - 4140'** **Total Depth: 4140'**
Time On: 17:00 08/24 Time Off: 02:20 08/25
Time On Bottom: 19:25 08/24 Time Off Bottom: 23:25 08/24

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 49 **Filtrate:** 8.8 **Chlorides:** 800 ppm



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
24
2024

DST #1 Formation: Lans H Test Interval: 4115 - Total Depth: 4140'
4140'
Time On: 17:00 08/24 Time Off: 02:20 08/25
Time On Bottom: 19:25 08/24 Time Off Bottom: 23:25 08/24

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
25
 2024

DST #2 **Formation: Lans K** **Test Interval: 4196 - 4220'** **Total Depth: 4220'**
 Time On: 10:08 08/25 Time Off: 18:17 08/25
 Time On Bottom: 12:02 08/25 Time Off Bottom: 16:02 08/25

Electronic Volume Estimate:
 561'

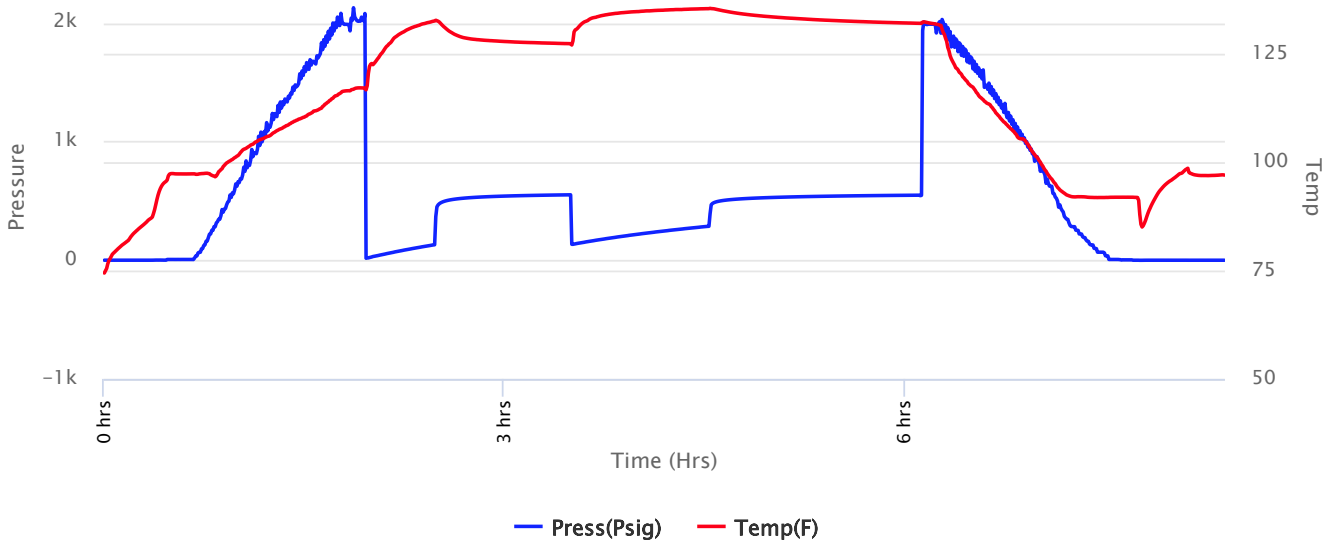
1st Open
 Minutes: 30
 Current Reading:
 22" at 30 min
 Max Reading: 22"

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

2nd Open
 Minutes: 60
 Current Reading:
 28.6" at 60 min
 Max Reading: 28.6"

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

Inside Recorder





Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
25
 2024

DST #2 **Formation: Lans K** **Test Interval: 4196 - 4220'** **Total Depth: 4220'**
 Time On: 10:08 08/25 Time Off: 18:17 08/25
 Time On Bottom: 12:02 08/25 Time Off Bottom: 16:02 08/25

Recovered

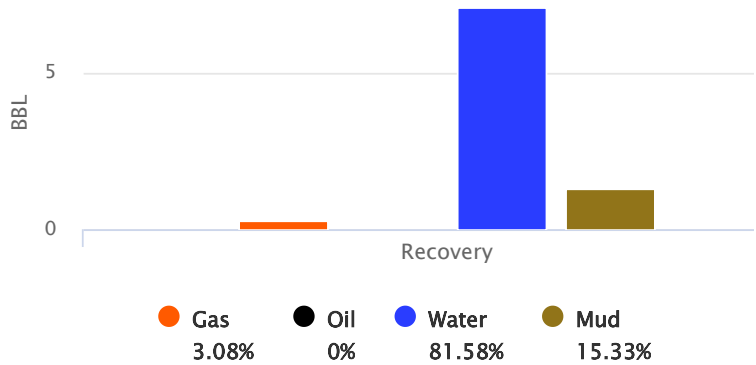
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
46	0.65458	HMCW	0	0	60	40
189	2.68947	SLGCHMCW	10	0	60	30
378	5.37894	SLMCW	0	0	95	5

Total Recovered: 613 ft
 Total Barrels Recovered: 8.72299

Reversed Out
 NO

Initial Hydrostatic Pressure	1987	PSI
Initial Flow	17 to 131	PSI
Initial Closed in Pressure	552	PSI
Final Flow Pressure	135 to 286	PSI
Final Closed in Pressure	549	PSI
Final Hydrostatic Pressure	1987	PSI
Temperature	136	°F
Pressure Change Initial Close / Final Close	0.6	%

Recovery at a glance



GIP cubic foot volume: 1.51



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
25
2024

DST #2 **Formation: Lans K** **Test Interval: 4196 - 4220'** **Total Depth: 4220'**
Time On: 10:08 08/25 Time Off: 18:17 08/25
Time On Bottom: 12:02 08/25 Time Off Bottom: 16:02 08/25

BUCKET MEASUREMENT:

1st Open: WSB. BOB in 15 minutes
1st Close: NOBB
2nd Open: 1/4" Blow. BOB in 20 minutes
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 0% Oil 98% Water 2% Mud
Ph: 7
Measured RW: .43 @ 98 degrees °F
RW at Formation Temp: 0.316 @ 136 °F
Chlorides: 12000 ppm



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery &
 pressures

DATE
 August
25
 2024

DST #2 **Formation: Lans K** **Test Interval: 4196 - 4220'** **Total Depth: 4220'**
 Time On: 10:08 08/25 Time Off: 18:17 08/25
 Time On Bottom: 12:02 08/25 Time Off Bottom: 16:02 08/25

Down Hole Makeup

Heads Up: 27.55 FT	Packer 1: 4191 FT
Drill Pipe: 4190.98 FT <i>ID-3 1/2</i>	Packer 2: 4196 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4180.42 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4198 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: 24	Surface Choke: 1"
Anchor Makeup	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): FT <i>4 1/2-FH</i>	
Change Over: FT	
Drill Pipe: (in anchor): FT <i>ID-3 1/2</i>	
Change Over: FT	
Perforations: (below): 23 FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
25
2024

DST #2 **Formation: Lans K** **Test Interval: 4196 - 4220'** **Total Depth: 4220'**
Time On: 10:08 08/25 Time Off: 18:17 08/25
Time On Bottom: 12:02 08/25 Time Off Bottom: 16:02 08/25

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 49 **Filtrate:** 8.8 **Chlorides:** 800 ppm



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery &
 pressures

DATE
 August
25
 2024

DST #2 **Formation: Lans K** **Test Interval: 4196 - 4220'** **Total Depth: 4220'**
 Time On: 10:08 08/25 Time Off: 18:17 08/25
 Time On Bottom: 12:02 08/25 Time Off Bottom: 16:02 08/25

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
------	---------	-----	-------

Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
26
 2024

DST #3 **Formation: Marmaton B** **Test Interval: 4340 - 4360'** **Total Depth: 4360'**
 Time On: 20:23 08/26 Time Off: 16:56 08/26
 Time On Bottom: 10:23 08/26 Time Off Bottom: 14:23 08/26

Electronic Volume Estimate:
 159'

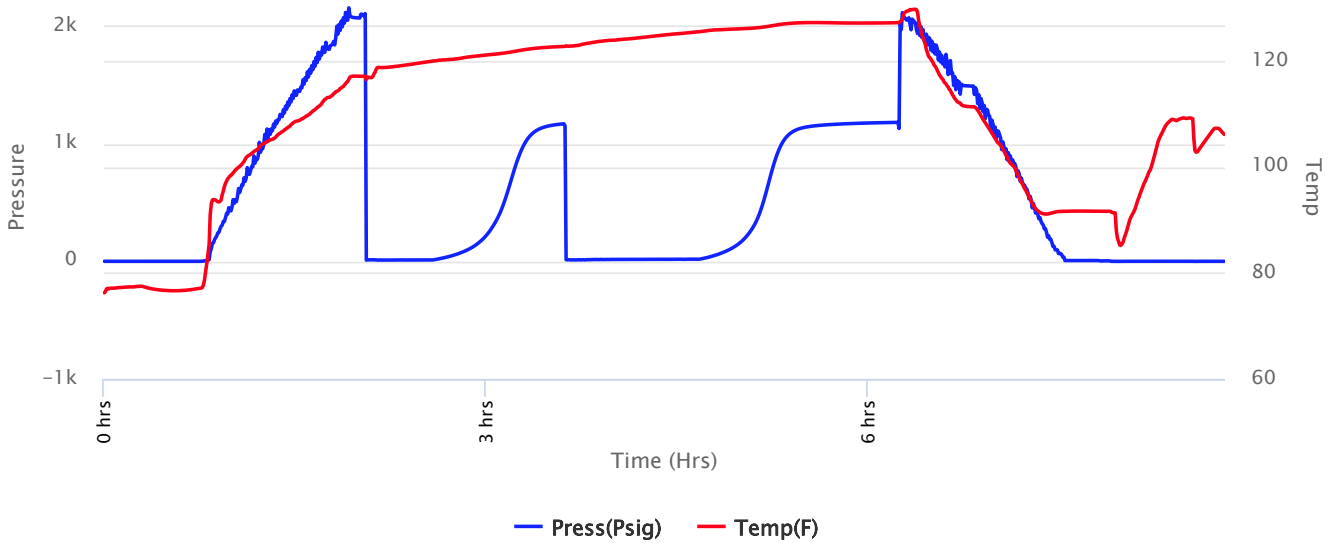
1st Open
 Minutes: 30
 Current Reading:
 4" at 30 min
 Max Reading: 4"

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

2nd Open
 Minutes: 60
 Current Reading:
 0" at 60 min
 Max Reading: 9.6"

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

Inside Recorder





Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
26
 2024

DST #3 **Formation: Marmaton B** **Test Interval: 4340 - 4360'** **Total Depth: 4360'**
 Time On: 20:23 08/26 Time Off: 16:56 08/26
 Time On Bottom: 10:23 08/26 Time Off Bottom: 14:23 08/26

Recovered

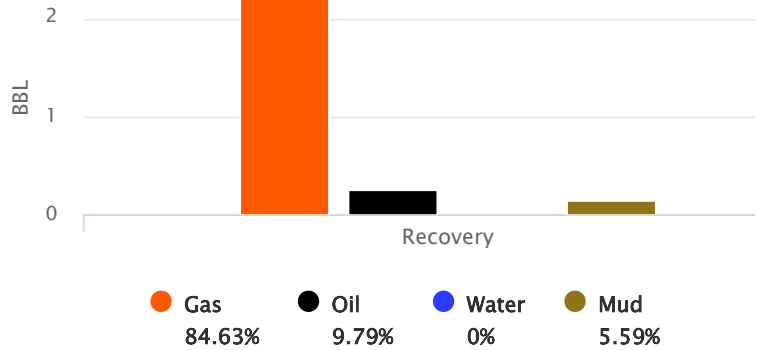
Foot	BBLs	Description of Fluid	Gas %	Oil %	Water %	Mud %
157	2.23411	G	100	0	0	0
10	0.1423	O	0	100	0	0
21	0.29883	SLGCHOCM	10	40	0	50

Total Recovered: 188 ft
 Total Barrels Recovered: 2.67524

Reversed Out
 NO

Initial Hydrostatic Pressure	2069	PSI
Initial Flow	11 to 12	PSI
Initial Closed in Pressure	1170	PSI
Final Flow Pressure	13 to 19	PSI
Final Closed in Pressure	1182	PSI
Final Hydrostatic Pressure	2061	PSI
Temperature	128	°F
Pressure Change Initial Close / Final Close	0.0	%

Recovery at a glance



GIP cubic foot volume: 12.71119



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
26
2024

DST #3 **Formation:**
Marmaton B **Test Interval: 4340 -** **Total Depth: 4360'**
4360'
Time On: 20:23 08/26 Time Off: 16:56 08/26
Time On Bottom: 10:23 08/26 Time Off Bottom: 14:23 08/26

BUCKET MEASUREMENT:

1st Open: WSB. Built to 4 inches in 30 minutes
1st Close: NOBB
2nd Open: 3 1/4" Blow.
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 85% Oil 0% Water 15% Mud
Gravity: 28.1 @ 60 °F



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
26
2024

DST #3 **Formation:** **Test Interval: 4340 -** **Total Depth: 4360'**
Marmaton B **4360'**
Time On: 20:23 08/26 Time Off: 16:56 08/26
Time On Bottom: 10:23 08/26 Time Off Bottom: 14:23 08/26

Mud Properties

Mud Type: Chem **Weight:** 9.2 **Viscosity:** 50 **Filtrate:** 9.2 **Chlorides:** 1200 ppm



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery &
 pressures

DATE
 August
26
 2024

DST #3 **Formation:** **Test Interval: 4340 -** **Total Depth: 4360'**
Marmaton B **4360'**
 Time On: 20:23 08/26 Time Off: 16:56 08/26
 Time On Bottom: 10:23 08/26 Time Off Bottom: 14:23 08/26

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
------	---------	-----	-------



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
27
 2024

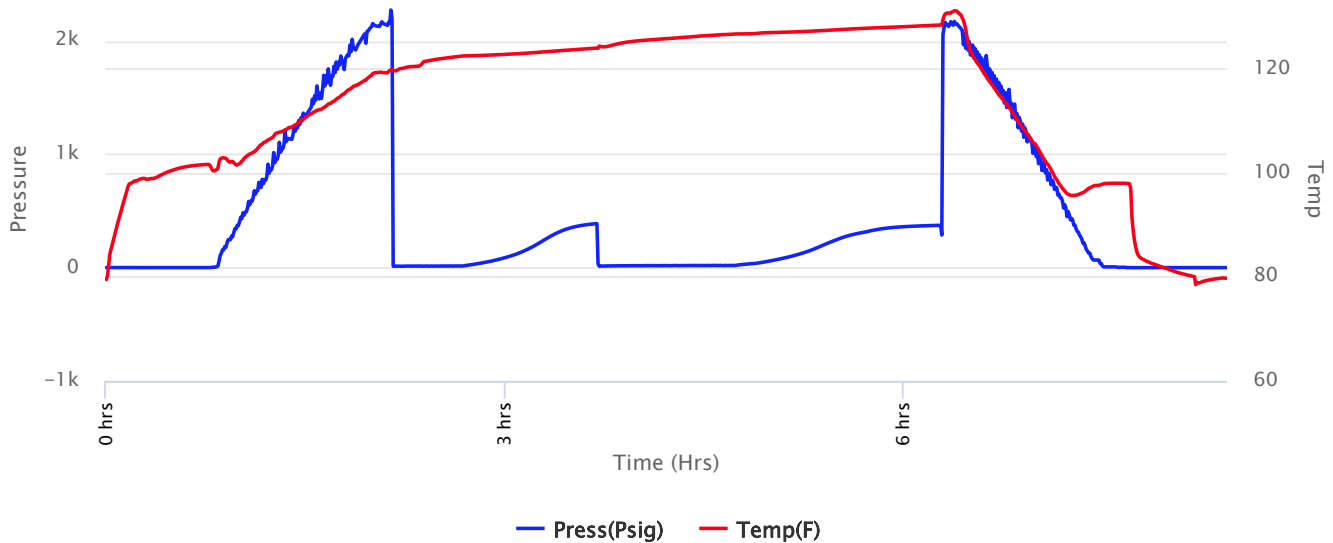
DST #4 Formation: Johnson Test Interval: 4490 - 4544' Total Depth: 4544'

Time On: 12:30 08/27 Time Off: 20:42 08/27
 Time On Bottom: 14:36 08/27 Time Off Bottom: 18:36 08/27

Electronic Volume Estimate:
 109'

<u>1st Open</u>	<u>1st Close</u>	<u>2nd Open</u>	<u>2nd Close</u>
Minutes: 30	Minutes: 60	Minutes: 60	Minutes: 90
Current Reading: 1.8" at 30 min	Current Reading: 0" at 60 min	Current Reading: 7.1" at 60 min	Current Reading: 0" at 90 min
Max Reading: 1.8"	Max Reading: 0"	Max Reading: 7.1"	Max Reading: 0"

Inside Recorder





Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery & pressures

DATE
 August
27
 2024

DST #4 Formation: Johnson Test Interval: 4490 - 4544' Total Depth: 4544'

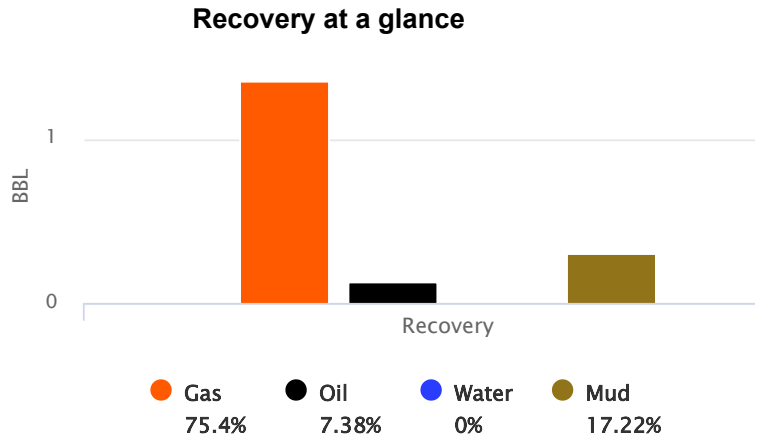
Time On: 12:30 08/27 Time Off: 20:42 08/27
 Time On Bottom: 14:36 08/27 Time Off Bottom: 18:36 08/27

Recovered		Description of Fluid	Gas %	Oil %	Water %	Mud %
Foot	BBLs					
95	1.35185	G	100	0	0	0
31	0.44113	HOCM	0	30	0	70

Total Recovered: 126 ft
 Total Barrels Recovered: 1.79298

Reversed Out
 NO

Initial Hydrostatic Pressure	2129	PSI
Initial Flow	13 to 15	PSI
Initial Closed in Pressure	389	PSI
Final Flow Pressure	13 to 20	PSI
Final Closed in Pressure	374	PSI
Final Hydrostatic Pressure	2130	PSI
Temperature	129	°F
Pressure Change Initial Close / Final Close	3.8	%



GIP cubic foot volume: 7.58996



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
27
2024

DST #4 Formation: Johnson Test Interval: 4490 - Total Depth: 4544'
4544'
Time On: 12:30 08/27 Time Off: 20:42 08/27
Time On Bottom: 14:36 08/27 Time Off Bottom: 18:36 08/27

BUCKET MEASUREMENT:

1st Open: 1/4" Blow. Built to 1 3/4 inch inc 30 minutes
1st Close: NOBB
2nd Open: 2 1/4" Blow. Built to 7 inches in 30 minutes
2nd Close: NOBB

REMARKS:

Tool Sample: 0% Gas 65% Oil 0% Water 35% Mud



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
 County: SCOTT
 State: Kansas
 Drilling Contractor: Duke Drilling
 Company, Inc - Rig 1
 Elevation: 2935 GL
 Field Name: Eva South
 Pool: Infield
 Job Number: 756
 API #: 15-171-21329

Operation:
 Uploading recovery &
 pressures

DATE
 August
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 2024

DST #4 Formation: Johnson Test Interval: 4490 - Total Depth: 4544'
4544'
 Time On: 12:30 08/27 Time Off: 20:42 08/27
 Time On Bottom: 14:36 08/27 Time Off Bottom: 18:36 08/27

Down Hole Makeup

Heads Up: 17.37 FT	Packer 1: 4484.26 FT
Drill Pipe: 4474.06 FT <i>ID-3 1/2</i>	Packer 2: 4489.76 FT
Weight Pipe: FT <i>ID-2 7/8</i>	Top Recorder: 4473.68 FT
Collars: FT <i>ID-2 1/4</i>	Bottom Recorder: 4525 FT
Test Tool: 34.07 FT <i>ID-3 1/2-FH</i> <i>Jars</i> <i>Safety Joint</i>	Well Bore Size: 7 7/8
Total Anchor: 54.24	Surface Choke: 1"
<u>Anchor Makeup</u>	Bottom Choke: 5/8"
Packer Sub: 1 FT	
Perforations: (top): 1 FT <i>4 1/2-FH</i>	
Change Over: 1 FT	
Drill Pipe: (in anchor): 30.74 FT <i>ID-3 1/2</i>	
Change Over: .5 FT	
Perforations: (below): 20 FT <i>4 1/2-FH</i>	



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
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Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
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pressures

DATE
August
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2024

DST #4 Formation: Johnson Test Interval: 4490 - Total Depth: 4544'
4544'

Time On: 12:30 08/27 Time Off: 20:42 08/27
Time On Bottom: 14:36 08/27 Time Off Bottom: 18:36 08/27

Mud Properties

Mud Type: Chem **Weight:** 9.25 **Viscosity:** 55 **Filtrate:** 9.2 **Chlorides:** 600 ppm



Company: Berexco, LLC
Lease: Newby #3-21

SEC: 21 TWN: 18S RNG: 31W
County: SCOTT
State: Kansas
Drilling Contractor: Duke Drilling
Company, Inc - Rig 1
Elevation: 2935 GL
Field Name: Eva South
Pool: Infield
Job Number: 756
API #: 15-171-21329

Operation:
Uploading recovery &
pressures

DATE
August
27
2024

DST #4 Formation: Johnson Test Interval: 4490 - Total Depth: 4544'
4544'
Time On: 12:30 08/27 Time Off: 20:42 08/27
Time On Bottom: 14:36 08/27 Time Off Bottom: 18:36 08/27

Gas Volume Report

1st Open

2nd Open

Time	Orifice	PSI	MCF/D
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Time	Orifice	PSI	MCF/D
------	---------	-----	-------

SUNBURST CONSULTING



A G E O L O G Y S E R V I C E

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

Well Name: Newby #3-21
Well Id: 15-171-21329
Location: SE NW NE SE Sec. 21, T18S-R31W Scott County, Kansas
License Number: 34318
Spud Date: 19 AUG 24
Surface Coordinates: 2253' FSL & 756' FEL
Lat 38.4745302 Long -100.7437031
Region: Hugoton Embayment
Drilling Completed: 28 AUG 24
Bottom Hole Coordinates:
Ground Elevation (ft): 2935' K.B. Elevation (ft): 2948'
Logged Interval (ft): 3600' To: 4750" Total Depth (ft): 4750'
Formation: SHAWNEE thru SPERGEN
Type of Drilling Fluid: Freshwater Chemical

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

OPERATOR

Company: BEREXCO, LLC
Address: 2020 North Bramblewood Drive
Wichita, Kansas 67206 1094

GEOLOGIST

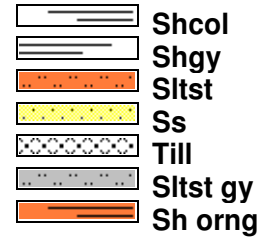
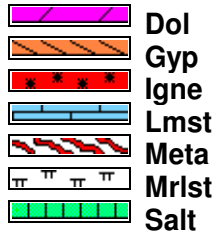
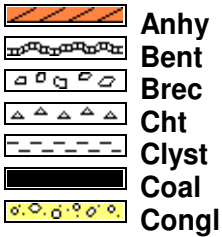
Name: Peter Vollmer WPG #3369
Company: Sunburst Consulting, Inc.
Address: 1645 Avenue D Suite E
Billings, Montana 59102
406-259-4124

SURVEYS

DSTs

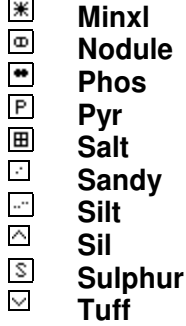
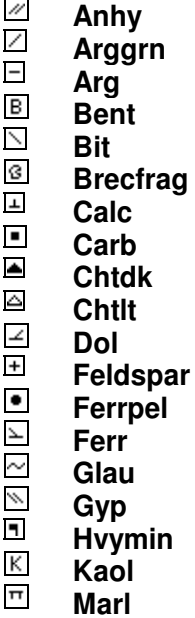
Comments

ROCK TYPES

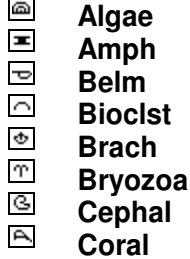


ACCESSORIES

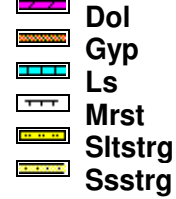
MINERAL



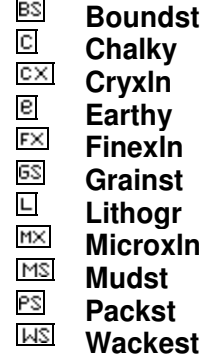
FOSSIL



STRINGER

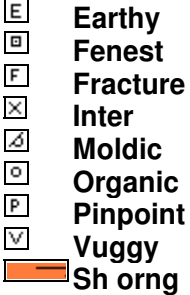


TEXTURE



OTHER SYMBOLS

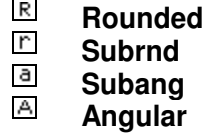
POROSITY



SORTING



ROUNDING



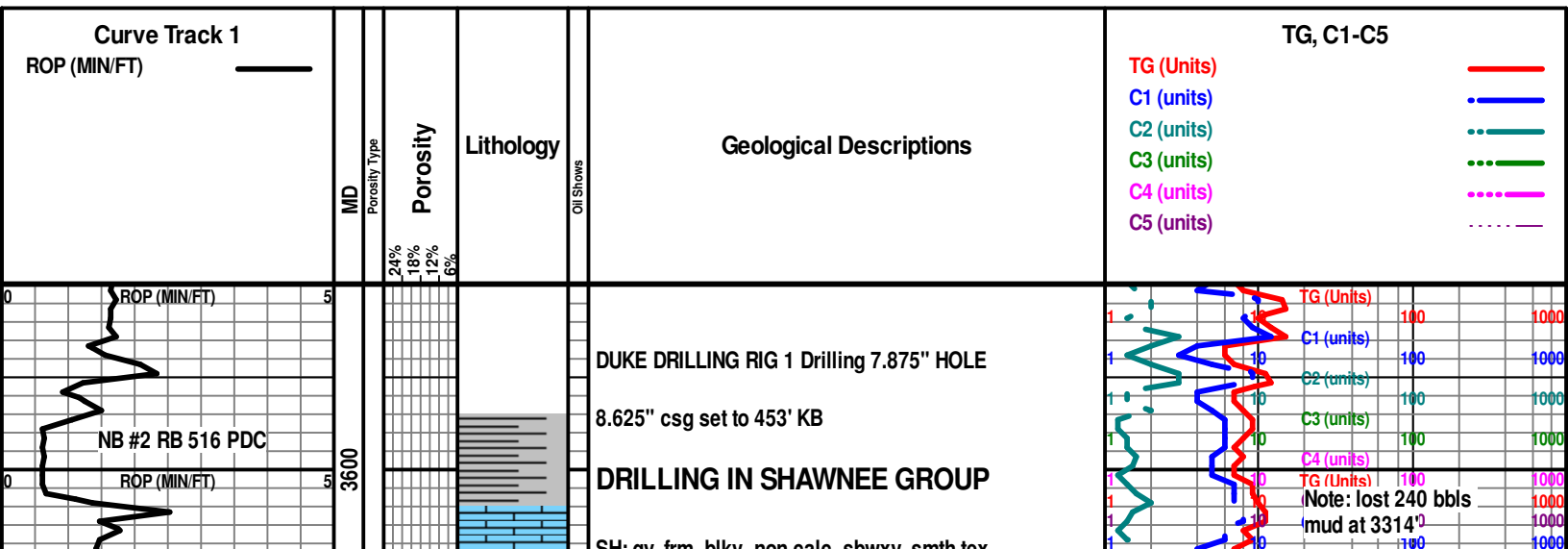
OIL SHOW

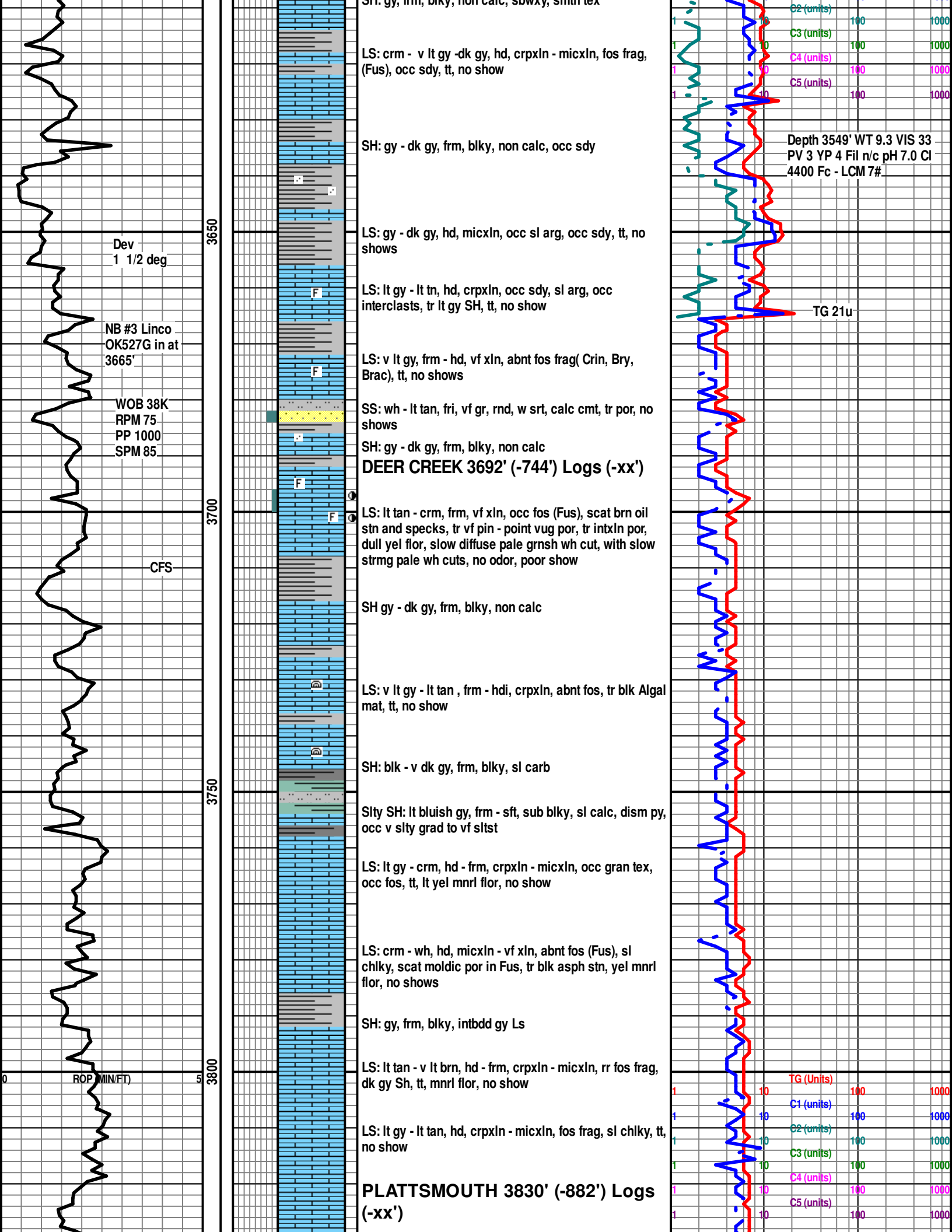


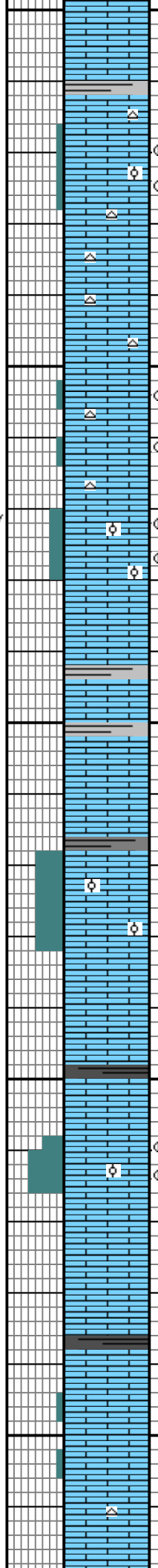
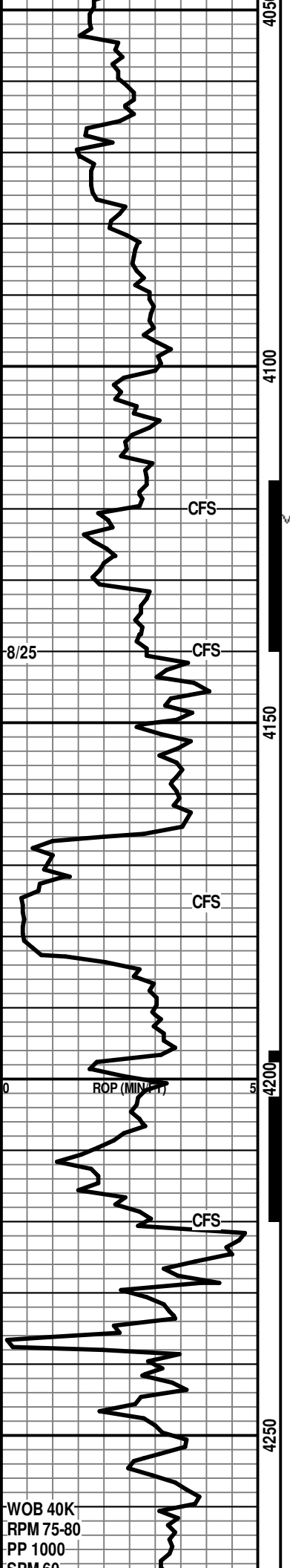
INTERVAL



EVENT







LS: lt tan - crm - oil wh, frm - hd, crp - micxln, occ chalky tex, tr ool, fos (Fus), tr - fr por, no show

LS: lt tan - crm - v lt gy, frm - hd, crp - micxln, tr ool, occ chlyk tex, fos frag, occ lt gy Sh ptgs, tt, no show.

Lansing "F" 4065' (-1117') (-Logs 11x7')
 LS: lt tan - wh - v lt gy, frm - hd, crp - vf xln, tr micsuc tex, fos frag (Fus), occ chalky tex, occ opa-wh Cht, tr lt brn oil stn, tt - tr intxln por, bri yel flor, slow diffuse pale grnish wh cuts

Lansing "G" 4089' (-1141') (-Logs 11x1')
 LS: v lt tan - crm - v lt gy, hd, crpxln, occ chlyk, scat wh Cht, tt - tr por, mnrl flor, no show

Lansing "H" 4097' (-1149') (Logs -xx')
 LS: wh - crm - lt tan, hd, micxln - vf xln, occ ool, tr packst, lt brn Cht, tr dk brn oil stn, tr interparticle anf vugy por, bri yelwh flor, v wk slow pale green cut, no odor

LS: lt tan - crm, frm - hd, crp - vf xln, micsuc tex, fos frag, tr hvy occuled ool, scat dk brn - blk oil stn, fr intxln and vuggy por, bri yelgold flor, v slow strmg bluish wh cut, no odor

Lansing "I" 4144' (-1196') Logs (-xxxx')
 SH: gy, frm, blk, non calc, intbdd crm Ls

LS: lt tan - crm, hd, crpxln, sl chlyk, fos frag, tt, no show

Lansing "J" 4166' (-1218') Logs (-xx')
 LS: wh - lt tan, frm, micxln, occ oolitic packst, v chlyk tex, cln, no stn, fr intxln and oolmodic por, mnrl flor, no show

LS: wh - crm - v lt gy, hd, crpxln - micxln, chlyk tex, fos frag, occ interclasts, tt, no shows

SH: dk gy - blk, frm, fis - blk, sl carb, tr pyr

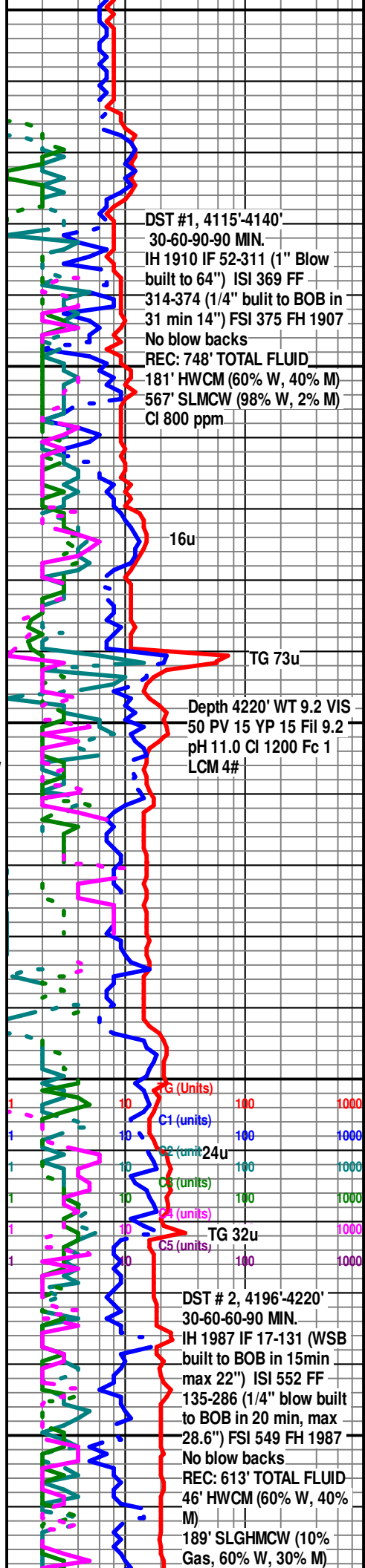
Lansing "K" 4200' (-1252')
 LS: crm - wh, hd, f xln, abnt ool, occ oolic packst, fos frag (Fus), occ brn oil stn, good interparticle por, bri yel wh flor, fr diffuse bluish wh cut, fnt petro odor

LS: wh - crm, hd, crpxln, chlyk tex, fos frag (Fus), tr blk Algal stn, tt, no shows

SH: blk, sft, blk, v carb

Lansing "L" 4238' (-1290') (-xx')
 LS: wh - lt tan, - lt gy, hd, crpxln - micxln, occ chlyk, fos frag, tt - tr intxln por, no shows, fnt gas odor

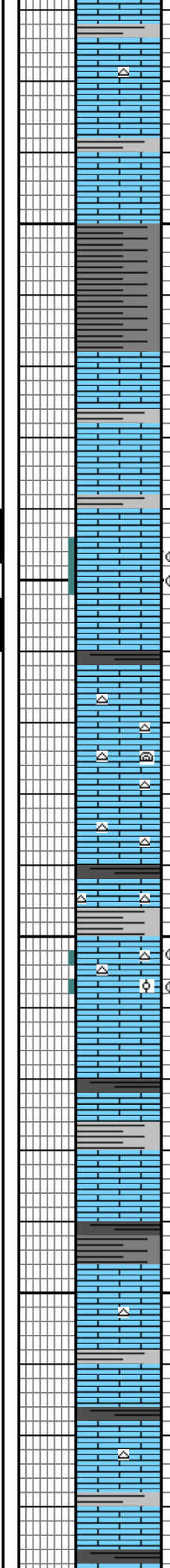
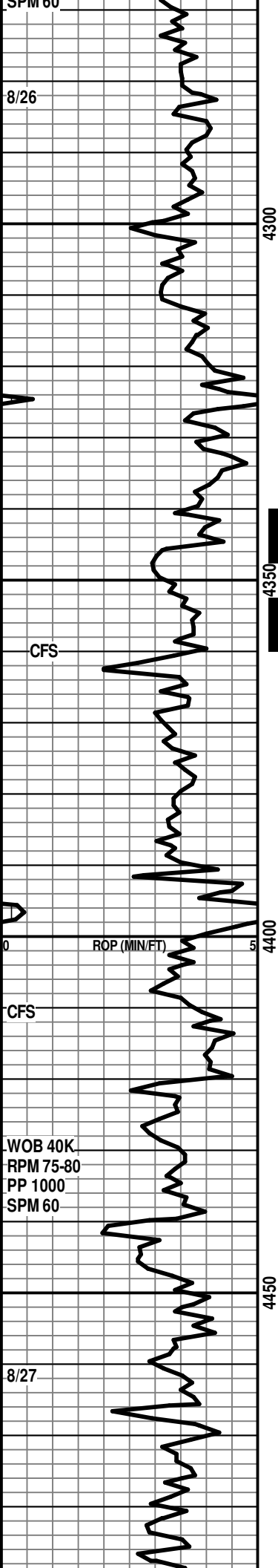
LS: crm - wh, hd, crpxln, chlyk, occ lt brn Cht, intbdd lt



DST #1, 4115'-4140'
 30-60-90-90 MIN.
 IH 1910 IF 52-311 (1" Blow built to 64") ISI 369 FF
 314-374 (1/4" bulit to BOB in 31 min 14") FSI 375 FH 1907
 No blow backs
 REC: 748' TOTAL FLUID
 181' HWCM (60% W, 40% M)
 567' SLMCW (98% W, 2% M)
 CI 800 ppm

Depth 4220' WT 9.2 VIS
 50 PV 15 YP 15 Fil 9.2
 pH 11.0 CI 1200 Fc 1
 LCM 4#

DST # 2, 4196'-4220'
 30-60-60-90 MIN.
 IH 1987 IF 17-131 (WSB built to BOB in 15min max 22") ISI 552 FF
 135-286 (1/4" blow built to BOB in 20 min, max 28.6") FSI 549 FH 1987
 No blow backs
 REC: 613' TOTAL FLUID
 46' HWCM (60% W, 40% M)
 189' SLGHMCW (10% Gas, 60% W, 30% M)



gy Sh, tt, no shows

LS: crm - off wh, hd, crpxln - micxln, pred chky tex, occ fos frag, tr lt tan Cht, intbdd lt gy Sh, tt, no show

Base Kansas City 4300' (-1352')

SH: bluish gy - dk gy, frm, pty, sbwxy, dism pyr, non calc, occ sl Sdy

Maramaton 4321 (-1373')

LS: lt gy - lt tan -crm, hd, crpxln, fos frag, intbdd bluish gy sdy Sh, tt, no show

Altamont 4345' (-1397')

LS: crm - v lt gy, hd, micxln - vf xln, occ fos frag, scat blk oil specks, live brnsh blk oil, tr intxn por, bri yelwh flor, instant bluish wh flash cut with mod strmg bluish wh cuts, no odor

SH: blk, frm sbfis, carb, dism pyr

Marmaton "C" 4354' (-1406') Logs

LS: v lt gy - crm, hd, crpxln, fos frag, abnt opa q - v lt orng Cht, tr blk Algal stn, tt, no shows

LS: crm - wh, hd, crpxln, tr blk Algal stn, scat Cht, tt, no shows

Pawnee 4392' (-1444')

SH: blk, frm, fis, carb

LS: wh, hd, crpxln, abnt opa q Cht, tt, no show

SH: gy, frm, blk, non calc

LS: v lt gy - crm, frm -hd, crpxln-micgran tex, ool, abnt Cht, vf blk oil spots, tt - tr interparticle por, bri yel flor, immed bluishwh flash cut, w slow strmg cuts, v fnt petro odor, show from tight cuttings

LS: lt tan - v lt gy, hd, crpxln, tr opa q Cht, tt, yel mnrl flor. no show.

Fort Scott 4424' (-1476')

LS: crm, hd, crpxln, opa q Cht, tt, no show

SH: lt gy, frm, blk, calc

LS: crm - v lt gy, frm, crpxln, tr grainst, occ pel, chky tex, Cht, tt, no show

SH: blk - dk gy, frm, flakey, sl carb.

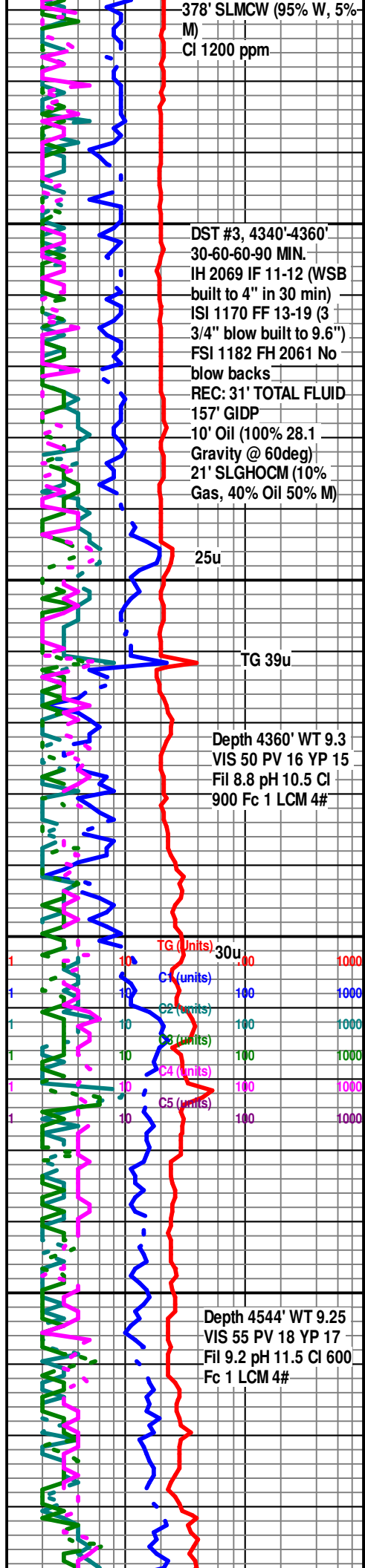
Cherokee 4446' (-1498')

LS: wh - crm, hd, crpxln, occ opa q Cht, occ styl, tt, no show

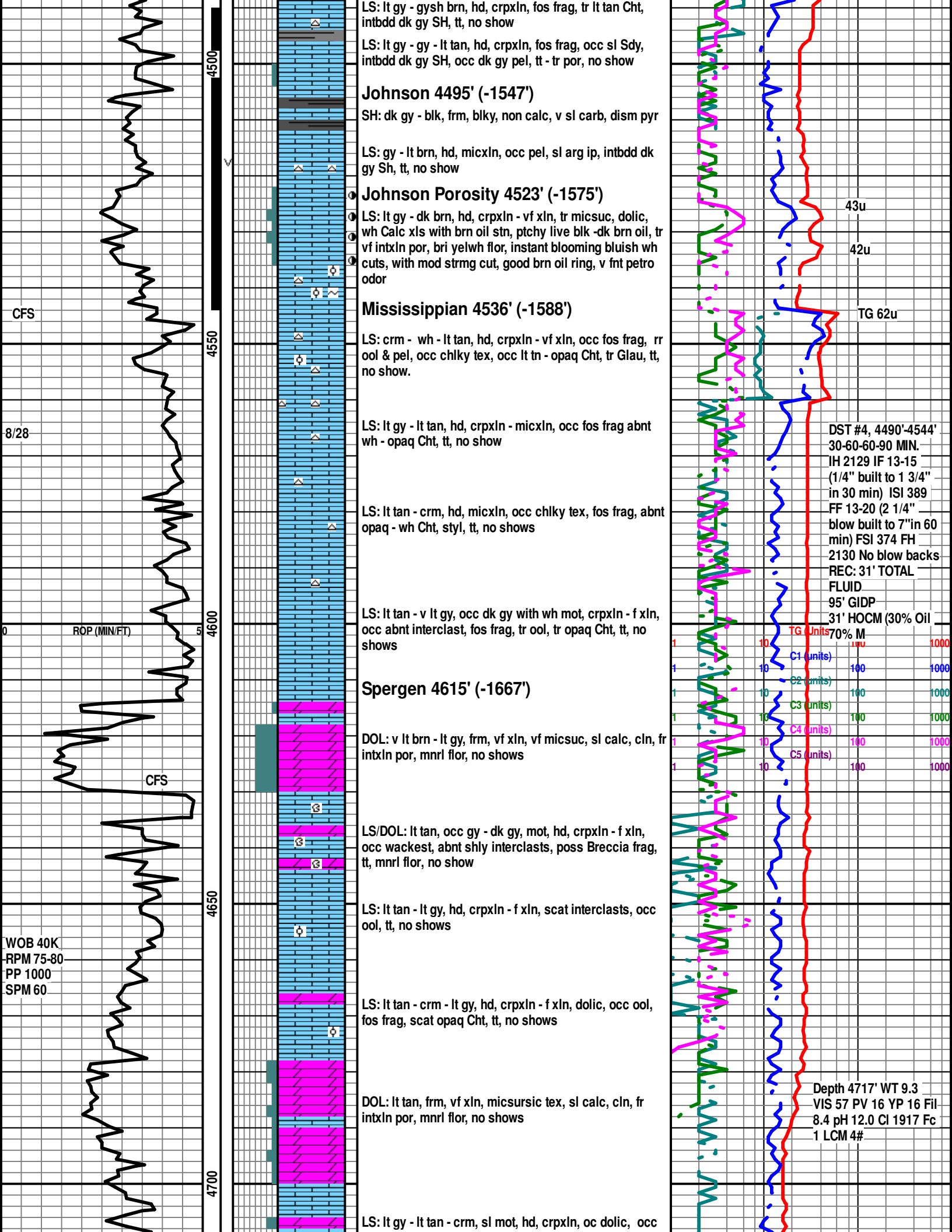
SH: blk, frm, flakey, sl carb

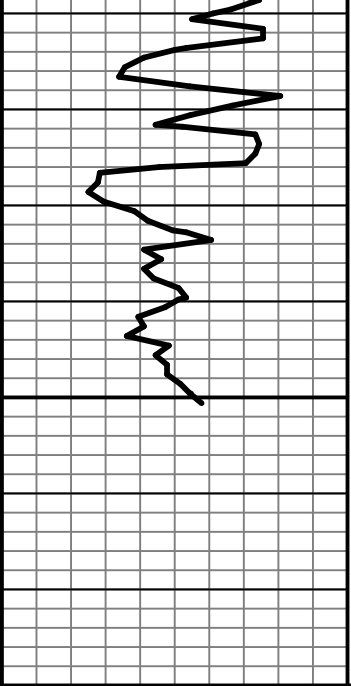
LS: lt tan - wh, hd, crpxln, fos (Crim), occ opa q Cht, occ intbdd dk gy Sh stringers, tt, no shows

SH: blk, frm, fis, sl carb

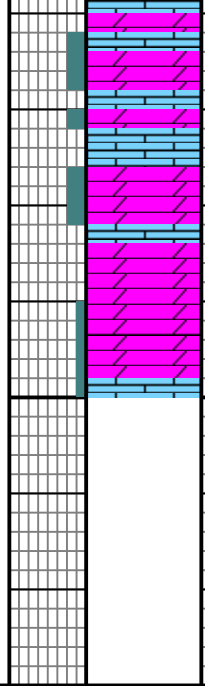


WOB 40K
RPM 75-80
PP 1000
SPM 60





4750



ool, interclasts, tr lt brn Cht, styl, tr interxln por, mnrl
flor, no show, interbdd lt tan sucrosic Dol

DOL: lt tan, frm, vf xln, micsucroic tex, sl - mod calc,
cln, fr intxln por, mnrl flor, no shows

Total Depth:
Driller = 4750'
Logger = 47xx'

