



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Berexco, LLC
2020 N Bramblewood
Wichita, KS 67206
ATTN: Bryan Bynog

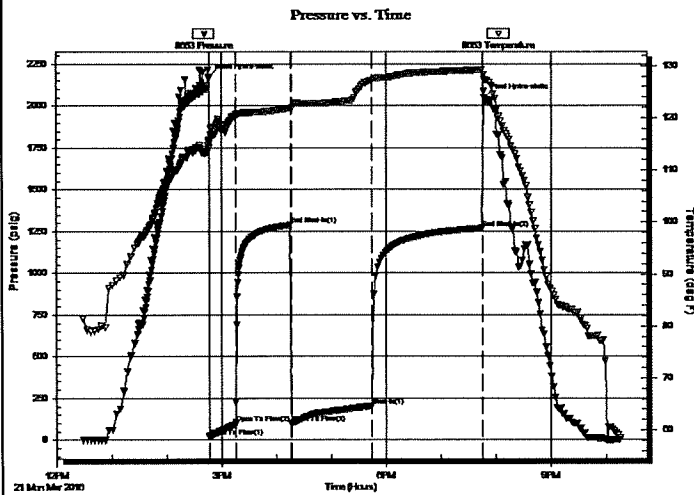
29-5S-37W Cheyenne, KS
Donna #1-29
Job Ticket: 65309 DST#: 1
Test Start: 2016.03.21 @ 12:28:00

GENERAL INFORMATION:

Formation: LKC "A,B,C"
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:46:00
Time Test Ended: 22:15:00
Interval: 4285.00 ft (KB) To 4360.00 ft (KB) (TVD)
Total Depth: 4360.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82
Reference Elevations: 3424.00 ft (KB)
3412.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8653 **Outside**
Press@RunDepth: 203.99 psig @ 4286.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.03.21 End Date: 2016.03.21 Last Calib.: 2016.03.21
Start Time: 12:29:00 End Time: 22:15:00 Time On Btm: 2016.03.21 @ 14:45:50
Time Off Btm: 2016.03.21 @ 19:47:00

TEST COMMENT: 30 - IF- 1/8" Blow built to 4 1/2"
60 - IS- No Return
90 - FF- Surface Blow started at 10 min. Built to 4 1/2"
120 - FS- No Return



PRESSURE SUMMARY

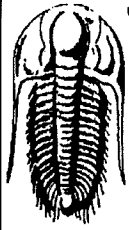
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.07	115.63	Initial Hydro-static
1	21.39	114.37	Open To Flow (1)
30	102.63	120.30	Open To Flow (2)
90	1287.05	121.84	End Shut-In(1)
91	97.67	121.78	Open To Flow (3)
179	203.99	127.25	Shut-In(1)
300	1269.12	129.25	End Shut-In(2)
302	2046.39	127.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
59.00	MW 30M 70W	0.29
118.00	MW 40M 60W	0.58
118.00	MW 50M 50W	0.58
93.00	WM 30W 70M	1.30

Gas Rates

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



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FLUID SUMMARY

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29-5S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Donna #1-29

Job Ticket: 65309

DST#: 1

ATTN: Bryan Bynog

Test Start: 2016.03.21 @ 12:28:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	26000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
59.00	MW 30M 70W	0.290
118.00	MW 40M 60W	0.580
118.00	MW 50M 50W	0.580
93.00	WM 30W 70M	1.305

Total Length: 388.00 ft Total Volume: 2.755 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

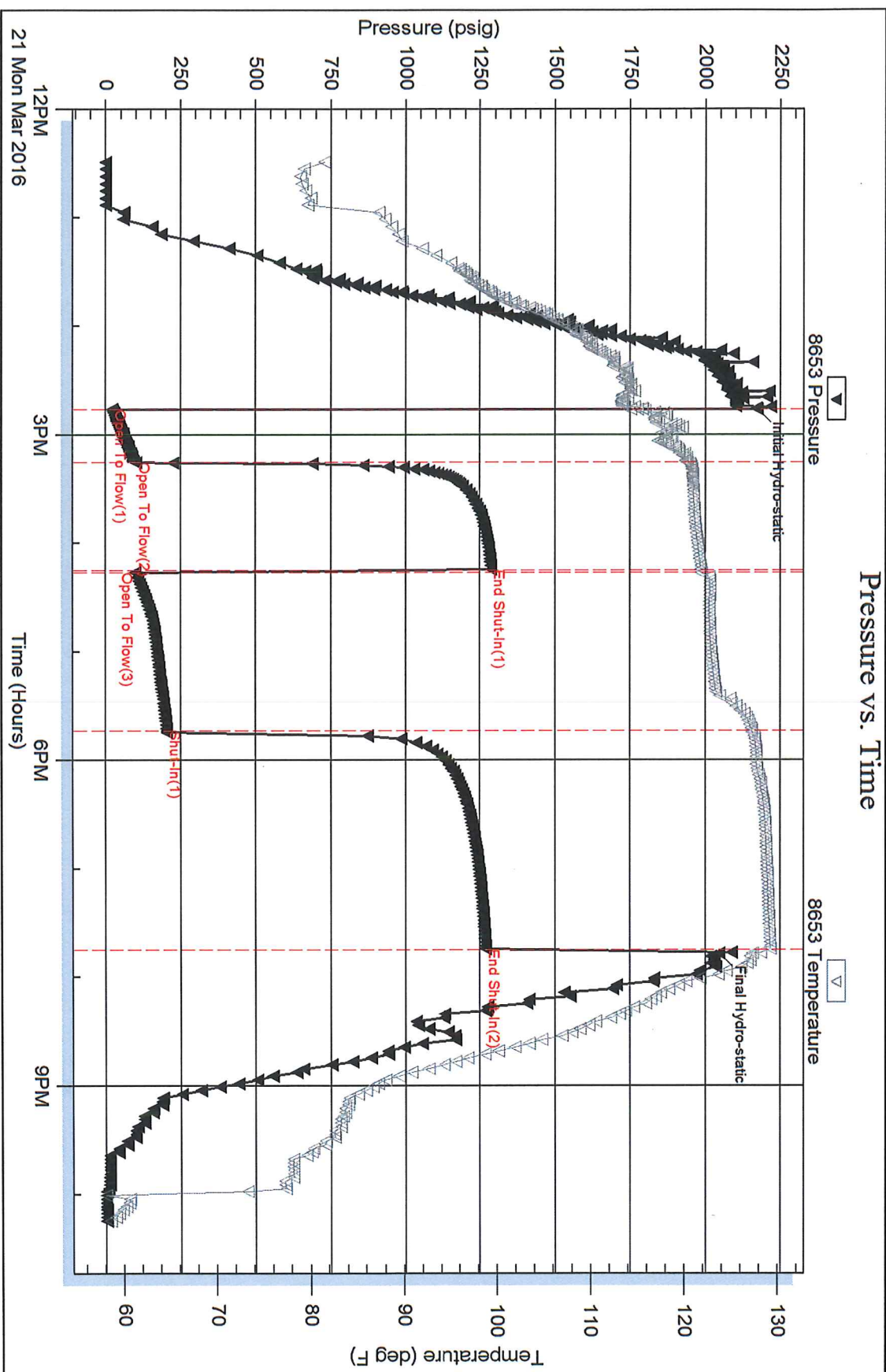
Recovery Comments: RW = .27 @ 70 deg = 26000ppm

Serial #: 8653

Outside Berexco, LLC

Donna #1-29

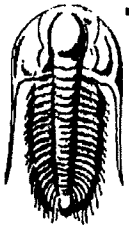
DST Test Number: 1



Triobite Testing, Inc

Ref. No: 65309

Printed: 2016.03.22 @ 07:25:18



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DRILL STEM TEST REPORT

Berexco, LLC
2020 N Bramblewood
Wichita, KS 67206
ATTN: Bryan Bynog

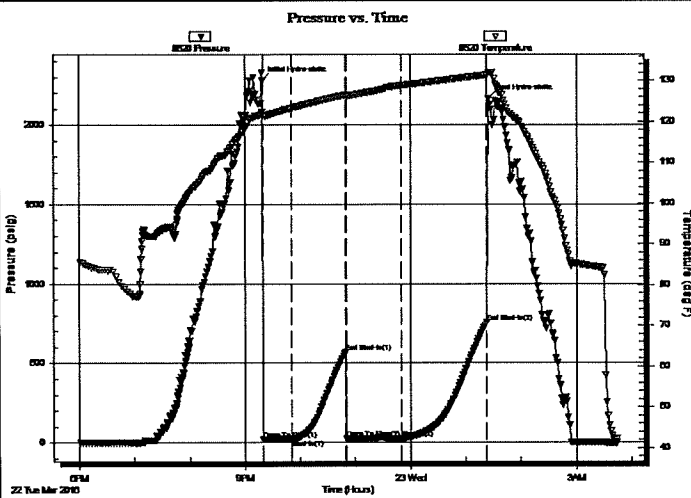
29-5S-37W Cheyenne, KS
Donna #1-29
Job Ticket: 65310 **DST#: 2**
Test Start: 2016.03.22 @ 18:00:00

GENERAL INFORMATION:

Formation: **LKC "E"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:20:00
Time Test Ended: 03:44:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Kevin Mack
Unit No: 82
Interval: **4430.00 ft (KB) To 4490.00 ft (KB) (TVD)**
Total Depth: 4490.00 ft (KB) (TVD)
Reference Elevations: 3424.00 ft (KB)
3412.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Good
KB to GR/CF: 12.00 ft

Serial #: 8520 Inside
Press@RunDepth: 25.68 psig @ 4431.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.03.22 End Date: 2016.03.23 Last Calib.: 2016.03.23
Start Time: 18:01:00 End Time: 03:44:30 Time On Btm: 2016.03.22 @ 21:19:00
Time Off Btm: 2016.03.23 @ 01:24:30

TEST COMMENT: 30 - IF- Weak Surface Blow built to 1/8" then died back to surface blow
60 - IS- No Return
60 - FF- No Blow
90 - FS- No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2280.97	122.19	Initial Hydro-static
1	19.68	121.33	Open To Flow (1)
31	21.08	123.19	Shut-In(1)
90	567.63	126.41	End Shut-In(1)
91	22.99	126.18	Open To Flow (2)
151	25.68	128.76	Shut-In(2)
244	755.95	131.34	End Shut-In(2)
246	2162.20	131.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100M	0.02

Gas Rates

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

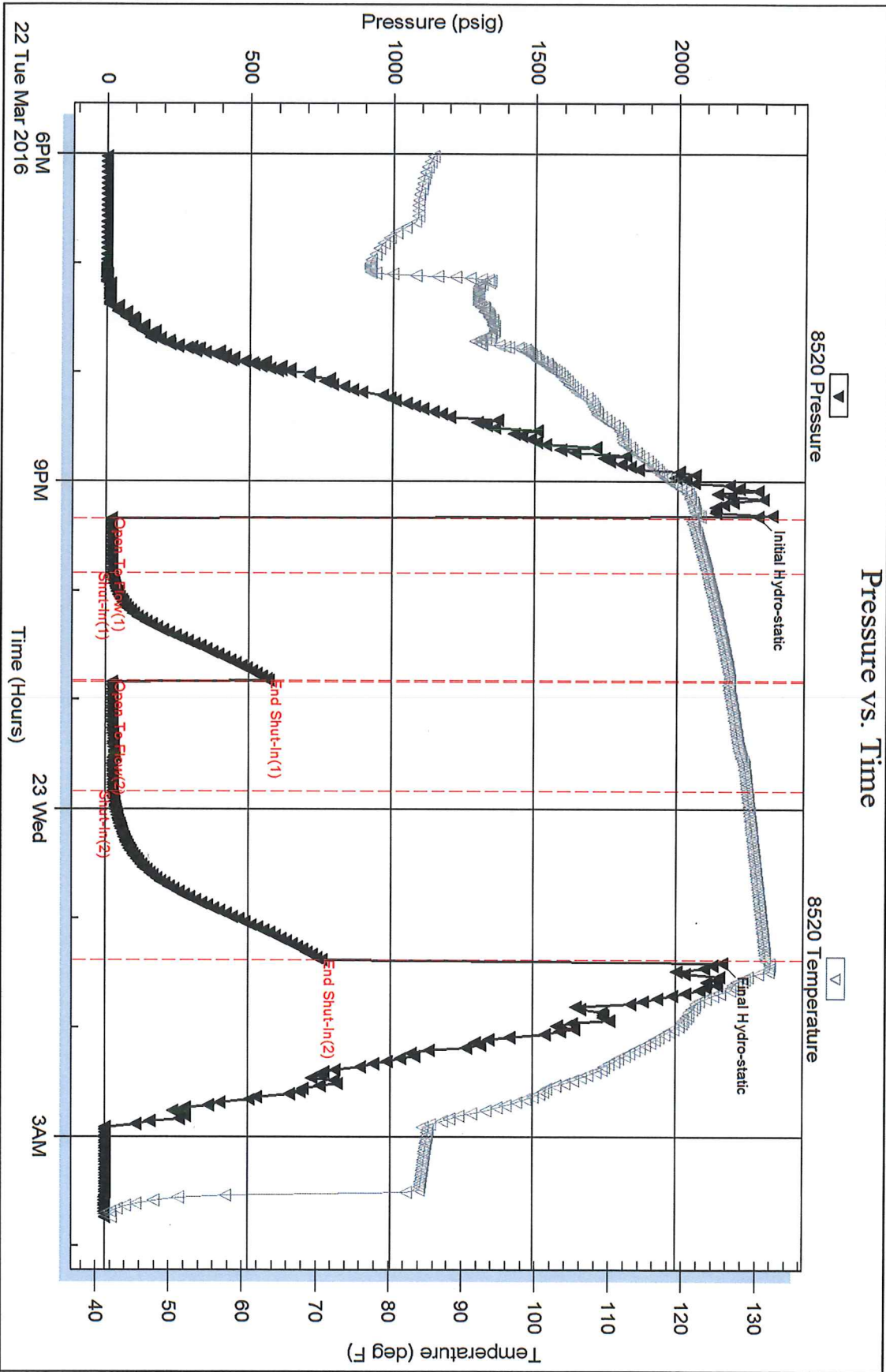
Serial #: 8520

Inside

Berexco, LLC

Donna #1-29

DST Test Number: 2





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Berexco, LLC

29-5S-37W Cheyenne, KS

2020 N Bramblewood
Wichita, KS 67206

Donna #1-29

Job Ticket: 65311

DST#: 3

ATTN: Bryan Bynog

Test Start: 2016.03.24 @ 19:48:00

GENERAL INFORMATION:

Formation: **Pawnee, Ft. Scott, C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:35:50

Time Test Ended: 07:02:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Kevin Mack

Unit No: 82

Interval: **4640.00 ft (KB) To 4825.00 ft (KB) (TVD)**

Reference Elevations: 3424.00 ft (KB)

Total Depth: 4825.00 ft (KB) (TVD)

3412.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

Serial #: 8653

Outside

Press@RunDepth: 1028.50 psig @ 4641.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.03.24

End Date:

2016.03.25

Last Calib.: 2016.03.25

Start Time: 19:49:00

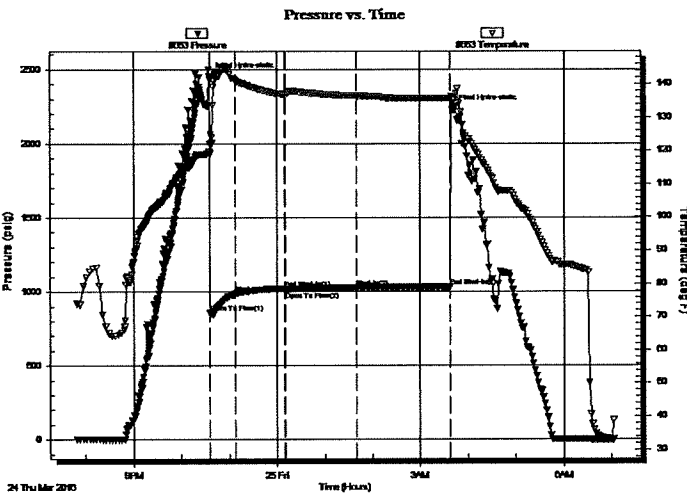
End Time:

07:02:30

Time On Btm: 2016.03.24 @ 22:35:20

Time Off Btm: 2016.03.25 @ 03:41:30

TEST COMMENT: 30 - IF- BoB in 45 sec.
60 - IS- No Return
90 - FF- Weak Surface Blow built to 5 1/2"
120 - FS- No Return



PRESSURE SUMMARY

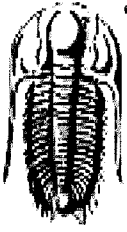
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2451.00	119.27	Initial Hydro-static
1	857.69	119.03	Open To Flow (1)
33	986.50	141.20	Shut-In(1)
94	1022.50	136.78	End Shut-In(1)
96	1001.70	136.72	Open To Flow (2)
185	1028.50	136.42	Shut-In(2)
303	1030.75	135.69	End Shut-In(2)
307	2230.89	135.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
295.00	MW 5M 95W	1.45
567.00	MW 20M 80W	7.95
441.00	MW 40M 60W	6.19
378.00	VM 40W 60M	5.30
515.00	VM 90M 10W	7.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Wichita, KS 67206

Donna #1-29

Job Ticket: 65311

DST#: 3

ATTN: Bryan Bynog

Test Start: 2016.03.24 @ 19:48:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	17000 ppm
Viscosity: 64.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
295.00	MW 5M 95W	1.451
567.00	MW 20M 80W	7.954
441.00	MW 40M 60W	6.186
378.00	WM 40W 60M	5.302
515.00	WM 90M 10W	7.224

Total Length: 2196.00 ft Total Volume: 28.117 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW = .52 @ 64 deg = 17,000ppm

Serial #: 8653

Outside Berexco, LLC

Donna #1-29

DST Test Number: 3

