



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BUHRLE1DST1

TIME ON: 00:46
TIME OFF: 08:22

Company RJM Company Lease & Well No. Buhrle #1
Contractor Southwind Drlg. Rig #3 Charge to RJM Company
Elevation 2222' KB Formation Cherokee Sand Effective Pay _____ Ft. Ticket No. F435
Date 8-7-16 Sec. 9 Twp. 20s S Range 19w W County Pawnee State KANSAS
Test Approved By Jim Musgrove Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4140 ft. to 4192 ft. Total Depth 4192 ft.
Packer Depth 4135 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4140 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4118 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4143 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 63 (1# LCM) Drill Collar Length 123 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 3,984 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 J&SJ Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 52 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow increased to BOB in 5 minutes. Blowback @ 1"

2nd Open: Blow increased to BOB in 7 minutes. No blowback.

Recovered 15 ft. of Clean Oil 100% o
Recovered 441 ft. of M&OCW 10% o, 10% m, 80% w
Recovered 252 ft. of SOC MCW 4% o, 20% m, 76% w
Recovered 252 ft. of Oil Specked SMCW <1% o, 10% m, >89% w

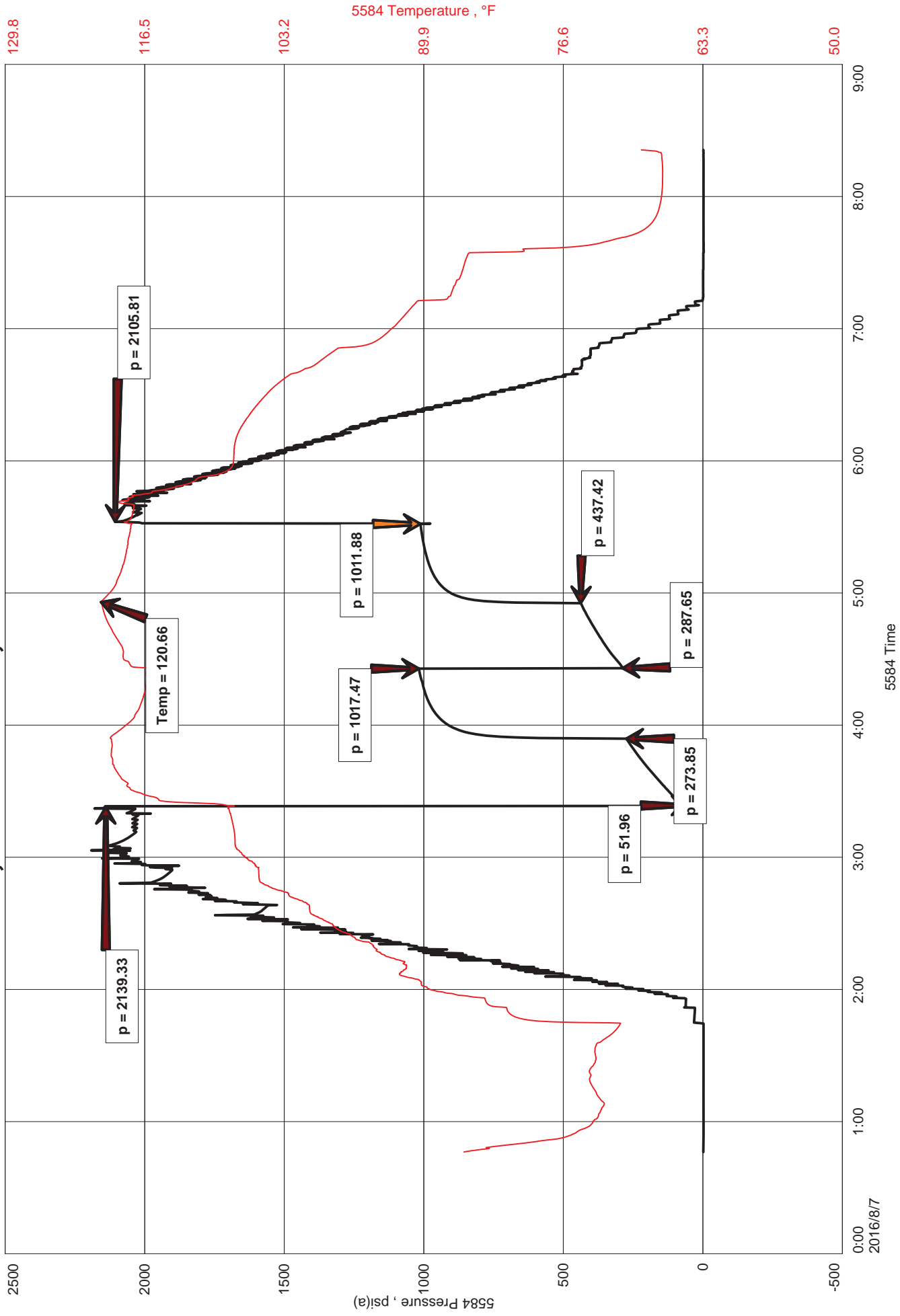
Recovered _____ ft. of <u>TOTAL RECOVERED FLUID: 945'</u>	Price Job
Recovered _____ ft. of <u>180' Gas In Pipe</u>	Other Charges
Remarks: <u>37.5 gravity @ 60 F</u>	Insurance
<u>30,000 ppm Chl</u>	
<u>RW: .23 ohm @ 70 F</u> <u>PH: 7.5</u>	Total

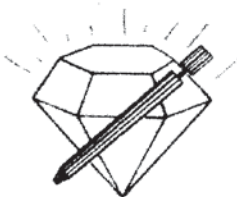
Time Set Packer(s) 03:30 A.M. P.M. Time Started Off Bottom 05:30 A.M. P.M. Maximum Temperature 121 F

Initial Hydrostatic Pressure..... (A) 2139 P.S.I.
Initial Flow Period..... Minutes 30 (B) 52 P.S.I. to (C) 274 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1017 P.S.I.
Final Flow Period..... Minutes 30 (E) 288 P.S.I. to (F) 437 P.S.I.
Final Closed In Period..... Minutes 30 (G) 1012 P.S.I.
Final Hydrostatic Pressure..... (H) 2106 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DST #1, BUHRLE #1, CHEROKEE SAND





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: BUHRLE DST 1

ON LOCATION: 23:45
 START RECORDERS: 00:46
 STOP RECORDERS: 08:22

Company RJM COMPANY Lease & Well No. BUHRLE #1
 Contractor SOUTHWIND DRW RIG #3 Charge to RJM COMPANY
 Elevation 2222 KB Formation CHEROKEE SAND Effective Pay _____ Ft. Ticket No. F435
 Date 8-7-16 Sec. 9 Twp. 20S Range 19W County PAWNEE State KANSAS
 Test Approved By JIM MUSGROVE Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 1 Interval Tested from 4140 ft. to 4192 ft. Total Depth 4192 ft.
 Packer Depth 4135 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4140 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4118 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4143 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 63 (1# LCM) Drill Collar Length 123 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 4000 P.P.M. Drill Pipe Length 3984 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number #5 J&S JNT Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 52 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 18' PERFORATIONS in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INC. TO BOB IN 5 MIN. BLOW BACK @ 1"
 2nd Open: BLOW INC. TO BOB IN 7 MIN. NO BLOWBACK.

Recovered <u>15</u> ft. of <u>CLEAN OIL</u>	<u>100" OIL</u>
Recovered <u>441</u> ft. of <u>M&OCW</u>	<u>10" OIL, 10" m, 80" w</u>
Recovered <u>252</u> ft. of <u>SOC MCW</u>	<u>4" OIL, 20" m, 76" w</u>
Recovered <u>252</u> ft. of <u>OIL SPECKED SMCW</u>	<u><1" OIL, 10" m, 789" w</u>
Recovered _____ ft. of <u>TOTAL RECOVERED FLUID = 945'</u>	Price Job
Recovered _____ ft. of <u>180' GAS IN PIPE</u>	Other Charges <u>J&S JNT</u>
Remarks: <u>30,000 PPM CHLORIDES</u>	<u>176 MRT (PRATT)</u>
<u>37 1/2 GRAVITY @ 60°F</u>	Total
<u>PH: 7 1/2</u>	
<u>RW: .23 @ 70°F</u>	

Time Set Packer(s) 03:30 A.M. P.M. Time Started Off Bottom 05:30 A.M. P.M. Maximum Temperature 121°F

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 Final Flow Period..... Minutes 30 (E) 288 P.S.I. to (F) 437 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 1012 P.S.I.
 Final Hydrostatic Pressure..... (H) 2106 P.S.I.

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DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

Cell: (620) 282-8977 / Office: (800) 542-7313



TEST INFORMATION

Well Name	Buhrle #1
Company Name	RJM Company
Formation	DST #1, Cherokee Sand, 4140'-4192'
Test Type	Bottom-Hole w/J&J
Surface Location	Sec 9-20s-19w-Pawnee-KS
KB Elevation (SL)	677.266
Gauge Name	5584
Start Test Date	2016/08/07
Start Test Time	00:46:00
Final Test Date	2016/08/07
Final Test Time	08:22:00
Job Number	F435
Contact	
Site Contact	Jim Musgrove

TEST RESULTS

Initial Flow, blow increased to BOB in 5 minutes. Blowback @ 1".
 Final Flow, blow increased to BOB in 7 minutes. No blowback.

TOTAL RECOVERED FLUID: 945'

15'	Clean Oil	100% o
441'	M&OCW	10% o, 10% m, 80% w
252'	SOC MCW	4% o, 20% m, 76% w
252'	Oil Specked SMCW	<1% o, 10% m, >89% w
-----	180' Gas In Pipe	
-----	37.5 gravity oil @ 60 F	
-----	30,000 PPM CHL	
-----	RW: .23 ohm @ 70 F	
-----	PH: 7.5	

DST #1, BUHRLE #1, CHEROKEE SAND

