



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON: 11:33
TIME OFF: 19:27

DRILL-STEM TEST TICKET
FILE: will1-29dst3

Company Mid-Continent Energy Lease & Well No. William #1-29
Contractor Val Rig #2 Charge to Mid-Continent Energy
Elevation 2718 Sur Formation _____ Lan. "L" Effective Pay _____ Ft. Ticket No. S0429
Date 1-2-14 Sec. 29 Twp. _____ 19 S Range _____ 27 W County _____ Lane _____ State KANSAS
Test Approved By Tom Pronold Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 4310 ft. to 4340 ft. Total Depth 4340 ft.

Packer Depth 4305 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4310 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4291 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4313 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.5 Water Loss 7.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 4,000 P.P.M. Drill Pipe Length 4277 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 30 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: 1/4" Blow- Built to 4 1/4" in 30 min **NOBB**

2nd Open: WSB- Built to 4 3/4" in 60 min **NOBB**

Recovered 20 ft. of SLOCHWCM 3% O 35% W 62% M

Recovered 62 ft. of HMCW 70% W 30% M

Recovered 82 ft. of TOTAL FLUID

Recovered _____ ft. of PH: 7

Recovered _____ ft. of RW: .25 @ 60 degrees F

Recovered _____ ft. of Chlorides: 35,000 ppm

Remarks:

Diesel in Bucket

Tool Sample: 1% O 81% W 18% M

Time Set Packer(s) 1:04 PM A.M. P.M. Time Started Off Bottom 5:19 PM A.M. P.M. Maximum Temperature 118

Initial Hydrostatic Pressure..... (A) 2097 P.S.I.

Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 25 P.S.I.

Initial Closed In Period..... Minutes 75 (D) 955 P.S.I.

Final Flow Period..... Minutes 60 (E) 27 P.S.I. to (F) 50 P.S.I.

Final Closed In Period..... Minutes 90 (G) 943 P.S.I.

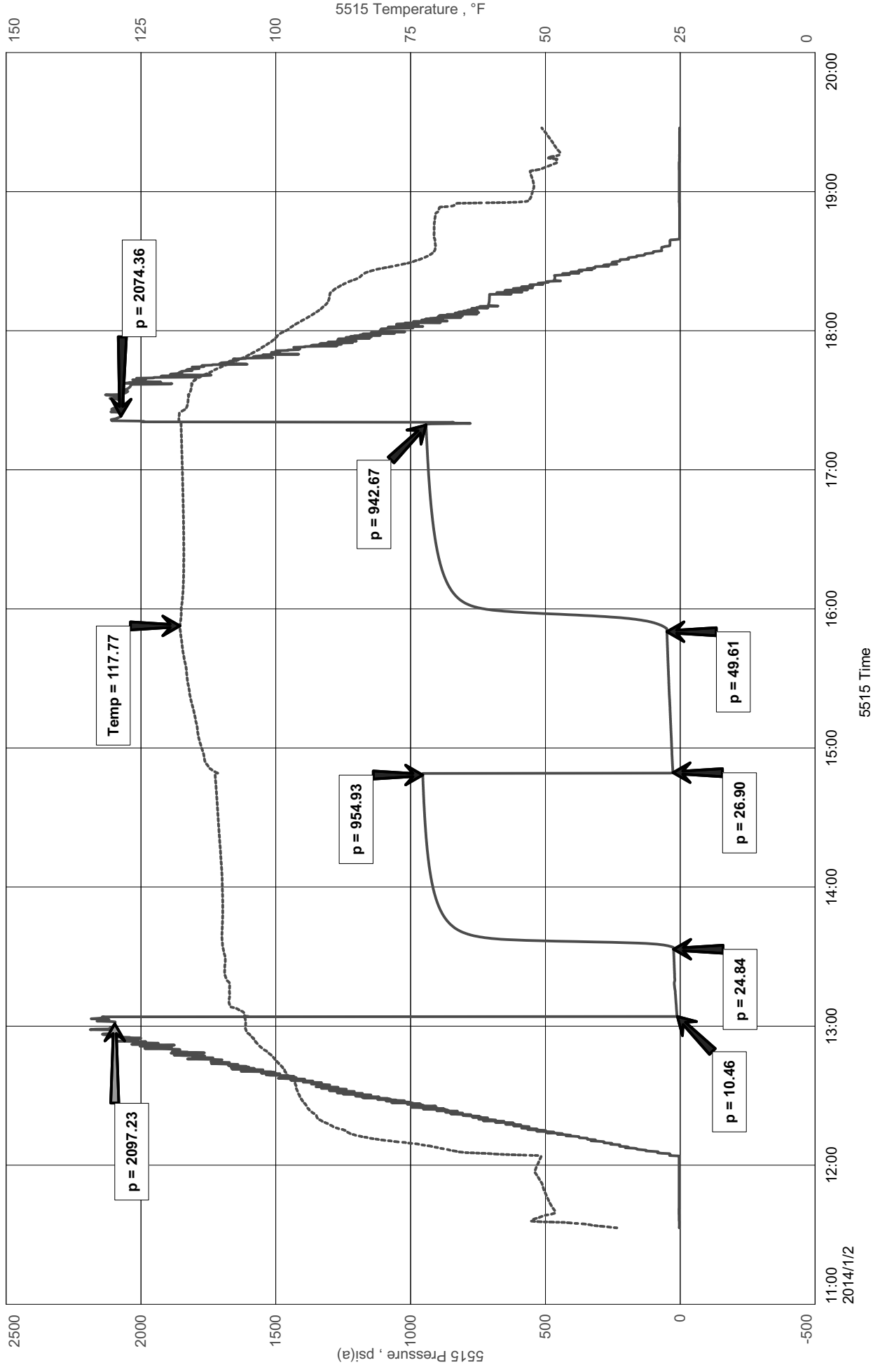
Final Hydrostatic Pressure..... (H) 2074 P.S.I.

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.

Mid-Continent Energy
DST #3 Lan. "K" 4310-4340'
Start Test Date: 2014/01/02
Final Test Date: 2014/01/02

William #1-29
Formation: DST #3 Lan. "K" 4310-4340'
Pool: WC
Job Number: S0429

William #1-29



Diamond Testing

General information Report

General Information

Company Name Mid-Continent Energy

Contact	Grant Canaday	Job Number	S0429
Well Name	William #1-29	Representative	Jacob McCallie
Unique Well ID	DST #3 Lan. "K" 4310-4340'	Well Operator	Mid-Continent Energy
Surface Location	SEC 29-19S-27W Lane County	Report Date	2014/01/02
Well License Number		Prepared By	Jacob McCallie
Field	WC		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Lan. "K" 4310-4340'		
Well Fluid Type	06 Water	Start Test Time	11:33:00
		Final Test Time	19:27:00
Start Test Date	2014/01/02		
Final Test Date	2014/01/02		
Gauge Name	5515		
Gauge Serial Number			

Test Results

RECOVERED:

20'	SLOCHWCM	3% O 35% W 62% M
62'	HMCW	70% W 30% M
82'	TOTAL FLUID	

PH: 7

RW: .25 @ 60 degrees F

Chlorides: 35,000 ppm

TOOL SAMPLE:

1% O 81% W 18% M