

DIAMOND TESTING

General Information Report

General Information

Company Name MID-CONTINENT ENERGY OPERATING COMPANY
Contact RUICHARD SAENZ
Well Name FRITZ UNIT #1-24
Unique Well ID DST #2 MISSISSIPPE 4,211' - 4,268'
Surface Location SEC 24-17S-22W NESS COUNTY, KS
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL DRILL-STEM TEST
Formation DST #2 MISSISSIPPI 4,211' - 4,268'
Well Fluid Type 01 Oil

Representative ROGER D. FRIEDLY
Well Operator MID-CONTINENT ENERGY OPERATING COMPANY
Report Date 2011/11/19
Prepared By ROGER D. FRIEDLY
Qualified By AUSTIN GARNER

Start Test Date 2011/11/18
Final Test Date 2011/11/19

Start Test Time 21:30:00
Final Test Time 07:30:00

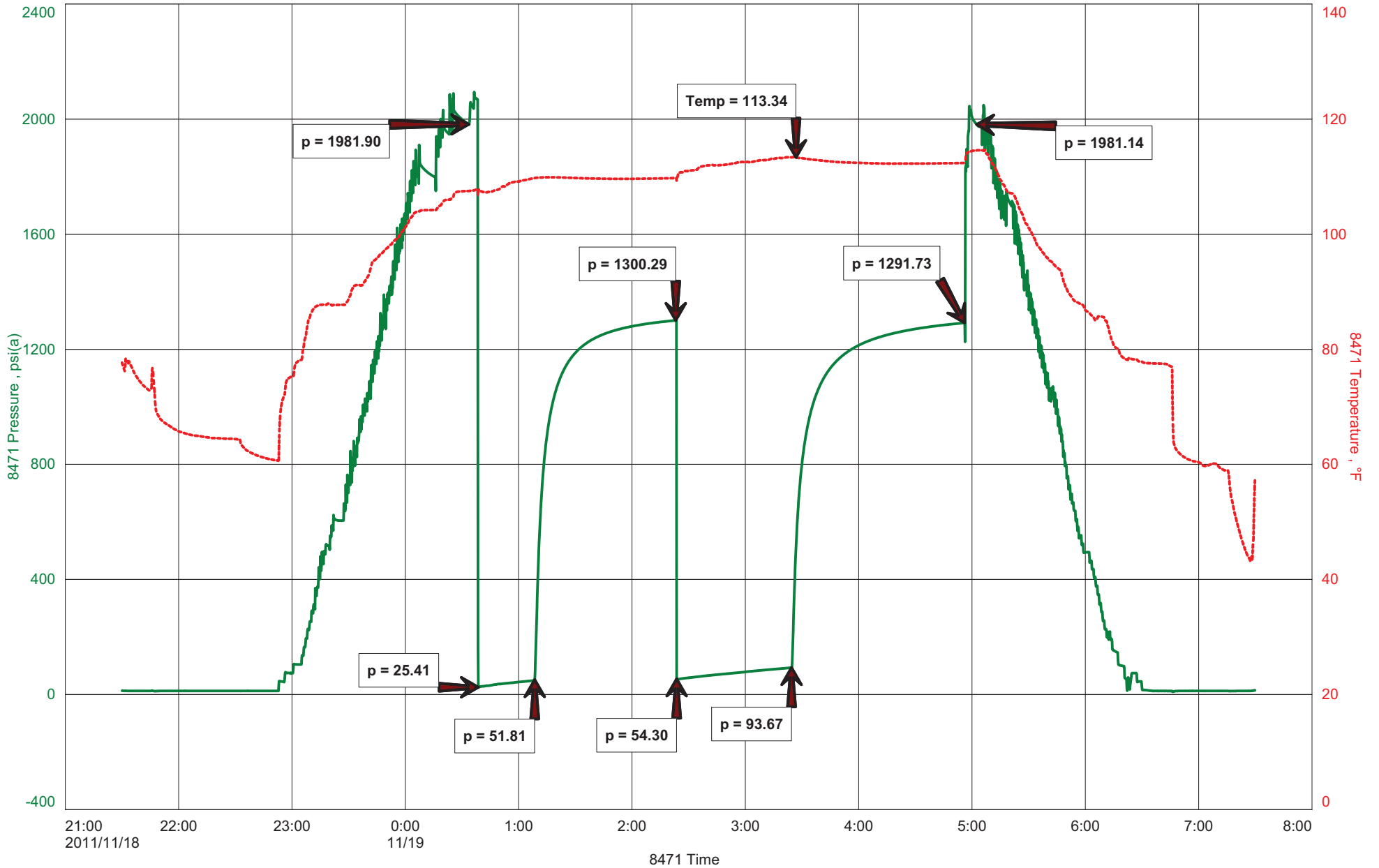
Test Recovery:

RECOVERED: 1' CLEAN OIL 36.4 GRAVITY @ 60 deg.
91' SLTOCM 2% OIL, 98% MUD
62' OCWM 2% OIL, 23% WTR, 74% MUD
154' TOTAL FLUID

TOOL SAMPLE: 8% OIL, 24% WTR, 68% MUD

CHLORIDES: 8,500 Ppm
PH: 8.0
RW: .64 @ 58 deg.

FRITZ UNIT #1-24





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: FRITZUNIT124DST2

TIME ON: 21:30 (11.18)
TIME OFF: 07:30(11.19)

Company MID-CONTINENT ENERGY OPERATING COMPANY Lease & Well No. FRITZ UNIT #1-24
Contractor VAL RIG #7 Charge to MID-CONTINENT ENERGY OPERATING COMPANY
Elevation 2,237 KB Formation MISSISSIPPI Effective Pay _____ Ft. Ticket No. _____
Date 11.19.11 Sec. 24 Twp. _____ 17 S Range _____ 22 W County NESS State KANSAS
Test Approved By AUSTIN GARNER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 4,211 ft. to 4,268 ft. Total Depth 4,268 ft.
Packer Depth 4,206 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4,211 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 4,192 ft. Recorder Number 8471 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) _____ 4,265 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,399 P.P.M. Drill Pipe Length 4,178 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 57 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP IN ANCHOR Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO 5 3/4" (NOBB)
2nd Open: WEAK 1/4" BLOW INCREASING TO 7" (NOBB)

Recovered <u>1</u> ft. of <u>CLEAN OIL 36.4 GRAVITY @ 60 deg</u>	
Recovered <u>91</u> ft. of <u>SLTOCM 2% OIL, 98% MUD</u>	
Recovered <u>62</u> ft. of <u>OCWM 2% OIL, 24% WTR, 74% MUD</u>	
Recovered <u>154</u> ft. of <u>TOTAL FLUID</u>	<u>CHLORIDES 8,500 Ppm</u>
Recovered _____ ft. of _____	<u>PH 8.0</u>
Recovered _____ ft. of _____	<u>RW: .64 @ 58 deg</u>
Remarks: _____	<u>Insurance</u>
<u>TOOL SAMPLE: 8% OIL, 24% WTR, 68% MUD</u>	<u>Total</u>

Time Set Packer(s) 12:39 A.M. A.M. P.M. Time Started Off Bottom 4:54 A.M. A.M. P.M. Maximum Temperature 113
Initial Hydrostatic Pressure..... (A) 1,981 P.S.I.
Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period..... Minutes 75 (D) 1,300 P.S.I.
Final Flow Period..... Minutes 60 (E) 54 P.S.I. to (F) 94 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1,292 P.S.I.
Final Hydrostatic Pressure..... (H) 1,981 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.