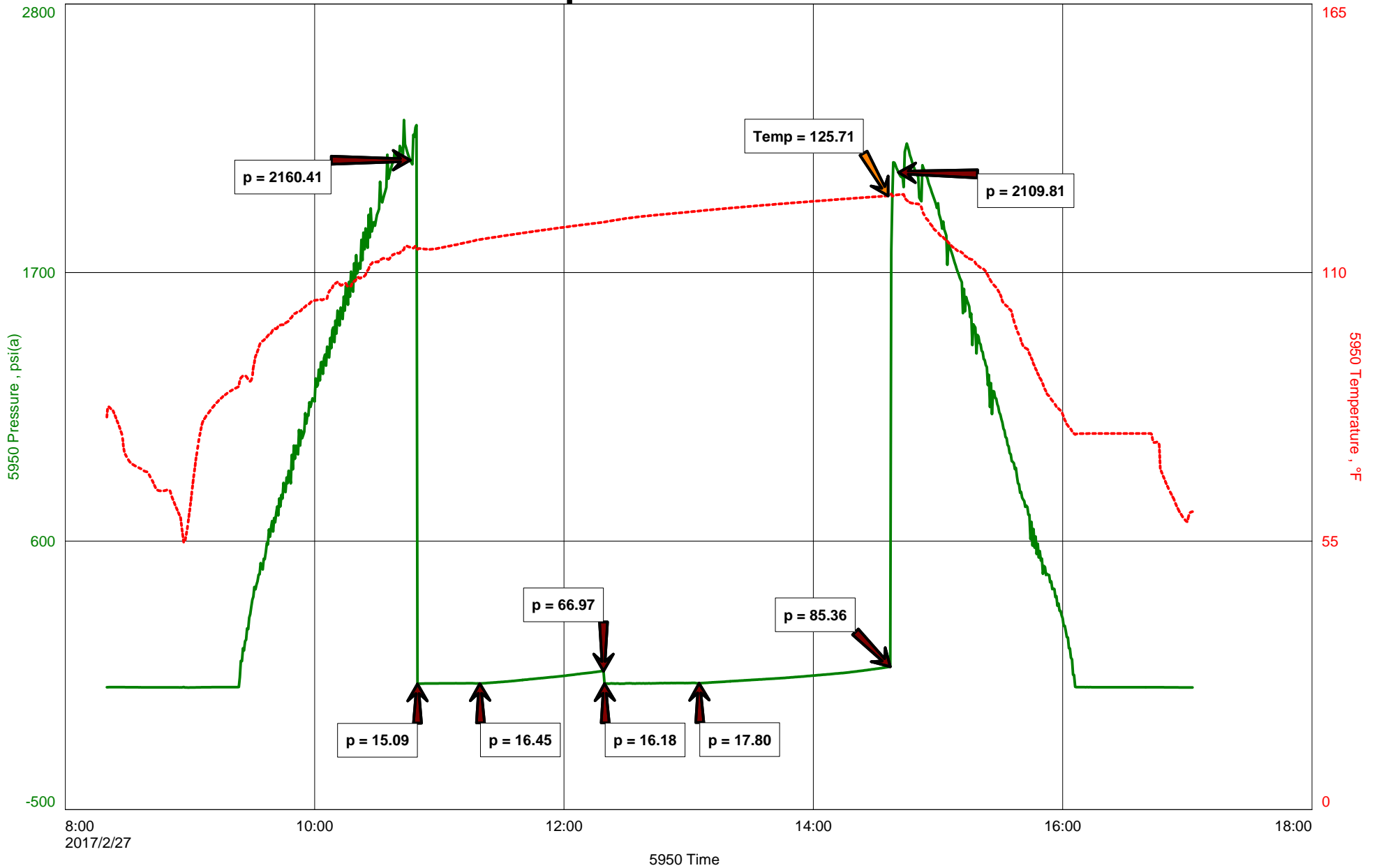


Carpenter Trust #1-9





Hoisington, Kansas

Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw

Well Name Carpenter Trust #1-9

Unique Well ID Dst #4 Marmaton 4538-4570'

Surface Location Sec 9-7s-36w Thomas County

Field Wildcat

Well Type Vertical

Test Type Drill Stem Test

Well Operator Gulf Exploration LLC

Formation Dst #4 Marmaton 4538-4570'

Well Fluid Type 01 Oil

Test Purpose Initial Test

Start Test Date 2017/02/27

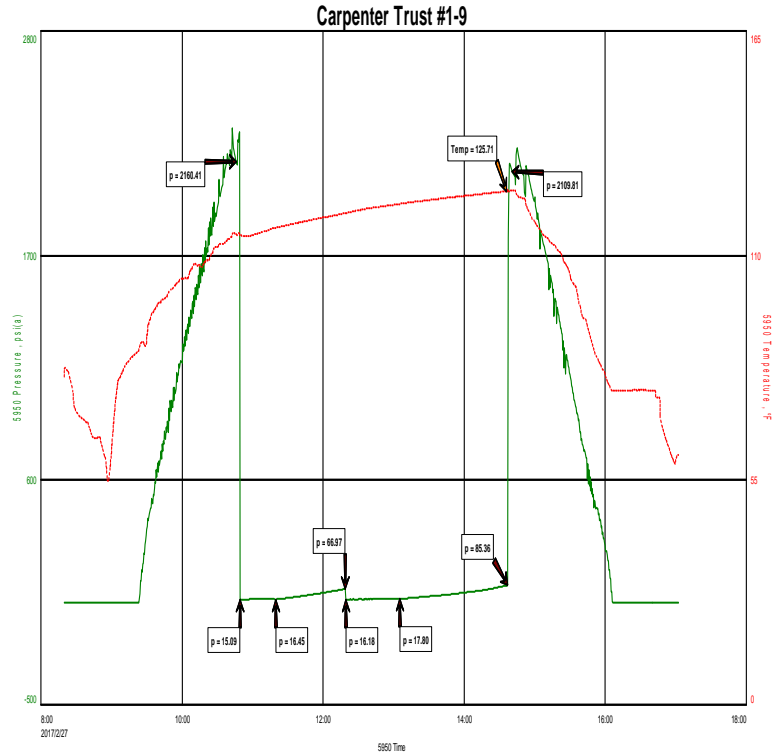
Start Test Time 08:20:00

Final Test Time 17:02:00

Job Number P0168

Report Date 2017/02/27

Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery: 5' OCM 25%O 75%M

Total Fluid: 5'

Sampler Recovery: 500ML Oil 3500ML Mud
 PSI: 25



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

TIME ON: 0820
TIME OFF: 1702

DRILL-STEM TEST TICKET
FILE: CARPENTERTRUST#1-9DST#4

Company GULF EXPLORATION LLC Lease & Well No. CARPENTER TRUST #1-9
Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC
Elevation 3384KB Formation MARMATON Effective Pay _____ Ft. Ticket No. P0168
Date 2-27-17 Sec. 15 Twp. 7 S Range 35 W County THOMAS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 4 Interval Tested from 4538 ft. to 4570 ft. Total Depth 4570 ft.

Packer Depth 4532 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4538 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4522 ft. Recorder Number 5950 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 4542 ft. Recorder Number 0230 Cap. 5000 P.S.I.

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

Mud Type Chem Viscosity 60 Drill Collar Length 187 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 8.1 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 1900 P.P.M. Drill Pipe Length 4314 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 11 Test Tool Length 37 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 32 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: WSB-BUILT TO 1 1/4" IN 30 MINUTES NOBB

2nd Open: WSB-BUILT TO 1/4" IN 45 MINUTES NOBB

Recovered 5 ft. of OCM 25%O 75%M

Recovered 5 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: SAMPLER RECOVERY: 500ML OIL 3500ML MUD

PSI: 25

Time Set Packer(s) 10:45 A.M. A.M. Time Started Off Bottom 2:30 P.M. P.M. Maximum Temperature 126

Initial Hydrostatic Pressure..... (A) 2160 P.S.I.

Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 16 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 67 P.S.I.

Final Flow Period..... Minutes 45 (E) 16 P.S.I. to (F) 18 P.S.I.

Final Closed In Period..... Minutes 90 (G) 85 P.S.I.

Final Hydrostatic Pressure..... (H) 2110 P.S.I.

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>PSI: 25</u>	Total

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.