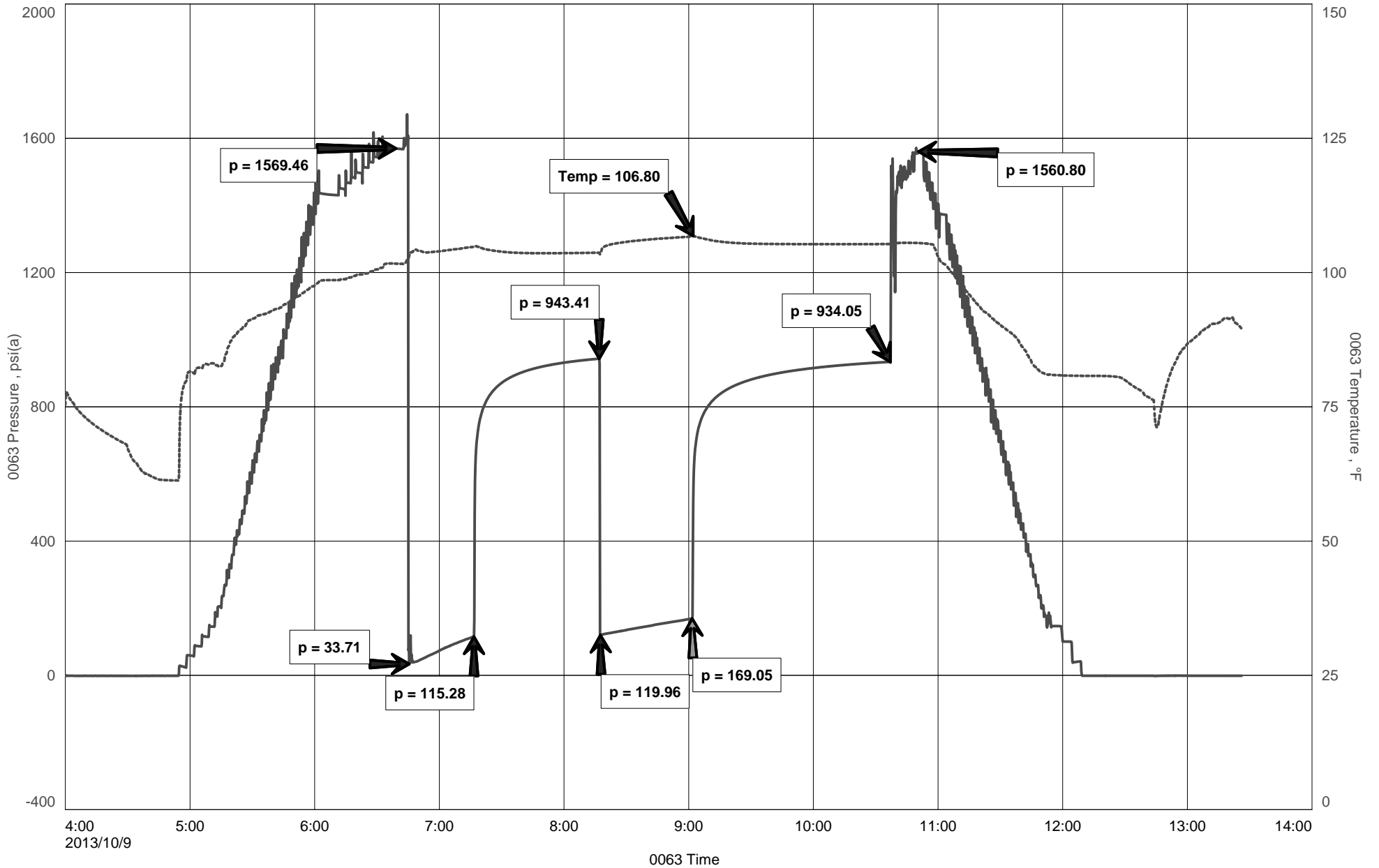


RAYMOND OIL COMPANY
DST#1 3243-3260 DEER CREEK
Start Test Date: 2013/10/09
Final Test Date: 2013/10/09

BROBST-MORRIS #1
Formation: DST#1 3243-3260 DEER CREEK
Pool: WILDCAT
Job Number: M559

BROBST-MORRIS #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRBST-MRRS1DST1

TIME ON: 0400
TIME OFF: 1625

Company RAYMOND OIL COMPANY Lease & Well No. BROBST-MORRIS #1
Contractor H2 RIG2 Charge to RAYMOND OIL COMPANY
Elevation 2190 GL EST Formation DEER CREEK Effective Pay _____ Ft. Ticket No. M559
Date 10/9/2013 Sec. 12 Twp. 6 S Range 21 W County GRAHAM State KANSAS
Test Approved By PAT BALTHAZOR Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3243 ft. to 3260 ft. Total Depth 3260 ft.
Packer Depth 3238 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3243 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3232 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3257 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 61 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 5.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 500 P.P.M. Drill Pipe Length 2982 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 17 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: GSB, BUILT TO 9" (NO BB)
2nd Open: VVWSB, INCREASED TO 9 1/2" (NO BB)

Recovered 345 ft. of VSOSGMW 1% GAS, 95% WTR, 4% MUD W/ A FEW SPECKS OF OIL
Recovered 345 ft. of TOTAL FLUID (109' DP, 236' DC)
Recovered _____ ft. of _____
Recovered _____ ft. of CHLOR: 61,000 PPM

| | |
|--|---------------|
| Recovered _____ ft. of <u>RW: .12 @ 83 DEG</u> | Price Job |
| Recovered _____ ft. of <u>PH:7.0</u> | Other Charges |
| Remarks: <u>TOOL SLID ~10'</u> | Insurance |
| <u>TOOL SAMPLE: 99% WTR, 1% MUD, W/ A FEW SPOTS OF OIL</u> | Total |

Time Set Packer(s) 6:45 A.M. A.M. P.M. Time Started Off Bottom 10:30 A.M. A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) 1569 P.S.I.
Initial Flow Period..... Minutes 30 (B) 34 P.S.I. to (C) 115 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 943 P.S.I.
Final Flow Period..... Minutes 45 (E) 120 P.S.I. to (F) 169 P.S.I.
Final Closed In Period..... Minutes 90 (G) 934 P.S.I.
Final Hydrostatic Pressure..... (H) 1561 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.