

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M561
Well Name	BROBST-MORRIS #1	Representative	MIKE COCHRAN
Unique Well ID	DST#3 3498-3556 LKC F&G ZONES	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.12-5S-21W GRAHAM CO.KS.	Report Date	2013/10/11
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	PAT BALTHAZOR
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3498-3556 LKC F&G ZONES		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/11	Start Test Time	10:00:00
Final Test Date	2013/10/11	Final Test Time	17:25:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

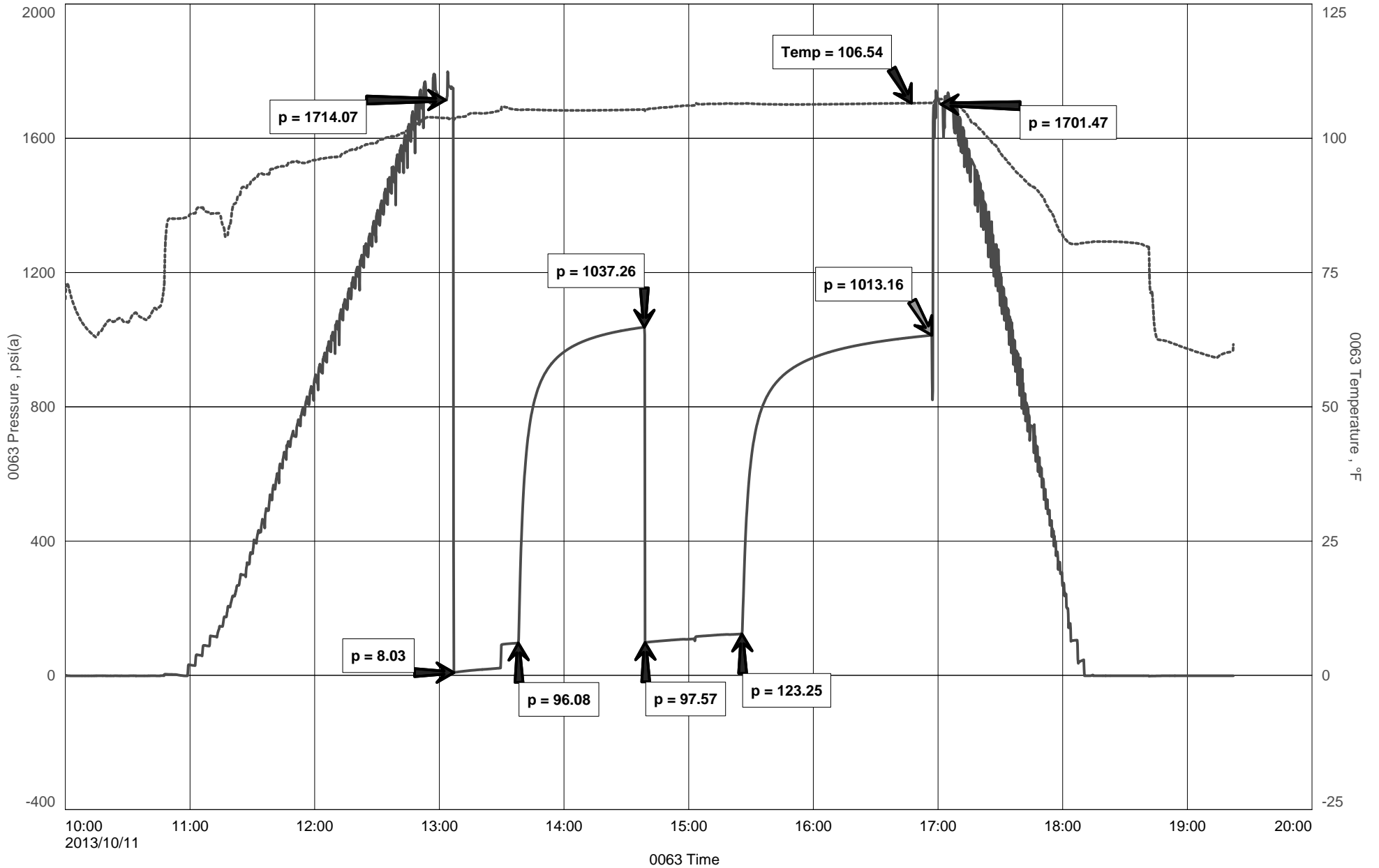
Remarks RECOVERED:
205' DM 100% MUD
205' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ A (1) SPOT OF OIL

RAYMOND OIL COMPANY
DST#3 3498-3556 LKC F&G ZONES
Start Test Date: 2013/10/11
Final Test Date: 2013/10/11

BROBST-MORRIS #1
Formation: DST#3 3498-3556 LKC F&G ZONES
Pool: WILDCAT
Job Number: M561

BROBST-MORRIS #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRBST-MRRS1DST3

TIME ON: 10:00
TIME OFF: 1925

Company Raymond Oil Company, Inc. Lease & Well No. BROBST-MORRIS #1
Contractor H2 RIG2 Charge to RAYMOND OIL COMPANY, INC.
Elevation 2190 GL EST Formation LKC F&G ZONES Effective Pay _____ Ft. Ticket No. M561
Date 10/11/2013 Sec. 12 Twp. _____ 6 S Range _____ 21 W County GRAHAM State KANSAS
Test Approved By PAT BALTHAZOR Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3498 ft. to 3556 ft. Total Depth 3556 ft.
Packer Depth 3493 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3498 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3487 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3553 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 50 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 5.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,000 P.P.M. Drill Pipe Length 3237 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 58 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' D.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, THEN MAINTAINED A WEAK INTERMITTENT SB, SEE REMARKS (NO BB)
2nd Open: NO BLOW THEN AFTER ~17 MIN A WEAK INTERMITTENT SB, SEE REMARKS (NO BB)

Recovered 205 ft. of DM 100% MUD
Recovered 205 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of FLUSH TOOL @20 MIN INITIAL FLOW, A STRONG 7" SURGE OF BUBBLES
Recovered _____ ft. of THEN AN INTERMITTENT BLOW AS BEFORE. Price Job _____
Recovered _____ ft. of _____ Other Charges _____
Remarks: FLUSH TOOL @22 MIN FINAL FLOW, A 1" SURGE OF BUBBLES(DIFFERENT DRILLER) Insurance _____
THEN AN INTERMITTENT BLOW AS BEFORE.
TOOL SAMPLE: 100% MUD W/ A (1) SPOT OF OIL Total _____

Time Set Packer(s) 1:15 P.M. A.M. P.M. Time Started Off Bottom 5:00 P.M. A.M. P.M. Maximum Temperature 107°F
Initial Hydrostatic Pressure..... (A) 1714 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 96 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1037 P.S.I.
Final Flow Period..... Minutes 45 (E) 98 P.S.I. to (F) 123 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1013 P.S.I.
Final Hydrostatic Pressure..... (H) 1701 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.