

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M560
Well Name	BROBST-MORRIS #1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3455-3518 LKC B-C-D-E ZONES	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.12-6S-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#2 3455-3518 LKC B-C-D-E ZONES		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/10	Start Test Time	16:10:00
Final Test Date	2013/10/11	Final Test Time	01:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

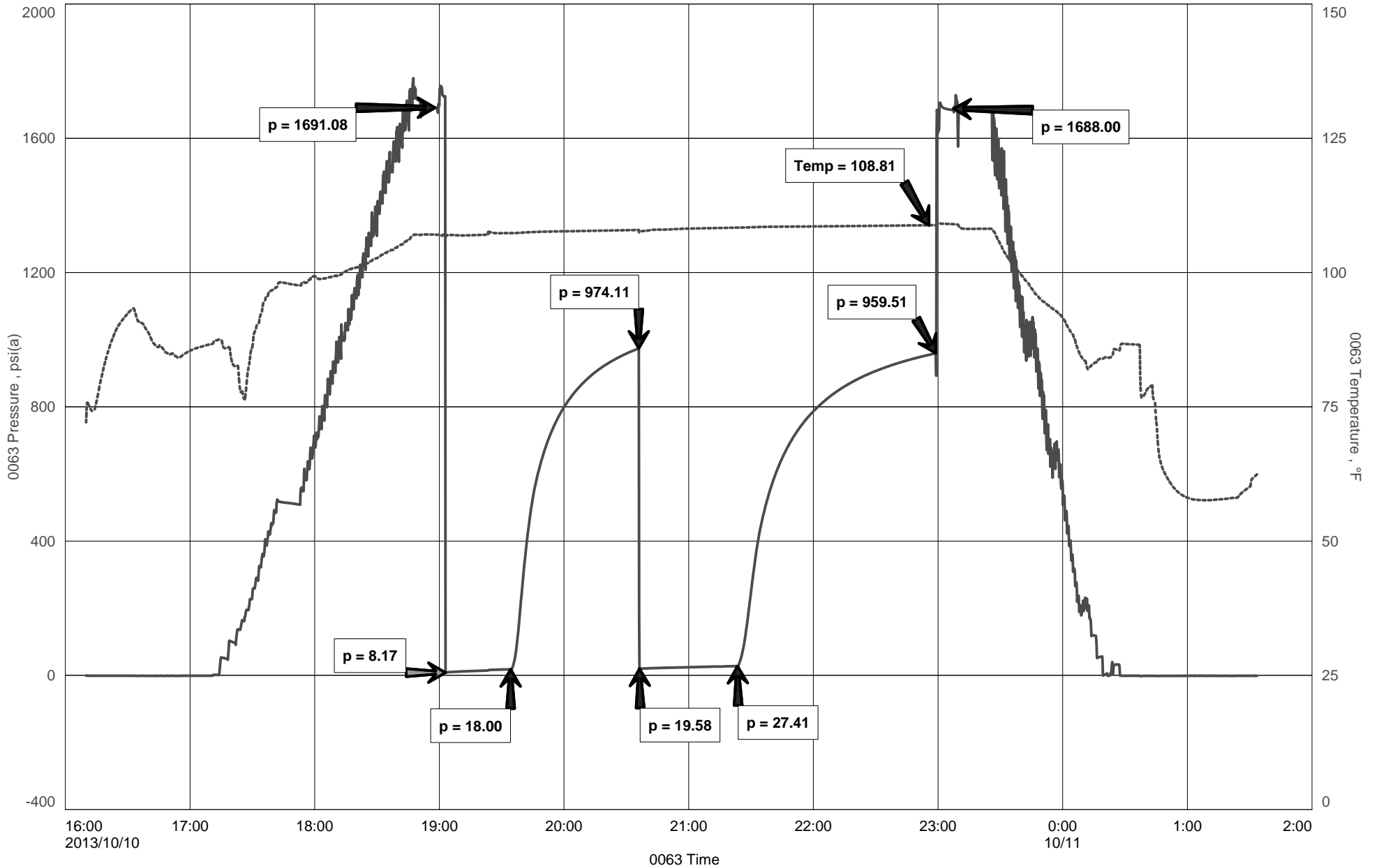
Remarks RECOVERED:
15' DM 100% MUD
15' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ SOME SPOTS OF OIL

RAYMOND OIL COMPANY
DST#2 3455-3518 LKC B-C-D-E ZONES
Start Test Date: 2013/10/10
Final Test Date: 2013/10/11

BROBST-MORRIS #1
Formation: DST#2 3455-3518 LKC B-C-D-E ZONES
Pool: WILDCAT
Job Number: M560

BROBST-MORRIS #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRBST-MRRS1DST2

TIME ON: 1610 (10/10)
TIME OFF: 0135 (10/11)

Company RAYMOND OIL COMPANY Lease & Well No. BROBST-MORRIS #1
Contractor H2 RIG2 Charge to RAYMOND OIL COMPANY
Elevation 2190 GL EST Formation LKC B-C-D-E ZONES Effective Pay _____ Ft. Ticket No. M560
Date 10/10/2013 Sec. 12 Twp. _____ 6 S Range _____ 21 W County GRAHAM State KANSAS
Test Approved By PAT BALTHAZOR Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3455 ft. to 3518 ft. Total Depth 3518 ft.
Packer Depth 3450 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3455 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3444 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3515 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 57 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 3194 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 63 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (31' DP) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, THEN MAINTAINED A WEAK INTERMITTENT SB FOR 9 MIN THAT DIED AFTER 11 MIN (NO BB)
2nd Open: A SURGE OF BUBBLES ON TOOL OPEN THEN NO BLOW (NO BB)

Recovered <u>15</u> ft. of <u>DM 100% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>15</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: <u>FLUSH TOOL @20 MIN INITIAL FLOW, A SURGE OF BUBBLES, NO HELP</u>	
<u>TOOL SAMPLE: 100% MUD W/ SOME SPOTS OF OIL</u>	

Time Set Packer(s) 7:00 P.M. ^{A.M.} P.M. Time Started Off Bottom 10:45 P.M. ^{A.M.} P.M. Maximum Temperature 109
Initial Hydrostatic Pressure..... (A) 1691 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 18 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 974 P.S.I.
Final Flow Period..... Minutes 45 (E) 20 P.S.I. to (F) 27 P.S.I.
Final Closed In Period..... Minutes 90 (G) 960 P.S.I.
Final Hydrostatic Pressure..... (H) 1688 P.S.I.

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