



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRBST-MRRS1DST5

TIME ON: 0440
TIME OFF: 1510

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 REGAN SAND Effective Pay _____ Ft. Ticket No. M563
Date 10/13/2013 Sec. 12 Twp. 6 S Range 21 W County GRAHAM State KANSAS
Test Approved By PAT BALTHAZOR Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 3672 ft. to 3686 ft. Total Depth 3686 ft.
Packer Depth 3667 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3672 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3661 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3683 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 49 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,600 P.P.M. Drill Pipe Length 3411 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 YES Anchor Length 14 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: SSB, BOB 42 SEC. (NO BB)
2nd Open: GSB, BOB 3 MIN (NO BB)

Recovered 2335 ft. of SGMW ~1% GAS, 98% WTR, ~1% MUD
Recovered 2335 ft. of TOTAL FLUID (2099 DP, 236' DC)
Recovered _____ ft. of _____
Recovered _____ ft. of CHLOR: 49,000 PPM

Recovered _____ ft. of <u>RW: .25 @ 72 DEG</u>	Price Job
Recovered _____ ft. of <u>PH: 7.5</u>	Other Charges
Remarks: <u>TOOL SLID ~5'</u> <u>DROPPED BAR @ 2178</u>	Insurance
<u>TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME GASSY BUBBLES</u>	Total

Time Set Packer(s) 7:00 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 10:30 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 116°F

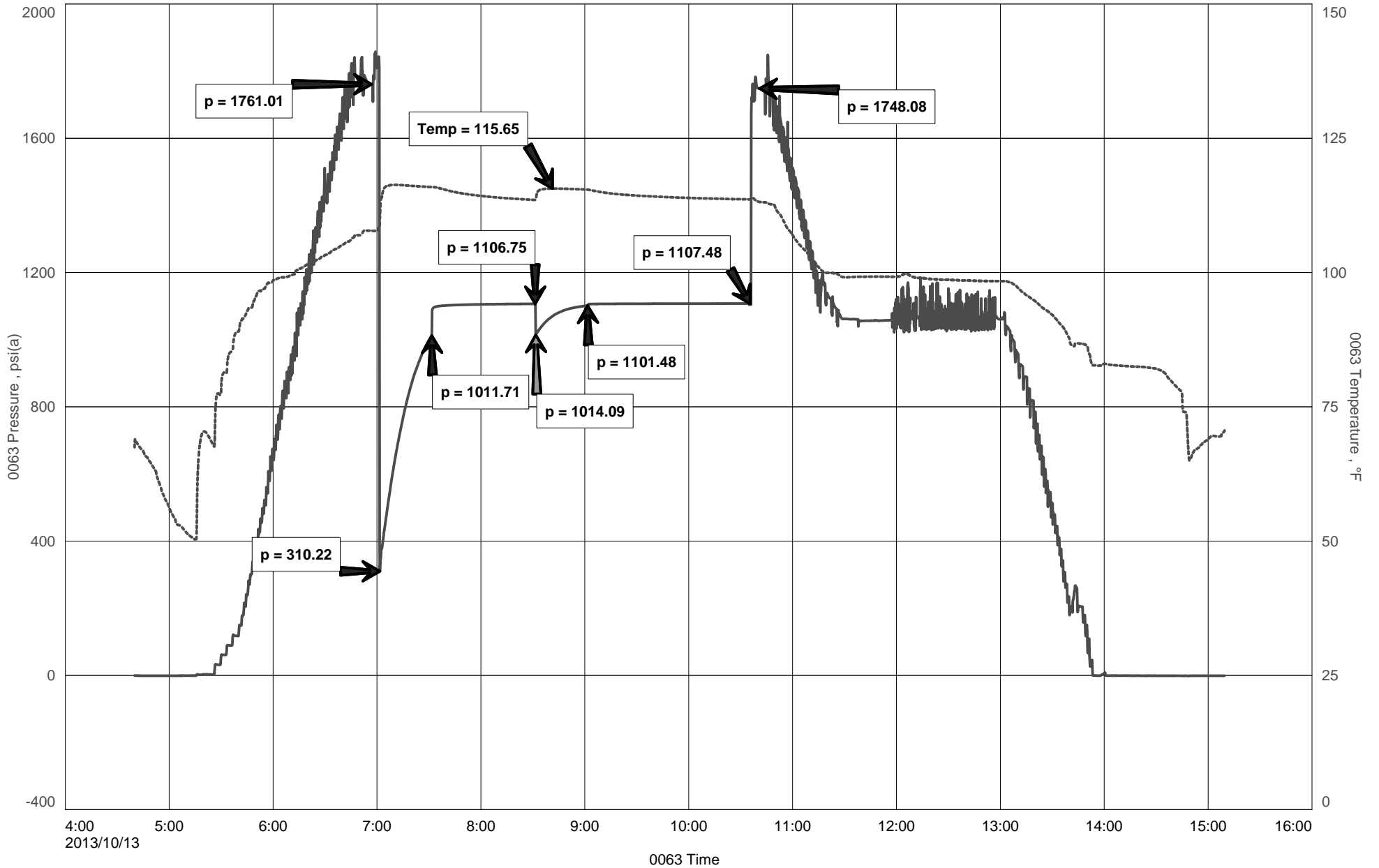
Initial Hydrostatic Pressure..... (A) 1761 P.S.I.
Initial Flow Period..... Minutes 30 (B) 310 P.S.I. to (C) 1012 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1107 P.S.I.
Final Flow Period..... Minutes 30 (E) 1014 P.S.I. to (F) 1101 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1107 P.S.I.
Final Hydrostatic Pressure..... (H) 1748 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.

RAYMOND OIL COMPANY
DST#5 3672-3686 REGAN SAND
Start Test Date: 2013/10/13
Final Test Date: 2013/10/13

BROBST-MORRIS #1
Formation: DST#5 3672-3686 REGAN SAND
Pool: WILDCAT
Job Number: M563

BROBST-MORRIS #1



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M563
Well Name	BROBST-MORRIS #1	Representative	MIKE COCHRAN
Unique Well ID	DST#5 3672-3686 REGAN SAND	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.12-5S-21W GRAHAM CO.KS.	Report Date	2013/10/13
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	PAT BALTHAZOR
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 3672-3686 REGAN SAND		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/13	Start Test Time	04:40:00
Final Test Date	2013/10/13	Final Test Time	15:10:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks	RECOVERED: 2335' SGMW ~1% GAS,98% WTR, ~1% MUD 2335' TOTAL FLUID	Gauge Name	0063
		Gauge Serial Number	
		Run Depth (TVD KB)	
		Pressure at Run Depth	
		Pressure at MPP	
		Temperature at Run Depth	

CHLOR: 49,000 PPM
PH:7.0
RW: .25 @ 72 DEG

TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME GASSY BUBBLES