DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY, INC.	Job Number	M695
Well Name	#1 AFI-BISCHOPING UNIT	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4275-4290 LANS 'A'	Well Operator	RAYMOND OIL COMPANY, INC.
Surface Location	SEC.19-3S-36W RAWLINS CO.KS.	Report Date	2014/08/24
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL
Formation	DST#1 4275-4290 LANS 'A'
Test Purpose (AEUB)	Initial Test

Start Test Date	2014/08/23	Start Test Time	23:45:00
Final Test Date	2014/08/24	Final Test Time	09:35:00
		Well Fluid Type	01 Oil

Gauge Name	0063
Gauge Serial Number	

Test Results

Remarks **RECOVERED:**

<1' DM 100% MUD W/ A VERY SLIGHT ODOR

<1' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ SOME GASSY BUBBLES

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

TIME ON: 2345 (8/23)
TIME OFF: 0835 (8/24)

DRILL-STEM TEST TICKET
FILE: 1AFI-BCPNGUNTDST1

Company RAYMOND OIL COMPANY, INC. Lease & Well No. #1 AFI-BISCHOPING UNIT

Contractor L.D.DRILLING,INC.RIG 1 Charge to RAYMOND OIL COMPANY, INC.

Elevation 3364 KB Formation LANS 'A' Effective Pay _____ Ft. Ticket No. M695

Date 8/23/2014 Sec. 19 Twp. 3 S Range 36 W County RAWLINS State KANSAS

Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4275 ft. to 4290 ft. Total Depth 4290 ft.

Packer Depth 4270 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 4275 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4257 ft. Recorder Number 0063 Cap. 6,000 P.S.I.

Bottom Recorder Depth (Outside) 4277 ft. Recorder Number E1150 Cap. 5,000 P.S.I.

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

Mud Type CHEM Viscosity 61 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,000 P.P.M. Drill Pipe Length 4243 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 15 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 ¼" (NO BB)

2nd Open: VWSB THAT DIED IN 3 MIN (NO BB)

Recovered <1 ft. of DM 100% MUD W/ A VERY SLIGHT ODOR

Recovered <1 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% MUD W/ SOME GASSY BUBBLES

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 2:45 A.M. A.M. P.M. Time Started Off Bottom 6:15 A.M. A.M. P.M. Maximum Temperature 129°F

Initial Hydrostatic Pressure..... (A) 2012 P.S.I.

Initial Flow Period..... Minutes 30 (B) 5 P.S.I. to (C) 13 P.S.I.

Initial Closed In Period..... Minutes 60 (D) 218 P.S.I.

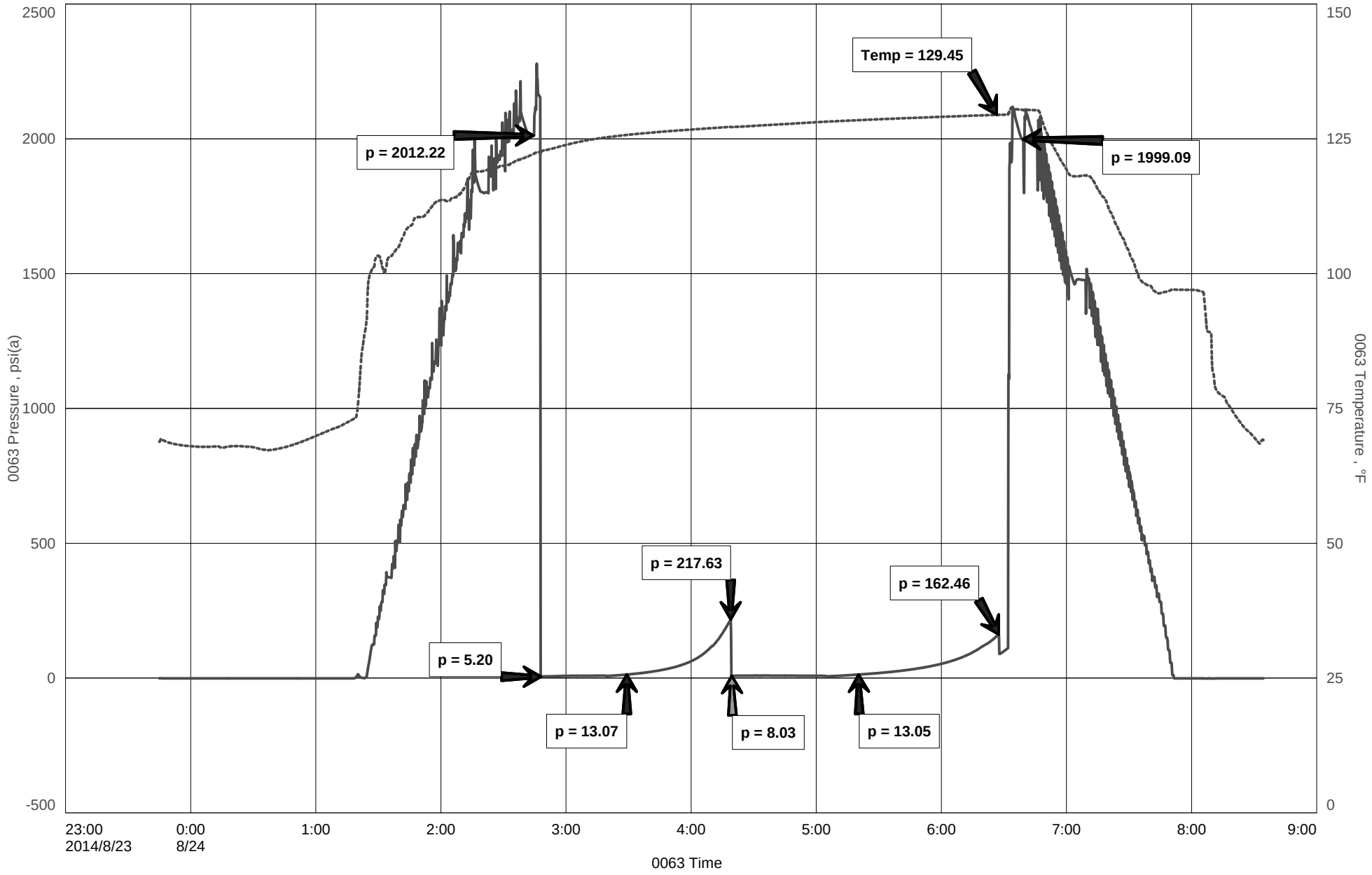
Final Flow Period..... Minutes 45 (E) 8 P.S.I. to (F) 13 P.S.I.

Final Closed In Period..... Minutes 75 (G) 162 P.S.I.

Final Hydrostatic Pressure..... (H) 1999 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, INC.
DST#1 4275-4290 LANS 'A'
Start Test Date: 2014/08/23
Final Test Date: 2014/08/24

#1 AFI-BISCHOPING UNIT
Formation: DST#1 4275-4290 LANS 'A'
Pool: WILDCAT
Job Number: M695

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