



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BRBST-MRRS1DST4

TIME ON: 0840
TIME OFF: 1845

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 H,I,J,K&L ZONES Effective Pay _____ Ft. Ticket No. M562
Date 10/12/2013 Sec. 12 Twp. _____ 6 S Range _____ 21 W County GRAHAM State KANSAS
Test Approved By PAT BALTHAZOR Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 3541 ft. to 3636 ft. Total Depth 3636 ft.
Packer Depth 3536 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3633 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3530 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3633 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 58 Drill Collar Length 236 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,100 P.P.M. Drill Pipe Length 3280 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 95 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' D.P.PERF.31'DP} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INCREASE TO 3/4 THEN AFTER ~19 MIN DIMINISHING (NO BB)
2nd Open: NO BLOW THEN AFTER 18 MIN A VERY VERY WSB (NO BB)

Recovered <u>60</u> ft. of <u>DM 100% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>60</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
TOOL SAMPLE: <u>100% MUD</u>	

Time Set Packer(s) 12:30 P.M. ^{A.M.} P.M. Time Started Off Bottom 4:15 P.M. ^{A.M.} P.M. Maximum Temperature 109°F
Initial Hydrostatic Pressure..... (A) 1711 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 24 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 840 P.S.I.
Final Flow Period..... Minutes 45 (E) 26 P.S.I. to (F) 38 P.S.I.
Final Closed In Period..... Minutes 90 (G) 746 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RAYMOND OIL COMPANY	Job Number	M562
Well Name	BROBST-MORRIS #1	Representative	MIKE COCHRAN
Unique Well ID	DST#4 3541-3636 LKC H,I,J,K&L ZONES	Well Operator	RAYMOND OIL COMPANY
Surface Location	SEC.12-5S-21W GRAHAM CO.KS.	Report Date	2013/10/12
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	PAT BALTHAZOR
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 3541-3636 LKC H,I,J,K&L ZONES		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/10/12	Start Test Time	08:40:00
Final Test Date	2013/10/12	Final Test Time	18:45:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

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

TOOL SAMPLE: 100% MUD

RAYMOND OIL COMPANY
DST#4 3541-3636 LKC H,I,J,K&L ZONES
Start Test Date: 2013/10/12
Final Test Date: 2013/10/12

BROBST-MORRIS #1
Formation: DST#4 3541-3636 LKC H,I,J,K&L ZONES
Pool: WILDCAT
Job Number: M562

BROBST-MORRIS #1

