



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: GR-RD1DST1

TIME ON: 2135 (2/18)
 TIME OFF: 0550 (2/19)

Company L.D. DRILLING, INC. Lease & Well No. GRAU-REED #1
 Contractor SUMMIT DRILLING COMPANY RIG 1 Charge to L.D. DRILLING, INC.
 Elevation 1203 KB Formation HUNTON Effective Pay _____ Ft. Ticket No. M616
 Date 2/18/2014 Sec. 27 Twp. _____ 6 S Range _____ 12E W County JACKSON State KANSAS
 Test Approved By GEORGE PETERSON Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 2860 ft. to 2892 ft. Total Depth 2892 ft.
 Packer Depth 2855 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
 Packer Depth 2860 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2847 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) 2889 ft. Recorder Number 6884 Cap. 5,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 52 Drill Collar Length 314 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,000 P.P.M. Drill Pipe Length 2519 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 3/4XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1 1/2" RIGHT AWAY, BUILT TO 3" (NO BB)
 2nd Open: WSB, INCREASE TO 1 1/2" (NO BB)

Recovered <u>63</u> ft. of <u>DM 100% MUD</u>	Price Job Other Charges Insurance Total
Recovered <u>63</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: <u>TOOL SLID 15'</u>	
TOOL SAMPLE: <u>100% MUD</u>	

Time Set Packer(s) 1:30 A.M. A.M. P.M. Time Started Off Bottom 3:00A.M. A.M. P.M. Maximum Temperature 107°F

Initial Hydrostatic Pressure..... (A) 1383 P.S.I.
 Initial Flow Period..... Minutes 15 (B) 23 P.S.I. to (C) 34 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 1011 P.S.I.
 Final Flow Period..... Minutes 15 (E) 34 P.S.I. to (F) 44 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 1003 P.S.I.
 Final Hydrostatic Pressure..... (H) 1374 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	L.D. DRILLING, INC.	Job Number	M616
Well Name	GRAU-REED #1	Representative	MIKE COCHRAN
Unique Well ID	GRAU-REED #1 DST#1	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.27-6S-13E JACKSON CO.KS.	Report Date	2014/02/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	GEORGE PETERSON
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	GRAU-REED #1 DST#1		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/02/18	Start Test Time	21:35:00
Final Test Date	2014/02/19	Final Test Time	05:50:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

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

TOOL SAMPLE: 100% MUD

L.D. DRILLING, INC.
GRAU-REED #1 DST#1
Start Test Date: 2014/02/18
Final Test Date: 2014/02/19

GRAU-REED #1
Formation: GRAU-REED #1 DST#1
Pool: WILDCAT
Job Number: M616

GRAU-REED #1

