



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GR-RD1DST2

TIME ON: 1005
TIME OFF: 1900

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 SIMPSON DOLO-SS Effective Pay _____ Ft. Ticket No. M617
Date 2/23/2014 Sec. 27 Twp. _____ 6 S Range _____ 12E W County JACKSON State KANSAS
Test Approved By GEORGE PETERSEN Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3530 ft. to 3570 ft. Total Depth 3570 ft.
Packer Depth 3525 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 3530 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3518 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3567 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 47 Drill Collar Length 314 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,000 P.P.M. Drill Pipe Length 3189 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 40 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: A FEW BUBBLES ON TOOL OPEN THEN A VERY WEAK INTERMITTENT SB (NO BB)
2nd Open: NO BLOW (NO BB)

Recovered <u><1</u> ft. of <u>DM 100%</u>	
Recovered <u><1</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% DM</u>	Total

Time Set Packer(s) 2:00 P.M. A.M. P.M. Time Started Off Bottom 3:15 P.M. A.M. P.M. Maximum Temperature 113°F

Initial Hydrostatic Pressure..... (A) 1732 P.S.I.
Initial Flow Period..... Minutes 15 (B) 14 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 18 P.S.I.
Final Flow Period..... Minutes 10 (E) 14 P.S.I. to (F) 15 P.S.I.
Final Closed In Period..... Minutes 20 (G) 16 P.S.I.
Final Hydrostatic Pressure..... (H) 1725 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	M617
Well Name	GRAU-REED #1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3530-3570 SIMPSON DOLO-SS	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.27-6S-13E JACKSON CO.KS.	Report Date	2014/02/23
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	GEORGE PETERSEN
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3530-3570 SIMPSON DOLO-SS		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/02/23	Start Test Time	10:05:00
Final Test Date	2014/02/23	Final Test Time	19:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
<1' DM 100% MUD
<1' TOTAL FLUID

TOOL SAMPLE: 100% DM

L.D. DRILLING, INC.
DST#2 3530-3570 SIMPSON DOLO-SS
Start Test Date: 2014/02/23
Final Test Date: 2014/02/23

GRAU-REED #1
Formation: DST#2 3530-3570 SIMPSON DOLO-SS
Pool: WILDCAT
Job Number: M617

GRAU-REED #1

