



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
RHM3DST1

Company Richlan Drilling Lease & Well No. Rahm No. 3  
Elevation 2216 EGL Formation Cherokee Effective Pay \_\_\_\_\_ Ft. Ticket No. M583  
Date 11-26-13 Sec. 22 Twp. 19S Range 22W County Ness State Kansas  
Test Approved By Robert A. (Bob) Schreiber Diamond Representative Mike Cochran

Formation Test No. 1 Interval Tested from 4,257 ft. to 4,314 ft. Total Depth 4,314 ft.  
Packer Depth 4,252 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,257 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,239 ft. Recorder Number 0063 Cap. 6,000 psi.  
Bottom Recorder Depth (Outside) 4,259 ft. Recorder Number E1150 Cap. 5,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 8 Drill Collar Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.0 Water Loss 7.6 cc. Drill Pipe Length 4,225 ft I.D. 3 1/2 in.  
Chlorides 2,500 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 1 Anchor Length 25' perf. w/32' drill pipe Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 2 1/2 ins. No blow back during shut-in.

2nd Open: Very weak, surface blow increasing to 2 ins. No blow back during shut-in.

Recovered 75 ft. of very slightly oil specked, gassy drilling mud = 1.067250 bbls. (Grind out: 100%-mud w/some gassy bubbles & a very thin scum of oil)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks Tool Sample Grind Out: 100%-mud w/a very thin scum of oil & a slight gassy odor  
Tool took weight multiple times from the 3rd stand in through the 6th.

Time Set Packer(s) 10:30 P.M. Time Started off Bottom 12:30 A.M. Maximum Temperature 111°  
Initial Hydrostatic Pressure.....(A) 2071 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 31 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 282 P.S.I.  
Final Flow Period.....Minutes 30 (E) 32 P.S.I. to (F) 47 P.S.I.  
Final Closed In Period.....Minutes 30 (G) 270 P.S.I.  
Final Hydrostatic Pressure.....(H) 2065 P.S.I.

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	RICHLAN DRILLING, A GENERAL PARTNERSHIP	Job Number	M583
Well Name	RAHM #3	Representative	MIKE COCHRAN
Unique Well ID	DST #1 4257-4314 CHEROKEE	Well Operator	RICHLAN DRILLING, A GENERAL PARTNERSHIP
Surface Location	SEC.22-19S-22W NESS CO.KS.	Report Date	2013/11/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	BOB SCHREIBER
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST #1 4257-4314 CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/26	Start Test Time	19:15:00
Final Test Date	2013/11/27	Final Test Time	02:30:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

### Test Results

Remarks RECOVERED:  
75' VSOSGDM ~100% MUD W/ SOME GASSY BUBBLES AND A VERY THIN SCUM OF OIL  
75' TOTAL FLUID

TOOL SAMPLE: ~100% MUD W/ A VERY THIN SCUM OF OIL & SLIGHT GASSY ODOR

RICHLAN DRILLING, A GENERAL PARTNERSHIP  
DST #1 4257-4314 CHEROKEE  
Start Test Date: 2013/11/26  
Final Test Date: 2013/11/27

RAHM #3  
Formation: DST #1 4257-4314 CHEROKEE  
Pool: WILDCAT  
Job Number: M583

# RAHM #3

