



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST1

TIME ON: 2355 (9/18)
TIME OFF: 0815 (9/19)

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation KC D,E,F Effective Pay _____ Ft. Ticket No. M548
Date 9/18/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3842 ft. to 3907 ft. Total Depth 3907 ft.
Packer Depth 3837 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 3842 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3824 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3904 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 69 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 500 P.P.M. Drill Pipe Length 3810 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INC TO 10 1/2" (NO BB)
2nd Open: VWSB, BOB 39 MIN (NO BB)

Recovered 185 ft. of WM 100% MUD W/ A TRACE OF WTR
Recovered 115 ft. of VSOSMW 95% WTR, 5% MUD W/ SOME SPECKS OF OIL
Recovered 300 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>CHLOR: 40,000 PPM</u>	Other Charges
Recovered _____ ft. of <u>RW: .24 @ 65DEG</u>	Insurance
Remarks: <u>PH: 7.0</u>	
<u>TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES</u>	Total

Time Set Packer(s) 2:00 A.M. A.M. P.M. Time Started Off Bottom 5:00 A.M. A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure..... (A) 1808 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 75 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 909 P.S.I.
Final Flow Period..... Minutes 45 (E) 78 P.S.I. to (F) 150 P.S.I.
Final Closed In Period..... Minutes 60 (G) 866 P.S.I.
Final Hydrostatic Pressure..... (H) 1800 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	EMPIRE ENERGY E&P, LLC	Job Number	M548
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3842-3907 KC D,E,F	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN GOLDSMITH
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3842-3907 KC D,E,F		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/18	Start Test Time	23:55:00
Final Test Date	2013/09/19	Final Test Time	08:15:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**

185' WM 100% MUD W/ A TRACE OF WTR
115' VSOSMW 95% WTR, 5% MUD W/ SOME SPECKS OF OIL
300' TOTAL FLUID

CHLOR: 40,000 PPM
PH:7.0
RW: .24 @ 65 DEG

TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES

RUDZIK B #11-1

