



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST4

TIME ON: 0820
TIME OFF: 1705

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 CHEROKEE Effective Pay _____ Ft. Ticket No. M551
Date 9/22/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4308 ft. to 4338 ft. Total Depth 4338 ft.
Packer Depth 4303 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4308 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4290 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4335 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 72 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 4098 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 30 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BUILT TO AND MAINTANED AN INTERMITTENT 3/4" BLOW (NO BB)
2nd Open: A WEAK INTERMITTENT SURFACE BLOW FOR 27 MIN THEN DIED (NO BB)

Recovered -2 ft. of VSOSM 100% MUD W/ A SCUM OF OIL
Recovered -2 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 100% MUD W/ A SCUM OF OIL	Total

Time Set Packer(s) 11:15 A.M. ^{A.M.} P.M. Time Started Off Bottom 2:15 P.M. ^{A.M.} P.M. Maximum Temperature 129

Initial Hydrostatic Pressure..... (A) 2052 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 861 P.S.I.
Final Flow Period..... Minutes 45 (E) 13 P.S.I. to (F) 16 P.S.I.
Final Closed In Period..... Minutes 60 (G) 853 P.S.I.
Final Hydrostatic Pressure..... (H) 2034 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	M551
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4308-4338 CHEROKEE	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/22
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 4308-4338 CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/22	Start Test Time	08:20:00
Final Test Date	2013/09/22	Final Test Time	17:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
~2' VSOSM 100% MUD W/ A SCUM OF OIL
~2' TOTAL FLUID

TOOL SAMPLE:100% MUD W/ A SCUM OF OIL

RUDZIK B #11-1

