



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST3

TIME ON: 1510
TIME OFF: 2320

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 FT.SCOTT Effective Pay _____ Ft. Ticket No. M550
Date 9/21/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4274 ft. to 4310 ft. Total Depth 4310 ft.
Packer Depth 4269 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4274 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4256 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4307 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 68 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,000 P.P.M. Drill Pipe Length 4064 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 36 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: VWSB, INCREASED TO 4 1/4 (NO BB)
2nd Open: SSB, 3" RIGHT AWAY, BUILDING TO 11" (NO BB)

Recovered 40 ft. of GMCO 11% GAS, 55% OIL, 34% MUD GRAVITY: 31.0 @ 60°
Recovered 40 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: _____	Price Job
_____	Other Charges
_____	Insurance
TOOL SAMPLE: <u>2% GAS, 55% OIL, 43% MUD</u>	Total

Time Set Packer(s) 5:30 P.M. A.M. P.M. Time Started Off Bottom 8:30 P.M. A.M. P.M. Maximum Temperature 132
Initial Hydrostatic Pressure..... (A) 2033 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 994 P.S.I.
Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 32 P.S.I.
Final Closed In Period..... Minutes 60 (G) 961 P.S.I.
Final Hydrostatic Pressure..... (H) 2015 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	M550
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4274-4310 FT.SCOTT	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/21
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 4274-4310 FT.SCOTT		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/21	Start Test Time	15:10:00
Final Test Date	2013/09/21	Final Test Time	23:20:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

40' GMCO 11% GAS, 55% OIL, 34% MUD
40' TOTAL FLUID

GRAVITY: 31.0 @ 60 DEG

TOOL SAMPLE: 2% GAS, 55% OIL, 43% MUD

RUDZIK B #11-1

