



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST5

TIME ON: 0900
TIME OFF: 1835

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 MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. M552
Date 9/23/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4362 ft. to 4400 ft. Total Depth 4400 ft.
Packer Depth 4357 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4362 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4344 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4397 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 70 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 4152 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 38 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: A WEAK INTERMITTENT SURFACE BLOW THROUGHOUT (NO BB)
2nd Open: A VERY WEAK INTERMITTENT SURFACE BLOW THAT DIED AFTER 17 MIN (NO BB)

Recovered ~15 ft. of DM 100% MUD W/ A FEW SPOTS OF OIL UP TOP
Recovered ~15 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____
TOOL SAMPLE: ~1% EMULSIFIED OIL, ~99% MUD W/ A FEW GASSY BUBBLES

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 11:45 A.M. ^{A.M.} P.M. Time Started Off Bottom 3:15 P.M. ^{A.M.} P.M. Maximum Temperature 130
Initial Hydrostatic Pressure..... (A) 2070 P.S.I.
Initial Flow Period..... Minutes 60 (B) 6 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1118 P.S.I.
Final Flow Period..... Minutes 30 (E) 17 P.S.I. to (F) 20 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1098 P.S.I.
Final Hydrostatic Pressure..... (H) 2040 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	M552
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4362-4400 MISSISSIPPIAN	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/23
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 4362-4400 MISSISSIPPIAN		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/23	Start Test Time	09:00:00
Final Test Date	2013/09/23	Final Test Time	18:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**
~15' DM 100% MUD W/ A FEW SPOTS OF OIL UP TOP
~15' TOTAL FLUID

TOOL SAMPLE: ~1% EMULSIFIED OIL, ~99% MUD W/ A FEW GASSY BUBBLES

RUDZIK B #11-1

