

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M549
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3974-4010 I ZONE	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

### Test Information

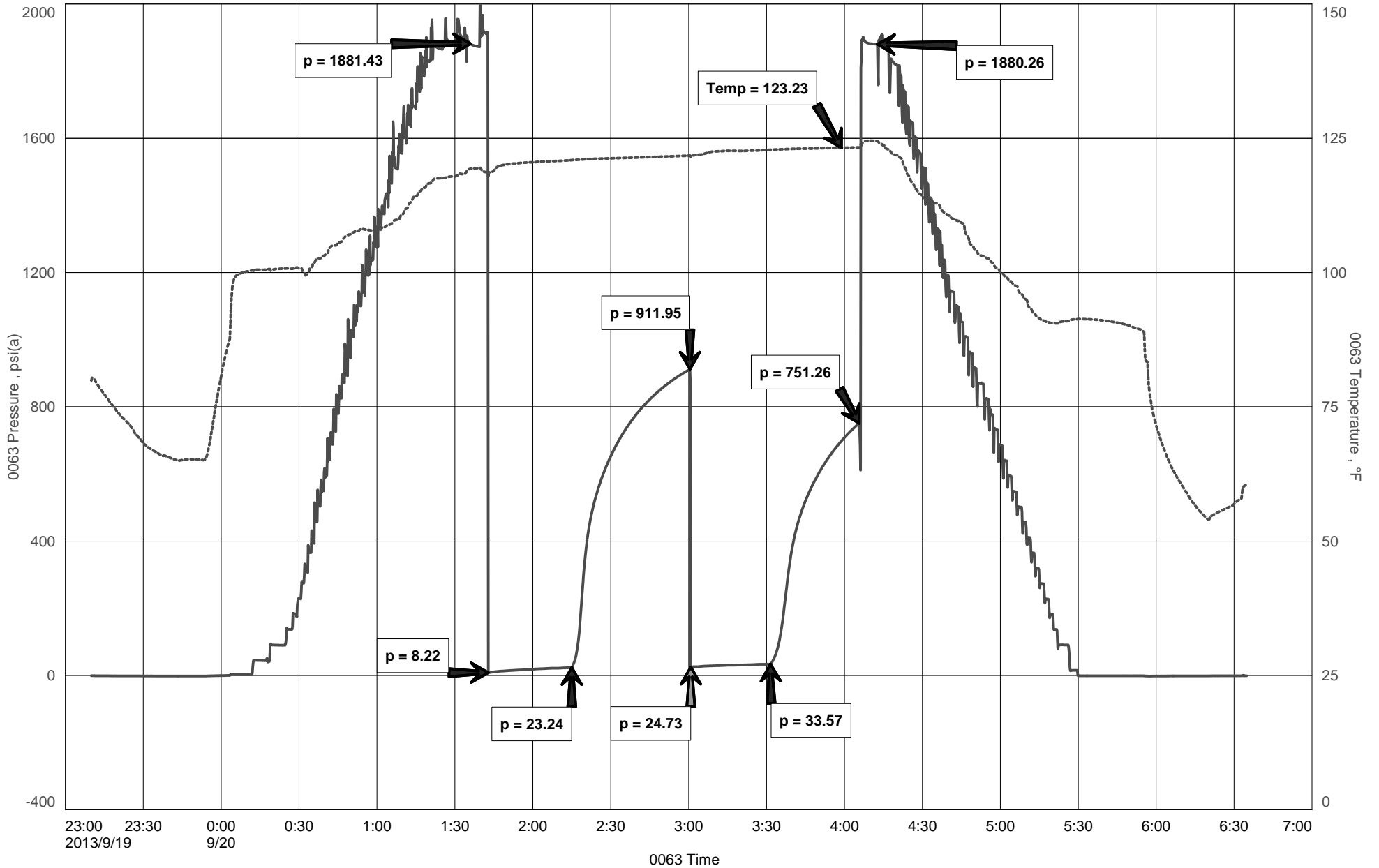
Test Type	CONVENTIONAL		
Formation	DST#2 3974-4010 I ZONE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/19	Start Test Time	23:10:00
Final Test Date	2013/09/20	Final Test Time	06:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

### Test Results

Remarks RECOVERED:  
15' DM 100% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES  
15' TOTAL FLUID

TOOL SAMPLE: ~1% GAS, ~1% TARRY LOOKING OIL, 98% MUD

# RUDZIK B #11-1





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: RDZKB1-11DST2

TIME ON: 2310 (9/19)  
TIME OFF: 0635 (9/20)

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 I ZONE Effective Pay \_\_\_\_\_ Ft. Ticket No. M549  
Date 9/19/2013 Sec. 11 Twp. \_\_\_\_\_ 14 S Range \_\_\_\_\_ 30 W County GOVE State KANSAS  
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3974 ft. to 4010 ft. Total Depth 4010 ft.  
Packer Depth 3969 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.  
Packer Depth 3974 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3956 ft. Recorder Number 0063 Cap. 6,000 P.S.I.  
Bottom Recorder Depth (Outside) 4007 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 60 Drill Collar Length 90 ft. I.D. 2 1/4 in.  
Weight 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 500 P.P.M. Drill Pipe Length 3852 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: SSB THAT BUILT TO 1 1/4" THEN AFTER 17 MIN DIMINISHING TO 1/2" @ SHUT IN (NO BB)  
2nd Open: NO BLOW (NO BB)

Recovered <u>15</u> ft. of <u>DM 100% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES</u>	
Recovered <u>15</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>~1% GAS, ~1% TARRY LOOKING OIL, 98% MUD</u>	Total

Time Set Packer(s) 1:45 A.M. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 4:00 A.M. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 123  
Initial Hydrostatic Pressure..... (A) 1881 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 23 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 912 P.S.I.  
Final Flow Period..... Minutes 30 (E) 25 P.S.I. to (F) 34 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 751 P.S.I.  
Final Hydrostatic Pressure..... (H) 1880 P.S.I.

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