



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
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General Information

Company Name	Ritchie Exploration Inc.	Well Name	Durler 14B #1
Well Operator	Ritchie Exploration Inc.	Unique Well ID	DST #1 Pawnee 4784'-4810'
Contact	Justin Clegg	Surface Location	Sec 17-27s-24w-Ford Co.-KS
Site Contact	Mac Armstrong	Test Unit	#5
Field		Pool	
Well Type	Vertical	Job Number	F113
Prepared By	Jake Fahrenbruch	Qualified By	Mac Armstrong

Test Information

Test Type	Conventional Bottom Hole	Test Purpose	Initial Test
Formation	Pawnee 4784'-4810'	Gauge Name	0062
Start Test Date	2013/03/29	Start Test Time	19:05:00
Final Test Date	2013/03/30	Final Test Time	03:18:00

Test Results

Recovered: 275' Salt Water (100%w)
 ----- No GIP
 ----- Chlorides: 90,000 ppm
 ----- RW: .115 ohm @ 56 deg f
 ----- PH: 8.0
 ----- Bottom Hole Temperature: 119 deg f

Pressures: IHP: 2270
 IFP: 13-69
 ISIP: 1066
 FFP: 71-129
 FSIP: 986
 FHP: 2260



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: durler14b1dst1

TIME ON: 19:05
TIME OFF: 03:18

Company Ritchie Exploration Inc. Lease & Well No. Durler 14B #1
Contractor Val Energy, Rig #1 Charge to Ritchie Exploration Inc.
Elevation 2462' KB Formation Pawnee Effective Pay _____ Ft. Ticket No. F113
Date 3-30-13 Sec. 17 Twp. _____ 27 S Range _____ 24 W County Ford State KANSAS
Test Approved By Mac Armstrong / Justin Clegg Diamond Representative Jake Fahrenbruch

Formation Test No. 1 Interval Tested from 4784 ft. to 4810 ft. Total Depth 4810 ft.
Packer Depth 4779 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4784 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4763 ft. Recorder Number 0062 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4807 ft. Recorder Number 11033 Cap. 5,150 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chemical Viscosity 44 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5100 P.P.M. Drill Pipe Length 4751 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number #5 (J&J) Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 26 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: Surface blow, increased to 10". No blowback.
2nd Open: Surface blow after 4 minutes, increased to 8". No blowback.

Recovered 275 ft. of Salt Water 100% wtr
Recovered _____ ft. of No GIP
Recovered _____ ft. of Chlorides: 90,000 ppm
Recovered _____ ft. of RW: .115 ohm @ 56 deg f
Recovered _____ ft. of PH: 8.0
Recovered _____ ft. of _____
Remarks: _____

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 21:41 A.M. P.M. Time Started Off Bottom 00:41 A.M. P.M. Maximum Temperature 119 deg f
Initial Hydrostatic Pressure..... (A) 2270 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 69 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1066 P.S.I.
Final Flow Period..... Minutes 45 (E) 71 P.S.I. to (F) 129 P.S.I.
Final Closed In Period..... Minutes 60 (G) 986 P.S.I.
Final Hydrostatic Pressure..... (H) 2260 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.

Richie Exploration Inc.
DST #1 Pawnee 4784'-4810'
Start Test Date: 2013/03/29
Final Test Date: 2013/03/30

Durler 14B #1
Formation: Pawnee 4784'-4810'
Job Number: F113

Durler 14B #1

