



**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: Ivan 1-1 Dst 3

TIME ON: 16:01  
 TIME OFF: 23:15

Company L.D Drilling Inc. Lease & Well No. Ivan 1-1  
 Contractor Petromark Drilling Charge to L.D Drilling Inc.  
 Elevation 1930 KB Formation L/KC "I-J-K" Effective Pay \_\_\_\_\_ Ft. Ticket No. RR037  
 Date 05/20/2014 Sec. 1 Twp. 23 S Range 14 W County Stafford State KANSAS  
 Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 3 Interval Tested from 3606 ft. to 3670 ft. Total Depth 3670 ft.  
 Packer Depth 3601 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3606 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 3653 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 3667 ft. Recorder Number 11047 Cap. 5075 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 49 Drill Collar Length 116 ft. I.D. 2 1/4 in.  
 Weight 9 Water Loss 13.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 10600 P.P.M. Drill Pipe Length 3489 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number SJ Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NA Reversed Out NA Anchor Length 64 A (32.5 P) 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: 1/4 Blow BOB in 21 mins 1/2" BB  
 2nd Open: 1/4 Blow BOB in 20 1/2 mins 3 1/4" BB

Recovered <u>372</u> ft. of <u>GIP</u>	
Recovered <u>31</u> ft. of <u>SLW &amp; OCM 10% G 25% O 63% M</u>	
Recovered <u>31</u> ft. of <u>OCM 20% O 80% M</u>	
Recovered <u>62</u> ft. of <u>OCWM 18% G 10% O 24% W 48% M</u>	
Recovered <u>116</u> ft. of <u>SLO+HMCW 3% G 2% O 55% W 40% M</u>	Price Job
Recovered <u>240</u> ft. of <u>Total Fluid</u>	PH: <u>9</u>
Remarks: _____	RW: <u>.19 @ 81 Deg</u>
	Chlorides: <u>320,000</u>
	Total

Time Set Packer(s) 5:36 PM A.M. P.M. Time Started Off Bottom 8:36 PM A.M. P.M. Maximum Temperature 105

Initial Hydrostatic Pressure..... (A) 1686 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 71 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1136 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 73 P.S.I. to (F) 106 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 1119 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1692 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.