



# Diamond Testing General Report

**John Riedl**  
**TESTER**  
**CELL: 620-793-0550**

## General Information

<b>Company Name</b>	EMPIRE EXPL+PROD. LLC	<b>Job Number</b>	J3291
<b>Contact</b>	ROB KRAMER	<b>Representative</b>	JOHN RIEDL
<b>Well Name</b>	DRISCOLL HEIRS 31-6	<b>Well Operator</b>	EMPIRE EXPL+PROD. LLC
<b>Unique Well ID</b>		<b>Report Date</b>	2014/09/20
<b>Surface Location</b>	S31/15S/11W	<b>Prepared By</b>	JOHN RIEDL
<b>Field</b>		<b>Qualified By</b>	MIKE BAIR

## Test Information

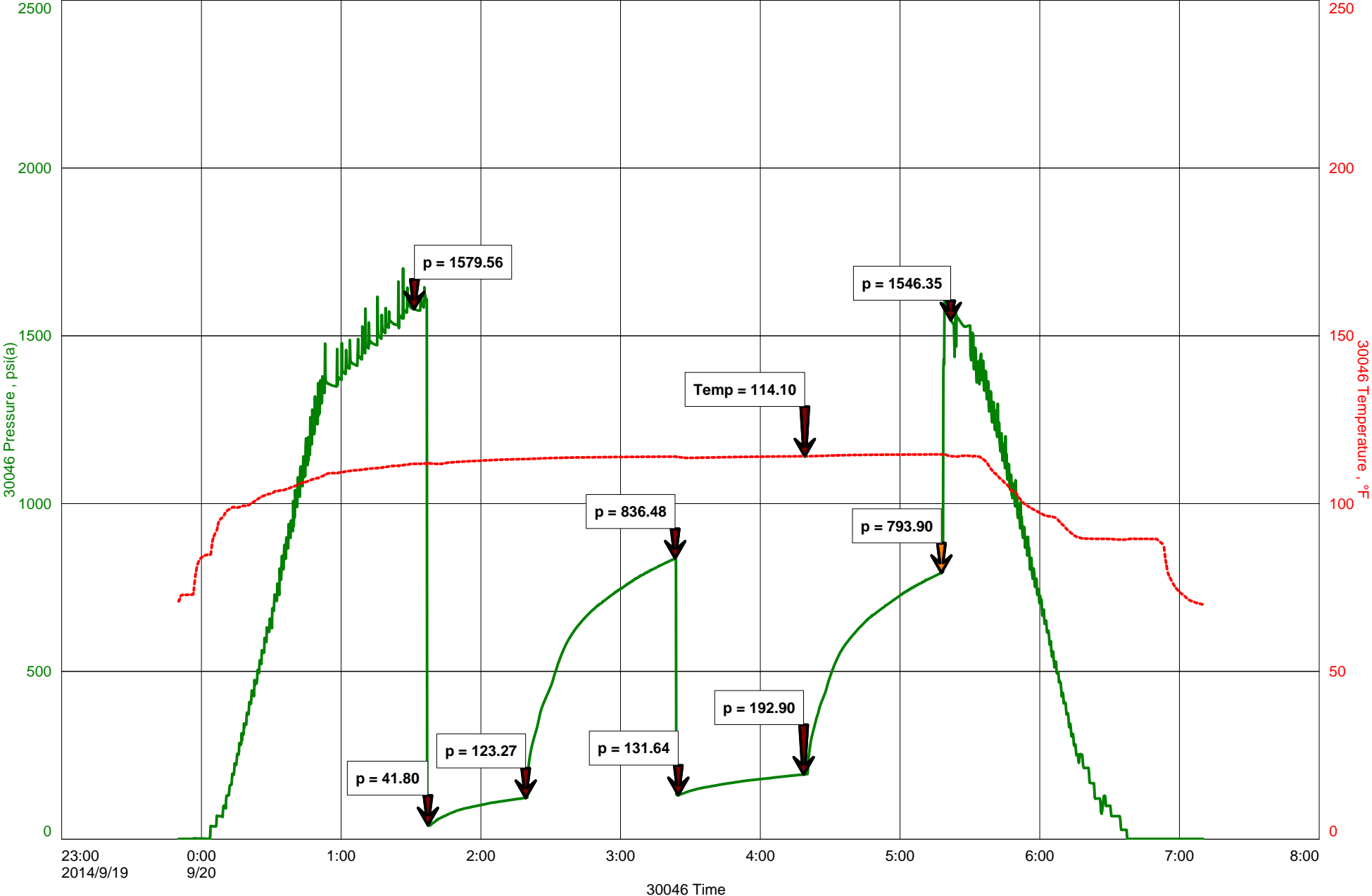
<b>Test Type</b>	DST #1 CONVENTIONAL
<b>Formation</b>	ARBUCKLE
<b>Well Fluid Type</b>	
<b>Test Purpose</b>	

<b>Start Test Date</b>	2014/09/19	<b>Start Test Time</b>	23:50:00
<b>Final Test Date</b>	2014/09/20	<b>Final Test Time</b>	07:10:00

## Test Recovery

RECOVERY: 350' GAS CUT OIL  
125' GAS CUT MUDDY OIL

# DRISCOLL HEIRS 31-6





**DIAMOND TESTING**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (800) 542-7313

TIME ON: 23:50 9/19/2014  
 TIME OFF: 07:10 9/20/2014

**DRILL-STEM TEST TICKET**  
 FILE: STC/Driscollheirs31-6dst1

Company EMPIRE ENERGY+PROD. LLC Lease & Well No. DRISCOLL HEIRS 31-6  
 Contractor NINNESHAU DRILLING RIG 101 Charge to EMPIRE ENERGY+PROD. LLC.  
 Elevation 1873 G.L est. Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. J3291  
 Date 9/20/2014 Sec. 31 Twp. \_\_\_\_\_ 15 S Range \_\_\_\_\_ 11 W County RUSSELL State KANSAS  
 Test Approved By MIKE BAIR Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3283 ft. to 3365 ft. Total Depth 3365 ft.  
 Packer Depth 3278 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 3283 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) 3286 ft. Recorder Number 30046 Cap. 6000 P.S.I.  
 Bottom Recorder Depth (Outside) 3362 ft. Recorder Number 13490 Cap. 6000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.5 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 4,700 P.P.M. Drill Pipe Length 3273 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #1 Test Tool Length 20 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 72 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: STRONG (B.O.B 5 MIN.) NO BB  
 2nd Open: STRONG (B.O.B 40 MIN.) NO BB

Recovered 350 ft. of GO (15%GAS 85%OIL) 36 GRAVITY @ 60 DEGREES  
 Recovered 125 ft. of GCMO (10%GAS 40%MUD 50%OIL)  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: TOTAL FLUID REC: 475' IN DRILL PIPE  
TOOL SAMPLE GRINDOUT: (5%GAS 95%OIL)

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 1:35 A.M. A.M. P.M. Time Started Off Bottom 5:05 A.M. A.M. P.M. Maximum Temperature 114

Initial Hydrostatic Pressure..... (A) 1580 P.S.I.  
 Initial Flow Period..... Minutes 45 (B) 42 P.S.I. to (C) 123 P.S.I.  
 Initial Closed In Period..... Minutes 60 (D) 836 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 132 P.S.I. to (F) 193 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 794 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1546 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.