

# DIAMOND TESTING

## General Information Report

### General Information

**Company Name** MID-CONTINENT ENERGY OPERATING CO.  
**Contact** GRANT CANADAY  
**Well Name** KALBACH UNIT #1-30  
**Unique Well ID** DST #1, LANSING "H", 4200-4220  
**Surface Location** SEC 30-16S-36W, WICHITA CO. KS.  
**Field** WILCAT  
**Well Type** Vertical  
**Test Type** CONVENTIONAL  
**Formation** DST #1, LANSING "H", 4200-4220  
**Well Fluid Type** 01 Oil

**Representative** TIM VENTERS  
**Well Operator** MID-CONTINENT ENERGY OPER. CO.  
**Report Date** 2013/09/04  
**Prepared By** TIM VENTERS  
**Qualified By** TOM PRONOLD

**Start Test Date** 2013/09/04  
**Final Test Date** 2013/09/04

**Start Test Time** 01:18:00  
**Final Test Time** 10:54:00

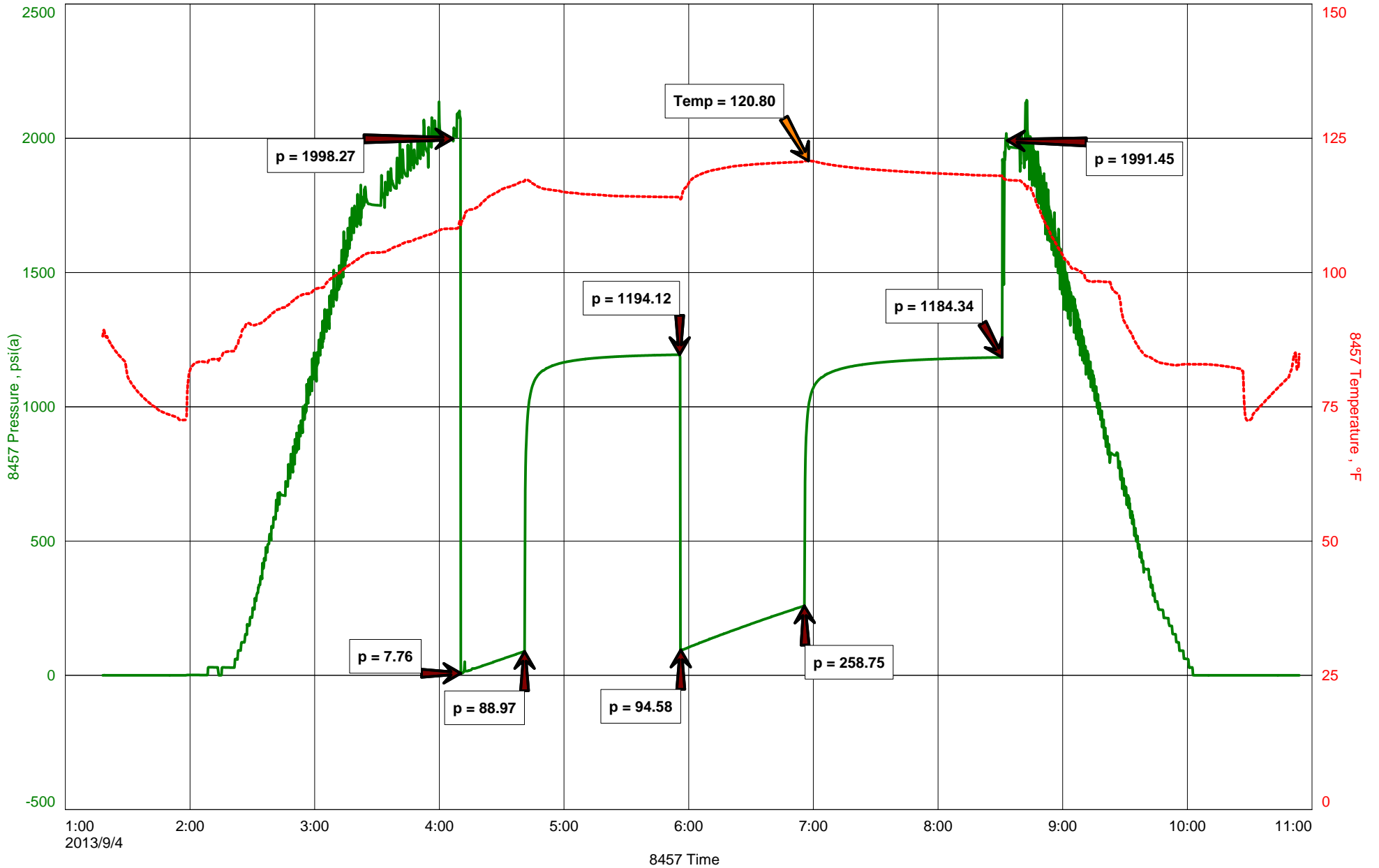
### Test Recovery:

RECOVERED: 185' HMCW W/TR. O, TRACE OIL, 56% WATER, 44% MUD  
380' SMCW, 92% WATER, 8% MUD  
560' TOTAL FLUID

TOOL SAMPLE: 98% WATER, 2% MUD

CHLORIDES: 40,000 ppm  
PH: 7.0  
RW: .28 @ 74 deg.

# KALBACH UNIT #1-30





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

TIME ON: 01:18  
 TIME OFF: 10:54

**DRILL-STEM TEST TICKET**  
 FILE: KALBACHUNIT1-30DST1

Company MID-CONTINENT ENERGY OPERATING CO. Lease & Well No. KALBACH UNIT #1-30  
 Contractor VAL ENERGY, INC. RIG #7 Charge to MID-CONTINENT ENERGY OPERATING CO.  
 Elevation 3324 KB Formation LANSING "H" Effective Pay \_\_\_\_\_ Ft. Ticket No. T252  
 Date 9-4-13 Sec. 30 Twp. 16 S Range 36 W County WICHITA State KANSAS  
 Test Approved By TOM PRONOLD Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4200 ft. to 4220 ft. Total Depth 4220 ft.  
 Packer Depth 4215 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4220 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4201 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
 Bottom Recorder Depth (Outside) 4217 ft. Recorder Number 11030 Cap. 5,025 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
 Weight 9.4 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 4,300 P.P.M. Drill Pipe Length 4167 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 20 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: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 23 1/2 MIN. (NO BB)  
 2nd Open: VERY WEAK SURFACE BLOW, BUILDING, REACHING BOB 22 MIN. (NO BB)

Recovered 185 ft. of HMCW W/TR. O, TRACE OIL, 56% WATER, 44% MUD  
 Recovered 380 ft. of SMCW, 92% WATER, 8% MUD  
 Recovered 565 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 40,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 7.0	Other Charges
Remarks: _____	RW: .28 @ 74 deg.	Insurance
<u>WE SLID TOOL ABOUT 2 FEET WHEN SETTING TOOL.</u>		
<u>TOOL SAMPLE: 98% WATER, 2% MUD</u>		Total

Time Set Packer(s) 4:10 AM A.M. P.M. Time Started Off Bottom 8:25 AM A.M. P.M. Maximum Temperature 121 deg.

Initial Hydrostatic Pressure..... (A) 1998 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 89 P.S.I.  
 Initial Closed In Period..... Minutes 75 (D) 1194 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 95 P.S.I. to (F) 259 P.S.I.  
 Final Closed In Period..... Minutes 95 (G) 1184 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1991 P.S.I.

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