

DIAMOND TESTING

General Information Report

General Information

Company Name	L.D. DRILLING, INC.	Representative	TIM VENTERS
Contact	L.D. DAVIS	Well Operator	L.D. DRILLING, INC.
Well Name	WATT #2-10	Report Date	2015/01/10
Unique Well ID	DST #1, LKC "K-L", 4068-4130	Prepared By	TIM VENTERS
Surface Location	SEC 10-16S-30W, LANE CO. KS.	Qualified By	KIM SHOEMAKER
Field	DOLL EAST		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, LKC "K-L", 4068-4130		
Well Fluid Type	01 Oil		
Start Test Date	2015/01/09	Start Test Time	16:42:00
Final Test Date	2015/01/10	Final Test Time	01:02:00

Test Recovery:

RECOVERED: 210' GAS IN PIPE
165' SMCO, 99% OIL, 1% MUD, GRAVITY: 35
315' M&WCO, 46% OIL, 36% WATER, 18% MUD
315' G,HWMCO, 6% GAS, 46% OIL, 30% WATER, 18% MUD
505' SMOCW, 24% OIL, 68% WATER, 8% MUD
1300' TOTAL FLUID

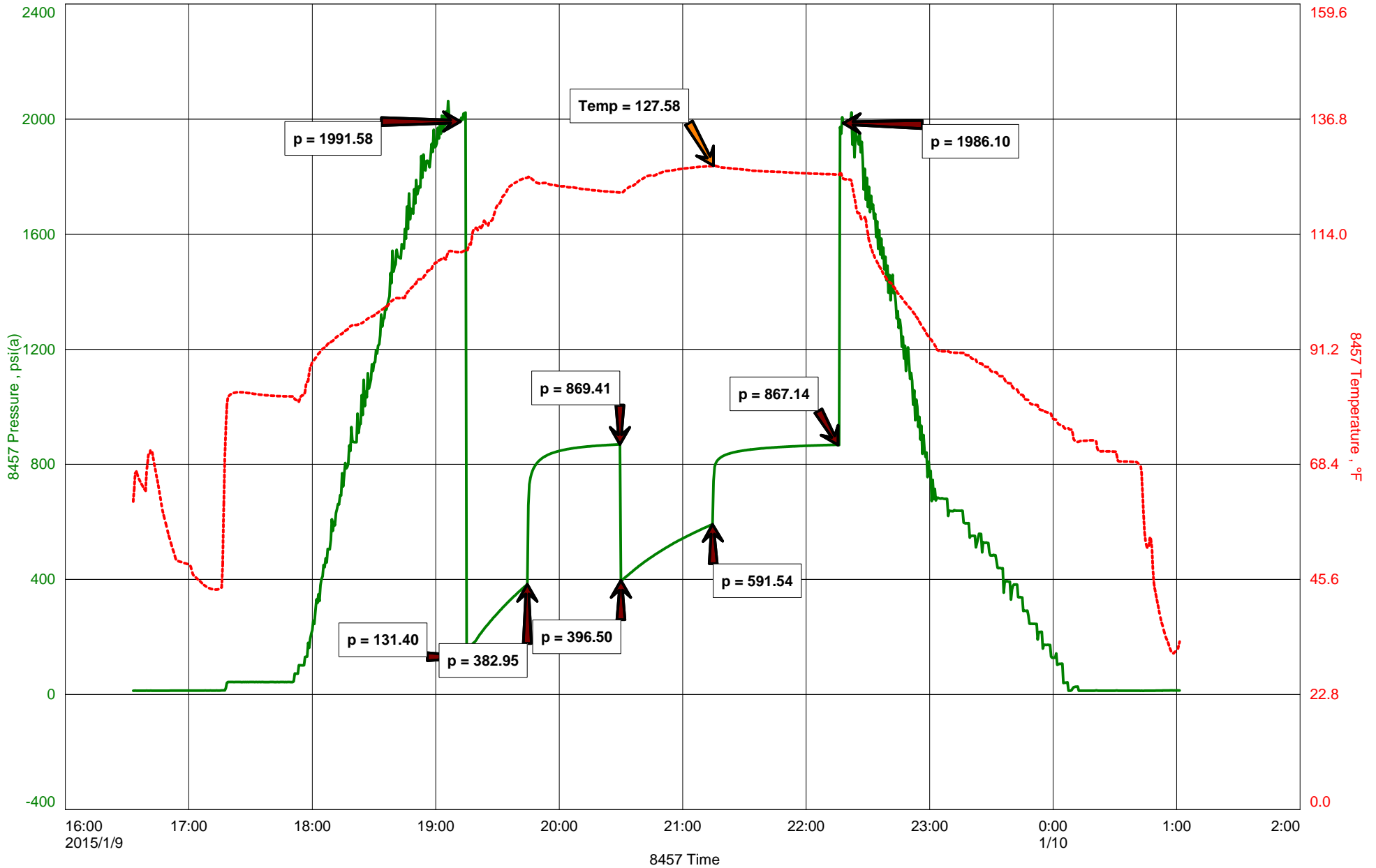
TOOL SAMPLE: 9% OIL, 85% WATER, 6% MUD

CHLORIDES: 34,000 ppm
PH: 7.0
RW: .21 @ 86 deg.

L.D. DRILLING, INC.
DST #1, LKC "K-L", 4068-4130
Start Test Date: 2015/01/09
Final Test Date: 2015/01/10

WATT #2-10
Formation: DST #1, LKC "K-L", 4068-4130
Pool: DOLL EAST
Job Number: T430

WATT #2-10





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: WATT2-10DST1

TIME ON: 16:37 1-9-15
TIME OFF: 01:02 1-10-15

Company L.D. DRILLING, INC. Lease & Well No. WATT #2-10
Contractor WW DRILLING, LLC RIG #2 Charge to L.D. DRILLING, INC.
Elevation 2727 KB Formation LKC "K-L" Effective Pay _____ Ft. Ticket No. T430
Date 1-9-15 Sec. 10 Twp. 16 S Range 30 W County LANE State KANSAS
Test Approved By KIM SHOEMAKERQ Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 4068 ft. to 4130 ft. Total Depth 4130 ft.

Packer Depth 4063 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 4068 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4054 ft. Recorder Number 5504 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4127 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 123 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,400 P.P.M. Drill Pipe Length 3917 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 2 Test Tool Length 28 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 30 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 2 1/2 MIN. (1 1/2" BB)

2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 6 1/2 MIN. (1 1/2" BB)

Recovered 210 ft. of GAS IN PIPE

Recovered 165 ft. of SMCO, 99% OIL, 1% MUD, GRAVITY: 35

Recovered 315 ft. of M&WCO, 46% OIL, 36% WATER, 18% MUD

Recovered 315 ft. of G,HWMCO, 6% GAS, 46% OIL, 30% WATER, 18% MUD

Recovered 505 ft. of SMOCW, 24% OIL, 68% WATER, 8% MUD

Recovered 1300 ft. of TOTAL FLUID CHLORIDES: 34,000 ppm

Remarks: _____ PH: 7.0

RW: .21 @ 86 deg.

TOOL SAMPLE: 9% OIL, 85% WATER, 6% MUD Total

Time Set Packer(s) 7:15 PM A.M. P.M. Time Started Off Bottom 10:15 PM A.M. P.M. Maximum Temperature 128 deg.

Initial Hydrostatic Pressure..... (A) 1992 P.S.I.

Initial Flow Period..... Minutes 30 (B) 131 P.S.I. to (C) 383 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 869 P.S.I.

Final Flow Period..... Minutes 45 (E) 397 P.S.I. to (F) 592 P.S.I.

Final Closed In Period..... Minutes 60 (G) 867 P.S.I.

Final Hydrostatic Pressure..... (H) 1986 P.S.I.

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