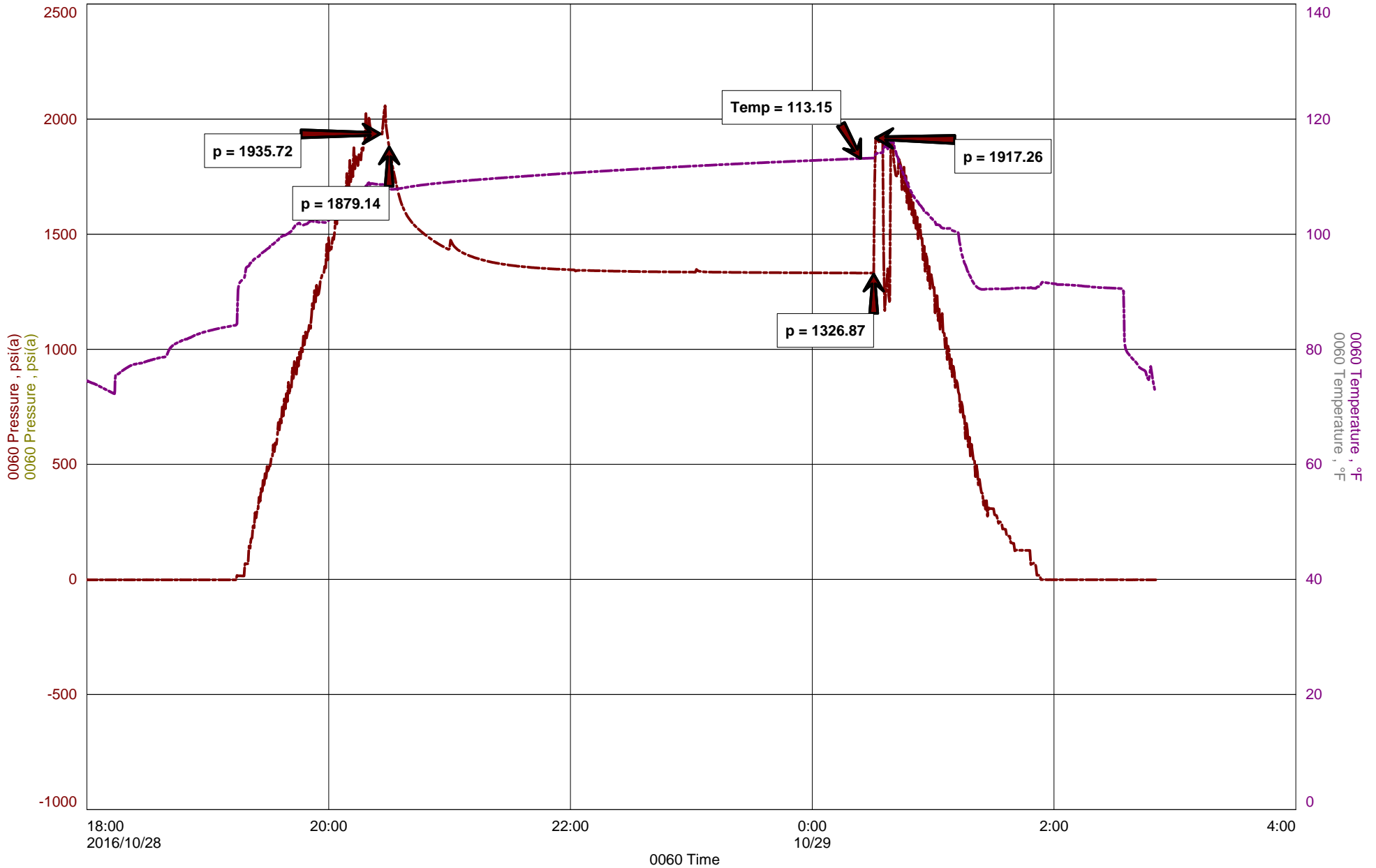


Mitchek 1-35-13-35 DST 2 Bottom Straddle





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Coachman	Mac Armstrong	Job Number	W251
Contact		Mitchek 1-35-13-35	Representative	Wilbur Steinbeck
Well Name		DST 2 Straddle Lan I&J 4026-4082	Well Operator	Duke 7
Unique Well ID		35-13s-35w Logan/Kan	Report Date	2016/10/28
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Mac Armstrong

Test Information

Test Type	Conventional		
Formation	Lan I&J		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2016/10/28	Start Test Time	18:00:00
Final Test Date	2016/10/29	Final Test Time	02:54:00

Test Recovery

Recovery
 500' MCW 25%M 75%W
 500' Total Fluid

Tool Sample=MCW 20%M 80%W

Sampler= PSI would not register, 2500ML MCW 10%M 90%W

RW=45



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

TIME ON: 18:00
 TIME OFF: 2:54

DRILL-STEM TEST TICKET
 FILE: Mitckek 1-35 DST 2 Straddle

Company Cynosure Energy LLC Lease & Well No. Mitckek 1-35
 Contractor Duke 7 Charge to Coachman
 Elevation 2973 KB Formation _____ Lan I&J Effective Pay _____ Ft. Ticket No. W251
 Date 10/28/16 Sec. 35 Twp. _____ 13 S Range _____ 35 W County _____ Logan State KANSAS
 Test Approved By Mac Armstrong Diamond Representative Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 4026 ft. to 4082 ft. Total Depth 4166 ft.
 Packer Depth 4021 ft. Size 6 3/4 in. Packer depth 4082 ft. Size 6 3/4 in.
 Packer Depth 4026 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4012 ft. Recorder Number 5965 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4027 ft. Recorder Number 5587 Cap. 5,000 P.S.I.
 Below Straddle Recorder Depth 4083 ft. Recorder Number 0060 Cap. 5000 P.S.I.

Mud Type Chem Viscosity 51 Drill Collar Length 180 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4000 P.P.M. Drill Pipe Length 3810 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number _____ Straddle, J/J, Sampler, 2 Shale Packers Test Tool Length 36 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? Yes Reversed Out No Anchor Length 56/84 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 20 min No Return
 2nd Open: BOB in 25 min No Return

Recovered 500 ft. of MCW 25%M 75%W
 Recovered 500 ft. of Total Fluid
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	100 Miles RT	Price Job
Recovered _____ ft. of _____		Other Charges
Remarks: <u>Tool Sample=MCW 20%M 80%W</u>		Insurance
<u>Sampler= PSI wouldn't register, 2500ml MCW 10%M 90%W</u>		
<u>RW=45000</u>		Total

Time Set Packer(s) 18:00 A.M. P.M. Time Started Off Bottom 00:30 A.M. P.M. Maximum Temperature 119

Initial Hydrostatic Pressure..... (A) 1896 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 139 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1279 P.S.I.
 Final Flow Period..... Minutes 60 (E) 145 P.S.I. to (F) 266 P.S.I.
 Final Closed In Period..... Minutes 90 (G) 1276 P.S.I.
 Final Hydrostatic Pressure..... (H) 1867 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.

Coachman
DST 2 Straddle Lan I&J 4026-4082
Start Test Date: 2016/10/28
Final Test Date: 2016/10/29

Mitchek 1-35-13-35
Formation: Lan I&J
Job Number: W251

Mitchek 1-35-13-35 DST 2 Straddle

