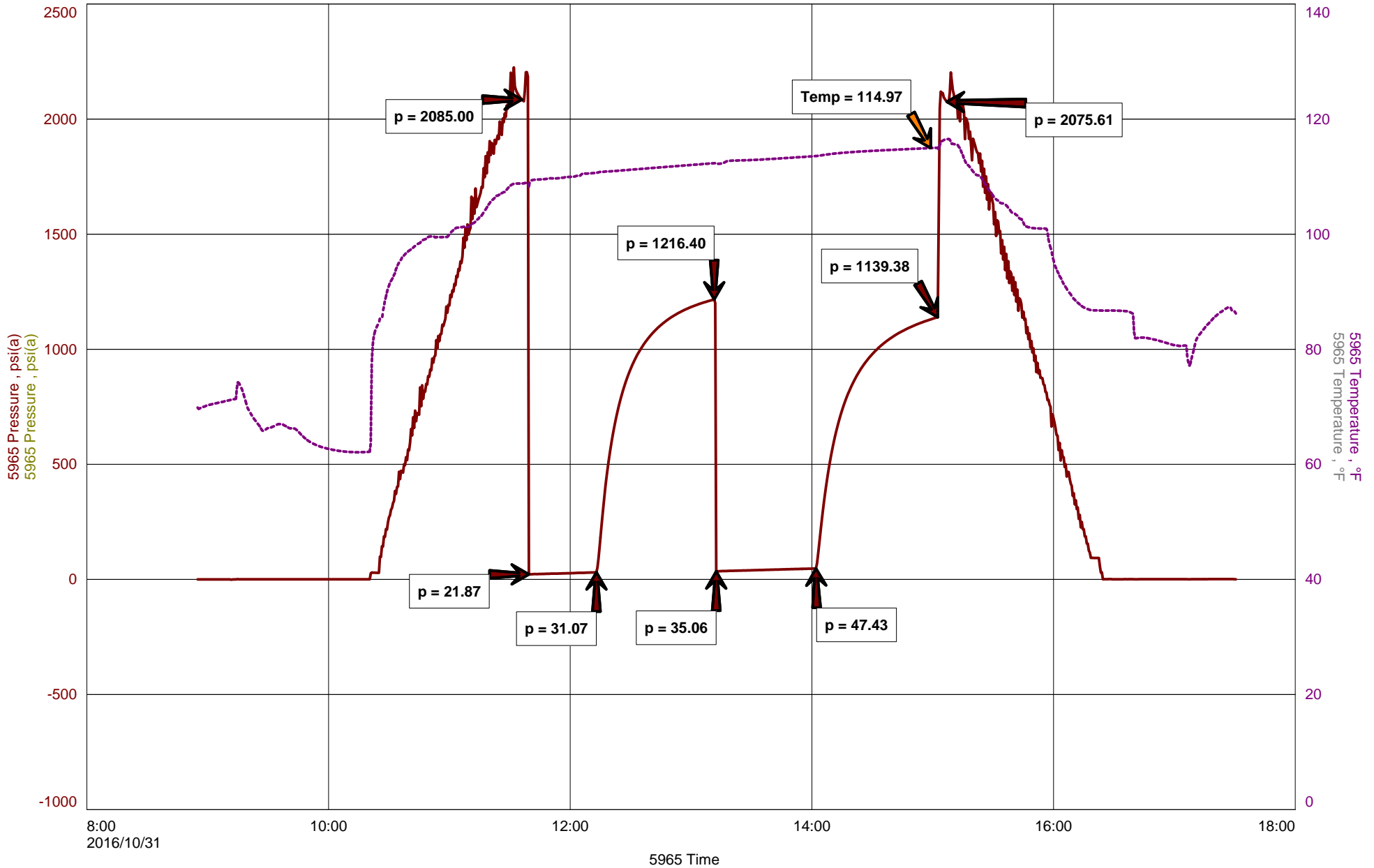


Mitchek 1-35-13-35 DST 4





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

| | | | | |
|-------------------------|----------|--|-----------------------|------------------|
| Company Name | Coachman | Mac Armstrong | Job Number | W253 |
| Contact | | Mitchek 1-35-13-35 | Representative | Wilbur Steinbeck |
| Well Name | | DST 4 Lower Charokee/Johnson 4380-4500 | Well Operator | Duke 7 |
| Unique Well ID | | 35-13s-35w Logan/Kan | Report Date | 2016/10/31 |
| Surface Location | | Wildcat | Prepared By | Wilbur Steinbeck |
| Field | | | Qualified By | Mac Armstrong |

Test Information

| | | | |
|----------------------------|------------------------|------------------------|----------|
| Test Type | Conventional | | |
| Formation | Lower Charokee/Johnson | | |
| Well Fluid Type | 01 Oil | | |
| Test Purpose (AEUB) | Initial Test | | |
| Start Test Date | 2016/10/31 | Start Test Time | 08:55:00 |
| Final Test Date | 2016/10/31 | Final Test Time | 17:30:00 |

Test Recovery

Recovery
65' Mud
65' Total Fluid

Tool Sample=Mud

Sampler= Mud 1000psi 3000ml



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Mitckek 1-35 DST 4

TIME ON: 8:55
TIME OFF: 17:30

Company Cynosure Energy LLC Lease & Well No. Mitckek 1-35
Contractor Duke 7 Charge to Coachman
Elevation 2973 KB Formation Lower Charokee/Johnson Effective Pay _____ Ft. Ticket No. W253
Date 10/31/16 Sec. 35 Twp. _____ 13 S Range _____ 35 W County _____ Logan State KANSAS
Test Approved By Mac Armstrong Diamond Representative _____ Wilbur Steinbeck

Formation Test No. 4 Interval Tested from 4380 ft. to 4500 ft. Total Depth 4500 ft.
Packer Depth 4375 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4380 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) _____ 4366 ft. Recorder Number _____ 5965 Cap. _____ 5000 P.S.I.
Bottom Recorder Depth (Outside) _____ 4381 ft. Recorder Number _____ 5587 Cap. _____ 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 59 Drill Collar Length _____ 180 ft. I.D. _____ 2 1/4 in.
Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length _____ 0 ft. I.D. _____ 2 7/8 in.
Chlorides _____ 5000 P.P.M. Drill Pipe Length _____ 4164 ft. I.D. _____ 3 1/2 in.
Jars: Make STERLING Serial Number _____ 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 _____ 120 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: Built to 1/4" No Return
2nd Open: No Blow No Return

Recovered 65 ft. of Mud
Recovered 65 ft. of Total Fluid
Recovered _____ ft. of _____ Ruined shale packer
Recovered _____ ft. of _____

| | | |
|------------------------------------|--------------|---------------|
| Recovered _____ ft. of _____ | 100 Miles RT | Price Job |
| Recovered _____ ft. of _____ | | Other Charges |
| Remarks: <u>Tool Sample=Mud</u> | | Insurance |
| <u>Sampler= Mud 1000psi 3000ml</u> | | |
| | | Total |

Time Set Packer(s) 11:40 A.M. P.M. Time Started Off Bottom 14:55 A.M. P.M. Maximum Temperature 115
Initial Hydrostatic Pressure..... (A) _____ 2085 P.S.I.
Initial Flow Period..... Minutes 30 (B) _____ 22 P.S.I. to (C) _____ 31 P.S.I.
Initial Closed In Period..... Minutes 60 (D) _____ 1216 P.S.I.
Final Flow Period..... Minutes 45 (E) _____ 35 P.S.I. to (F) _____ 47 P.S.I.
Final Closed In Period..... Minutes 60 (G) _____ 1139 P.S.I.
Final Hydrostatic Pressure..... (H) _____ 2076 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.