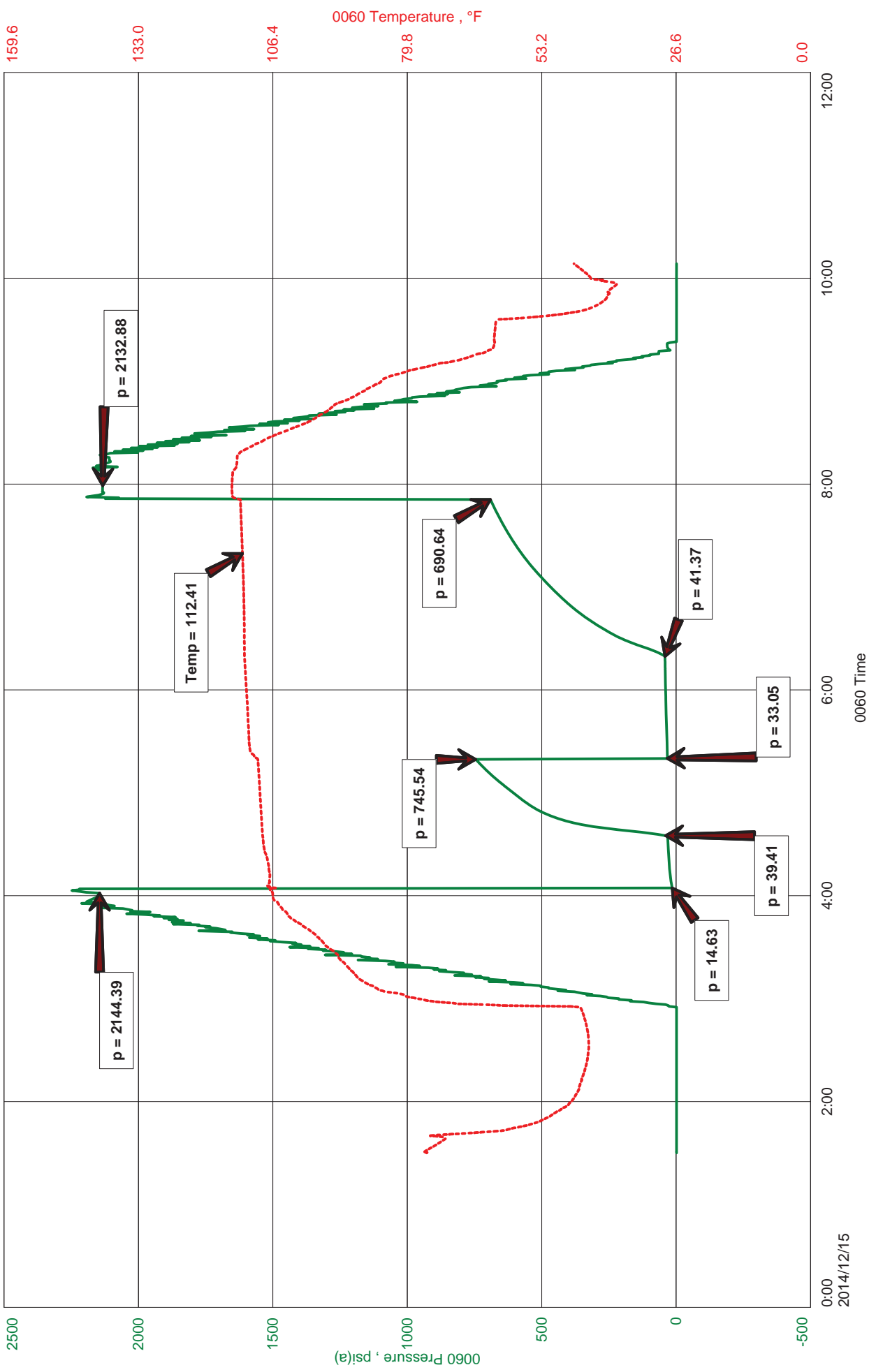


GRAND MESA OPERATING, CO  
DST 3 MISSISSIPPIAN 4396 - 4480  
Start Test Date: 2014/12/15  
Final Test Date: 2014/12/15

STEVE #1-4  
Formation: DST 3 MISSISSIPPIAN 4396 - 4480  
Pool: WILDCAT  
Job Number: JB16

# STEVE #1-4





**Hoisington, Kansas**

**JEFF BROWN**  
 620-617-6373  
 brown.dtlc@gmail.com

**General Information**

**Company Name** GRAND MESA OPERATING, CO

**Test Information**

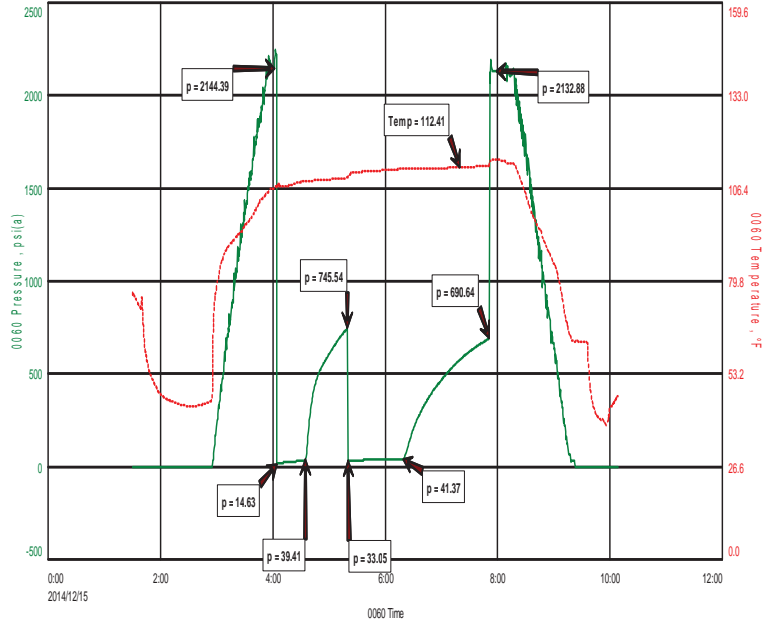
**Contact**  
**Well Name**  
**Unique Well ID**  
**Surface Location**  
**Field**  
**Well Operator**  
**Test Type**  
**Formation**  
**Well Fluid Type**  
**Test Purpose (AEUB)**  
**Start Test Date**  
**Start Test Time**  
**Final Test Date**  
**Final Test Time**  
**Job Number**  
**Representative**  
**Prepared By**  
**Report Date**

**MICHAEL J. REILLY**  
**STEVE #1-4**  
 DST 3 MISSISSIPPIAN 4396 - 4480  
 SEC- 4-17S-24W NESS, CNTY, KS  
 WILDCAT  
 GRAND MESA OPERATING, CO  
 Drill Stem Test  
 DST 3 MISSISSIPPIAN 4396 - 4480  
 01 Oil  
 Initial Test  
 2014/12/15  
 01:30:00  
 2014/12/15  
 10:10:00  
 JB16  
**JEFF BROWN**  
**JEFF BROWN**  
 2014/12/15

GRAND MESA OPERATING, CO  
 DST 3 MISSISSIPPIAN 4396 - 4480  
 Start Test Date: 2014/12/15  
 Final Test Date: 2014/12/15

STEVE #1-4  
 Formation: DST 3 MISSISSIPPIAN 4396 - 4480  
 Pool: WILDCAT  
 Job Number: JB16

**STEVE #1-4**



**FLUID RECOVERY**

**RECOVERY: 5'- 100% OIL**  
 63' OCM 10%O 90%M  
 37- GRAVITY

**TOOL SAMPLE: OCM 10%O 90%M**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STEVE #1-4 DST3

TIME ON: 1:30  
TIME OFF: 10:10

Company GRAND MESA OPERATING, CO Lease & Well No. STEVE #1-4  
Contractor DUKE RIG 4 Charge to GRAND MESA OPERATING, CO  
Elevation 2487 KB Formation MISSISSIPPIAN Effective Pay \_\_\_\_\_ Ft. Ticket No. JB16  
Date 12-15-14 Sec. 4 Twp. \_\_\_\_\_ 17 S Range \_\_\_\_\_ 24 W County NESS State KANSAS  
Test Approved By \_\_\_\_\_ Diamond Representative JEFF BROWN

Formation Test No. 3 Interval Tested from 4396 ft. to 4480 ft. Total Depth 4480 ft.  
Packer Depth 4391 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4396 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4377 ft. Recorder Number 0060 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4464 ft. Recorder Number 5517 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 45 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 4600 P.P.M. Drill Pipe Length 4364 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 11 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 84 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 BLOW BUILT TO 2-1/4 IN (NObb)  
2nd Open: WEAK SURFACE BUILT TO 1/4 IN (NObb)

Recovered 5 ft. of OIL 100%OIL  
Recovered 63 ft. of OCM 10%O 90%M  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of 37- GRAVITY

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID; 68' OF TOTAL FLUID</u>	Insurance
TOOL SAMPLE: <u>OCM 10%O 90%M</u>	Total

Time Set Packer(s) 4:05 A.M. A.M. P.M. Time Started Off Bottom 7:50 A.M. A.M. P.M. Maximum Temperature 112

Initial Hydrostatic Pressure..... (A) 2144 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 39 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 746 P.S.I.  
Final Flow Period..... Minutes 60 (E) 33 P.S.I. to (F) 41 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 691 P.S.I.  
Final Hydrostatic Pressure..... (H) 2133 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.