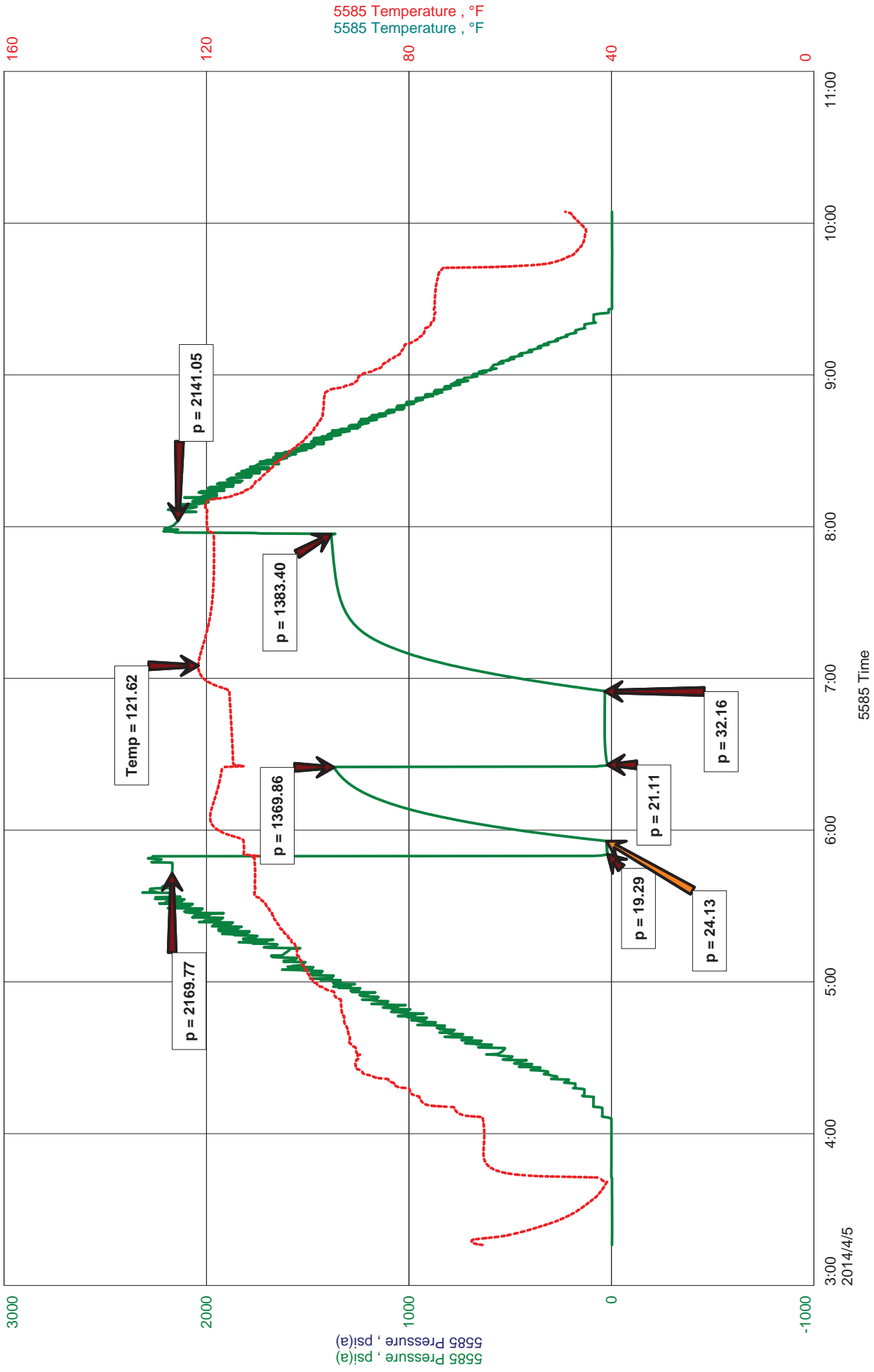


MULL DRLG CO LLC  
DST2 CONGL SAND 4538-4580  
Start Test Date: 2014/04/05  
Final Test Date: 2014/04/05

BVW 1-36  
Formation: DST2 CONGL SAND 4538-4580  
Pool: WILDCAT  
Job Number: A037

# BVW 1-36



# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

|                     |                  |                               |                |                  |
|---------------------|------------------|-------------------------------|----------------|------------------|
| Company Name        | MULL DRLG CO LLC | MARK SHREVE                   | Job Number     | A037             |
| Contact             |                  | BVW 1-36                      | Representative | ANDY CARREIRA    |
| Well Name           |                  | DST2 CONGL SAND 4538-4580     | Well Operator  | MULL DRLG CO LLC |
| Unique Well ID      |                  | SEC36-23S-20W EDWARDS CNTY KS | Report Date    | 2014/04/05       |
| Surface Location    |                  |                               | Prepared By    | ANDY CARREIRA    |
| Well License Number |                  |                               |                |                  |
| Field               |                  | WILDCAT                       |                |                  |
| Well Type           |                  | Vertical                      |                |                  |

## Test Information

|                 |                           |
|-----------------|---------------------------|
| Test Type       | CONVENTIONAL              |
| Formation       | DST2 CONGL SAND 4538-4580 |
| Well Fluid Type | 01 Oil                    |
| Test Purpose    | Initial Test              |

|                 |            |                 |          |
|-----------------|------------|-----------------|----------|
| Start Test Date | 2014/04/05 | Start Test Time | 03:16:00 |
| Final Test Date | 2014/04/05 | Final Test Time | 10:05:00 |

|            |      |
|------------|------|
| Gauge Name | 5585 |
|------------|------|

## Test Results

RECOVERY: 1470' GIP  
30' GM 5%G, 95%M  
30' TOTAL FLUID

TOOL SAMPLE: 100% MUD



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: BVW 1-36 DST 2

TIME ON: 03:16  
TIME OFF: 10:05

Company MULL DRLG. CO. LLC. Lease & Well No. BVW 1-36  
Contractor DUKE 6 Charge to MULL DRLG. CO. LLC.  
Elevation 2250 GL Formation CONGL. SAND Effective Pay \_\_\_\_\_ Ft. Ticket No. A037  
Date 4-5-14 Sec. 36 Twp. 23 S Range 20 W County EDWARDS State KANSAS  
Test Approved By PHIL ASKEY Diamond Representative ANDY CARREIRA

Formation Test No. 2 Interval Tested from 4538 ft. to 4580 ft. Total Depth 4580 ft.  
Packer Depth 4533 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4538 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4519 ft. Recorder Number 5585 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4540 ft. Recorder Number 8471 Cap. 10000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 273.32 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 5900 P.P.M. Drill Pipe Length 4231.68 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 09 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 42 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: BOB IN 4 MIN. (4"bb)  
2nd Open: BOB IMMEDIATELY (NObb)

Recovered 1470 ft. of GIP  
Recovered 30 ft. of GM 5%G, 95%M  
Recovered 30 ft. of TOTAL FLUID

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Recovered _____ ft. of _____ | Insurance     |
| Remarks: _____               |               |
| TOOL SAMPLE: 100% MUD        | Total         |

Time Set Packer(s) 5:50 AM A.M. P.M. Time Started Off Bottom 7:55 AM A.M. P.M. Maximum Temperature 122

Initial Hydrostatic Pressure..... (A) 2170 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 5 P.S.I. to (C) 19 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1370 P.S.I.  
Final Flow Period..... Minutes 30 (E) 21 P.S.I. to (F) 32 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1383 P.S.I.  
Final Hydrostatic Pressure..... (H) 2141 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.