



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: SC-LR 1-33 Dst 1

TIME ON: 09:58  
TIME OFF: 18:58

Company Grand Mesa Operating Company Lease & Well No. SC-LR 1-33  
Contractor Duke Drilling Company Charge to Grand Mesa Operating Company  
Elevation 3034 Est Formation Marmaton Effective Pay \_\_\_\_\_ Ft. Ticket No. RR121  
Date 11/20/2014 Sec. 33 Twp. 16 S Range 33 W County Scott State KANSAS  
Test Approved By Bob Schreiber Diamond Representative RICKY RAY

Formation Test No. 1 Interval Tested from 4399 ft. to 4459 ft. Total Depth 4459 ft.  
Packer Depth 4394 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4399 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4381 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4403 ft. Recorder Number 5954 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEM Viscosity 55 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 5400 P.P.M. Drill Pipe Length 4367 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 8 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 60A(29P) 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: 1/4" Blow (BOB in 17 mins) NOBB  
2nd Open: WSB (BOB in 21 1/2 mins) NOBB

Recovered 258 ft. of HWM 65% W 35% M  
Recovered 310 ft. of SLMW 99% W 1% M  
Recovered 568 ft. of Total Fluid

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ PH: 7  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ RW: .35 @ 52 Deg Price Job \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_ Chlorides: 28,000 Other Charges \_\_\_\_\_  
Remarks: Tool Sample: 99% W 1% M Insurance \_\_\_\_\_  
Diesel in Bucket \_\_\_\_\_ Total \_\_\_\_\_

Time Set Packer(s) 12:47 PM A.M. P.M. Time Started Off Bottom 4:32 PM A.M. P.M. Maximum Temperature 124

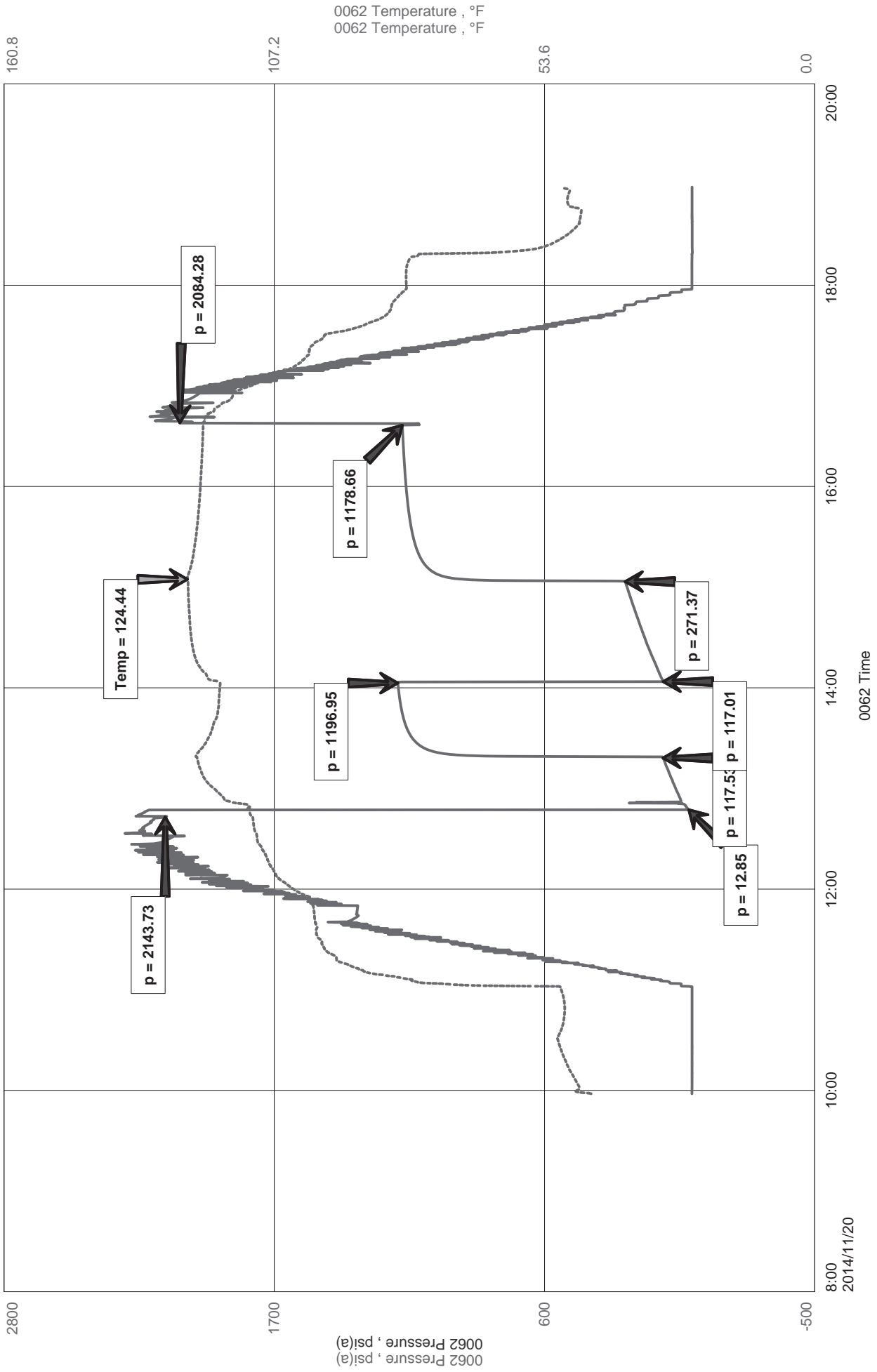
Initial Hydrostatic Pressure..... (A) 2144 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 118 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1197 P.S.I.  
Final Flow Period..... Minutes 60 (E) 117 P.S.I. to (F) 271 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1179 P.S.I.  
Final Hydrostatic Pressure..... (H) 2084 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.

Grand Mesa Operating Company  
Dst 1 Marmaton (4399-4459)  
Start Test Date: 2014/11/20  
Final Test Date: 2014/11/20

SC-LR 1-33  
Formation: Dst 1 Marmaton (4399-4459)  
Pool: Wildcat  
Job Number: RR121

# SC-LR 1-33





Diamond Testing LLC  
 P.O. Box 157  
 Hoisington KS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

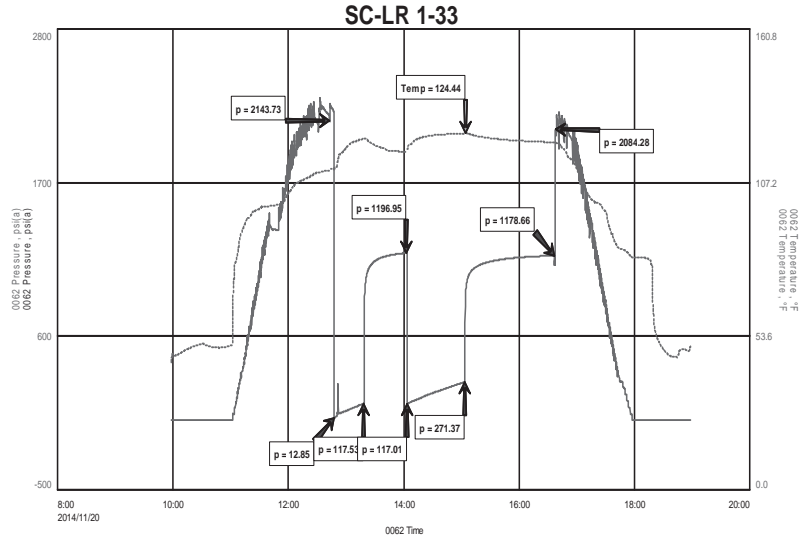
# Wellsite Report

## General Information

Company Name	Grand Mesa Operating Company
Contact	Michael J Rielly
Well Operator	Grand Mesa Operating Company
Well Name	SC-LR 1-33
Surface Location	Sec: 33-16s-33w (Scott County)
Field	Wildcat
Well Type	Vertical
Pool	Wildcat
Test Purpose (AEUB)	Initial Test
Qualified By	Bob Schreiber
Gauge Name	0062

## Test Information

Job Number	RR121
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Marmaton (4399-4459)
Start Test Date	2014/11/20 YYYY/MM/DD
Start Test Time	09:58:00 HH:mm:ss
Final Test Date	2014/11/20 YYYY/MM/DD
Final Test Time	18:58:00 HH:mm:ss



## Test Results

### Recovery:

258'	HMW	65% W	35% M
310'	SLMW	99% W	1% M
568'	Total Fluid		

Tool Sample: 99% W 1% M

PH: 7  
 RW .35 @ 52 Deg  
 Chlorides: 28,000 PPM