

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	GRAND MESA OPERATING COMPANY	Job Number	M505
Well Name	C-F #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4128-4144 E ZONE	Well Operator	GRAND MESA OPERATING COMPANY
Surface Location	SEC.23-12S-32W LOGAN CO.KS.	Report Date	2013/05/25
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	STEVE STRIBLING
		Test Unit	NO. 1

Test Information

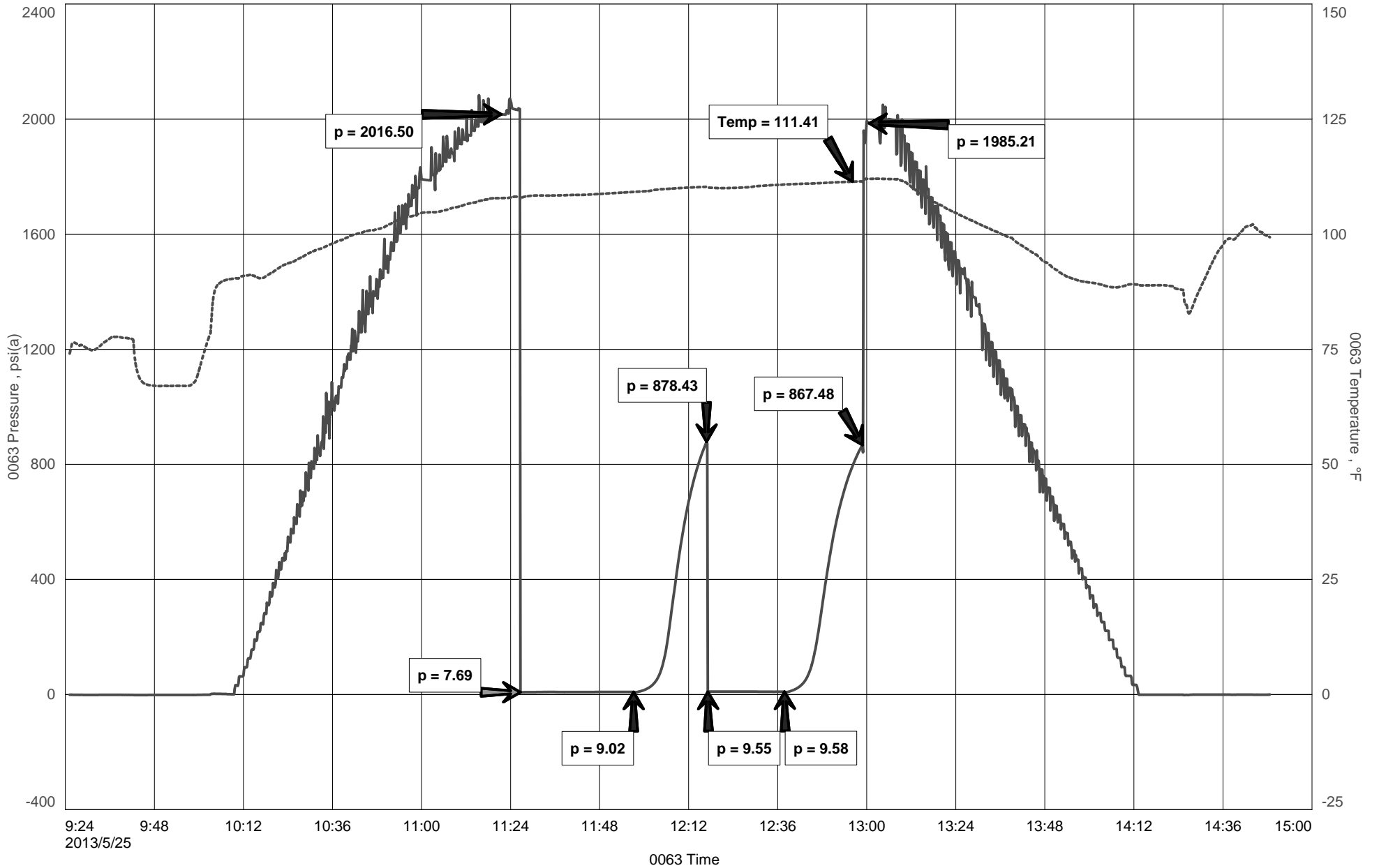
Test Type	CONVENTIONAL		
Formation	DST#1 4128-4144 E ZONE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/05/25	Start Test Time	09:25:00
Final Test Date	2013/05/25	Final Test Time	14:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
3' DM 100% MUD W/ A VERY THIN SCUM OFOIL, & SOME GASSY BUBBLES
3' TOTAL FLUID

TOOL SAMPLE: 100% MUD W/ A VERY THIN SCUM OFOIL, & SOME GASSY BUBBLES

C-F #1-23





DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: CF1-23DST1

TIME ON: 0925
 TIME OFF: 1440

Company GRAND MESA OPERATING COMPANY Lease & Well No. C-F #1-23
 Contractor DUKE RIG 2 Charge to GRAND MESA OPERATING COMPANY
 Elevation 3016 KB Formation E ZONE Effective Pay _____ Ft. Ticket No. M505
 Date 5/25/2013 Sec. 23 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
 Test Approved By STEVE STRIBLING Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 4128 ft. to 4144 ft. Total Depth 4144 ft.
 Packer Depth 4123 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
 Packer Depth 4128 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4110 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) 4141 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
 Below Straddle Recorder Depth 4130 ft. Recorder Number E1150 Cap. 6,125 P.S.I.

Mud Type CHEM Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,200 P.P.M. Drill Pipe Length 4096 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 16 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: A SURGE OF BUBBLES ON TOOL OPEN THEN NO BLOW (NO BB)
 2nd Open: NO BLOW (NO BB)

Recovered <u>3</u> ft. of <u>DM 100% MUD W/ A VERY THIN SCUM OFOIL, & SOME GASSY BUBBLES</u>	Price Job Other Charges Insurance Total
Recovered <u>3</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Remarks: _____	
TOOL SAMPLE: <u>100% MUD W/ A VERY THIN SCUM OFOIL, & SOME GASSY BUBBLES</u>	Total

Time Set Packer(s) 11:15 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 12:45 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 111
 Initial Hydrostatic Pressure..... (A) 2017 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 9 P.S.I.
 Initial Closed In Period..... Minutes 20 (D) 878 P.S.I.
 Final Flow Period..... Minutes 20 (E) 10 P.S.I. to (F) 10 P.S.I.
 Final Closed In Period..... Minutes 20 (G) 867 P.S.I.
 Final Hydrostatic Pressure..... (H) 1985 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.