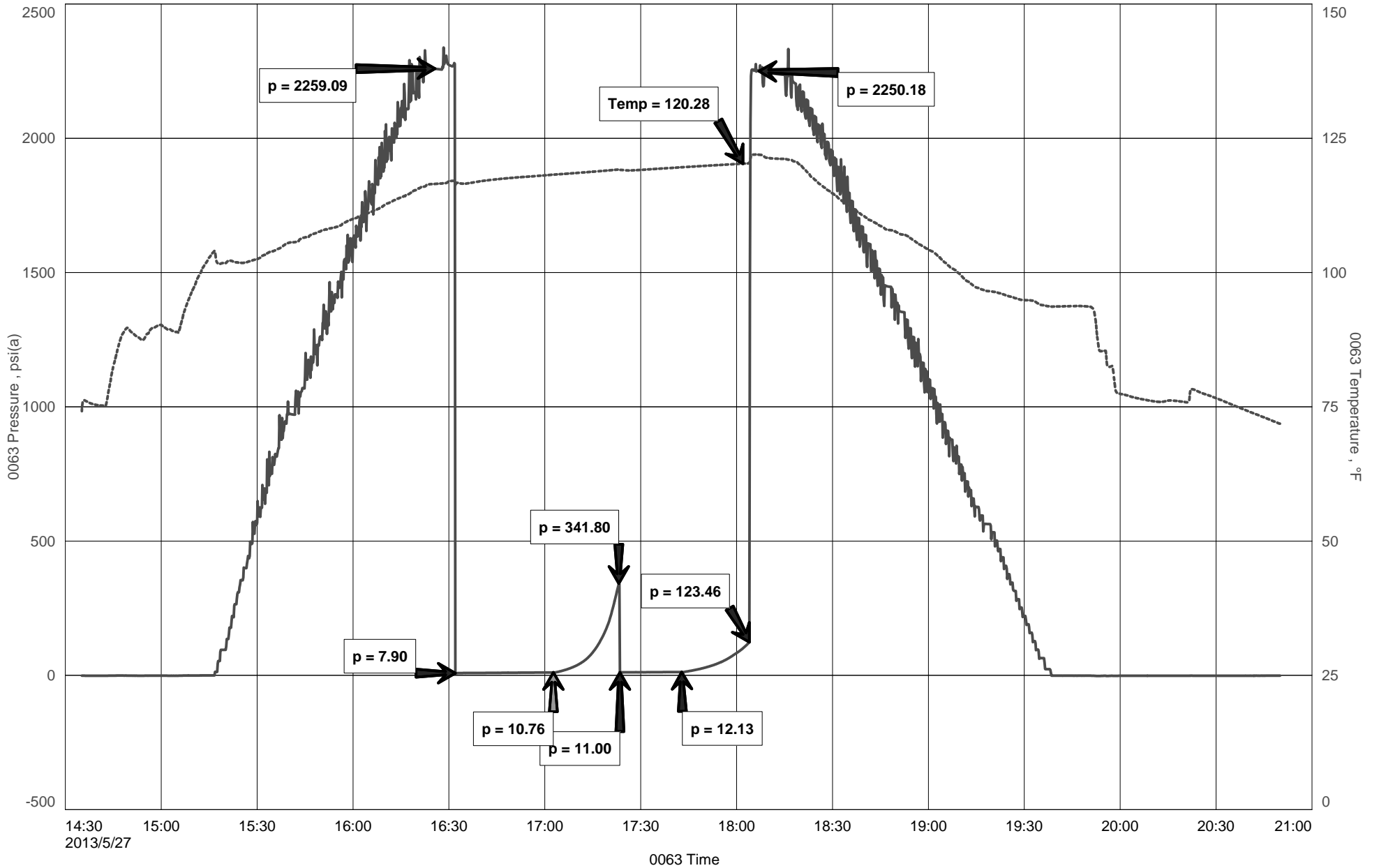


C-F #1-23



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	GRAND MESA OPERATING COMPANY	Job Number	M506
Well Name	C-F #1-23	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4592-4625 JOHNSON	Well Operator	GRAND MESA OPERATING COMPANY
Surface Location	SEC.23-12S-32W LOGAN CO.KS.	Report Date	2013/05/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 4592-4625 JOHNSON		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/05/27	Start Test Time	14:35:00
Final Test Date	2013/05/27	Final Test Time	20:50:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
~ A QUARTER FOOT (~3") OF CO 100% OIL
10' VSOSDM ~100% DM W/A THIN SCUM OF OIL
~10' TOTAL FLUID

GRAVITY: 29.1 @ 60 DEG

TOOL SAMPLE: 100% DM W/A THICK SCUM OF OIL



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: CF1-23DST2

TIME ON: 1435
TIME OFF: 2050

Company GRAND MESA OPERATING COMPANY Lease & Well No. C-F #1-23
Contractor DUKE RIG 2 Charge to GRAND MESA OPERATING COMPANY
Elevation 3015 KB Formation JOHNSON Effective Pay _____ Ft. Ticket No. M506
Date 5/27/2013 Sec. 23 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4592 ft. to 4625 ft. Total Depth 4625 ft.
Packer Depth 4587 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4592 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4574 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4622 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,500 P.P.M. Drill Pipe Length 4560 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 33 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 DIMINISHING UNTIL DEAD @ 6 MIN (NO BB)
2nd Open: NO BLOW (NO BB)

Recovered ~1/4 ft. of CO 100% OIL GRAVITY: 29.1 @ 60°
Recovered 10 ft. of VSOSDM ~100% DM W/A THIN SCUM OF OIL
Recovered ~10 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% DM W/A THICK SCUM OF OIL</u>	Total

Time Set Packer(s) 4:30 P.M. ^{A.M.} P.M. Time Started Off Bottom 6:00 P.M. ^{A.M.} P.M. Maximum Temperature 120

Initial Hydrostatic Pressure..... (A) 2259 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 20 (D) 342 P.S.I.
Final Flow Period..... Minutes 20 (E) 11 P.S.I. to (F) 12 P.S.I.
Final Closed In Period..... Minutes 20 (G) 123 P.S.I.
Final Hydrostatic Pressure..... (H) 2250 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.