

Diamond Testing

General information Report

General Information

Company Name GRAND MESA OPERATING COMPANY

Contact RICHARD J. REILLY
Well Name JANOVA #2-27
Unique Well ID DST #2, JOHNSON, 4563-4602
Surface Location SEC 27-12S-32W, LOGAN CO. KS.
Well License Number
Field WILDCAT
Well Type Vertical

Job Number T214
Representative TIM VENTERS
Well Operator GRAND MESA OPERATING COMPANY
Report Date 2013/05/27
Prepared By TIM VENTERS

Test Type CONVENTIONAL
Formation DST #2, JOHNSON, 4563-4602
Well Fluid Type 01 Oil
Start Test Date 2013/05/27
Final Test Date 2013/05/27

Start Test Time 13:12:00
Final Test Time 22:13:00

Gauge Name 8457
Gauge Serial Number

Test Results

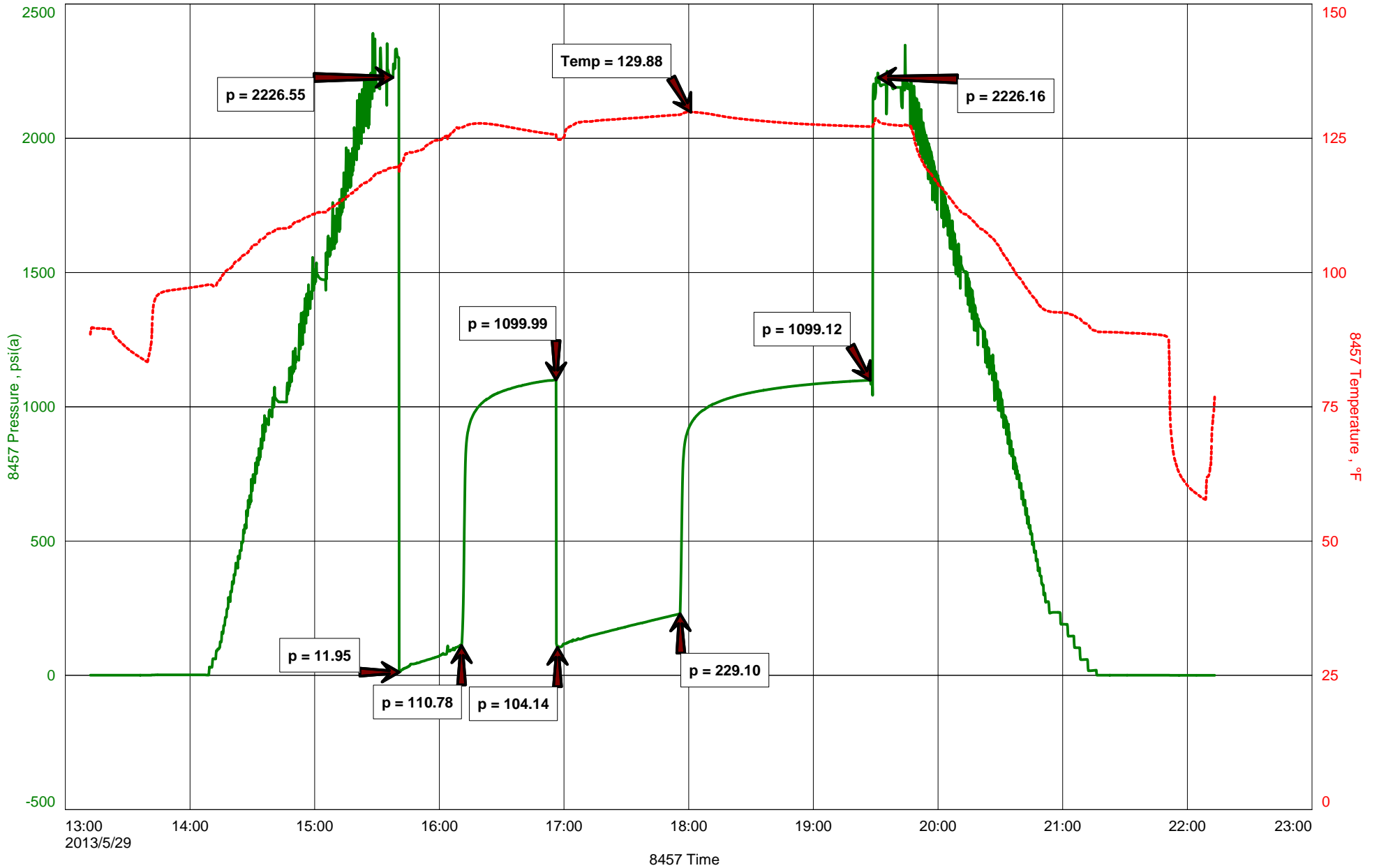
RECOVERED: 1315' GAS IN PIPE

300' GO, 2% GAS, 98% OIL, GRAVITY: 29
60' G, VSOCM, 10% GAS, 4% OIL, 86% MUD
125' G, SW&MCO, 3% GAS, 78% OIL, 8% WATER, 11% MUD
60' VG, HW&MCO, 24% GAS, 39% OIL, 19% WATER, 18% MUD
545' TOTAL FLUID

TOOL SAMPLE: 10% GAS, 49% OIL, 18% WATER, 23% MUD

CHLORIDES: 34,000 ppm
PH: 7.5
RW: .38 @ 64 deg.

JANOVA #2-27





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: JANOVA2-27DST2

TIME ON: 13:12
TIME OFF: 22:13

Company GRAND MESA OPERATING COMPANY Lease & Well No. JANOVA #2-27
Contractor DUKE DRILLING CO., INC. RIG #4 Charge to GRAND MESA OPERATING COMPANY
Elevation 3024 KB Formation JOHNSON Effective Pay -- Ft. Ticket No. T214
Date 5-29-13 Sec. 27 Twp. 12 S Range 32 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative TIM VENTERS

Formation Test No. 2 Interval Tested from 4563 ft. to 4602 ft. Total Depth 4602 ft.
Packer Depth 4558 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 4563 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4544 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4599 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length -- ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 8.8 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4530 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 39 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 1/4 INCH BLOW, BUILDING, REACHING BOB 8 1/2 MIN. (1 1/2 " B.B.)
2nd Open: WEAK SURFACE BLOW, BUILDING, REACHING BOB 10 MIN. (NO B.B.)

Recovered <u>1315</u> ft. of <u>GAS IN PIPE</u>	
Recovered <u>300</u> ft. of <u>GO, 2% GAS, 98% OIL, GRAVITY: 29</u>	
Recovered <u>60</u> ft. of <u>G,VSOCM, 10% GAS, 4% OIL, 86% MUD</u>	
Recovered <u>125</u> ft. of <u>G,SW&MCO, 3% GAS, 78% OIL, 8% WATER, 11% MUD</u>	
Recovered <u>60</u> ft. of <u>VG,HW&MCO, 24% GAS, 39% OIL, 19% WATER, 18% MUD</u>	Price Job
Recovered <u>545</u> ft. of <u>TOTAL FLUID</u> CHLORIDES: <u>34,000</u> ppm	Other Charges
Remarks: <u>PH: 7.5</u>	Insurance
<u>RW: .38 @ 64 deg.</u>	
Tool Sample: <u>10% GAS, 49% OIL, 18% WATER, 23% MUD</u>	Total

Time Set Packer(s) 3:40 PM A.M. P.M. Time Started Off Bottom 7:25 PM A.M. P.M. Maximum Temperature 130 deg.

Initial Hydrostatic Pressure..... (A) 2227 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 111 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1100 P.S.I.
Final Flow Period..... Minutes 60 (E) 104 P.S.I. to (F) 229 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1099 P.S.I.
Final Hydrostatic Pressure..... (H) 2226 P.S.I.

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