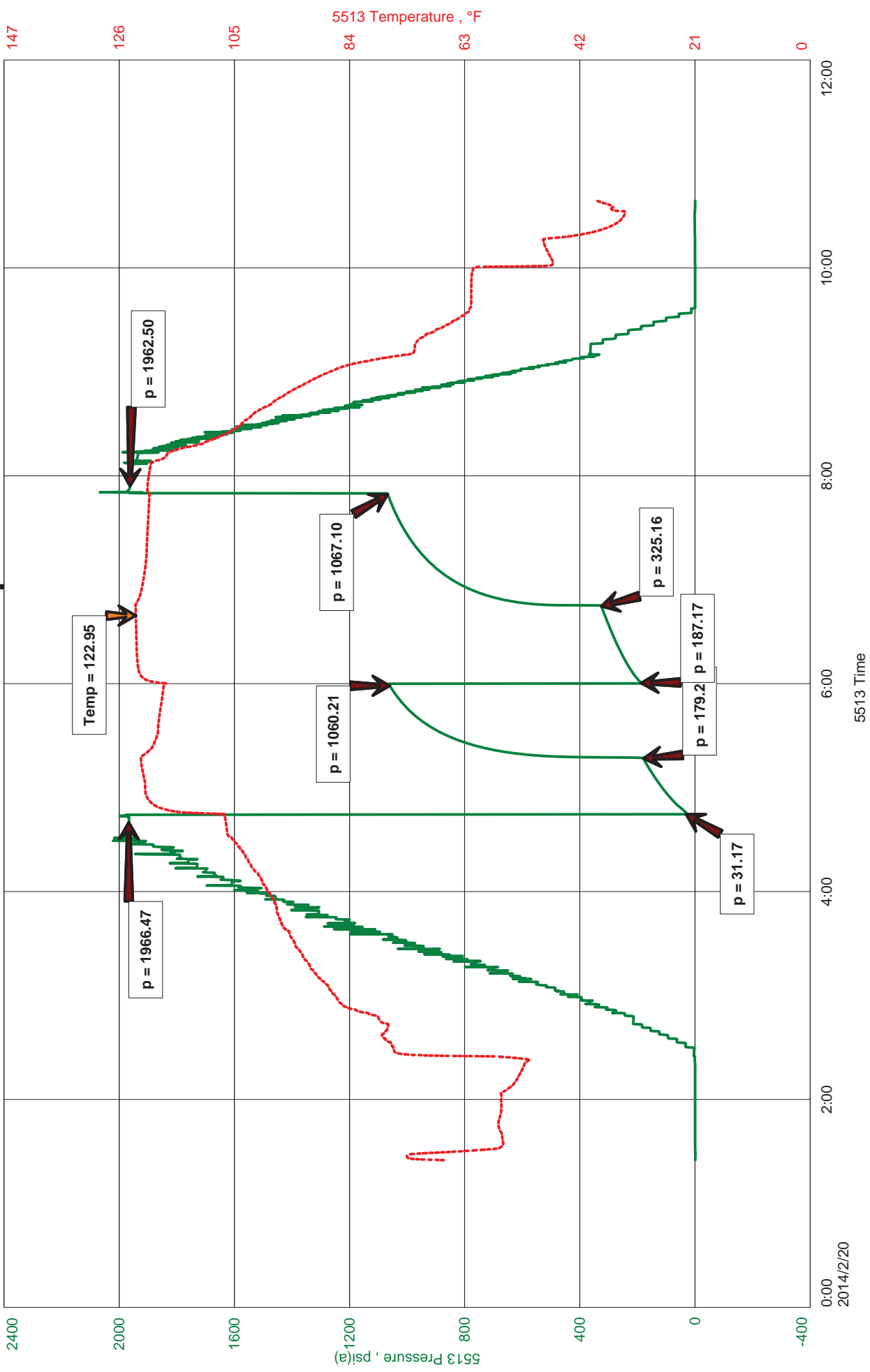


New Gulf Operating, LLC
 DST #2 Lansing E-F 4107-4134
 Start Test Date: 2014/02/20
 Final Test Date: 2014/02/20

#3-10 St Joseph
 Formation: Lansing E-F
 Pool: Wildcat
 Job Number: K089

#3-10 St Joseph





JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	New Gulf Operating, LLC	Job Number	K089
Contact	Jim Henkle	Representative	Jason McLemore
Well Name	#3-10 St Joseph	Well Operator	New Gulf Operating, LLC
Unique Well ID	DST #2 Lansing E-F 4107-4134	Prepared By	Jason McLemore
Surface Location	10-12s-32w-Logan	Qualified By	John Goldsmith
Field	Wildcat	Test Unit	#7
Well Type	Vertical		

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Lansing E-F	Well Operator	New Gulf Operating, LLC
Well Fluid Type	01 Oil	Report Date	2014/02/20
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2014/02/20	Start Test Time	01:25:00
Final Test Date	2014/02/20	Final Test Time	10:40:00

Test Results

RECOVERED:

80 Free Oil
585 VSOCMW, 2% Oil, 93% Water, 5% Mud
665 TOTAL FLUID

CHLORIDES: 85,000

PH: 6

Gravity: 39

300' Gas In Pipe



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: 3stjodst2

TIME ON: 1:25 AM
TIME OFF: 10:40 AM

Company New Gulf Operating, LLC Lease & Well No. #3-10 St Joseph
Contractor Val #4 Charge to New Gulf Operating, LLC
Elevation KB 3032 Formation Lansing E-F Effective Pay _____ Ft. Ticket No. K089
Date 2-20-14 Sec. 10 Twp. 12 S Range 32 W County Logan State KANSAS
Test Approved By John Goldsmith Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 4107 ft. to 4134 ft. Total Depth 4134 ft.
Packer Depth 4102 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4107 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4088 ft. Recorder Number 5513 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4089 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chemical Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1800 P.P.M. Drill Pipe Length 4074 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 6 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out No Anchor Length 27 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: Good Blow, BOB in 4-1/2 Min., Blowback Built to 1/2"
2nd Open: Good Blow, BOB in 9 Min., Blowback Built to 1/4"

Recovered <u>80</u> ft. of Free Oil	
Recovered <u>585</u> ft. of VSOCMW, 2% Oil, 93% Water, 5% Mud	
Recovered <u>665</u> ft. of TOTAL FLUID	
Recovered _____ ft. of 300' Gas In Pipe	
Recovered _____ ft. of CHLORIDES: 85,000	Price Job
Recovered _____ ft. of PH: 6	Other Charges
Remarks: <u>Gravity: 39</u>	Insurance
	Total

Time Set Packer(s) 4:45 AM A.M. P.M. Time Started Off Bottom 7:45 AM A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 1966 P.S.I.
Initial Flow Period..... Minutes 30 (B) 31 P.S.I. to (C) 179 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1060 P.S.I.
Final Flow Period..... Minutes 45 (E) 187 P.S.I. to (F) 325 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1067 P.S.I.
Final Hydrostatic Pressure..... (H) 1963 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.