

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	NEW GULF OPERATING LLC	Job Number	M578
Well Name	RACETTE #2	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4104-4138 D'E'F STRADDLE	Well Operator	NEW GULF OPERATING LLC
Surface Location	SEC.10-12S-32W LOGAN CO.KS.	Report Date	2013/11/18
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN GOLDSMITH
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 4104-4138 D'E'F STRADDLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/17	Start Test Time	23:45:00
Final Test Date	2013/11/18	Final Test Time	08:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
GIP
800' GO 5% GAS, 95% OIL
95' WMO 5% WTR, 95% EMULSIFIED OIL
125' GSOCMW 4% GAS, 6% EMULSIFIED OIL, 55% WTR, 35% MUD (96' DP, 29' DC)
1020' TOTAL FLUID

GRAVITY: 36.8 @ 60 DEG

CHLOR: 48,000 PPM
PH:7.0
RW: .22 @ 55 DEG

TOOL SAMPLE: 95% EMULSIFIED OIL, 5% WTR



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RCTT2DST2

TIME ON: 2345 (11/17)
TIME OFF: 0835 (11/18)

Company NEW GULF OPERATING LLC Lease & Well No. RACETTE #2
Contractor VAL RIG 4 Charge to NEW GULF OPERATING LLC
Elevation 3031 KB Formation _____ D'E'F Effective Pay 4138 Ft. Ticket No. M578
Date 11/17/2013 Sec. 10 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4104 ft. to 4138 ft. Total Depth 4215 ft.
Packer Depth 4099 ft. Size 6 3/4 in. Packer depth 4138 ft. Size 6 3/4 in.
Packer Depth 4104 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4086 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4132 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth 4204 ft. Recorder Number E1150 Cap. 6,125 P.S.I.

Mud Type CHEM Viscosity 58 Drill Collar Length 29 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,700 P.P.M. Drill Pipe Length 4043 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 34 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 34' PERF, 77' T.P. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB, BOB 2 MIN (BOB BB IN 11 MIN)
2nd Open: A SURGE OF BUBBLES ON TOOL OPEN THEN A WSB INCREASING TO BOB 9 MIN (6" BB)

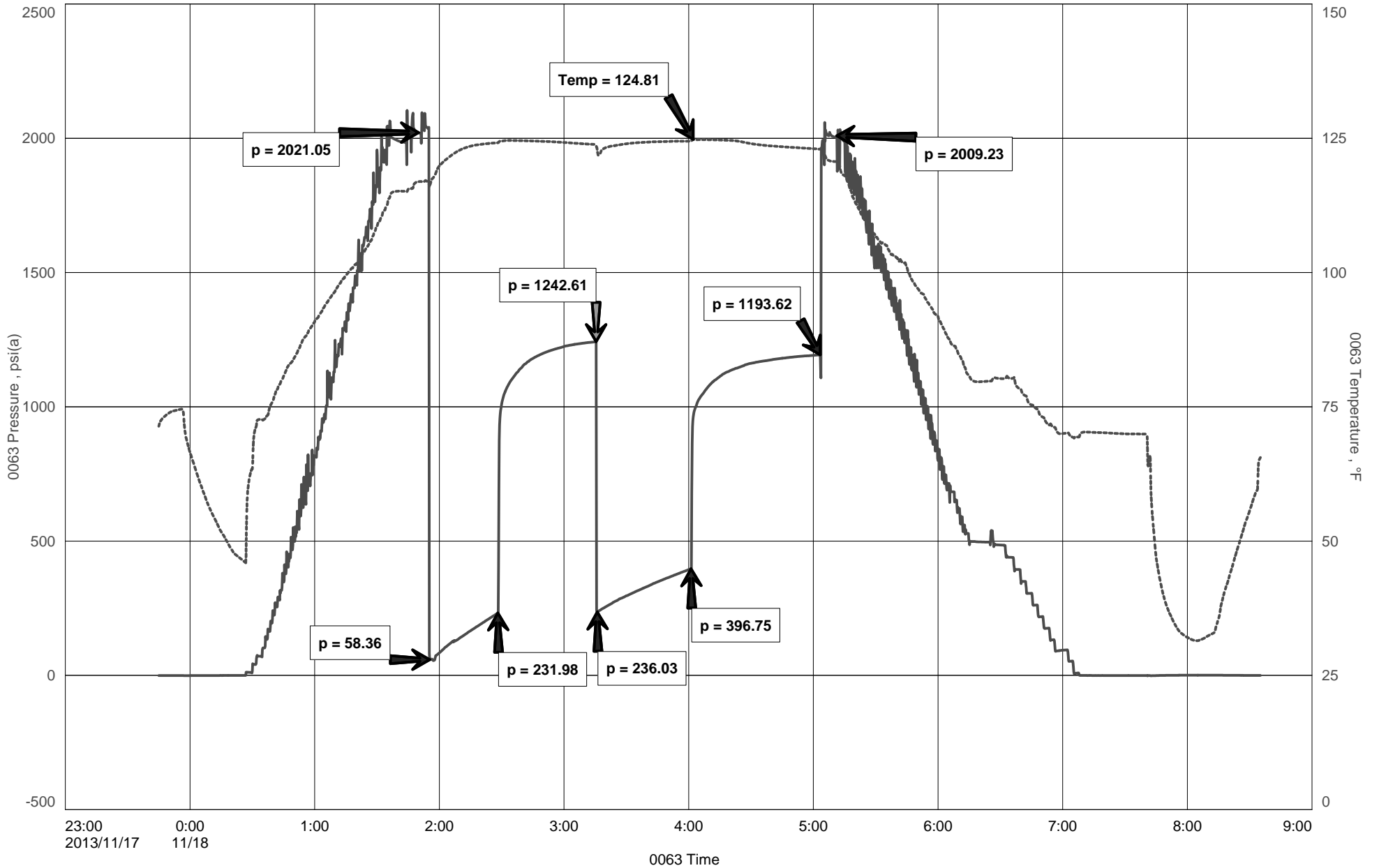
Recovered <u> </u> * ft. of GIP	GRAVITY: <u>36.8 @ 60°</u>	
Recovered <u>800</u> ft. of <u>GO 5% GAS, 95% OIL</u>		
Recovered <u>95</u> ft. of <u>WMO 5% WTR, 95% EMULSIFIED OIL</u>		
Recovered <u>125</u> ft. of <u>GSOCMW 4% GAS, 6% EMULSIFIED OIL, 55% WTR, 35% MUD</u>		<u>(96' DP, 29' DC)</u>
Recovered <u>1020</u> ft. of <u>TOTAL FLUID</u>		Price Job
Recovered <u> </u> ft. of <u>CHLOR: 48,000 PPM PH:7.0 RW: .22 @ 55 DEG</u>		Other Charges
Remarks: <u>BELOW STRADDLE PSI: 1463</u>		Insurance
<u>*AMOUNT OF GIP UNKNOWN DUE TO DRILL PIPE FULL OF GAS FROM DST#1</u>		
<u>TOOL SAMPLE: 95% EMULSIFIED OIL, 5% WTR</u>		Total

Time Set Packer(s) 2:00 A.M. A.M. P.M. Time Started Off Bottom 5:00 A.M. A.M. P.M. Maximum Temperature 125°F

Initial Hydrostatic Pressure..... (A) 2021 P.S.I.
Initial Flow Period..... Minutes 30 (B) 58 P.S.I. to (C) 232 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1243 P.S.I.
Final Flow Period..... Minutes 45 (E) 236 P.S.I. to (F) 397 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1194 P.S.I.
Final Hydrostatic Pressure..... (H) 2009 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.

RACETTE #2



NEW GULF OPERATING LLC
DST#2 4104-4138 D'E'F STRADDLE
Start Test Date: 2013/11/17
Final Test Date: 2013/11/18

RACETTE #2
Formation: DST#2 4104-4138 D'E'F STRADDLE
Pool: WILDCAT
Job Number: M578

RACETTE #2

