

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	NEW GULF OPERATING LLC	Job Number	M577
Well Name	RACETTE #2	Representative	MIKE COCHRAN
Unique Well ID	DST#1 4178-4215 H ZONE	Well Operator	NEW GULF OPERATING LLC
Surface Location	SEC.10-12S-32W LOGAN CO.KS.	Report Date	2013/11/17
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN GOLDSMITH
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 4178-4215 H ZONE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/17	Start Test Time	12:40:00
Final Test Date	2013/11/17	Final Test Time	22:45:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

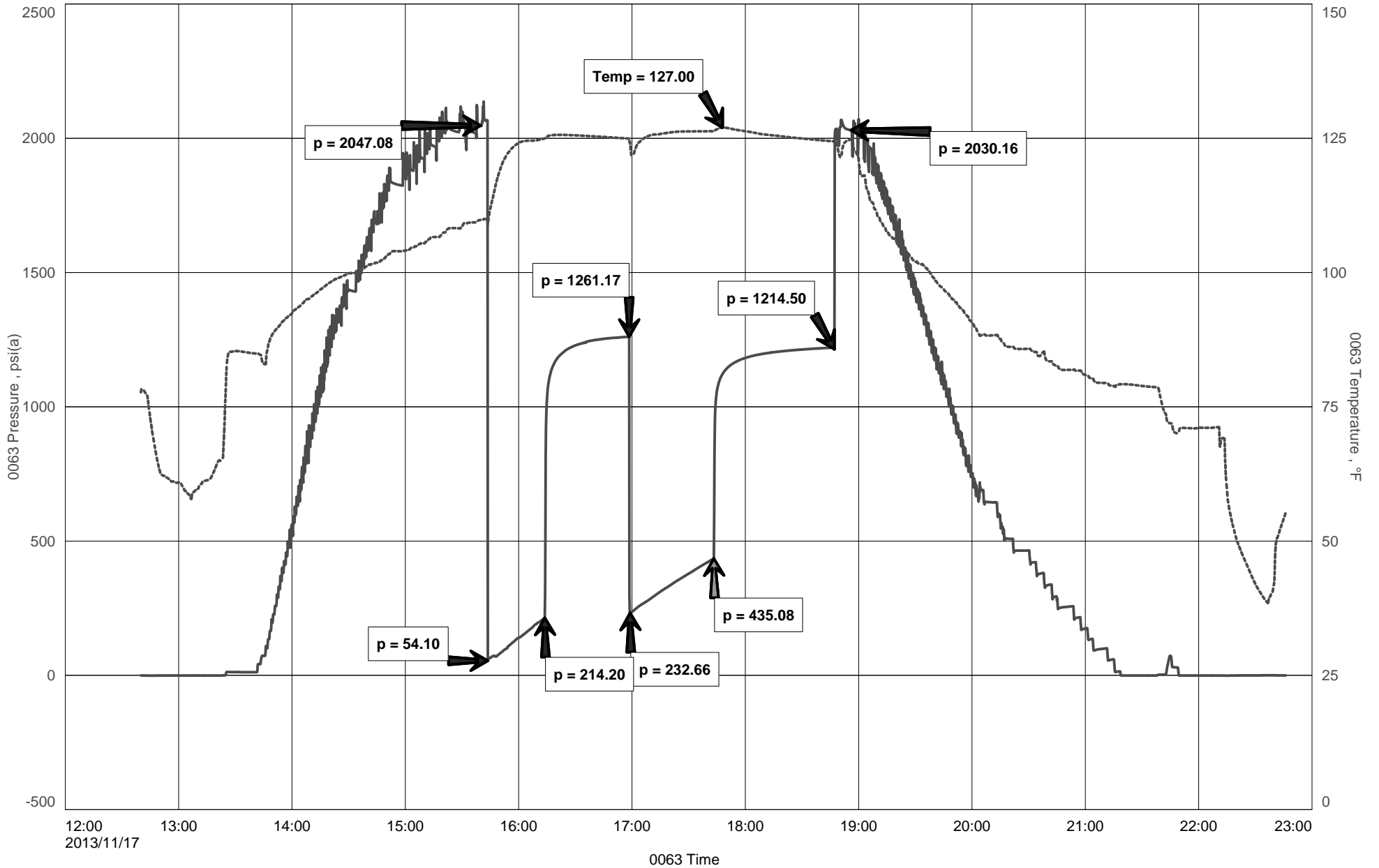
### Test Results

Remarks RECOVERED:  
2755' GIP  
1073' GO 5% GAS, 95% OIL  
109' GMCO 8% GAS, 57% OIL, 35% MUD (80' DP, 29' DC)  
1182" TOTAL FLUID

GRAVITY: 38.6 @ 60 DEG

TOOL SAMPLE: 2% GAS, 47% OIL, 51% MUD

# RACETTE #2





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: RCTT2DST1

TIME ON: 1240  
TIME OFF: 2245

Company NEW GULF OPERATING LLC Lease & Well No. RACETTE #2  
Contractor VAL RIG 4 Charge to NEW GULF OPERATING LLC  
Elevation 3031 KB Formation H ZONE Effective Pay \_\_\_\_\_ Ft. Ticket No. M577  
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. 1 Interval Tested from 4178 ft. to 4215 ft. Total Depth 4215 ft.  
Packer Depth 4173 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 4178 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4160 ft. Recorder Number 0063 Cap. 6,000 P.S.I.  
Bottom Recorder Depth (Outside) 4212 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 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 4117 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 37 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: SSB, 1" RIGHT AWAY, BOB 2 1/4 MIN (BOB BB IN 7 1/2 MIN)  
2nd Open: SSB, 2" RIGHT AWAY, BOB 4 MIN (BOB BB IN 11 MIN)

Recovered 2755 ft. of GIP GRAVITY: 38.6 @ 60°  
Recovered 1073 ft. of GO 5% GAS, 95% OIL  
Recovered 109 ft. of GMCO 8% GAS, 57% OIL, 35% MUD (80' DP, 29' DC)  
Recovered 1182 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>2% GAS, 47% OIL, 51% MUD</u>	Total

Time Set Packer(s) 3:45 P.M. A.M. P.M. Time Started Off Bottom 6:45 P.M. A.M. P.M. Maximum Temperature 127°F

Initial Hydrostatic Pressure..... (A) 2047 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 54 P.S.I. to (C) 214 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1261 P.S.I.  
Final Flow Period..... Minutes 45 (E) 233 P.S.I. to (F) 435 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1215 P.S.I.  
Final Hydrostatic Pressure..... (H) 2030 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.