



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RCTT2DST5

TIME ON: 0625
TIME OFF: 1425

Company NEW GULF OPERATING LLC Lease & Well No. RACETTE #2
Contractor VAL RIG 4 Charge to NEW GULF OPERATING LLC
Elevation 3031 KB Formation _____ "K" Effective Pay _____ Ft. Ticket No. M581
Date 11/20/2013 Sec. 10 Twp. _____ 12 S Range _____ 32 W County LOGAN State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4260 ft. to 4298 ft. Total Depth 4298 ft.
Packer Depth 4255 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4260 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4242 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4295 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 61 Drill Collar Length 29 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,700 P.P.M. Drill Pipe Length 4199 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 38 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 WEAK INTERMITTENT SURFACE BLOW INCREASING TO 3 1/2" (NO BB)
2nd Open: WSB, INC. TO 7" (NO BB)

Recovered -2 +/- ft. of OIL/MUDDY OIL (ESTIMATED) GRAVITY: 39.8 @ 60°
Recovered 124 ft. of VSOSGMW 1% GAS, 68% WTR, 31% MUD W/ A THIN SCUM OF OIL (95' DP, 29' DC)
Recovered 126 ft. of TOTAL FLUID

Recovered _____ ft. of <u>PH: 8.0</u>	Price Job
Recovered _____ ft. of <u>CHLOR: 32,000 PPM</u>	
Recovered _____ ft. of <u>RW: .25@ 68DEG</u>	
Remarks: _____	
TOOL SAMPLE: <u>98% WTR, 2% MUD W/ A VERY THIN SCUM OF OIL</u>	Total

Time Set Packer(s) 9:00 A.M. A.M. P.M. Time Started Off Bottom 12:00 P.M. A.M. P.M. Maximum Temperature 117°F

Initial Hydrostatic Pressure..... (A) 2035 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 45 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1319 P.S.I.
Final Flow Period..... Minutes 45 (E) 48 P.S.I. to (F) 73 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1313 P.S.I.
Final Hydrostatic Pressure..... (H) 2016 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	NEW GULF OPERATING LLC	Job Number	M581
Well Name	RACETTE #2	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4260-4298 "K"	Well Operator	NEW GULF OPERATING LLC
Surface Location	SEC.10-12S-32W LOGAN CO.KS.	Report Date	2013/11/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN GOLDSMITH
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 4260-4298 "K"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/20	Start Test Time	06:25:00
Final Test Date	2013/11/20	Final Test Time	14:25:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
~2 FOOT +/- OIL/MUDDY OIL (ESTIMATED)
124' VSOSGMW 1% GAS, 68% WTR, 31% MUD W/ A THIN SCUM OF OIL (95' DP, 29' DC)
126' TOTAL FLUID

GRAVITY: 39.8 @ 60 DEG

CHLOR: 32,000 PPM
PH:8.0
RW: .25 @ 68 DEG

TOOL SAMPLE: 98% WTR, 2% MUD W/ A VERY THIN SCUM OF OIL

RACETTE #2

