

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
MARIUS1-15DST1

Company New Gulf Operating, LLC Lease & Well No. Marius No. 1-15
Elevation 3038 KB Formation Altamont "A" Effective Pay Ft. Ticket No. T389
Date 9-3-14 Sec. 15 Twp. 14S Range 34W County Logan State Kansas
Test Approved By John Goldsmith Diamond Representative Tim Venters

Formation Test No. 1 Interval Tested from 4,262 ft. to 4,326 ft. Total Depth 4,326 ft.
Packer Depth 4,257 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 4,262 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,243 ft. Recorder Number 8457 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 4,323 ft. Recorder Number 11030 Cap. 5,025 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 58 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 59 Weight Pipe Length ft I.D. in.
Weight 9.1 Water Loss 8.8 cc. Drill Pipe Length 4,171 ft I.D. 3 1/2 in.
Chlorides 5,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 2 Anchor Length 33' perf. w/31' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/2 in. blow increasing. Off bottom of bucket in 9 1/2 mins. Weak, 1 in. blow back during shut-in.
2nd Open: Weak, 1/4 in. blow increasing. Off bottom of bucket in 12 1/2 mins. Weak, surface blow back during shut-in.

Recovered 405 ft. of clean oil = 5.763150 bbls. (Grind out: 100%-oil) Gravity: 32 @ 60°
Recovered 15 ft. of muddy, slightly water cut oil = .213450 bbls. (Grind out: 61%-oil; 7%-water; 32%-mud)
Recovered 250 ft. of slightly oil & water cut mud = 3.557500 bbls. (Grind out: 24%-oil; 12%-water; 64%-mud)
Recovered 120 ft. of gassy, slightly oil & mud cut water = 1.167620 bbls. (Grind out: 4%-gas; 6%-oil; 62%-water; 28%-mud)
Recovered 790 ft. of TOTAL FLUID = 10.701720 bbls. Chlorides: 29,000 Ppm PH: 7.5 RW: .25 @ 70°

Recovered ft. of
Remarks Tool Sample Grind Out: 37%-oil; 30%-water; 33%-mud

Time Set Packer(s) 4:29 P.M. Time Started off Bottom 7:29 P.M. Maximum Temperature 121°
Initial Hydrostatic Pressure.....(A) 2007 P.S.I.
Initial Flow Period.....Minutes 30 (B) 46 P.S.I. to (C) 172 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 1291 P.S.I.
Final Flow Period.....Minutes 45 (E) 181 P.S.I. to (F) 327 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1258 P.S.I.
Final Hydrostatic Pressure.....(H) 2004 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
Contact JIM HENKLE
Well Name MARIUS #1-15
Unique Well ID DST #1, ALTAMONT "A", 4262-4326
Surface Location SEC 15-14S-34W, LOGAN CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, ALTAMONT "A", 4262-4326
Well Fluid Type 01 Oil

Start Test Date 2014/09/03
Final Test Date 2014/09/03

Representative TIM VENTERS
Well Operator NEW GULF OPERATING, LLC
Report Date 2014/09/03
Prepared By TIM VENTERS

Qualified By JOHN GOLDSMITH

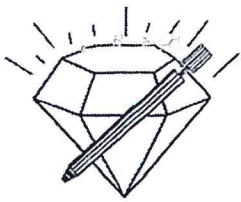
Start Test Time 13:50:00
Final Test Time 22:35:00

Test Recovery:

RECOVERED: 405' CO, 100% OIL, GRAVITY: 32
 15' M,SWCO, 61% OIL, 7% WATER, 32% MUD
 250' SO&WCM, 24% OIL, 12% WATER, 64% MUD
 120' G,SO&MCW, 4% GAS, 6% OIL, 62% WATER, 28% MUD
 790' TOTAL FLUID

TOOL SAMPLE: 37% OIL, 30% WATER, 33% MUD

CHLORIDES: 29,000 ppm
PH: 7.5
RW: .25 @ 70 deg.



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MARIUS1-15DST2

Company New Gulf Operating, LLC Lease & Well No. Marius No. 1-15
Elevation 3038 KB Formation Altamont "C" Effective Pay _____ Ft. Ticket No. T390
Date 9-4-14 Sec. 15 Twp. 14S Range 34W County Logan State Kansas
Test Approved By John Goldsmith Diamond Representative Tim Venters

Formation Test No. 2 Interval Tested from 4,324 ft. to 4,384 ft. Total Depth 4,384 ft.
Packer Depth 4,319 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,324 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,305 ft. Recorder Number 8457 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 4,381 ft. Recorder Number 11030 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 58 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 58 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 4,233 ft I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 2 Anchor Length 29' perf. w/31' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow. No blow back during shut-in.
2nd Open: No blow. No blow back during shut-in.

Recovered 65 ft. of mud = .384970 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: Trace-oil; 100%-mud

Time Set Packer(s) 12:50 P.M. Time Started off Bottom 2:50 P.M. Maximum Temperature 112°
Initial Hydrostatic Pressure.....(A) 2021 P.S.I.
Initial Flow Period.....Minutes 30 (B) 49 P.S.I. to (C) 52 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 442 P.S.I.
Final Flow Period.....Minutes 30 (E) 53 P.S.I. to (F) 54 P.S.I.
Final Closed In Period.....Minutes 30 (G) 335 P.S.I.
Final Hydrostatic Pressure.....(H) 2019 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
 Contact JIM HENKLE
 Well Name MARIUS #1-15
 Unique Well ID DST #2, ALTAMONT "C", 4324-4384
 Surface Location SEC 15-14S-34W, LOGAN CO. KS.
 Field WILDCAT
 Well Type Vertical
 Test Type CONVENTIONAL
 Formation DST #2, ALTAMONT "C", 4324-4384
 Well Fluid Type 01 Oil

Representative TIM VENTERS
 Well Operator NEW GULF OPERATING, LLC
 Report Date 2014/09/04
 Prepared By TIM VENTERS

Qualified By JOHN GOLDSMITH

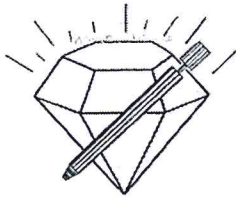
Start Test Date 2014/09/04
 Final Test Date 2014/09/04

Start Test Time 10:10:00
 Final Test Time 16:57:00

Test Recovery:

RECOVERED: 65' MUD

TOOL SAMPLE: TRACE OIL, 100% MUD



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MARIUS1-15DST3

Company New Gulf Operating, LLC Lease & Well No. Marius No. 1-15
Elevation 3038 KB Formation Fort Scott Effective Pay _____ Ft. Ticket No. T391
Date 9-5-14 Sec. 15 Twp. 14S Range 34W County Logan State Kansas
Test Approved By John Goldsmith Diamond Representative Tim Venters

Formation Test No. 3 Interval Tested from 4,414 ft. to 4,468 ft. Total Depth 4,468 ft.
Packer Depth 4,409 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,414 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,395 ft. Recorder Number 8457 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 4,465 ft. Recorder Number 11030 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 58 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 59 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,323 ft I.D. 3 1/2 in.
Chlorides 7,200 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 2 Anchor Length 22' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, 1/4 in. blow increasing to 2 1/2 ins. No blow back during shut-in.
2nd Open: Very weak, surface blow increasing to 1/2 in. No blow back during shut-in.

Recovered 85 ft. of slightly oil & water cut mud = .669570 bbls. (Grind out: 10%-oil; 4%-water; 86%-mud)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 18%-oil; 14%-water; 68%-mud (Chlorides: 18,000 Ppm PH: 8.0 RW: .41 @ 62°)

Time Set Packer(s) 10:07 A.M. Time Started off Bottom 12:37 P.M. Maximum Temperature 115°
Initial Hydrostatic Pressure.....(A) 2084 P.S.I.
Initial Flow Period.....Minutes 30 (B) 9 P.S.I. to (C) 36 P.S.I.
Initial Closed In Period.....Minutes 45 (D) 922 P.S.I.
Final Flow Period.....Minutes 30 (E) 40 P.S.I. to (F) 45 P.S.I.
Final Closed In Period.....Minutes 45 (G) 773 P.S.I.
Final Hydrostatic Pressure.....(H) 2082 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
 Contact JIM HENKLE
 Well Name MARIUS #1-15
 Unique Well ID DST #3, FT. SCOTT, 4414-4468
 Surface Location SEC 15-14S-34W, LOGAN CO. KS.
 Field WILDCAT
 Well Type Vertical
 Test Type CONVENTIONAL
 Formation DST #4, FT. SCOTT, 4414-4468
 Well Fluid Type 01 Oil

Representative TIM VENTERS
 Well Operator NEW GULF OPERATING, LLC
 Report Date 2014/09/05
 Prepared By TIM VENTERS
 Qualified By JOHN GOLDSMITH

Start Test Date 2014/09/05
 Final Test Date 2014/09/05

Start Test Time 07:43:00
 Final Test Time 15:10:00

Test Recovery:

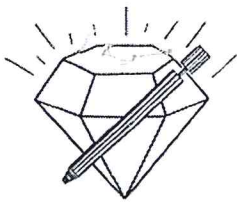
RECOVERED: 85' SO&WCM, 10% OIL, 4% WATER, 86% MUD

TOOL SAMPLE: 18% OIL, 14% WATER, 68% MUD

CHLORIDES: 18,000 ppm

PH: 8.0

RW. .41 @ 62 deg.



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MARIUS1-15DST4

Company New Gulf Operating, LLC Lease & Well No. Marius No. 1-15
Elevation 3038 KB Formation Mississippi Effective Pay _____ Ft. Ticket No. T392
Date 9-6-14 Sec. 15 Twp. 14S Range 34W County Logan State Kansas
Test Approved By John Goldsmith Diamond Representative Tim Venters

Formation Test No. 4 Interval Tested from 4,568 ft. to 4,638 ft. Total Depth 4,638 ft.
Packer Depth 4,563 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,568 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,549 ft. Recorder Number 8457 Cap. 10,000 psi.
Bottom Recorder Depth (Outside) 4,635 ft. Recorder Number 11030 Cap. 5,025 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length 58 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 50 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,477 ft I.D. 3 1/2 in.
Chlorides 6,700 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 2 Anchor Length 38' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

3low: 1st Open: Weak, 1/4 in. blow increasing. Off bottom of bucket in 13 1/2 mins. Weak, 1 1/4 in. blow back during shut-in.
2nd Open: Weak, 1/4 in. blow increasing. Off bottom of bucket in 9 mins. Weak, 1 1/2 in. blow back during shut-in.

Recovered 435 ft. of gas in pipe
Recovered 370 ft. of gassy oil = 5.265100 bbls. (Grind out: 7%-gas; 93%-oil) Gravity: 31 @ 60°
Recovered 130 ft. of gas & heavy mud cut oil = 1.849900 bbls. (Grind out: 11%-gas; 48%-oil; 41%-mud)
Recovered 125 ft. of slightly water & mud cut oil = 1.778750 bbls. (Grind out: 62%-oil; 3%-water; 35%-mud)
Recovered 60 ft. of slightly water & mud cut oil = .313820 bbls. (Grind out: 85%-oil; 3%-water; 12%-mud)
Recovered 685 ft. of TOTAL FLUID = 9.207570 bbls.
Remarks Tool Sample Grind Out: 65%-oil; 14%-water; 21%-mud (Chlorides: 16,000 Ppm PH: 7.5 RW: .51 @ 61°)

Time Set Packer(s) 5:41 P.M. Time Started off Bottom 8:48 P.M. Maximum Temperature 124°
Initial Hydrostatic Pressure.....(A) 2178 P.S.I.
Initial Flow Period.....Minutes 30 (B) 20 P.S.I. to (C) 132 P.S.I.
Initial Closed In Period.....Minutes 47 (D) 1053 P.S.I.
Initial Flow Period.....Minutes 50 (E) 146 P.S.I. to (F) 275 P.S.I.
Initial Closed In Period.....Minutes 60 (G) 987 P.S.I.
Initial Hydrostatic Pressure.....(H) 2176 P.S.I.

DIAMOND TESTING

General Information Report

General Information

Company Name NEW GULF OPERATING, LLC
 Contact JIM HENKLE
 Well Name MARIUS #1-15
 Unique Well ID DST #4, MISSISSIPPIAN, 4568-4638
 Surface Location SEC 15-14S-34W, LOGAN CO. KS.
 Field WILDCAT
 Well Type Vertical
 Test Type CONVENTIONAL
 Formation DST #4, MISSISSIPPIAN, 4568-4638
 Well Fluid Type 01 Oil

 Start Test Date 2014/09/06
 Final Test Date 2014/09/06

Representative TIM VENTERS
 Well Operator NEW GULF OPERATING, LLC
 Report Date 2014/09/07
 Prepared By TIM VENTERS

 Qualified By JOHN GOLDSMITH

 Start Test Time 15:09:00
 Final Test Time 23:51:00

Test Recovery:

RECOVERED: 435' GAS IN PIPE
 370' GO, 7% GAS, 93% OIL, GRAVITY: 31
 130' G,HMCO, 11% GAS, 48% OIL, 41% MUD
 125' SW,MCO, 62% OIL, 3% WATER, 35% MUD
 60' SW&MCO, 85% OIL, 3% WATER, 12% MUD
 685' TOTAL FLUID

TOOL SAMPLE: 65% OIL, 14% WATER, 21% MUD

CHLORIDES: 16,000 ppm
PH: 7.5
RW: .51 @ 61 DEG.