



DIAMOND TESTING, LLC
 P.O. Box 157
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 MILLER1-20DST1

Company Gulf Exploration, LLC Lease & Well No. Miller No. 1-20
 Elevation 3320 KB Formation Lansing/Kansas City "A-F" Effective Pay _____ Ft. Ticket No. T543
 Date 7-19-16 Sec. 20 Twp. 7S Range 35W County Thomas State Kansas
 Test Approved By Mike Madcharo Diamond Representative _____ Tim Venters

Formation Test No. 1 Interval Tested from 4,128 ft. to 4,240 ft. Total Depth 4,240 ft.
 Packer Depth 4,123 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4,128 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,109 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 4,237 ft. Recorder Number 11029 Cap. 5,025 psi.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Murfin Drilling Company, Inc. - Rig 7 Drill Collar Length 187 ft I.D. 2 1/4 in.
 Mud Type Chemical Viscosity 55 Weight Pipe Length _____ ft I.D. _____ in.
 Weight 9.1 Water Loss 6.8 cc. Drill Pipe Length 3,908 ft I.D. 3 1/2 in.
 Chlorides 2,200 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 18' perf. w/94' 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 increasing. Off bottom of bucket in 26 mins. No blow back during shut-in.
 2nd Open: Very weak, surface blow increasing. Off bottom of bucket in 32 mins. No blow back during shut-in.

Recovered 45 ft. of mud = .640350 bbls.
 Recovered 125 ft. of watery mud = 1.778750 bbls. (Grind out: 26%-water; 74%-mud)
 Recovered 125 ft. of watery mud = 1.760130 bbls. (Grind out: 46%-water; 54%-mud)
 Recovered 125 ft. of mud cut water = .615000 bbls. (Grind out: 76%-water; 24%-mud)
 Recovered 60 ft. of mud cut water = .295200 bbls. (Grind out: 89%-water; 11%-mud) Chlorides: 48,000 Ppm PH: 7.5 RW: .16 @ 78°
 Recovered 480 ft. of TOTAL FLUID = 5.089430 bbls.
 Recovered _____ ft. of _____

Remarks: Sampler Grind Out: 500 ml-water; 3,500 ml-mud; 50 psi

Time Set Packer(s) 2:31 P.M. Time Started off Bottom 6:16 P.M. Maximum Temperature 127°
 Initial Hydrostatic Pressure.....(A) 1916 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 18 P.S.I. to (C) 155 P.S.I.
 Initial Closed In Period.....Minutes 60 (D) 1239 P.S.I.
 Final Flow Period.....Minutes 45 (E) 157 P.S.I. to (F) 240 P.S.I.
 Final Closed In Period.....Minutes 90 (G) 1225 P.S.I.
 Final Hydrostatic Pressure.....(H) 1912 P.S.I.

GULF EXPLORATION, LLC
DST #1, LKC "A-F", 4128-4240
Start Test Date: 2016/07/19
Final Test Date: 2016/07/19

MILLER #1-20
Formation: DST #1, LKC "A-F", 4128-4240
Pool: WILDCAT
Job Number: T543

MILLER #1-20

