



DIAMOND TESTING, LLC
 P.O. Box 157
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 MILLER1-20DST3

Company Gulf Exploration, LLC Lease & Well No. Miller No. 1-20
 Elevation 3320 KB Formation Marmaton Group Effective Pay Ft. Ticket No. T545
 Date 7-22-16 Sec. 20 Twp. 7S Range 35W County Thomas State Kansas
 Test Approved By Mike Madcharo Diamond Representative Tim Venters

Formation Test No. 3 Interval Tested from 4,427 ft. to 4,593 ft. Total Depth 4,593 ft.
 Packer Depth 4,422 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Packer Depth 4,427 ft. Size 6 3/4 in. Packer Depth ft. Size in.
 Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,408 ft. Recorder Number 5504 Cap. 5,000 psi.
 Bottom Recorder Depth (Outside) 4,590 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 57 Weight Pipe Length ft I.D. in.
 Weight 9.1 Water Loss 7.2 cc. Drill Pipe Length 4,207 ft I.D. 3 1/2 in.
 Chlorides 4,600 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
 Jars: Make Sterling Serial Number 4 Anchor Length 39' perf. w/127' 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 8 ins. No blow back during shut-in.
 2nd Open: Very weak, surface blow increasing to 8 ins. No blow back during shut-in.

Recovered 360 ft. of drilling mud = 3.381830 bbls.
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks: Sampler Grind Out: 4,000 ml-drilling mud

Time Set Packer(s) 9:26 A.M. Time Started off Bottom 1:11 P.M. Maximum Temperature 131°
 Initial Hydrostatic Pressure.....(A) 2096 P.S.I.
 Initial Flow Period.....Minutes 30 (B) 30 P.S.I. to (C) 132 P.S.I.
 Initial Closed In Period.....Minutes 60 (D) 1334 P.S.I.
 Final Flow Period.....Minutes 45 (E) 133 P.S.I. to (F) 211 P.S.I.
 Final Closed In Period.....Minutes 90 (G) 1320 P.S.I.
 Final Hydrostatic Pressure.....(H) 2095 P.S.I.

GULF EXPLORATION, LLC
DST #3, MARMATON GR., 4427-4593
Start Test Date: 2016/07/22
Final Test Date: 2016/07/22

MILLER #1-20
Formation: DST #3, MARMATON GR., 4427-4593
Pool: WILDCAT
Job Number: T545

MILLER #1-20

