



DIAMOND TESTING, LLC
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MOFFETTD2DST1

Company Range Oil Company, Inc. Lease & Well No. Moffett "D" No. 2
Elevation 1430 KB Formation Conglomerate Sand Effective Pay _____ Ft. Ticket No. A053
Date 5-7-14 Sec. 25 Twp. 22S Range 3E County Marion State Kansas
Test Approved By Ken Wallace Diamond Representative Andy Carreira

Formation Test No. 1 Interval Tested from 2,468 ft. to 2,503 ft. Total Depth 2,503 ft.
Packer Depth 2,463 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,468 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,454 ft. Recorder Number 5585 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 2,470 ft. Recorder Number 8471 Cap. 10,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Summit Drilling Company - Rig 1 Drill Collar Length 318 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 55 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 7.8 cc. Drill Pipe Length 2,122 ft I.D. 3 in.
Chlorides 1,100 P.P.M. Test Tool Length 28 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 35 ft. 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 3 1/2-XH in.

Blow: 1st Open: Blow increasing. Off bottom of bucket in 9 mins. No blow back during shut-in.
2nd Open: Blow increasing. Off bottom of bucket in 10 mins. No blow back during shut-in.

Recovered 406 ft. of clean gassy oil = 3.089520 bbls. (Grind out: 10%-gas; 90%-oil) Gravity: 39 @ 60°
Recovered 93 ft. of mud cut gassy oil = .457560 bbls. (Grind out: 5%-gas; 85%-oil; 10%-mud)
Recovered 155 ft. of heavy oil cut, gassy mud = .762600 bbls. (Grind out: 5%-gas; 45%-oil; 50%-mud)
Recovered 654 ft. of TOTAL FLUID = 4.309680 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 100%-oil

Time Set Packer(s) 4:33 P.M. Time Started off Bottom 7:33 P.M. Maximum Temperature 105°
Initial Hydrostatic Pressure.....(A) 1193 P.S.I.
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 159 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 415 P.S.I.
Final Flow Period.....Minutes 60 (E) 164 P.S.I. to (F) 259 P.S.I.
Final Closed In Period.....Minutes 60 (G) 415 P.S.I.
Final Hydrostatic Pressure.....(H) 1175 P.S.I.