

DIAMOND TESTING, LLC

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313 MADDENUNIT1DST3 Page 1 of 2 Pages

Company Range Oil Company, Inc. Lease & Well No. Madden Unit No. 1 1469 KB Formation Simpson Sand Elevation F279 Effective Pay ─Ft. Ticket No. 6-2-14 31 **19S** Date Chase Sec. Kansas Twp. County___ Range State Ken Wallace Jake Fahrenbruch Test Approved By Diamond Representative 2,233 ft. to _____ 2,262 ft. Formation Test No. Interval Tested from 2,262 ft Total Depth 2,228 ft. 6 3/4 in. Packer Depth Size Packer Depth___ -- ft. Size 2,233 ft. 6 3/4 in. Packer Depth Size Packer Depth -- ft. Size -- in. Depth of Selective Zone Set ft. 2,216 ft. Top Recorder Depth (Inside) 5951 5,000 psi. Recorder Number Cap. 2,234 ft. 5,000 _{DSi.} 5584 Bottom Recorder Depth (Outside) Cap.__ Recorder Number Below Straddle Recorder Depth Recorder Number Cap. Drilling Contractor C & G Drilling Company - Rig 2 300 ft I.D.___ 2 1/4 in. Drill Collar Length___ Chemical Mud Type Viscosity ⁻⁻ft I.D.____ Weight Pipe Length 1,905 ft I.D. 7.6 3 1/2 in. Weight Water Loss Drill Pipe Length _____ CC. 900 28 ft Tool Size 3 1/2-IF in. Chlorides P.P.M. Test Tool Length _____ Sterling Not Run Jars: Make ²⁹ft. Size 4 1/2-FH in. Serial Number Anchor Length No Reversed Out Surface Choke Size ¹ in 5/8 in. Did Well Flow? Bottom Choke Size 7 7/8 _{in.} 4 1/2-XH in. Main Hole Size **Tool Joint Size** Blow: 1st Open: Blow increasing. Off bottom of bucket in 10 mins. No blow back during shut-in. 2nd Open: Blow increasing. Off bottom of bucket in 11 mins. No blow back during shut-in. 740 ft. of slightly mud cut water w/trace oil specks = 7.737200 bbls. (Grind out: 1%-oil; 93%-water: 6%-mud) Recovered Chlorides: 10,000 Ppm PH: 7.5 RW: .55 @ 82° Recovered ft. of ft. of Recovered Recovered ft. of Recovered ft. of Recovered ft. of Remarks Tool Sample Grind Out: 1%-oil; 60%-water; 39%-mud 5:30 A.M. 8:30 A.M. 92° Time Set Packer(s) Time Started off Bottom Maximum Temperature 1071 P.S.I. Initial Hydrostatic Pressure.....(A) 30 ¹⁰ P.S.I. to (C)_____ 179 P.S.I. Initial Flow Period......Minutes (B) Initial Closed In Period......Minutes 30 778 P.S.I. (D) 60 ¹⁸¹ P.S.I to (F)_____ Final Flow Period......Minutes 335 P.S.I. (E) 60 774 P.S.I. Final Closed In Period......Minutes (G) ¹⁰⁷⁰ P.S.I. Final Hydrostatic Pressure....(H)