

**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: BRTRND2-22DST1

TIME ON: 1100  
 TIME OFF: 1900

Company **QUESTA ENERGY CORPORATION** Lease & Well No. **BERTRAND #2-22**  
 Contractor **VAL ENERGY, INC. RIG 7** Charge to **QUESTA ENERGY CORPORATION**  
 Elevation **3081 KB** Formation \_\_\_\_\_ L/KC "I-J" Effective Pay \_\_\_\_\_ Ft. Ticket No. **M705**  
 Date **9/10/2014** Sec **22** Twp. \_\_\_\_\_ § S Range \_\_\_\_\_ 32 W County **THOMAS** State **KANSAS**  
 Test Approved By **JUSTIN CARTER** Diamond Representative **MIKE COCHRAN**

Formation Test No. **1** Interval Tested from **4262 ft.** to **4290 ft.** Total Depth **4290 ft.**  
 Packer Depth **4257 ft.** Size **6 3/4 in.** Packer depth **NA ft.** Size **6 3/4 in.**  
 Packer Depth **4262 ft.** Size **6 3/4 in.** Packer depth **NA ft.** Size **6 3/4 in.**

Depth of Selective Zone Set \_\_\_\_\_  
 Top Recorder Depth (Inside) **4244 ft.** Recorder Number **5445** Cap. **5,000 P.S.I.**  
 Bottom Recorder Depth (Outside) **4264 ft.** Recorder Number **E1150** Cap. **5,000 P.S.I.**  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

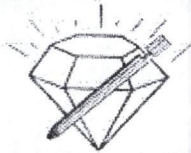
Mud Type **CHEM** Viscosity **54** Drill Collar Length **62 ft.** I.D. **2 1/4 in.**  
 Weight **9.1** Water Loss **9.6 cc.** Weight Pipe Length **0 ft.** I.D. **2 7/8 in.**  
 Chlorides **2,100 P.P.M.** Drill Pipe Length **4168 ft.** I.D. **3 1/2 in.**  
 Jars: Make **STERLING** Serial Number **3** Test Tool Length **32 ft.** Tool Size **3 1/2-FH in.**  
 Did Well Flow? **NO** Reversed Out **NO** Anchor Length **25 ft.** Size **4 1/2-FH in.**  
 Main Hole Size **7 7/8** Tool Joint Size **4 1/2 XH in.** Surface Choke Size **1 in.** Bottom Choke Size **5/8 in.**

Blow: 1st Open: **WSB, BUILT TO 3/4" (NO BB)**  
 2nd Open: **NO BLOW (NO BB)**

Recovered **~10 ft. of OSM 4% OIL, 95% MUD**  
 Recovered **~10 ft. of TOTAL FLUID**  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks \_\_\_\_\_  
 Price Job \_\_\_\_\_  
 Other Charges \_\_\_\_\_  
 Insurance \_\_\_\_\_  
 Total \_\_\_\_\_

TOOL SAMPLE: 16% OIL, 84% MUD  
 Time Set Packer(s) **1:45 P.M.** A.M. P.M. Time Started Off Bottom **4:00 P.M.** A.M. P.M. Maximum Temperature \_\_\_\_\_ °F  
 Initial Hydrostatic Pressure \_\_\_\_\_ (A) **2055 P.S.I.**  
 Initial Flow Period \_\_\_\_\_ Minutes **15** (B) **10 P.S.I.** to (C) **15 P.S.I.**  
 Initial Closed In Period \_\_\_\_\_ Minutes **30** (D) **38 P.S.I.**  
 Final Flow Period \_\_\_\_\_ Minutes **30** (E) **17 P.S.I.** to (F) **17 P.S.I.**  
 Final Closed In Period \_\_\_\_\_ Minutes **60** (G) **46 P.S.I.**  
 Final Hydrostatic Pressure \_\_\_\_\_ (H) **2038 P.S.I.**

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



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**DRILL-STEM TEST TICKET**  
 FILE: BRTRND2-22DST2

TIME ON: 0505  
 TIME OFF: 1400

Company QUESTA ENERGY CORPORATION Lease & Well No. BERTRAND #2-22  
 Contractor VAL ENERGY, INC. RIG 7 Charge to QUESTA ENERGY CORPORATION  
 Elevation 3081 KB Formation LKC "K" Effective Pay \_\_\_\_\_ Ft. Ticket No. M708  
 Date 9/11/2014 Sec 22 Twp. \_\_\_\_\_ 9 S Range \_\_\_\_\_ 32 W County THOMAS State KANSAS  
 Test Approved By JUSTIN CARTER Diamond Representative MIKE COCHRAN

Formation Test No 2 Interval Tested from 4290 ft. to 4322 ft. Total Depth 4322 ft.

Packer Depth 4285 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 4290 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4272 ft. Recorder Number 5448 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4292 ft. Recorder Number E1150 Cap. 5,000 P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEM Viscosity 64 Drill Collar Length 62 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2,200 P.P.M. Drill Pipe Length 4196 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 3 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 32 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, BUILT TO 8" (NO BB)

2nd Open: WSB, BOB 28 MIN (VW BB)

Recovered 50 ft. of GIP GRAVITY: 36.9 @ 60"

Recovered 5 ft. of CO 100% OIL

Recovered 70 ft. of OCWM 6% OIL, 42% WTR, 52% MUD

Recovered 183 ft. of WTR 100% WTR (121' DP, 62' DC)

Recovered 258 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of RW: 1.0 @ 44 DEG

Remarks: PH: 7.0

CHLOR: 50,000 PPM

TOOL SAMPLE: 6% OIL, 84% WTR, 10% MUD

Time Set Packer(s) 8:00 A.M. A.M. P.M. Time Started Off Bottom 11:00 A.M. A.M. P.M. Maximum Temperature 134°F

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2049 P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 15 (B) 14 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 30 (D) 1850 P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 45 (E) 64 P.S.I. to (F) 134 P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 90 (G) 1871 P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 2021 P.S.I.

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**Remarks**

After careful review of the sample log, electric logs, and DST reports, the decision was made to P&A the Bertrand 2-22.