GENERAL INFORMATION

Client Information:

Company: RJM CO.

Contact: BRAD MILLER

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: BOGER/SPANIER #1

Operator: RJM CO.

Location-Downhole:

Location-Surface: S35/16S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: DST #1 CONVENTIONAL

Job Number: J3343

Test Unit:

Start Date: 2015/05/10

Start Time: 21:30:00

End Date: 2015/05/11

End Time: 01:40:00

Report Date: 2015/05/11

Prepared By: JOHN RIEDL

Qualified By: JIM MUSGROVE

Remarks:

RECOVERY: 15' OIL SPECKED MUD

DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET

FILE: STC/Boger/spanier1dst1

TIME ON: 20:30 5/10/15

TIME OFF: 01:40 5/11/15

Company RJM CO. Lease & Well No. BOGER/SPANIER #1

Contractor SOUTHWIND RIG #2 Charge to RJM CO.

Elevation 1919 G.L Formation UPPER LKC Effective Pay _____ Ft. Ticket No. J3343

Date 5/10/15 Sec. 35 Twp. 16 S Range 12 W County BARTON State KANSAS

Test Approved By JIM MUSGROVE Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 3104 ft. to 3176 ft. Total Depth 3176 ft.

Packer Depth 3099 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3104 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3107 ft. Recorder Number 30046 Cap. 6000 P.S.I.

Bottom Recorder Depth (Outside) 3173 ft. Recorder Number 13498 Cap. 6000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 2,500 P.P.M. Drill Pipe Length 3084 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 72 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: WEAK DEAD 20 MIN.

2nd Open: NO BLOW (FLUSHED TOOL BUT OF NO HELP)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY: 15' IN DRILL PIPE

TOOL SAMPLE GRINDOUT:100% MUD

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 9:45 P.M A.M. P.M. Time Started Off Bottom 12:00 A.M A.M. P.M. Maximum Temperature 99

Initial Hydrostatic Pressure ..... (A) 1480 P.S.I.

Initial Flow Period ..... Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period ..... Minutes 30 (D) 307 P.S.I.

Final Flow Period ..... Minutes 30 (E) 16 P.S.I. to (F) 33 P.S.I.

Final Closed In Period ..... Minutes 45 (G) 96 P.S.I.

Final Hydrostatic Pressure ..... (H) 1460 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.

RJM CO.
Start Test Date: 2015/05/10
Final Test Date: 2015/05/11

BOGER/SPANIER #1

BOGER/SPANIER #1
Formation: UPPER LKC
Job Number: J3343

