

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	L.D. DRILLING, INC.	Job Number	M595
Well Name	SOFT TAIL #1-29	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4073-4250 FT.SCOTT/JOHNSON	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC.29-14S-29W GOVE CO.KS.	Report Date	2013/12/18
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KIM SHOEMAKER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 4073-4250 FT.SCOTT/JOHNSON		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/12/17	Start Test Time	16:20:00
Final Test Date	2013/12/18	Final Test Time	00:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:

200' GIP
179' GOCWM 10% GAS, 24% OIL, 25% WTR, 41% MUD
126' GOSMW 1% GAS, 2% OIL, 89% WTR, 8% MUD
305' TOTAL FLUID

CHLOR: 22,000 PPM
PH:7.0
RW: .40 @ 52 DEG

TOOL SAMPLE: GAS



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: SFTTL1-29DST4

TIME ON: 1620 (12/17)
TIME OFF: 0000 (12/18)

Company L.D. DRILLING, INC. Lease & Well No. SOFT TAIL #1-29
Contractor KIM SHOEMAKER Charge to L.D. DRILLING, INC.
Elevation 2614 KB Formation PAWNEE/FT.SCOTT Effective Pay _____ Ft. Ticket No. M595
Date 12/17/2013 Sec. 29 Twp. _____ 14 S Range _____ 29 W County GOVE State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4173 ft. to 4250 ft. Total Depth 4250 ft.
Packer Depth 4168 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4173 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4155 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4175 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 40 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4141 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 77 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{64'DP} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK INTERMITTENT SB THAT INC TO AN INTERMITTENT 4" BLOW (NO BB)
2nd Open: WEAK INTERMITTENT SB THAT INC TO AN INTERMITTENT 6 1/2" BLOW (NO BB)

Recovered 200 ft. of GIP
Recovered 179 ft. of GOCWM 10% GAS, 24% OIL, 25% WTR, 41% MUD
Recovered 126 ft. of GOSMW 1% GAS, 2% OIL, 89% WTR, 8% MUD
Recovered 305 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>CHLOR: 22,000 PPM PH: 7.0</u>	Other Charges
Remarks: <u>RW: .40 @ 52 DEG</u>	Insurance
TOOL SAMPLE: <u>GAS</u>	Total

Time Set Packer(s) 6:45 P.M. ^{A.M.} P.M. Time Started Off Bottom 9:45 P.M. ^{A.M.} P.M. Maximum Temperature 131°F

Initial Hydrostatic Pressure..... (A) 2026 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 78 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1099 P.S.I.
Final Flow Period..... Minutes 45 (E) 99 P.S.I. to (F) 147 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1077 P.S.I.
Final Hydrostatic Pressure..... (H) 2015 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.

L.D. DRILLING, INC.
DST#4 4073-4250 FT. SCOTT/JOHNSON
Start Test Date: 2013/12/17
Final Test Date: 2013/12/17

SOFT TAIL #1-29
Formation: DST#4 4073-4250 FT. SCOTT/JOHNSON
Pool: WILDCAT
Job Number: M595

SOFT TAIL #1-29

