



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GRDS19-1DST5

TIME ON: 0610
TIME OFF: 1400

Company LB EXPLORATION,LLC. Lease & Well No. GEERDES 19 #1
Contractor NINNESCAH DRILLING, LLC RIG 101 Charge to LB EXPLORATION,LLC.
Elevation 3115 GL Formation CHEROKEE Effective Pay _____ Ft. Ticket No. M669
Date 6/20/2014 Sec. 19 Twp. _____ 9 S Range _____ 32 W County THOMAS State KANSAS
Test Approved By STEVEN PETERMANN Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4587 ft. to 4656 ft. Total Depth 4656 ft.
Packer Depth 4582 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Packer Depth 4587 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4569 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4589 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 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.1 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 4555 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 69 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (32" DP) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB, BOB 12 MIN (NO BB)
2nd Open: SSB, BOB 9 1/2 MIN (1" BB)

Recovered ~460 ft. of GIP GRAVITY: 24.3 @ 60°
Recovered ~47 ft. of CO
Recovered 63 ft. of GMO 1% GAS, 90% OIL. 9% MUD
Recovered 127 ft. of GOCM 20% GAS, 35% OIL, 45% MUD
Recovered 237 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
TOOL SAMPLE: <u>52% OIL, 48% MUD</u>	Insurance
	Total

Time Set Packer(s) 8:15 A.M. A.M. P.M. Time Started Off Bottom 11:15 A.M. A.M. P.M. Maximum Temperature 131°F

Initial Hydrostatic Pressure..... (A) 2219 P.S.I.
Initial Flow Period..... Minutes 15 (B) 13 P.S.I. to (C) 48 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 866 P.S.I.
Final Flow Period..... Minutes 45 (E) 56 P.S.I. to (F) 101 P.S.I.
Final Closed In Period..... Minutes 90 (G) 859 P.S.I.
Final Hydrostatic Pressure..... (H) 2173 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.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	LB EXPLORATION,LLC.	Job Number	M669
Well Name	GEERDES 19 #1	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4587-4656 CHEROKEE	Well Operator	LB EXPLORATION,LLC.
Surface Location	SEC.19-9S-32W THOMAS CO.KS.	Report Date	2014/06/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	STEVEN PETERMANN
		Test Unit	NO. 3

Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 4587-4656 CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/06/20	Start Test Time	06:10:00
Final Test Date	2014/06/20	Final Test Time	14:00:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
~460' GIP
~47' CO 100% OIL
63' GMO 1% GAS, 90% OIL, 9% MUD
127' GOCM 20% GAS, 35% OIL, 45% MUD
237' TOTAL FLUID

GRAVITY: 24.3 @ 60 DEG

TOOL SAMPLE: 52% OIL, 48% MUD

GEERDES 19 #1

