



# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 21098.D307

Company L. B. Exploration, Inc. Lease & Well No. 99 Springs No. 1  
Elevation 1787KB Formation Elgin Sand Effective Pay      Ft. Ticket No. 2189  
Date 9-17-06 Sec. 25 Twp. 30S Range 12W County Barber State Kansas  
Test Approved By Scott Alberg Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 3,507 ft. to 3,545 ft. Total Depth 3,545 ft.  
Packer Depth 3,502 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,507 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,488 ft. Recorder Number 21098 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,542 ft. Recorder Number 13387 Cap. 4,000 psi  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Fossil Drilling, Inc. - Rig 1 Drill Collar Length      ft. I.D.      in.  
Mud Type Chemical Viscosity 44 Weight Pipe Length      ft. I.D.      in.  
Weight 8.7 Water Loss 10.4 cc. Drill Pipe Length 3,475 ft. I.D. 3 1/2 in.  
Chlorides 3,000 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Bowen Serial Number No. 1 Anchor Length 38 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 30 secs. Weak surface blow back during shut-in. Blow died.  
2nd Open: Strong blow. Off bottom of bucket immediately. Gas to surface in 17 mins. (SEE GAS VOLUME REPORT.)  
No blow back during shut-in.

Recovered 110 ft. of drilling mud = 1.562000 bbls. (Grind out: 100%-drilling mud)  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Remarks Tool Sample Grind Out: Blew out

Time Set Packer(s) 8:24 ~~XXX~~ P.M. Time Started Off Bottom 11:39 ~~XXX~~ P.M. Maximum Temperature 109°  
Initial Hydrostatic Pressure (A) 1580 P.S.I.  
Initial Flow Period Minutes 30 (B) 15 P.S.I. to (C) 23 P.S.I.  
Initial Closed In Period Minutes 45 (D) 1159 P.S.I.  
Final Flow Period Minutes 60 (E) 22 P.S.I. to (F) 48 P.S.I.  
Final Closed In Period Minutes 60 (G) 1153 P.S.I.  
Final Hydrostatic Pressure (H) 1569 P.S.I.



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## GAS VOLUME REPORT

Company L. B. Exploration, Inc. Lease & Well No. 99 Springs No. 1  
 Date 9-17-06 Sec. 25 Twp. 30 S Rge. 12 W Location 1,830' & 1,875' FEL, SEC County Barber State KS  
 Drilling Contractor Fossil Drilling, Inc. - Rig 1 Formation Elgin Sand DST No. 1  
 Remarks: 1st Open: N/A 2nd Open: Gas to surface in 17 mins. Gas did burn.

### INITIAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

### FINAL FLOW

Open Tool: 9:39 p.m.

Time O'Clock	Orifice Size	Gauge	CF/D
10:04 p.m.	1/8 in.	1/2 psi	1,380
10:09 p.m.	1/8 in.	1 psi	2,760
10:14 p.m.	1/8 in.	1 1/2 psi	3,025
10:19 p.m.	1/8 in.	1 1/2 psi	3,390
10:24 p.m.	1/8 in.	1 1/2 psi	3,390
10:29 p.m.	1/8 in.	1 3/4 psi	3,655
10:34 p.m.	1/8 in.	1 3/4 psi	3,655
10:39 p.m.	1/8 in.	1 3/4 psi	3,655

99 SPRINGS #1  
 Formation: DST #1 ELGIN SAND 3,507' - 3,545'  
 Pool: WILDCAT

3. EXPLORATION  
 ST #1 ELGIN SAND 3,507' - 3,545'  
 Start Test Date: 2006/09/16  
 Final Test Date: 2006/09/17

# 99 SPRINGS #1

