



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
smitha1dst2

Company Chieftain Oil Company, Inc. Lease & Well No. Smith "A" No. 1  
Elevation 1643 GL Formation Simpson Effective Pay      Ft. Ticket No. K071  
Date 12-25-13 Sec. 17 Twp. 31S Range 13W County Barber State Kansas  
Test Approved By David Barker Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 4,541 ft. to 4,562 ft. Total Depth 4,562 ft.  
Packer Depth 4,536 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 4,541 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,522 ft. Recorder Number 5513 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,523 ft. Recorder Number 5588 Cap. 6,000 psi.  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor Fossil Drilling, Inc. - Rig 3 Drill Collar Length 210 ft I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 52 Weight Pipe Length      ft I.D.      in.  
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 4,298 ft I.D. 3 1/2 in.  
Chlorides 4,900 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 6 Anchor Length 21 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: Weak blow increasing to 1/2 in. No blow back during shut-in.  
2nd Open: Weak, surface blow. No blow back during shut-in.

Recovered 3 ft. of drilling mud = .014760 bbls.  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of     

Remarks     

Time Set Packer(s) 11:05 A.M. Time Started off Bottom 2:35 P.M. Maximum Temperature 119°  
Initial Hydrostatic Pressure.....(A) 2172 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 13 P.S.I.  
Initial Closed In Period.....Minutes 60 (D) 1315 P.S.I.  
Final Flow Period.....Minutes 30 (E) 14 P.S.I. to (F) 17 P.S.I.  
Final Closed In Period.....Minutes 90 (G) 1303 P.S.I.  
Final Hydrostatic Pressure.....(H) 2149 P.S.I.



**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

Company Name	Chieftain Oil Company, Inc		
Contact	Ron Molz	Job Number	K071
Well Name	Smith A #1	Representative	Jason McLemore
Unique Well ID	DST #2 Simpson 4541-4562	Well Operator	Chieftain Oil Company, Inc
Surface Location	17-31s-13w-Barber	Prepared By	Jason McLemore
Field	Wildcat	Qualified By	David Barker
Well Type	Vertical	Test Unit	#6

**Test Information**

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Simpson	Well Operator	Chieftain Oil Company, Inc
Well Fluid Type	01 Oil	Report Date	2013/12/25
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore
Start Test Date	2013/12/25	Start Test Time	08:25:00
Final Test Date	2013/12/25	Final Test Time	17:22:00

**Test Results**

**RECOVERED:**

3	Drilling Mud
3	Total Fluid

Chieftain Oil Company, Inc  
DST #2 Simpson 4541-4562  
Start Test Date: 2013/12/25  
Final Test Date: 2013/12/25

Smith A #1  
Formation: Simpson  
Pool: Wildcat  
Job Number: K071

# Smith A #1

