

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
achenbachb5dst1

Company Chieftain Oil Company, Inc. Lease & Well No. Achenbach "B" No. 5
Elevation 1398 GL Formation Misener Effective Pay Ft. Ticket No. K134
Date 6-12-14 Sec. 1 Twp. 35S Range 12W County Barber State Kansas
Test Approved By David Barker Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 5,121 ft. to 5,151 ft. Total Depth 5,151 ft.
Packer Depth 5,116 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 5,121 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 5,102 ft. Recorder Number 5513 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,103 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 234 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 54 Weight Pipe Length ft I.D. in.
Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 4,854 ft I.D. 3 1/2 in.
Chlorides 4,000 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 6 Anchor Length 30 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 increasing. Off bottom of bucket in 20 secs. Gas to surface in 15 mins. Gauged gas. No blow back during shut-in. (SEE GAS VOLUME REPORT)
2nd Open: Strong blow increasing. Off bottom of bucket on open. Gauged gas. No blow back during shut-in. (SEE GAS VOLUME REPORT)

Recovered 240 ft. of gassy oil & water cut mud = 1.236660 bbls. (Grind out: 10%-gas; 10%-oil; 20%-water; 60%-mud) Chlorides: 100,000 Ppm PH: 7.0
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks

Time Set Packer(s) 7:14 A.M. Time Started off Bottom 10:29 A.M. Maximum Temperature 129°
Initial Hydrostatic Pressure.....(A) 2526 P.S.I.
Initial Flow Period.....Minutes 30 (B) 54 P.S.I. to (C) 79 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 1939 P.S.I.
Final Flow Period.....Minutes 45 (E) 74 P.S.I. to (F) 97 P.S.I.
Final Closed In Period.....Minutes 60 (G) 1945 P.S.I.
Final Hydrostatic Pressure.....(H) 2510 P.S.I.



JASON MCLEMORE

CELL # 620-617-0527

General Information

Company Name	Chieftain Oil Company, Inc	
Contact	Ron Molz	Job Number K134
Well Name	Achenbach B5	Representative Jason McLemore
Unique Well ID	DST #1 Misener 5121-5151	Well Operator Chieftain Oil Company, Inc
Surface Location	1-35s-12w-Barber	Prepared By Jason McLemore
Field	Stranathan	Qualified By Dave Barker
Well Type	Vertical Test Unit	#6

Test Information

Test Type	Drill Stem Test	Well Operator	Chieftain Oil Company, Inc	Representative	Jason McLemore
Formation	Misner	Report Date	2014/06/12		
Well Fluid Type	01 Oil	Prepared By	Jason McLemore		
Test Purpose (AEUB)	Initial Test				

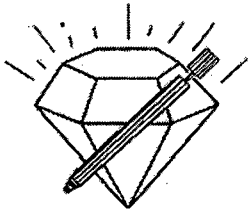
Start Test Date	2014/06/12	Start Test Time	03:36:00
Final Test Date	2014/06/12	Final Test Time	12:52:00

Test Results

RECOVERED:

240 Gassy Oil & Water Cut Mud, 10% Gas, 10% Oil, 20% Water, 60% Mud
 240 TOTAL FLUID

CHLORIDES: 100,000
 PH: 7



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

Company Chieftain Oil Company, Inc. Lease & Well No. Achenbach "B" No. 5
 Date 6-12-14 Sec 1 Twp 35 S Rge 12 W Location SE SE NW County Barber State Kansas
 Drilling Contractor Fossil Drilling, Inc. - Rig 3 Formation Misener DST No. 1
 Remarks: 1st Open: Gas to surface in 15 mins. Sample taken 25 mins. into initial flow.

Open Tool: 7:14 a.m. **INITIAL FLOW**

Time O' Clock	Orifice Size	Gauge	MCF/D
7:34 a.m.	1/2 in.	25 psi	205
* 7:39 a.m.	1/2 in.	20 psi	177
7:44 a.m.	1/2 in.	16 psi	153

Open Tool: 8:44 a.m. **FINAL FLOW**

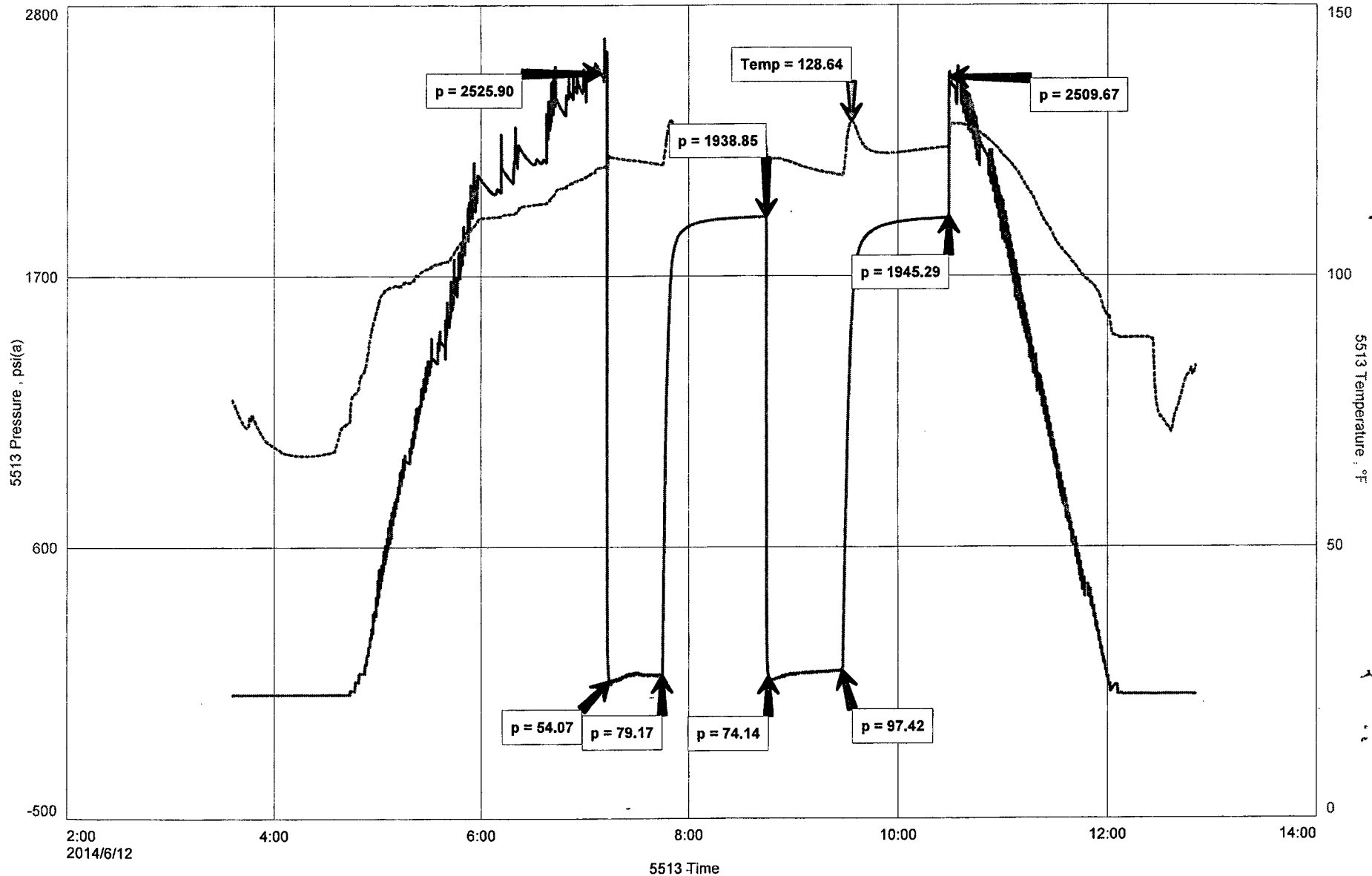
Time O' Clock	Orifice Size	Gauge	MCF/D
8:54 a.m.	1/2 in.	17 psi	159
9:04 a.m.	1/2 in.	15 psi	147
9:14 a.m.	1/2 in.	15 psi	147
9:24 a.m.	1/2 in.	14 psi	141

* Sample taken.

Chieftain Oil Company, Inc
DST #1 Misener 5121-5151
Start Test Date: 2014/06/12
Final Test Date: 2014/06/12

Achenbach B5
Formation: Misener
Pool: Wildcat
Job Number: K134

Achenbach B5



POINT**PRESSURE**
Electronic Reading

(A)	Initial Hydrostatic Mud	2526	PSI
(B)	First Initial Flow Pressure	54	PSI
(C)	First Final Flow Pressure	79	PSI
(D)	Initial Closed-in Pressure	1939	PSI
(E)	Second Initial Flow Pressure	74	PSI
(F)	Second Final Flow Pressure	97	PSI
(G)	Final Closed-in Pressure	1945	PSI
(H)	Final Hydrostatic Mud	2510	PSI