

DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
rathgeber3dst1

Company Chieftain Oil Company, Inc. Lease & Well No. Rathgeber No. 3
Elevation 1375 GL Formation Mizner Effective Pay _____ Ft. Ticket No. K128
Date 5-11-14 Sec. 6 Twp. 35S Range 11W County Barber State Kansas
Test Approved By David Barker Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 5,094 ft. to 5,125 ft. Total Depth 5,125 ft.
Packer Depth 5,089 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 5,094 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 5,075 ft. Recorder Number 5513 Cap. 5,000 psi.
Bottom Recorder Depth (Outside) 5,076 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 236 ft I.D. 2 1/4 in.
Mud Type Chemical Viscosity 68 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.4 Water Loss 9.0 cc. Drill Pipe Length 4,825 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 31 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: Good blow increasing. Off bottom of bucket in 20 mins. No blow back during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket in 30 secs. No blow back during shut-in.

Recovered 330 ft. of gas in pipe
Recovered 30 ft. of gassy mud = .147600 bbls. (Grind out: 20%-gas; 80%-mud)
Recovered 30 ft. of TOTAL FLUID = .147600 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) 10:27 A.M. Time Started off Bottom 1:27 P.M. Maximum Temperature 127°
Initial Hydrostatic Pressure.....(A) 2486 P.S.I.
Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 22 P.S.I.
Initial Closed In Period.....Minutes 60 (D) 718 P.S.I.
Final Flow Period.....Minutes 30 (E) 23 P.S.I. to (F) 26 P.S.I.
Final Closed In Period.....Minutes 60 (G) 732 P.S.I.
Final Hydrostatic Pressure.....(H) 2478 P.S.I.

**JASON MCLEMORE****CELL # 620-617-0527****General Information**

Company Name	Chieftain Oil Company, Inc		
Contact	Ron Molz	Job Number	K128
Well Name	Rathgeber #3	Representative	Jason McLemore
Unique Well ID	DST #1 Mizner 5094-5125	Well Operator	Chieftain Oil Company, Inc
Surface Location	6-35s-11w-Barber	Prepared By	Jason McLemore
Field	Wildcat	Qualified By	Dave Barker
Well Type	Vertical	Test Unit	#6

Test Information

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Mizner	Well Operator	Chieftain Oil Company, Inc
Well Fluid Type	01 Oil	Report Date	2014/05/11
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2014/05/11	Start Test Time	07:28:00
Final Test Date	2014/05/11	Final Test Time	16:20:00

Test Results**RECOVERED:**

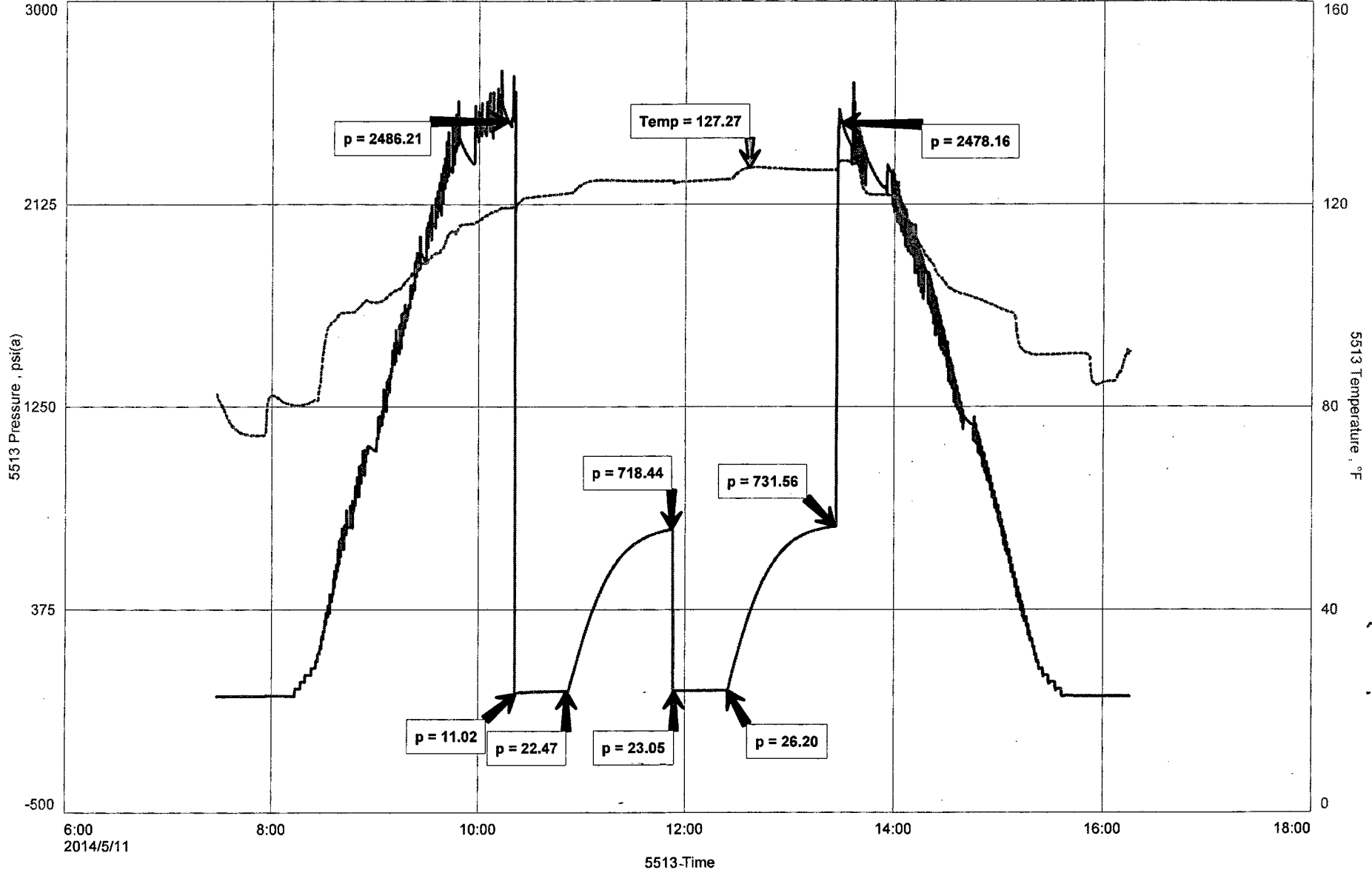
30	Gassy Mud, 20% Gas, 80% Mud
30	TOTAL FLUID

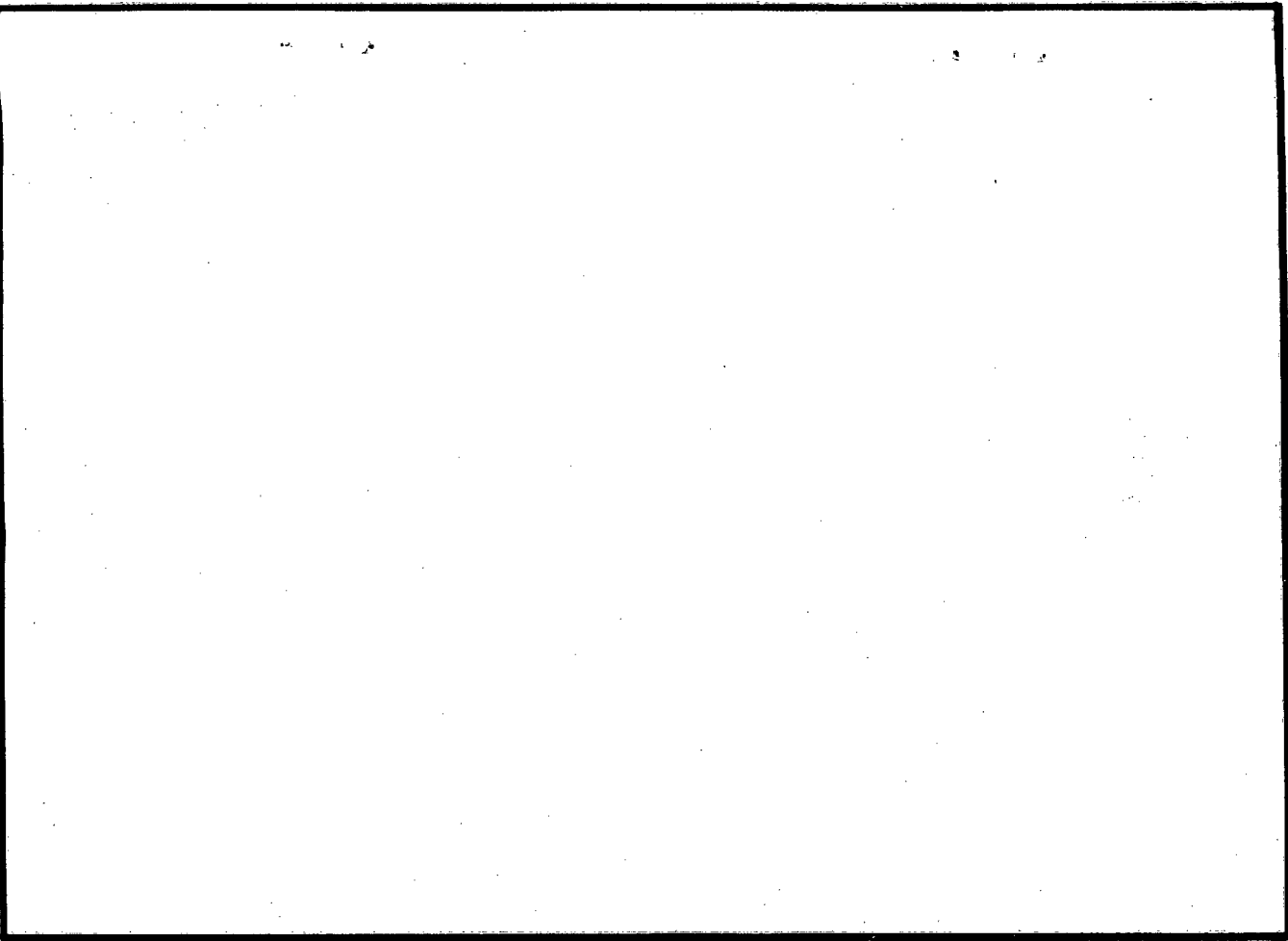
330' Gas In Pipe

Chieftain Oil Company, Inc
DST #1 Mizner 5094-5125
Start Test Date: 2014/05/11
Final Test Date: 2014/05/11

Rathgeber #3
Formation: Mizner
Pool: Wildcat
Job Number: K128

Rathgeber #3





This is an actual photograph of recorder chart.

POINT	PRESSURE Electronic Reading	
(A) Initial Hydrostatic Mud	2486	PSI
(B) First Initial Flow Pressure	11	PSI
(C) First Final Flow Pressure.....	22	PSI
(D) Initial Closed-in Pressure.....	718	PSI
(E) Second Initial Flow Pressure	23	PSI
(F) Second Final Flow Pressure.....	26	PSI
(G) Final Closed-in Pressure	732	PSI
(H) Final Hydrostatic Mud.....	2478	PSI