



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Schneeweis10dst1

Company Richlan Drilling Lease & Well No. Schneeweis No. 10
Elevation 1906 KB Formation Douglas Effective Pay _____ Ft. Ticket No. J3092
Date 3-15-13 Sec. 5 Twp. 17S Range 11W County Barton State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative _____ John C. Riedl

Formation Test No. 1 Interval Tested from 2,981 ft. to 3,056 ft. Total Depth 3,056 ft.
Packer Depth 2,976 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 2,981 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 2,984 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,053 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 4 Drill Collar Length _____ ft. I.D. _____ in.
Mud Type Chemical Viscosity 46 Weight Pipe Length _____ ft. I.D. _____ in.
Weight 9.1 Water Loss 9.6 cc. Drill Pipe Length 2,961 ft. I.D. 3 1/2 in.
Chlorides 5,200 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 75 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, 3 in., blow decreasing. Dead in 15 mins. Flushed tool but didn't bring back blow. No blow back during shut-in.
2nd Open: Weak, 1/4 in., blow. Dead in 5 mins. No blow back during shut-in.

Recovered 50 ft. of drilling mud = .711500 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud
Tool slid 10 ft. when tool opened.

Time Set Packer(s) 11:40 A.M. Time Started off Bottom 1:40 P.M. Maximum Temperature 96°
Initial Hydrostatic Pressure.....(A) 1422 P.S.I.
Initial Flow Period.....Minutes 30 (B) 27 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 165 P.S.I.
Final Flow Period.....Minutes 30 (E) 29 P.S.I. to (F) 35 P.S.I.
Final Closed In Period.....Minutes 30 (G) 111 P.S.I.
Final Hydrostatic Pressure.....(H) 1394 P.S.I.

GENERAL INFORMATION

Client Information:

Company: RICHLAN DRLG

Contact: RICK SCHREIBER

Phone: Fax: e-mail:

Site Information:

Contact: BOB SCHREIBER

Phone: Fax: e-mail:

Well Information:

Name: SCHNEWEIS #10

Operator: RICHLAN DRLG

Location-Downhole:

Location-Surface: S5/17S/11W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: BOB SCHREIBER

Test Type: CONVENTIONAL Job Number: D1296

Test Unit:

Start Date: 2013/03/15 Start Time: 09:20:00

End Date: 2013/03/15 End Time: 13:10:00

Report Date: 2013/03/15 Prepared By: JOHN RIEDL

Qualified By: BOB SCHREIBER

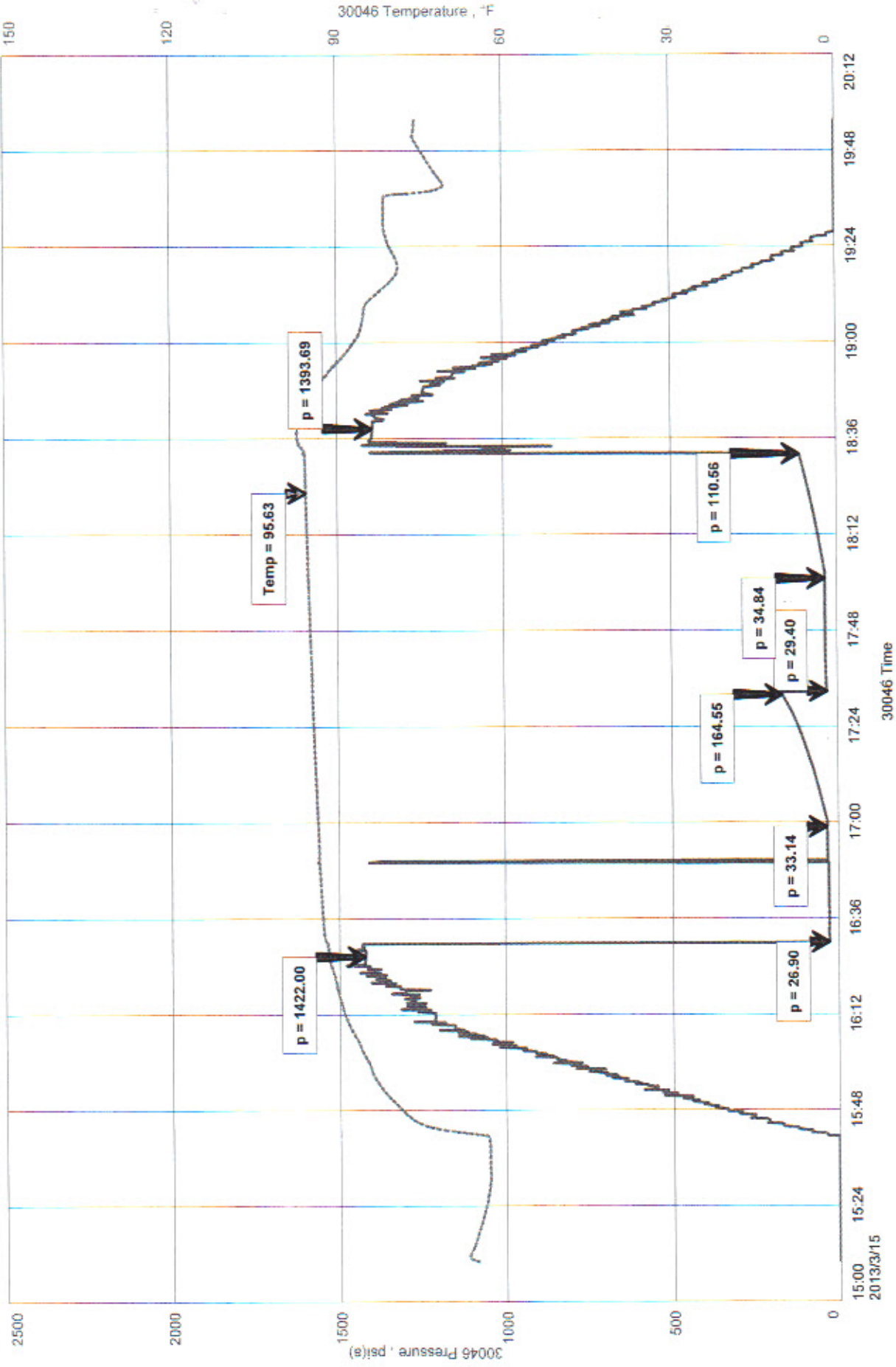
Remarks:

RECOVERY: 50' DRILLING MUD

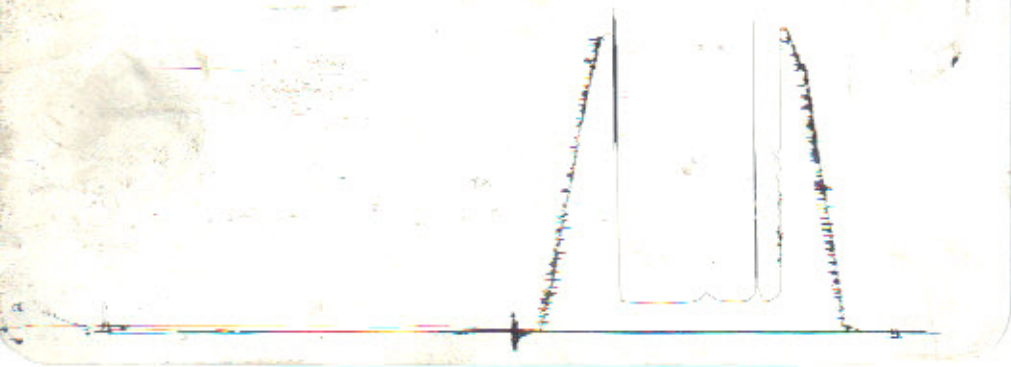
RICHLAN DRLG
Start Test Date: 2013/03/15
Final Test Date: 2013/03/15

SCHNEWEIS #10

SCHNEWEIS #10
Formation: DST #1 DOUGLAS
Job Number: D1296



RICHARD ML6 DST 1 RDC 11073
SCHNOWN #10 3/15/42 OUTSIDE





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Schneeweis10dst2

Company Richlan Drilling Lease & Well No. Schneeweis No. 10
Elevation 1906 KB Formation Lansing/Kansas City "A"-"C" Effective Pay _____ Ft. Ticket No. J3093
Date 3-16-13 Sec. 5 Twp. 17S Range 11W County Barton State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,056 ft. to 3,112 ft. Total Depth 3,112 ft.
Packer Depth 3,051 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,056 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,059 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,109 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 4 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 48 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.1 Water Loss 9.3 cc. Drill Pipe Length 3,036 ft I.D. 3 1/2 in.
Chlorides 5,500 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 56 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 4 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 5 mins. Weak blow back during shut-in.

Recovered 700 ft. of gas in pipe
Recovered 170 ft. of very slightly oil cut gassy muddy water = 2.419100 bbls. (Grind out: 2%-oil; 10%-gas; 40%-mud; 48%-water) Chlorides: 25,000 Ppm
Recovered 170 ft. of TOTAL FLUID = 2.419100 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 1%-oil; 10%-mud; 89%-water

Time Set Packer(s) 1:40 A.M. Time Started off Bottom 3:55 A.M. Maximum Temperature 103°
Initial Hydrostatic Pressure.....(A) 1450 P.S.I.
Initial Flow Period.....Minutes 30 (B) 15 P.S.I. to (C) 60 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 812 P.S.I.
Final Flow Period.....Minutes 30 (E) 59 P.S.I. to (F) 89 P.S.I.
Final Closed In Period.....Minutes 45 (G) 811 P.S.I.
Final Hydrostatic Pressure.....(H) 1419 P.S.I.

GENERAL INFORMATION

Client Information:

Company: RICHLAN DRLG
 Contact: RICK SCHREIBER
 Phone: Fax: e-mail:

Site Information:

Contact: BOB SCHREIBER
 Phone: Fax: e-mail:

Well Information:

Name: SCHNEWEIS #10
 Operator: RICHLAN DRLG
 Location-Downhole:
 Location-Surface: S5/17S/11W

Test Information:

Company:	DIAMOND TESTING		
Representative:	JOHN RIEDL		
Supervisor:	BOB SCHREIBER		
Test Type:	CONVENTIONAL	Job Number:	D1297
Test Unit:			
Start Date:	2013/03/16	Start Time:	00:01:00
End Date:	2013/03/16	End Time:	05:40:00
Report Date:	2013/03/16	Prepared By:	JOHN RIEDL
		Qualified By:	BOB SCHREIBER

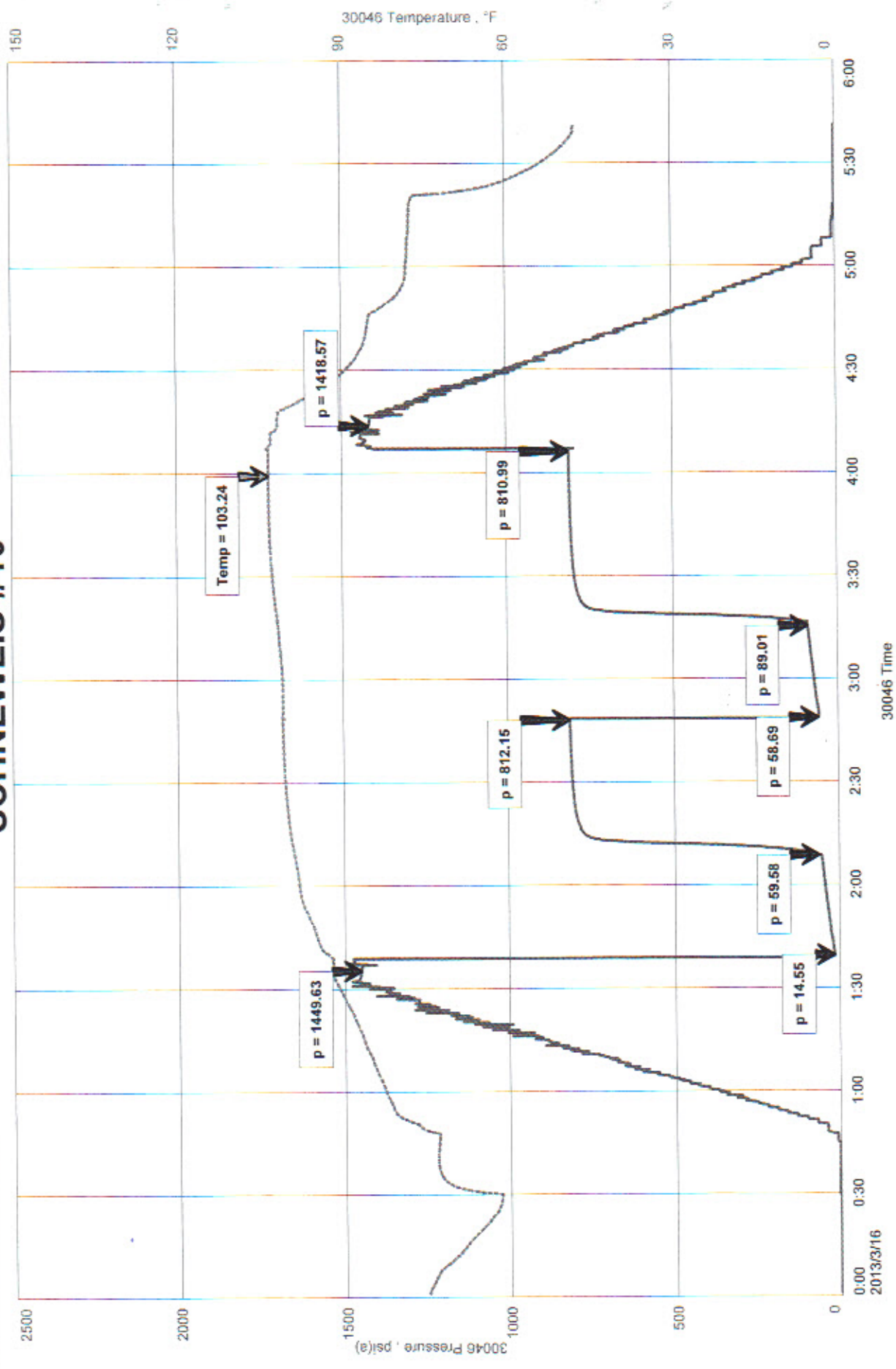
Remarks:

RECOVERY: 700' GAS IN PIPE, 170' VERY SLIGHTLY OIL CUT GASSY MUDDY WATER

SCHNEWEIS #10
Formation: DST #2 LKC A-C
Job Number: D1297

RICHLAN DRLG
Start Test Date: 2013/03/16
Final Test Date: 2013/03/16

SCHNEWEIS #10



RICHMAN 2866 DST 2
SC# NEWORS #10 3/16/13

NOV 10 23
OUTSIDE





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Schneweis10dst3

Company Richlan Drilling Lease & Well No. Schneweis No. 10
Elevation 1906 KB Formation Lansing/Kansas City "F" & "G" Effective Pay Ft. Ticket No. J3094
Date 3-16-13 Sec. 5 Twp. 17S Range 11W County Barton State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,140 ft. to 3,160 ft. Total Depth 3,160 ft.
Packer Depth 3,135 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Packer Depth 3,140 ft. Size 6 3/4 in. Packer Depth ft. Size in.
Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 3,143 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,157 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth ft. Recorder Number Cap. psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 4 Drill Collar Length ft I.D. in.
Mud Type Chemical Viscosity 46 Weight Pipe Length ft I.D. in.
Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 3,120 ft I.D. 3 1/2 in.
Chlorides 6,600 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 20 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 6 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 9 mins. No blow back during shut-in.

Recovered 150 ft. of gas in pipe
Recovered 90 ft. of slightly oil cut gassy watery mud = 1.280700 bbls. (Grind out: 3%-oil; 15%-gas; 30%-water; 52%-mud)
Recovered 700 ft. of gassy water = 9.961000 bbls. (Grind out: 10%-gas; 90%-water) Chlorides: 86,000 Ppm
Recovered 790 ft. of TOTAL FLUID = 11.241700 bbls.
Recovered ft. of
Recovered ft. of
Remarks Tool Sample Grind Out: 5%-gas; 95%-water

Time Set Packer(s) 5:55 P.M. Time Started off Bottom 7:55 P.M. Maximum Temperature 107°
Initial Hydrostatic Pressure.....(A) 1489 P.S.I.
Initial Flow Period.....Minutes 30 (B) 31 P.S.I. to (C) 165 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 618 P.S.I.
Final Flow Period.....Minutes 30 (E) 177 P.S.I. to (F) 283 P.S.I.
Final Closed In Period.....Minutes 30 (G) 615 P.S.I.
Final Hydrostatic Pressure.....(H) 1468 P.S.I.

GENERAL INFORMATION

Client Information:

Company: RICHLAN DRLG
 Contact: RICK SCHREIBER
 Phone: Fax: e-mail:

Site Information:

Contact: BOB SCHREIBER
 Phone: Fax: e-mail:

Well Information:

Name: SCHNEWEIS #10
 Operator: RICHLAN DRLG
 Location-Downhole:
 Location-Surface: S5/17S/11W

Test Information:

Company: DIAMOND TESTING
 Representative: JOHN RIEDL
 Supervisor: BOB SCHREIBER
 Test Type: CONVENTIONAL Job Number: D1298
 Test Unit:
 Start Date: 2013/03/16 Start Time: 16:50:00
 End Date: 2013/03/16 End Time: 21:45:00
 Report Date: 2013/03/16 Prepared By: JOHN RIEDL

Remarks:

Qualified By: BOB SCHREIBER

RECOVERY: 150' GAS IN PIPE, 90' SLIGHTLY OIL CUT GASSY WATERY MUD, 700' GASSY WATER

RICHLAN DRLG

Start Test Date: 2013/03/16

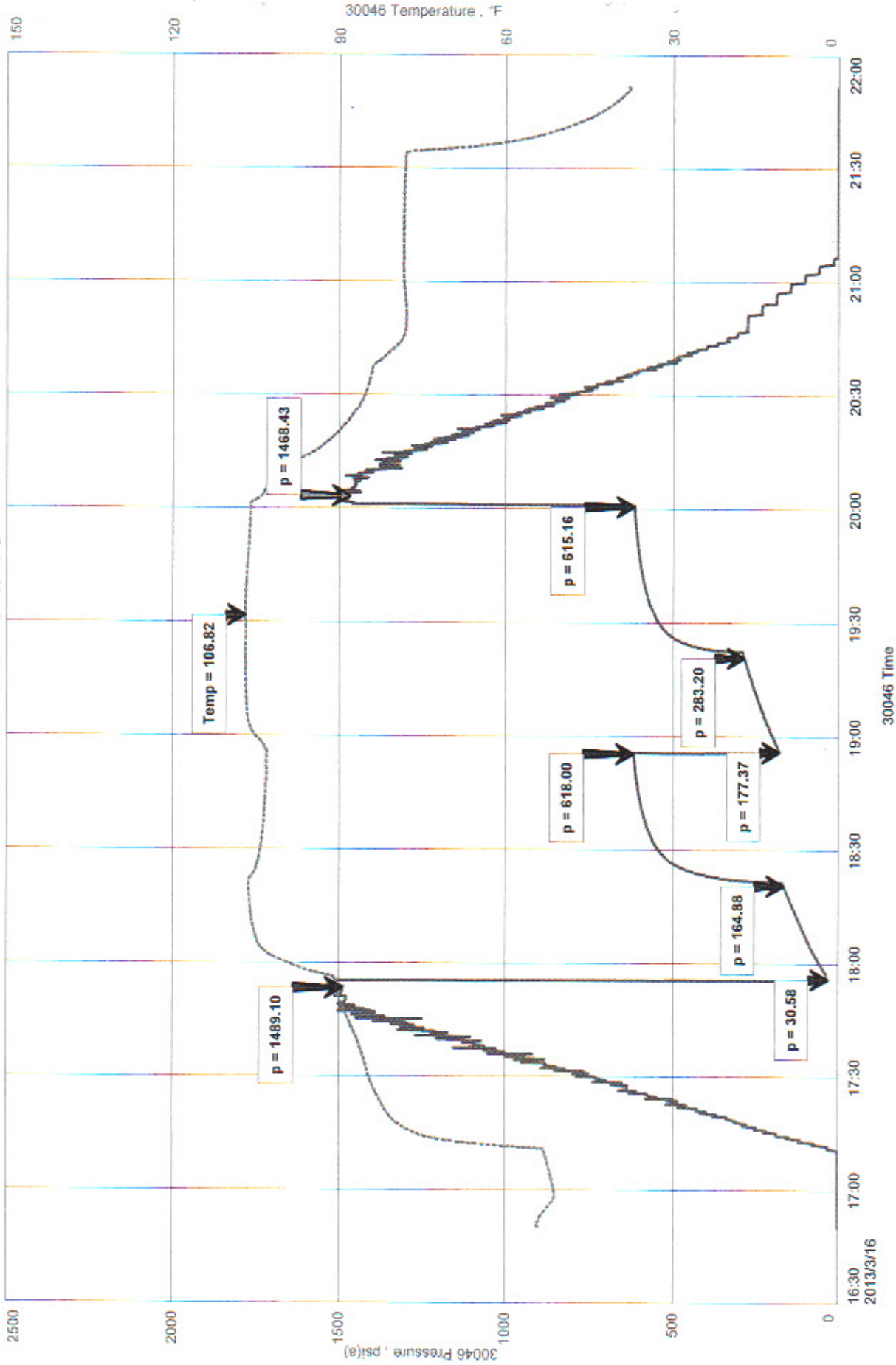
Final Test Date: 2013/03/16

SCHNEWEIS #10

Formation: DST #3 LKC F-G

Job Number: D1298

SCHNEWEIS #10



NICK LAW
SEARCHED 10

PST 3
3/16/13

NOE 11023
OUTSIDE





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
STC/Schneweis10dst4

Company Richlan Drilling Lease & Well No. Schneweis No. 10
Elevation 1906 KB Formation Arbuckle Effective Pay _____ Ft. Ticket No. J3095
Date 3-18-13 Sec. 5 Twp. 17S Range 11W County Barton State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,305 ft. to 3,381 ft. Total Depth 3,381 ft.
Packer Depth 3,300 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,305 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 3,308 ft. Recorder Number 30046 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 3,378 ft. Recorder Number 11073 Cap. 4,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 4 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 47 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.2 Water Loss 8.4 cc. Drill Pipe Length 3,285 ft I.D. 3 1/2 in.
Chlorides 6,000 P.P.M. Test Tool Length 20 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 76 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 3 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 4 mins. No blow back during shut-in.

Recovered 1,650 ft. of sulfur water = 23.479500 bbls. (Chlorides: 26,000 Ppm)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-water

Time Set Packer(s) 4:25 A.M. Time Started off Bottom 5:55 A.M. Maximum Temperature 110°
Initial Hydrostatic Pressure.....(A) 1567 P.S.I.
Initial Flow Period.....Minutes 15 (B) 21 P.S.I. to (C) 593 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 1081 P.S.I.
Final Flow Period.....Minutes 5 (E) 610 P.S.I. to (F) 774 P.S.I.
Final Closed In Period.....Minutes 40 (G) 1082 P.S.I.
Final Hydrostatic Pressure.....(H) 1557 P.S.I.

GENERAL INFORMATION

Client Information:

Company: RICHLAN DRLG
 Contact: RICK SCHREIBER
 Phone: Fax: e-mail:

Site Information:

Contact: BOB SCHREIBER
 Phone: Fax: e-mail:

Well Information:

Name: SCHNEWEIS #10
 Operator: RICHLAN DRLG
 Location-Downhole:
 Location-Surface: S5/17S/11W

Test Information:

Company:	DIAMOND TESTING		
Representative:	JOHN RIEDL		
Supervisor:	BOB SCHREIBER		
Test Type:	CONVENTIONAL	Job Number:	D1299
Test Unit:			
Start Date:	2013/03/18	Start Time:	02:45:00
End Date:	2013/03/18	End Time:	08:45:00
Report Date:	2013/03/18	Prepared By:	JOHN RIEDL
Remarks:		Qualified By:	BOB SCHREIBER

RECOVERY: 1650' SULFUR WATER

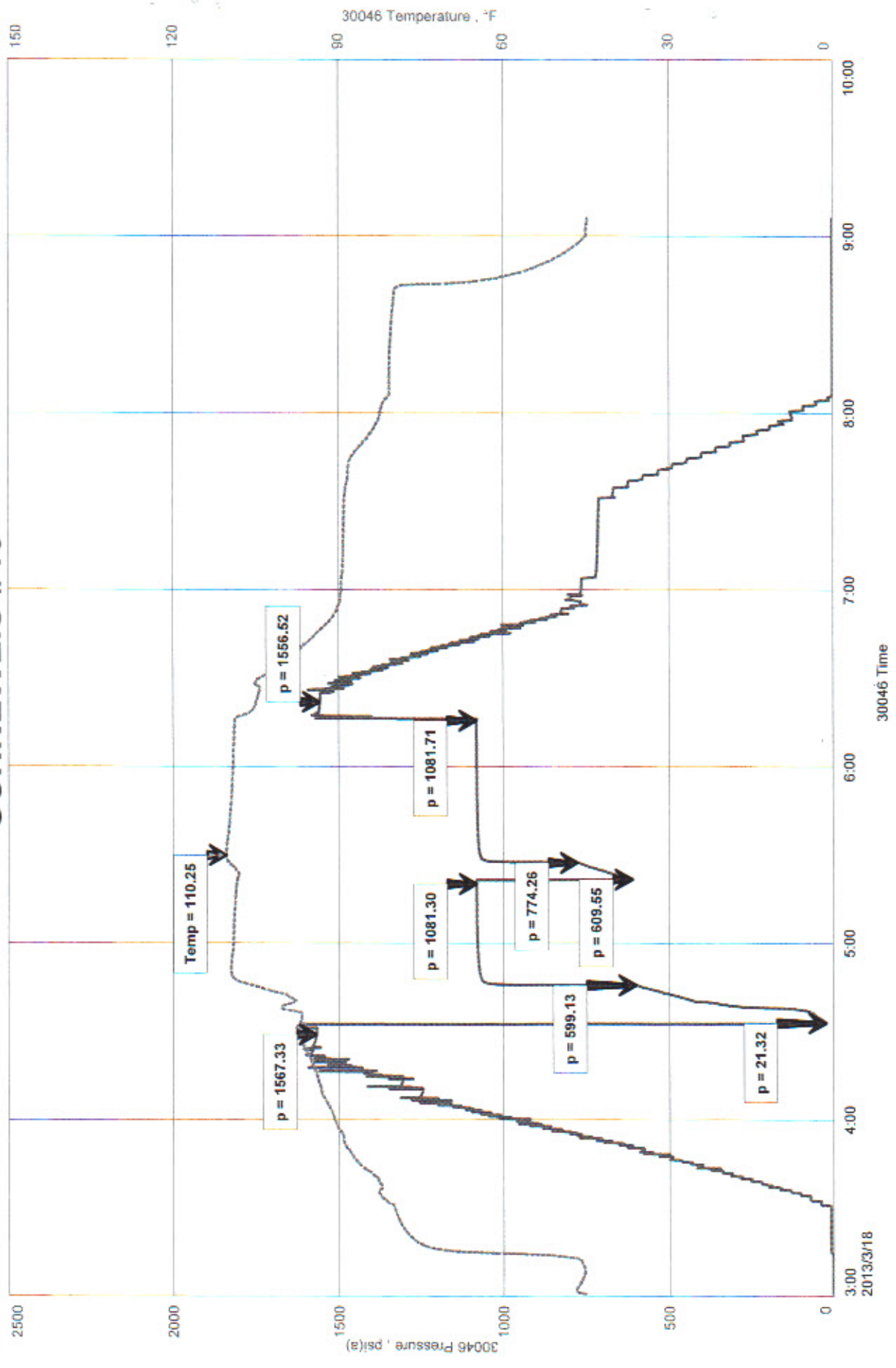
RICHLAN DRLG

Start Test Date: 2013/03/18

Final Test Date: 2013/03/18

SCHNEWEIS #10
Formation: DST #4 ARBUCKLE
Job Number: D1299

SCHNEWEIS #10



SCHWANDER #7 DST 4 ROT 11673
RICHMAN MLC 3/18/13 OUTS 100

