

15-009-25479

9-17s-14w

DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

STC 30046.D830

Page 1 of 2 Pages

Company Reif Oil & Gas Company, LLC Lease & Well No. Keta No. 1

Elevation 1966 KB Formation Lansing "A" & "B" Effective Pay -- Ft. Ticket No. J 2623

Date 10-10-10 Sec. 9 Twp. 17S Range 14W County Barton State Kansas

Test Approved By Josh R. Austin Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,201 ft. to 3,243 ft. Total Depth 3,243 ft.

Packer Depth 3,196 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,201 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,204 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,240 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 54 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.7 cc. Drill Pipe Length 3,181 ft. I.D. 3 1/2 in.

Chlorides 4,200 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 42 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 20 mins. No blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 25 mins. No blow back during shut-in.

Recovered 150 ft. of gas in pipe

Recovered 10 ft. of free oil = .142300 bbls. (Gravity: 37 @ 60°)

Recovered 150 ft. of water = 2.134500 bbls. (Chlorides: 55,000 Ppm)

Recovered 160 ft. of TOTAL FLUID = 2.276800 bbls.

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 2:40 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 5:40 ~~P.M.~~ ^{A.M.} Maximum Temperature 104°

Initial Hydrostatic Pressure (A) 1539 P.S.I.

Initial Flow Period Minutes 30 (B) 29 P.S.I. to (C) 61 P.S.I.

Initial Closed In Period Minutes 45 (D) 574 P.S.I.

Final Flow Period Minutes 45 (E) 65 P.S.I. to (F) 101 P.S.I.

Final Closed In Period Minutes 60 (G) 566 P.S.I.

Final Hydrostatic Pressure (H) 1518 P.S.I.

GENERAL INFORMATION

Client Information:

Company: REIF GAS+OIL CO.

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: KETA #1

Operator: REIF OIL+GAS CO.

Location-Downhole:

Location-Surface: S9/17S/14W BARTON CTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D830

Test Unit:

Start Date: 2010/10/10

Start Time: 01:15:00

End Date: 2010/10/10

End Time: 07:20:00

Report Date: 2010/10/10

Prepared By: JOHN RIEDL

Remarks:

Qualified By: JOSH AUSTIN

RECOVERY: 150' GAS IN PIPE, 10' OIL, 150' WATER

REIF GAS+OIL CO.

Start Test Date: 2010/10/10

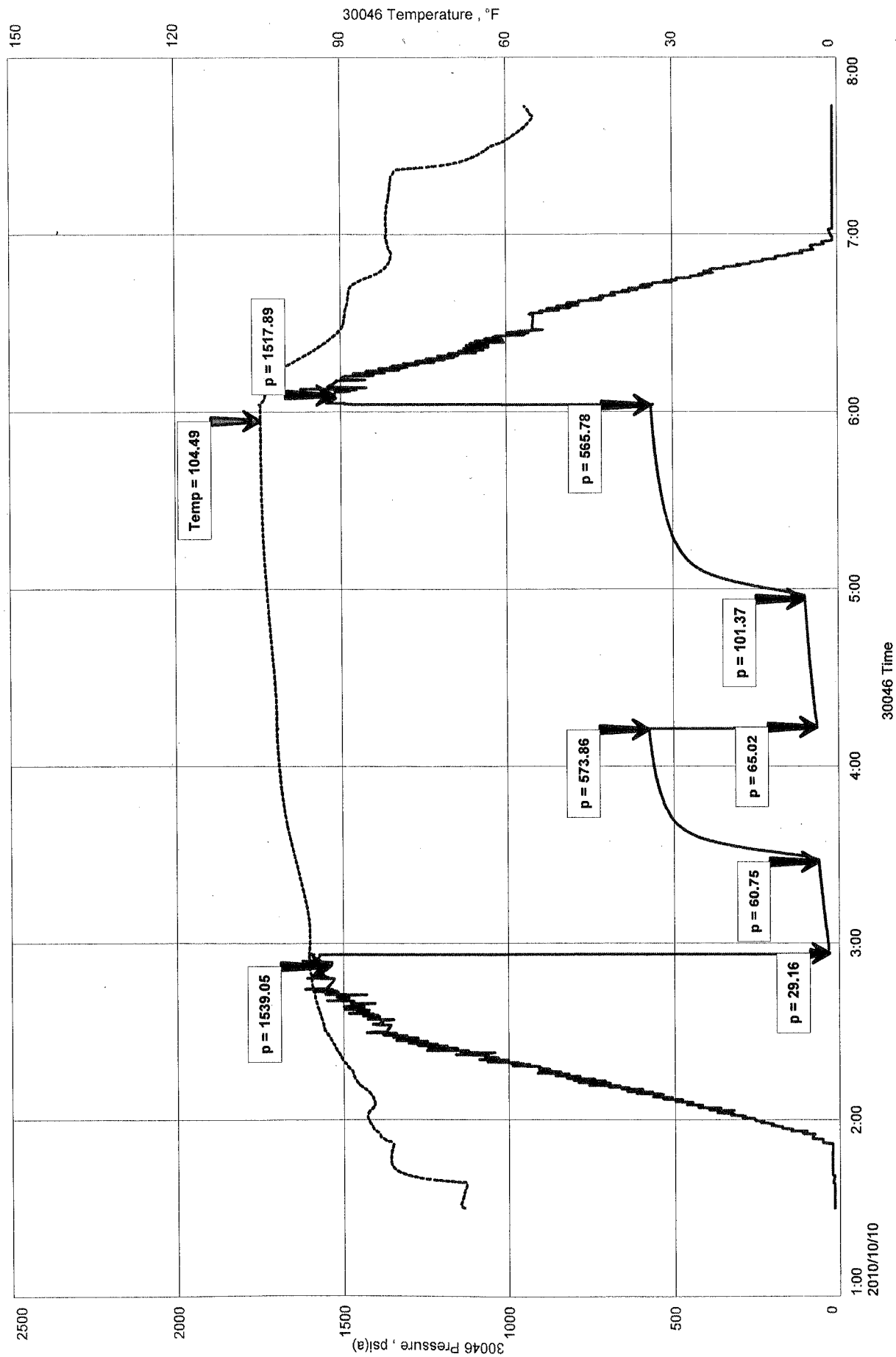
Final Test Date: 2010/10/10

KETA #1

KETA #1

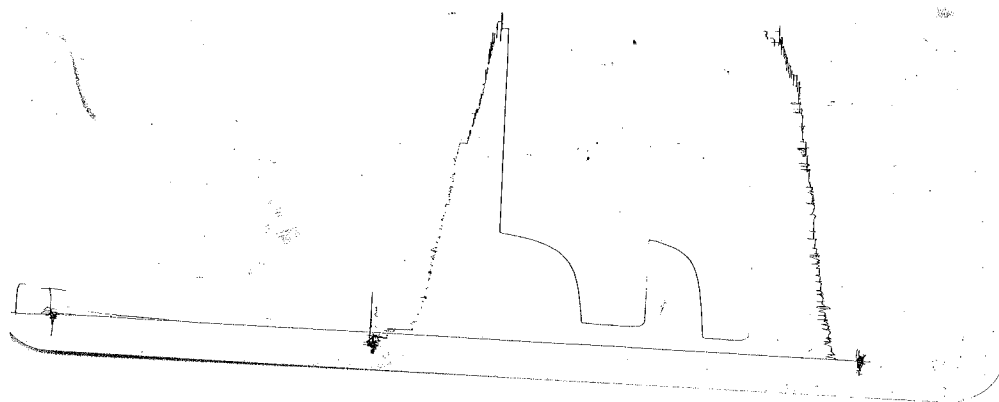
Formation: LANSING A+B

Job Number: D830



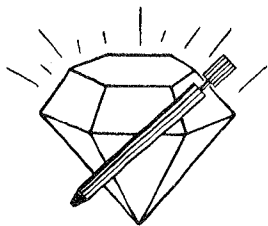
*RTD # DLT 1
ROIF OIL/GAS 10/10/10

ASC 16573
OASIDE



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	1539	1539
(B) First Initial Flow Pressure.....	29	29
(C) First Final Flow Pressure	61	61
(D) Initial Closed-in Pressure	574	574
(E) Second Initial Flow Pressure.....	65	65
(F) Second Final Flow Pressure.....	101	101
(G) Final Closed-in Pressure.....	566	566
(H) Final Hydrostatic Mud	1518	1518



DIAMOND TESTING
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STC 30046.D831

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Company Reif Oil & Gas Company, LLC Lease & Well No. Keta No. 1
Elevation 1966 KB Formation Lansing "F" Effective Pay -- Ft. Ticket No. J2624
Date 10-10-10 Sec. 9 Twp. 17S Range 14W County Barton State Kansas
Test Approved By Josh R. Austin Diamond Representative John C. Riedl
Formation Test No. 2 Interval Tested from 3,242 ft. to 3,282 ft. Total Depth 3,282 ft.
Packer Depth 3,237 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,242 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 3,245 ft. Recorder Number 30046 Cap. 6,000 psi
Bottom Recorder Depth (Outside) 3,279 ft. Recorder Number 11073 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi
Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 57 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.0 Water Loss 11.2 cc. Drill Pipe Length 3,222 ft. I.D. 3 1/2 in.
Chlorides 9,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 40 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 7 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket in 10 secs. Weak blow back during shut-in.
Recovered 1,300 ft. of gas in pipe
Recovered 150 ft. of slightly mud cut gassy oil = 2.134500 bbls. (Grind out: 15%-mud; 25%-gas; 60%-oil)
Recovered 150 ft. of TOTAL FLUID = 2.134500 bbls.
Recovered -- ft. of --
Recovered -- ft. of --
Remarks --

Time Set Packer(s) 3:36 ~~AM~~ P.M. Time Started Off Bottom 6:06 ~~AM~~ P.M. Maximum Temperature 102°
Initial Hydrostatic Pressure (A) 1545 P.S.I.
Initial Flow Period Minutes 30 (B) 32 P.S.I. to (C) 56 P.S.I.
Initial Closed In Period Minutes 45 (D) 540 P.S.I.
Final Flow Period Minutes 30 (E) 70 P.S.I. to (F) 77 P.S.I.
Final Closed In Period Minutes 45 (G) 578 P.S.I.
Final Hydrostatic Pressure (H) 1535 P.S.I.

GENERAL INFORMATION

Client Information:

Company: REIF OIL+GAS CO

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: KETA #1

Operator: REIF OIL+GAS CO

Location-Downhole:

Location-Surface: S9/17S/14W BARTON CTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D831

Test Unit:

Start Date: 2010/10/10

Start Time: 14:40:00

End Date: 2010/10/10

End Time: 19:20:00

Report Date: 2010/10/10

Prepared By: JOHN RIEDL

Remarks:

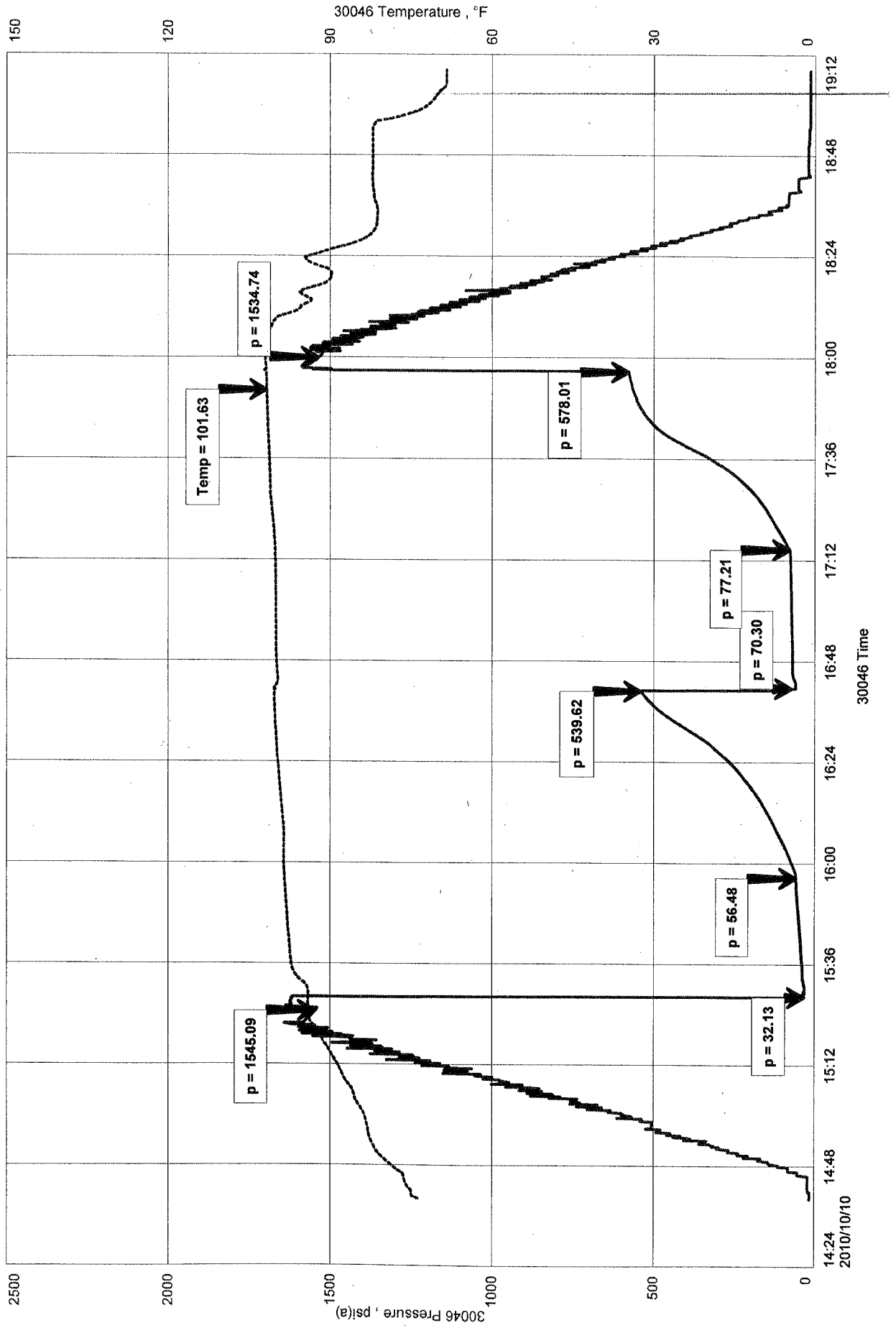
Qualified By: JOSH AUSTIN

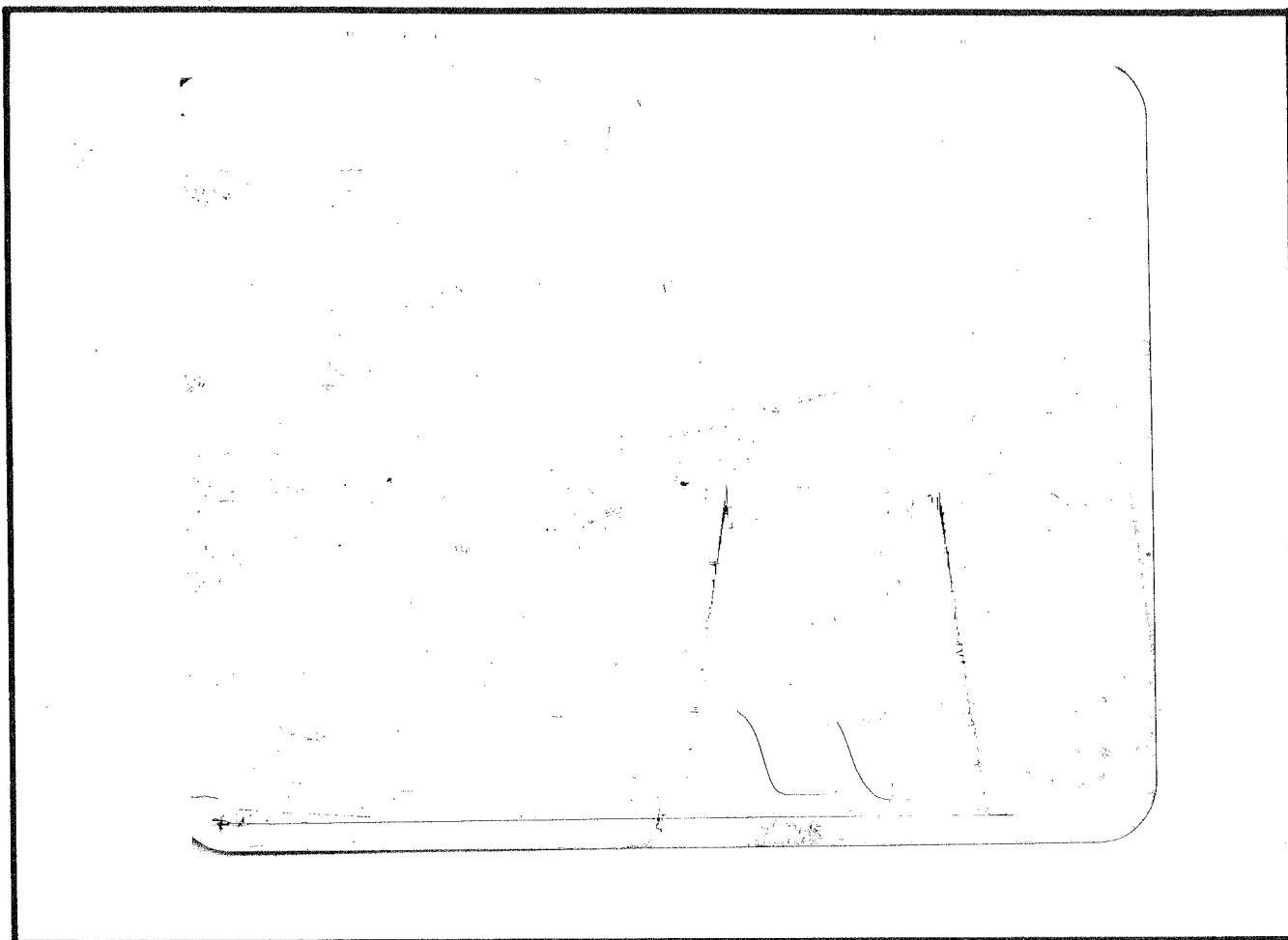
RECOVERY: 1300' GAS IN PIPE, 150' MUD+GAS CUT OIL

REIF OIL+GAS CO
Start Test Date: 2010/10/10
Final Test Date: 2010/10/10

KETA #1

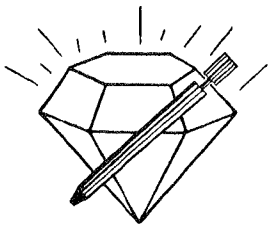
KETA #1
Formation: LANSING "F"
Job Number: D831





This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Elec. Office Reading
(A) Initial Hydrostatic Mud	1545	1545
(B) First Initial Flow Pressure.....	32	32
(C) First Final Flow Pressure	56	56
(D) Initial Closed-in Pressure	540	540
(E) Second Initial Flow Pressure	70	70
(F) Second Final Flow Pressure.....	77	77
(G) Final Closed-in Pressure.....	578	578
(H) Final Hydrostatic Mud	1535	1535



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Company Reif Oil & Gas Company, LLC Lease & Well No. Keta No. 1
Elevation 1966 KB Formation Lansing "H" - "K" Effective Pay -- Ft. Ticket No. J2625
Date 10-11-10 Sec. 9 Twp. 17S Range 14W County Barton State Kansas
Test Approved By Josh R. Austin Diamond Representative John C. Riedl
Formation Test No. 3 Interval Tested from 3,334 ft. to 3,420 ft. Total Depth 3,420 ft.
Packer Depth 3,329 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.
Packer Depth 3,334 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.
Depth of Selective Zone Set -- ft.
Top Recorder Depth (Inside) 3,337 ft. Recorder Number 30046 Cap. 6,000 psi
Bottom Recorder Depth (Outside) 3,417 ft. Recorder Number 11073 Cap. 4,000 psi
Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi
Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.
Mud Type Chemical Viscosity 55 Weight Pipe Length -- ft. I.D. -- in.
Weight 9.0 Water Loss 11.0 cc. Drill Pipe Length 3,314 ft. I.D. 3 1/2 in.
Chlorides 9,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.
Jars: Make Sterling Serial Number Not Run Anchor Length 86 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 12 mins. No blow back during shut-in.
2nd Open: Strong blow. Off bottom of bucket immediately. Weak blow back during shut-in.
Recovered 1,000 ft. of gas in pipe
Recovered 100 ft. of very slightly mud cut gassy oil = 1.423000 bbls. (Grind out: 5%-mud; 20%-gas; 75%-oil)
Recovered 100 ft. of TOTAL FLUID = 1.423000 bbls. Gravity: 38 @ 60°
Recovered -- ft. of --
Recovered -- ft. of --
Remarks --

Time Set Packer(s) 6:30 A.M. ~~PM~~ Time Started Off Bottom 9:30 A.M. ~~PM~~ Maximum Temperature 102°
Initial Hydrostatic Pressure (A) 1631 P.S.I.
Initial Flow Period Minutes 30 (B) 30 P.S.I. to (C) 45 P.S.I.
Initial Closed In Period Minutes 45 (D) 834 P.S.I.
Final Flow Period Minutes 45 (E) 48 P.S.I. to (F) 66 P.S.I.
Final Closed In Period Minutes 60 (G) 817 P.S.I.
Final Hydrostatic Pressure (H) 1589 P.S.I.

GENERAL INFORMATION

Client Information:

Company: REIF OIL+GAS CO

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: KETA #1

Operator: REIF OIL+GAS CO

Location-Downhole:

Location-Surface: S9/17S/11W BARTON CTY

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D832

Test Unit:

Start Date: 2010/10/11 Start Time: 05:20:00

End Date: 2010/10/11 End Time: 11:00:00

Report Date: 2010/10/11 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

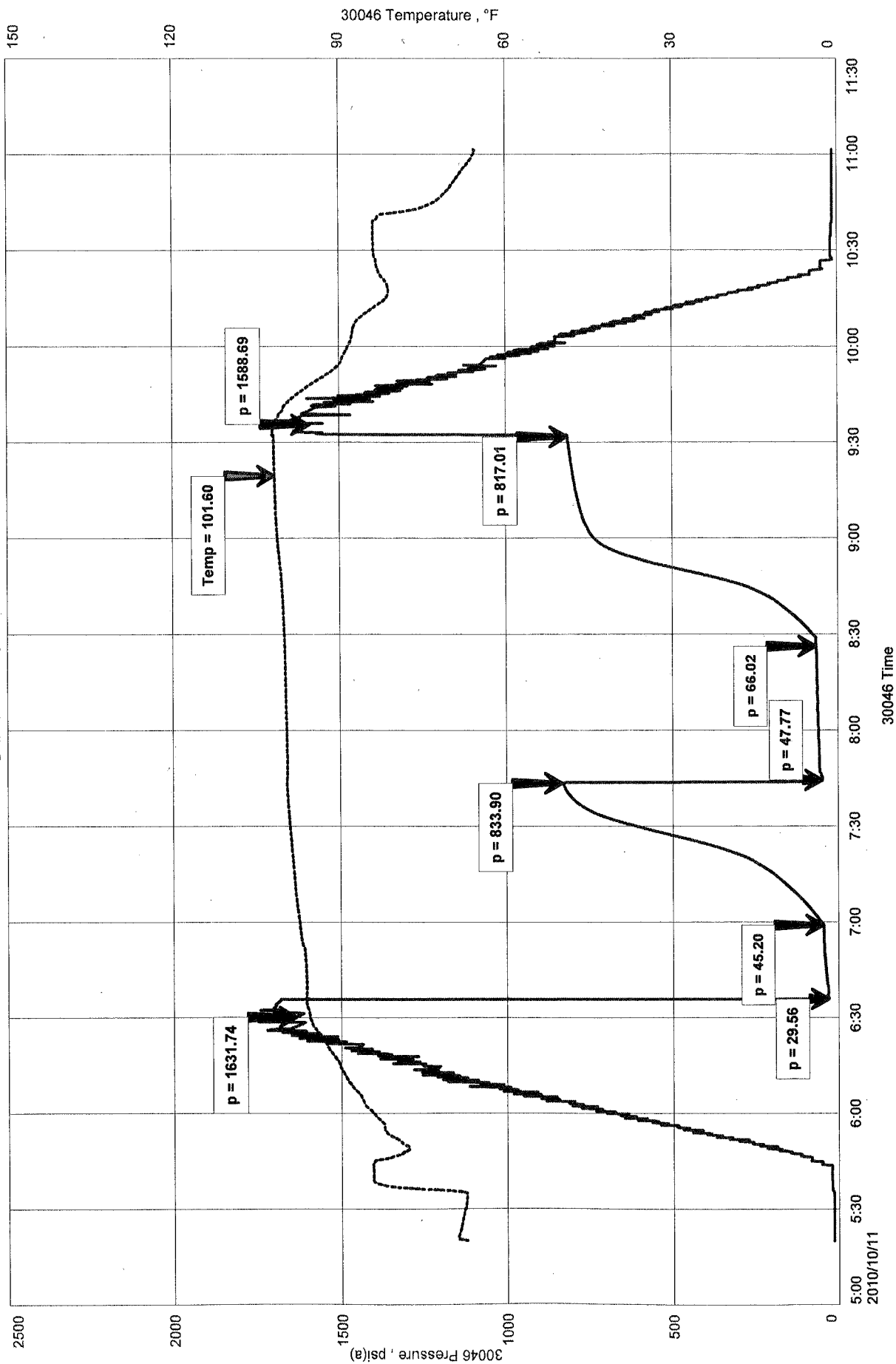
Remarks:

RECOVERY: 1000' GAS IN PIPE, 100' SLIGHTLY MUD CUT GASSY OIL

KETA #1
Formation: LANSING "H-K"
Job Number: D832

REIF OIL+GAS CO
Start Test Date: 2010/10/11
Final Test Date: 2010/10/11

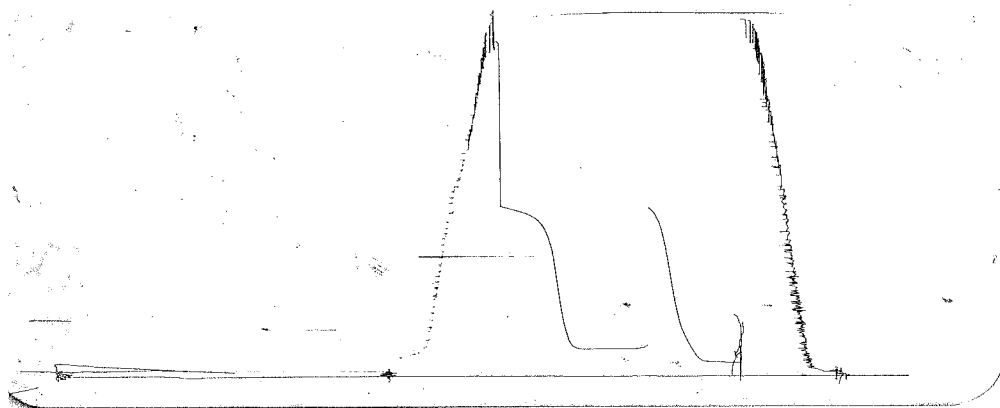
KETA #1



REIF OILGAS CO
KETA #1

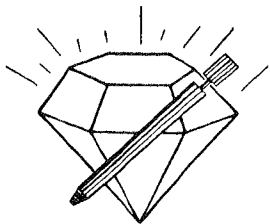
DST 1
10/11/70

REC 11073
OUTSIDE



This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec.
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	1632	1632	PSI
(B) First Initial Flow Pressure	30	30	PSI
(C) First Final Flow Pressure	45	45	PSI
(D) Initial Closed-in Pressure	834	834	PSI
(E) Second Initial Flow Pressure	48	48	PSI
(F) Second Final Flow Pressure	66	66	PSI
(G) Final Closed-in Pressure	817	817	PSI
(H) Final Hydrostatic Mud	1589	1589	PSI



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Company Reif Oil & Gas Company, LLC Lease & Well No. Keta No. 1

Elevation 1966 KB Formation Conglomerate Sand Effective Pay -- Ft. Ticket No. J2626

Date 10-11-10 Sec. 9 Twp. 17S Range 14W County Barton State Kansas

Test Approved By Josh R. Austin Diamond Representative John C. Riedl

Formation Test No. 4 Interval Tested from 3,418 ft. to 3,468 ft. Total Depth 3,468 ft.

Packer Depth 3,413 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 3,418 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -- ft.

Top Recorder Depth (Inside) 3,421 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,465 ft. Recorder Number 11073 Cap. 4,000 psi

Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. -- psi

Drilling Contractor Royal Drilling, Inc. - Rig 2 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 65 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.0 Water Loss 12.0 cc. Drill Pipe Length 3,398 ft. I.D. 3 1/2 in.

Chlorides 10,000 P.P.M. Test Tool Length 20 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number Not Run Anchor Length 50 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. Dead in 15 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 30 ft. of oil specked drilling mud = .426900 bbls.

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Recovered -- ft. of --

Remarks --

Time Set Packer(s) 7:05 ~~XXX~~ P.M. Time Started Off Bottom 9:05 ~~XXX~~ P.M. Maximum Temperature 99°

Initial Hydrostatic Pressure (A) 1619 P.S.I.

Initial Flow Period Minutes 30 (B) 29 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 107 P.S.I.

Final Flow Period Minutes 30 (E) 30 P.S.I. to (F) 32 P.S.I.

Final Closed In Period Minutes 30 (G) 62 P.S.I.

Final Hydrostatic Pressure (H) 1604 P.S.I.

GENERAL INFORMATION

Client Information:

Company: REIF OIL+GAS CO

Contact: DON REIF

Phone: Fax: e-mail:

Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

Well Information:

Name: KETA #1

Operator: REIF OIL+GAS CO

Location-Downhole:

Location-Surface: S9/17S/10W BARTON

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL

Job Number: D833

Test Unit:

Start Date: 2010/10/11

Start Time: 18:00:00

End Date: 2010/10/11

End Time: 22:20:00

Report Date: 2010/10/11

Prepared By: JOHN RIEDL

Remarks:

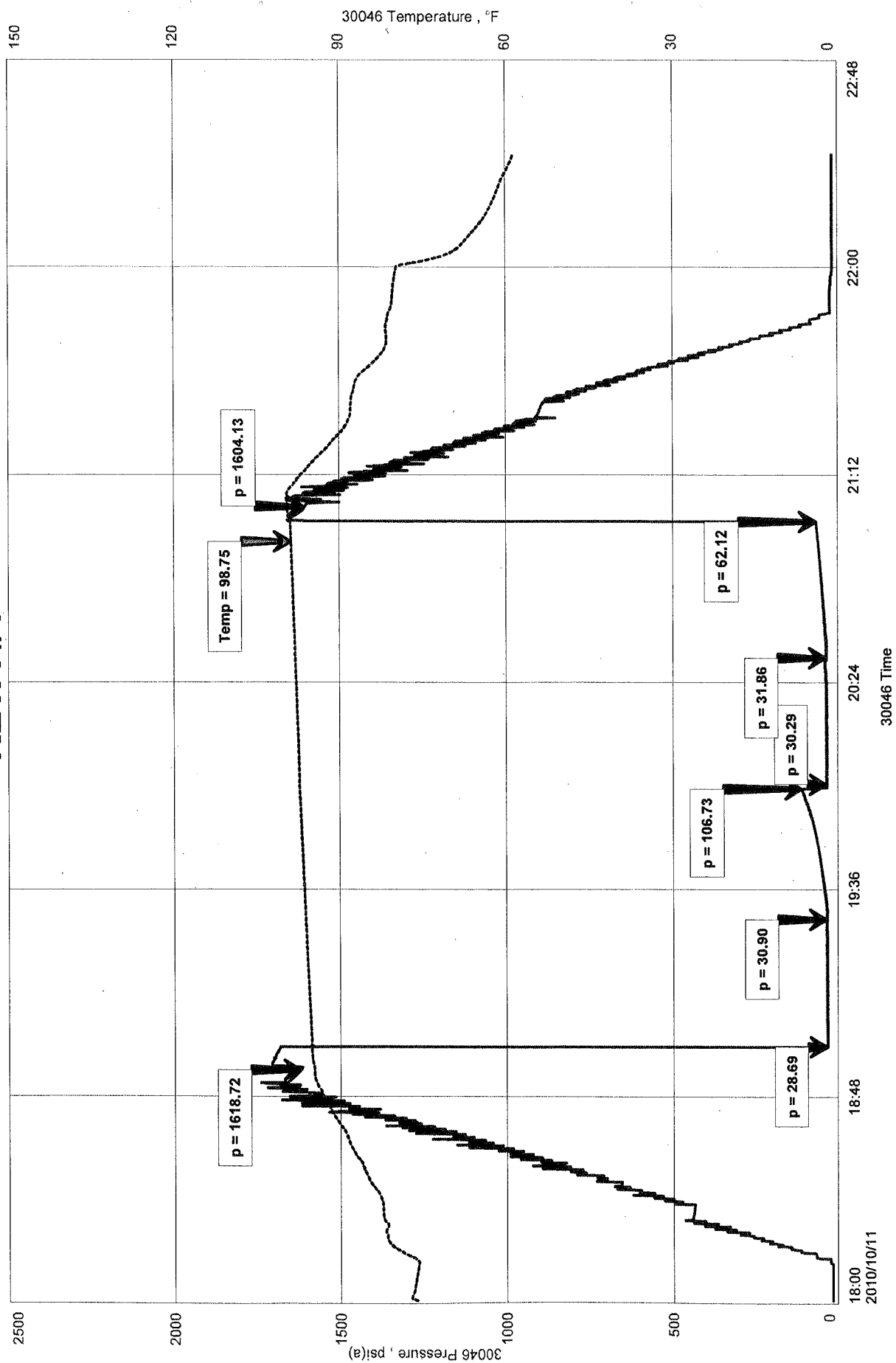
Qualified By: JOSH AUSTIN

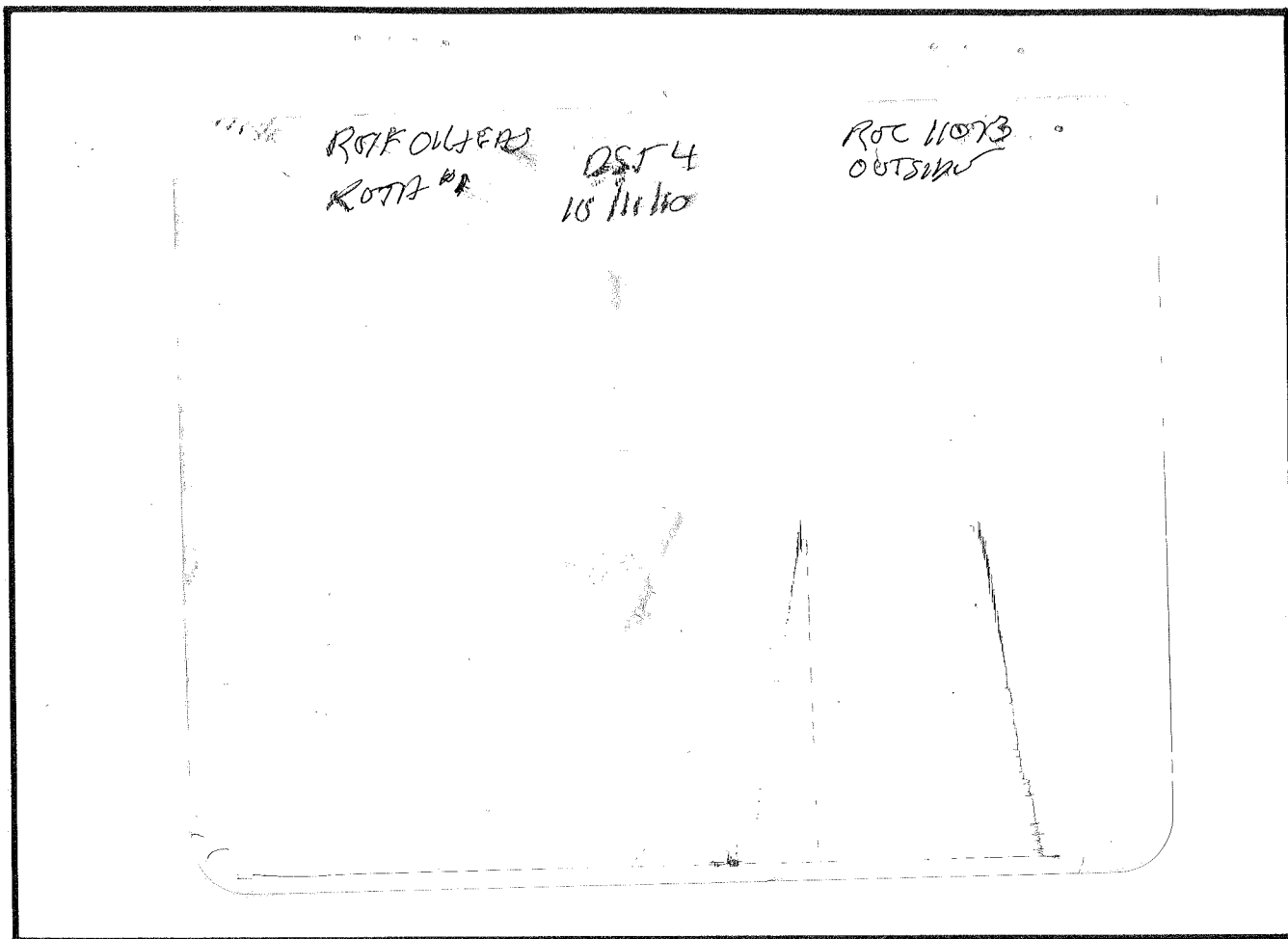
RECOVERY: 30' OIL SPECKED MUD

KETA #1
Formation: CONGLOMERATE
Job Number: D833

REIF OIL+GAS CO
Start Test Date: 2010/10/11
Final Test Date: 2010/10/11

KETA #1





This is an actual photograph of recorder chart.

POINT	PRESSURE		Elec. Office Reading	
	Field Reading			
(A) Initial Hydrostatic Mud	1619	1619	PSI	
(B) First Initial Flow Pressure.....	29	29	PSI	
(C) First Final Flow Pressure	31	31	PSI	
(D) Initial Closed-in Pressure	107	107	PSI	
(E) Second Initial Flow Pressure	30	30	PSI	
(F) Second Final Flow Pressure.....	32	32	PSI	
(G) Final Closed-in Pressure.....	62	62	PSI	
(H) Final Hydrostatic Mud	1604	1604	PSI	