

1168489

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 7560

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-8-13	6	16	12	Barton	Ks		7:15
Raymond Staudinger				Location: Beaver Ks - 4N to C.L., 1W to South Rd			
Lease			Well No. #1	Owner: KS, w/into			
Contractor: Royal #1			To Quality Oilwell Cementing, Inc.				
Type Job: Longstray			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
Hole Size: 7 7/8"	T.D.	3400'		Charge To: RSM Company			
Csg. 5 1/2"	Depth	3393'		Street			
Tbg. Size	Depth			City			
Tool	Depth			State			
The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg. 42.44'	Shoe Joint	42.44'		Cement Amount Ordered: 180s, Common 10% Salt 5%			
Meas Line	Displace	79 3/4 Bcs		Gillinite - 500 gal Mud Clear 48			
EQUIPMENT							
Pumptrk 16	No.	Cementer	Billy		Common		
Bulktrk 1	No.	Helper			Poz. Mix		
Bulktrk 1	No.	Driver			Gel.		
Bulktrk 1	No.	Driver			Calcium		
Bulktrk 1	No.	Driver	Riet		Hulls		
JOB SERVICES & REMARKS							
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers 1-9				Mud CLR 48			
Baskets 2-5				CFL-117 or CD110 CAF 38			
D/V or Port Collar pipe on bottom, break Circ. th.				Sand			
pump 500 gal mud clear 48 plug.				Handling			
Rathole w/ 30 s. plug on side				Mileage			
with 15 sy. Hook to 36" casing +				FLOAT EQUIPMENT			
mix 135 s. Cement. Shut down wash				Guide Shoe 1			
pump + lines Released plug + Displaced				Centralizer 9 turbo's			
with 79 3/4 Ris at 420				Baskets 2			
Released it				AFU Inserts 1			
Lift pressure 800 #				Float Shoe			
Load plug + 1400 #				Latch Down			
				1-Rotating head Assy			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
X Signature: [Signature]							

GENERAL INFORMATION

Client Information:

Company: RJM CO.

Contact: CHRIS HOFFMAN

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: RAYMOND STAUDNGER #1

Operator: RJM CO.

Location-Downhole:

Location-Surface: S6/16S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: DST #1 CONVENTIONAL Job Number: 1376

Test Unit:

Start Date: 2013/11/04 Start Time: 13:40:00

End Date: 2013/11/04 End Time: 19:00:00

Report Date: 2013/11/04 Prepared By: JOHN RIEDL

Qualified By: JIM MUSGROVE

Remarks:

RECOVERY: 70' VERY SLIGHTLY OIL CUT WATERY MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: STC/Raymondstaudinger

TIME ON: 13:40 11/04/13
TIME OFF: 19:00 11/04/13

Company RJM COMPANY Lease & Well No. RAYMOND STAUDINGER
Contractor ROYAL DRILLING RIG 1 Charge to RJM COMPANY
Elevation 1871 GL Formation PLATTSMOUTH Effective Pay _____ Ft. Ticket No. D1376
Date 11/04/13 Sec. 6 Twp. 16 S Range 12 W County BARTON State KANSAS
Test Approved By JIM MUSGROVE Diamond Representative JOHN RIEDL

Formation Test No. 1 Interval Tested from 2886 ft. to 2924 ft. Total Depth 2924 ft.

Packer Depth 2881 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 2886 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2889 ft. Recorder Number 30046 Cap. 6000 P.S.I.

Bottom Recorder Depth (Outside) 2921 ft. Recorder Number 11073 Cap. 4000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 62 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 8.8 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2600 P.P.M. Drill Pipe Length 2866 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 38 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: FAIR (4") NO BB

2nd Open: FAIR (4") NO BB

Recovered 70 ft. of VSLOCWM (1%OIL 25%WATER 74%MUD)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY :70' IN DRILL PIPE

TOOL SAMPLE GRINDOUT (40%WATER 60%MUD)

Time Set Packer(s) 2:50 P.M. A.M. Time Started Off Bottom 5:50 P.M. A.M. Maximum Temperature 98

Initial Hydrostatic Pressure..... (A) 1336 P.S.I.

Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 702 P.S.I.

Final Flow Period..... Minutes 45 (E) 39 P.S.I. to (F) 45 P.S.I.

Final Closed In Period..... Minutes 60 (G) 676 P.S.I.

Final Hydrostatic Pressure..... (H) 1331 P.S.I.

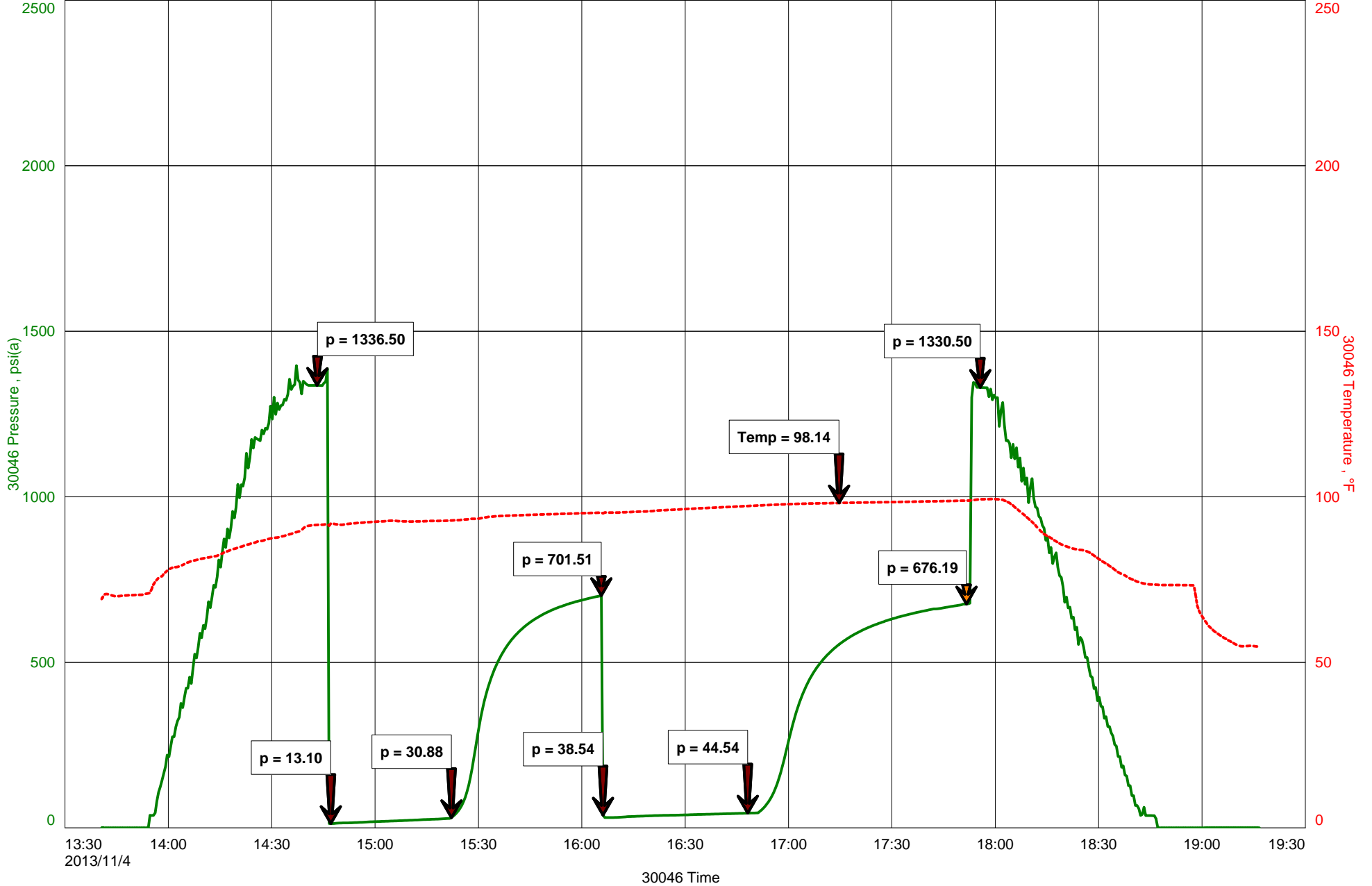
Price Job
Other Charges
Insurance
Total

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RJM CO.
Start Test Date: 2013/11/04
Final Test Date: 2013/11/04

RAYMOND STAUDNGER #1
Formation: PLATTSMOUTH
Job Number: 1376

RAYMOND STAUDNGER #1



GENERAL INFORMATION

Client Information:

Company: RJM CO.

Contact: CHRIS HOFFMAN

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: RAYMOND STAUDINGER #1

Operator: RJM CO.

Location-Downhole:

Location-Surface: S6/16S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: DST #2 CONVENTIONAL Job Number: D1276

Test Unit:

Start Date: 2013/11/05 Start Time: 08:00:00

End Date: 2013/11/05 End Time: 13:20:00

Report Date: 2013/11/05 Prepared By: JOHN RIEDL

Remarks: Qualified By: JIM MUSGROVE

RECOVERY: 45' SLIGHTLY OIL CUT MUD , 60' MUD CUT WATER



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 08:00 11/05/13
 TIME OFF: 13:20 11/05/13

DRILL-STEM TEST TICKET
 FILE: STC/Raymondstaudinger1dst2

Company RJM COMPANY Lease & Well No. RAYMOND STAUDINGER
 Contractor ROYAL DRILLING RIG 1 Charge to RJM COMPANY
 Elevation 1871 GL Formation _____ LKC Effective Pay _____ Ft. Ticket No. D1377
 Date 11/05/13 Sec. 6 Twp. _____ 16 S Range _____ 12 W County BARTON State KANSAS
 Test Approved By JIM MUSGROVE Diamond Representative JOHN RIEDL

Formation Test No. 2 Interval Tested from 3050 ft. to 3130 ft. Total Depth 3130 ft.

Packer Depth 3045 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 3050 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3053 ft. Recorder Number 30046 Cap. 6000 P.S.I.

Bottom Recorder Depth (Outside) 3127 ft. Recorder Number 11073 Cap. 4000 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 62 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 8.8 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 2600 P.P.M. Drill Pipe Length 3030 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 80 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 60' DRILL PIPE Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD (8") NO BB

2nd Open: STRONG (10") NO BB

Recovered 45 ft. of SLOCM (5% OIL 95%MUD)

Recovered 50 ft. of MW (10%MUD 90%WATER)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY 105:' IN DRILL PIPE

TOOL SAMPLE GRINDOUT (105mud 90%water))

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 9:00 A.M. A.M. P.M. Time Started Off Bottom 11:45 A.M. A.M. P.M. Maximum Temperature 106

Initial Hydrostatic Pressure..... (A) 1446 P.S.I.

Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 35 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 586 P.S.I.

Final Flow Period..... Minutes 45 (E) 41 P.S.I. to (F) 67 P.S.I.

Final Closed In Period..... Minutes 60 (G) 590 P.S.I.

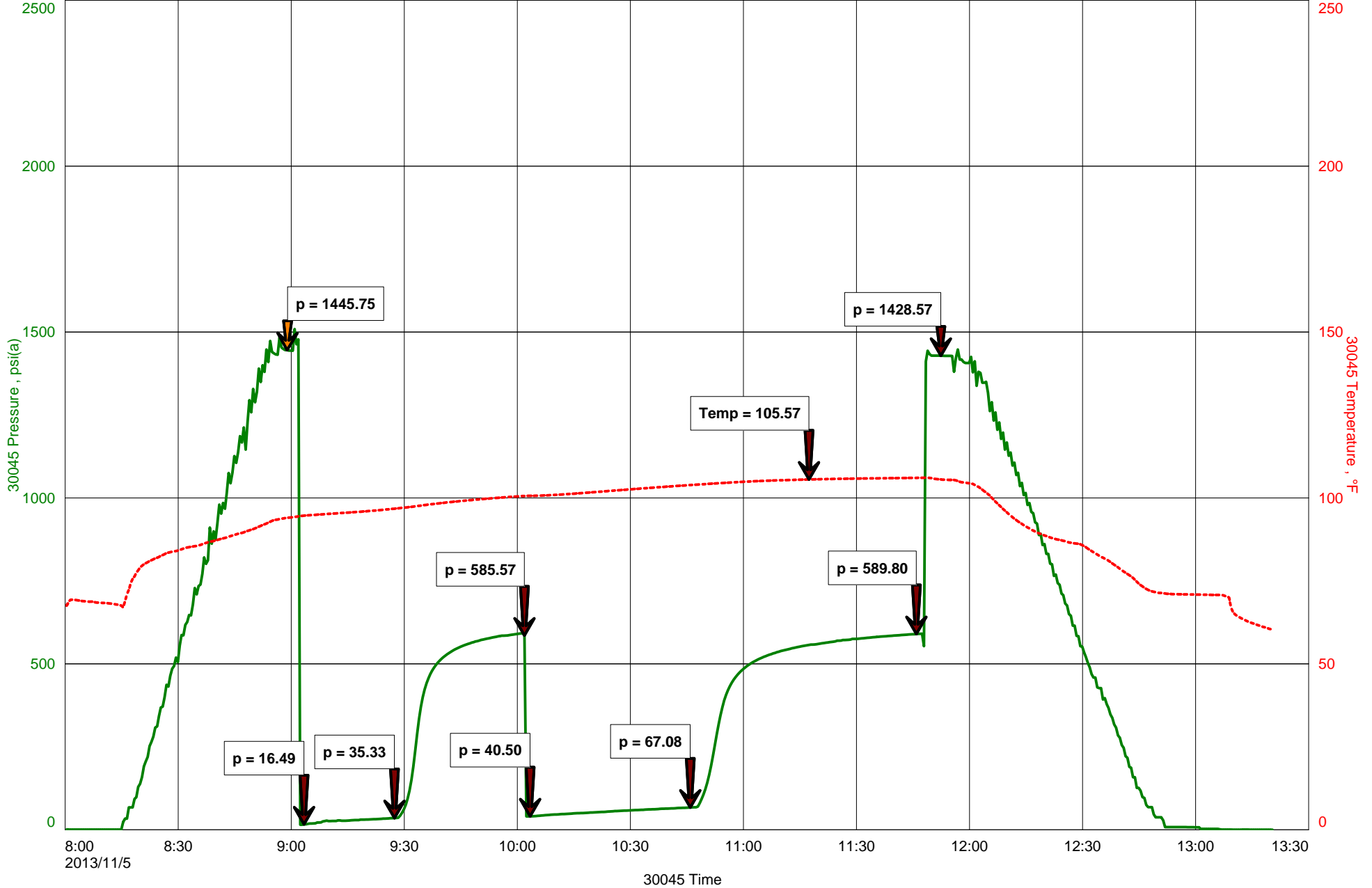
Final Hydrostatic Pressure..... (H) 1429 P.S.I.

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RJM CO.
Start Test Date: 2013/11/05
Final Test Date: 2013/11/05

RAYMOND STAUDINGER #1
Formation: LKC A-F
Job Number: D1276

RAYMOND STAUDINGER #1



GENERAL INFORMATION

Client Information:

Company: RJM CO.

Contact: BRAD MILLER

Phone: Fax: e-mail:

Site Information:

Contact: JIM MUSGROVE

Phone: Fax: e-mail:

Well Information:

Name: RAYMOND STAUDINGER #1

Operator: RJM COMPANY

Location-Downhole:

Location-Surface: S6/16S/12W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JIM MUSGROVE

Test Type: DST #3 CONVENTIONAL Job Number: D1377

Test Unit:

Start Date: 2013/11/05 Start Time: 19:00:00

End Date: 2013/11/05 End Time: 23:30:00

Report Date: 2013/11/05 Prepared By: JOHN RIEDL

Qualified By: JIM MUSGROVE

Remarks:

RECOVERY: 30' DRILLING MUD



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 19:00 11/05/13
 TIME OFF: 23:30 11/05/13

DRILL-STEM TEST TICKET
 FILE: STC/Raymondstaudinger1dst3

Company RJM COMPANY Lease & Well No. RAYMOND STAUDINGER
 Contractor ROYAL DRILLING RIG 1 Charge to RJM COMPANY
 Elevation 1871 GL Formation LKC "G" Effective Pay _____ Ft. Ticket No. D1378
 Date 11/05/13 Sec. 6 Twp. 16 S Range 12 W County BARTON State KANSAS
 Test Approved By JIM MUSGROVE Diamond Representative JOHN RIEDL

Formation Test No. 3 Interval Tested from 3130 ft. to 3147 ft. Total Depth 3147 ft.
 Packer Depth 3125 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3130 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3133 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3144 ft. Recorder Number 11073 Cap. 4000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 9 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 6,000 P.P.M. Drill Pipe Length 3110 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 17 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK DEAD 15 MIN NO BB
 2nd Open: NO BLOW

Recovered 30 ft. of DRILLING MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY :30' IN DRILL PIPE
TOOL SAMPLE GRINDOUT (100%MUD))

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 8:00 P.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 10:00 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 101

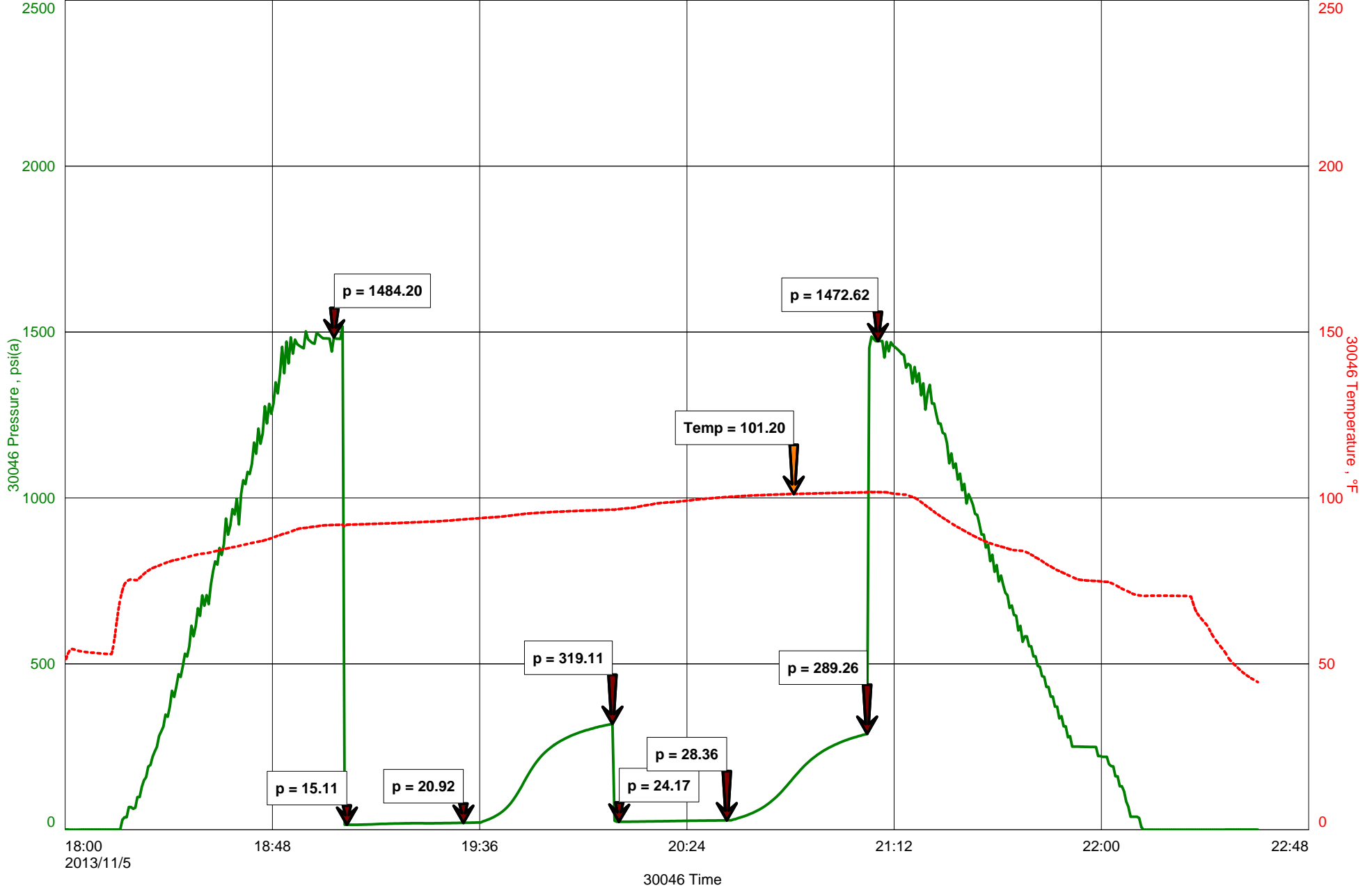
Initial Hydrostatic Pressure..... (A) 1484 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 29 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 319 P.S.I.
 Final Flow Period..... Minutes 30 (E) 24 P.S.I. to (F) 28 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 289 P.S.I.
 Final Hydrostatic Pressure..... (H) 1472 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RJM CO.
Start Test Date: 2013/11/05
Final Test Date: 2013/11/05

RAYMOND STAUDINGER #1
Formation: LKC "A"
Job Number: D1377

RAYMOND STAUDINGER #1





DIAMOND TESTING
JOHN RIEDL - TESTER
CELL 620-793-0550

General Information

Company Name	RJM CO	Job Number	
Contact	BRAD MILLER	Test Unit	
Well Name	RONALD STAUDINGER #1	Report Date	2013/11/06
Unique Well ID	DST #4 LKC 'H-J' 3,180' - 3,250'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 6-10S-12W BARTON CO., KS	Qualified By	JIM MUSGROVE
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #4 LKC'H-J' 3,180' - 3,250'
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Date	2013/11/06	Start Test Time	10:45:00
Final Test Date	2013/11/06	Final Test Time	15:46:00

Gauge Name 30046

Remarks

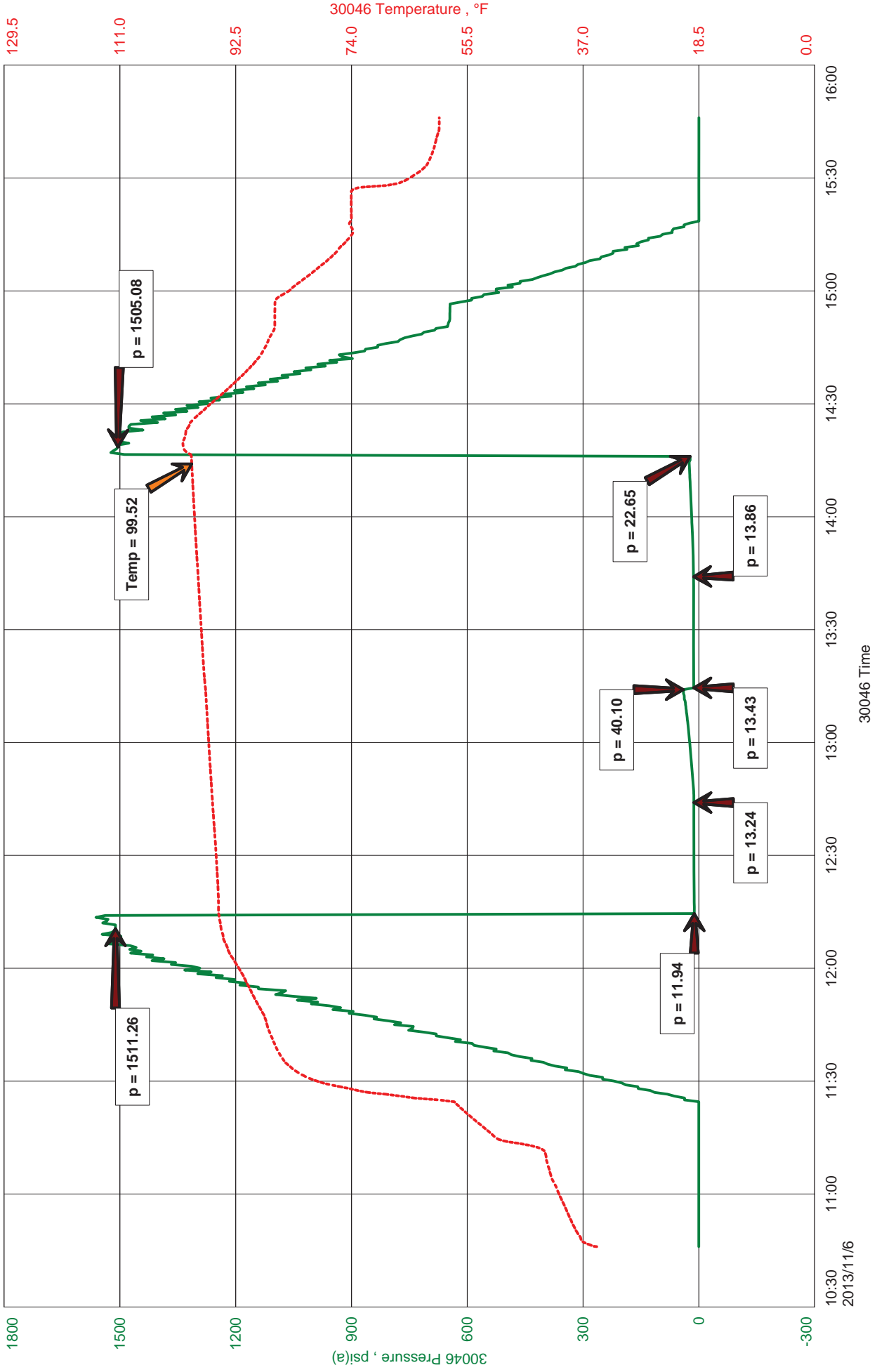
RECOVERED: 5' DM 100% MUD

TOOL SAMPLE 100% DM WITH FEW OIL SPECKS

RJM CO
 DST #4 LKC 'H-J' 3,180' - 3,250'
 Start Test Date: 2013/11/06
 Final Test Date: 2013/11/06

RONALD STAUDINGER #1
 Formation: DST #4 LKC'H-J' 3,180' - 3,250'

RONALD STAUDINGER #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON: 10:45
TIME OFF: 15:46

DRILL-STEM TEST TICKET
FILE: STC/Raymondstaudinger1dst4

Company RJM COMPANY Lease & Well No. RAYMOND STAUDINGER #1
Contractor ROYAL DRILLING RIG 2 Charge to RJM COMPANY
Elevation 1871 GL Formation LKC "G" Effective Pay _____ Ft. Ticket No. _____
Date 11/06/13 Sec. 6 Twp. 16 S Range 12 W County BARTON State KANSAS
Test Approved By JIM MUSGROVE Diamond Representative ROGER D. FRIEDLY

Formation Test No. 4 Interval Tested from 3,180 ft. to 3,250 ft. Total Depth 3,250 ft.
Packer Depth 2,175 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3,180 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3,181 ft. Recorder Number 30046 Cap. 6000 P.S.I.
Bottom Recorder Depth (Outside) 3,247 ft. Recorder Number 11073 Cap. 4000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 40 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,000 P.P.M. Drill Pipe Length _____ ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 70 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO 1/2" NO BB
2nd Open: NO BLOW NO BB

Recovered 5 ft. of DM 100% MUD
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY :5' IN DRILL PIPE
TOOL SAMPLE GRINDOUT (100%MUD WITH FEW OIL SPECKS)

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 12:13 P.M. ^{A.M.} P.M. Time Started Off Bottom 2:13 P.M. ^{A.M.} P.M. Maximum Temperature 100

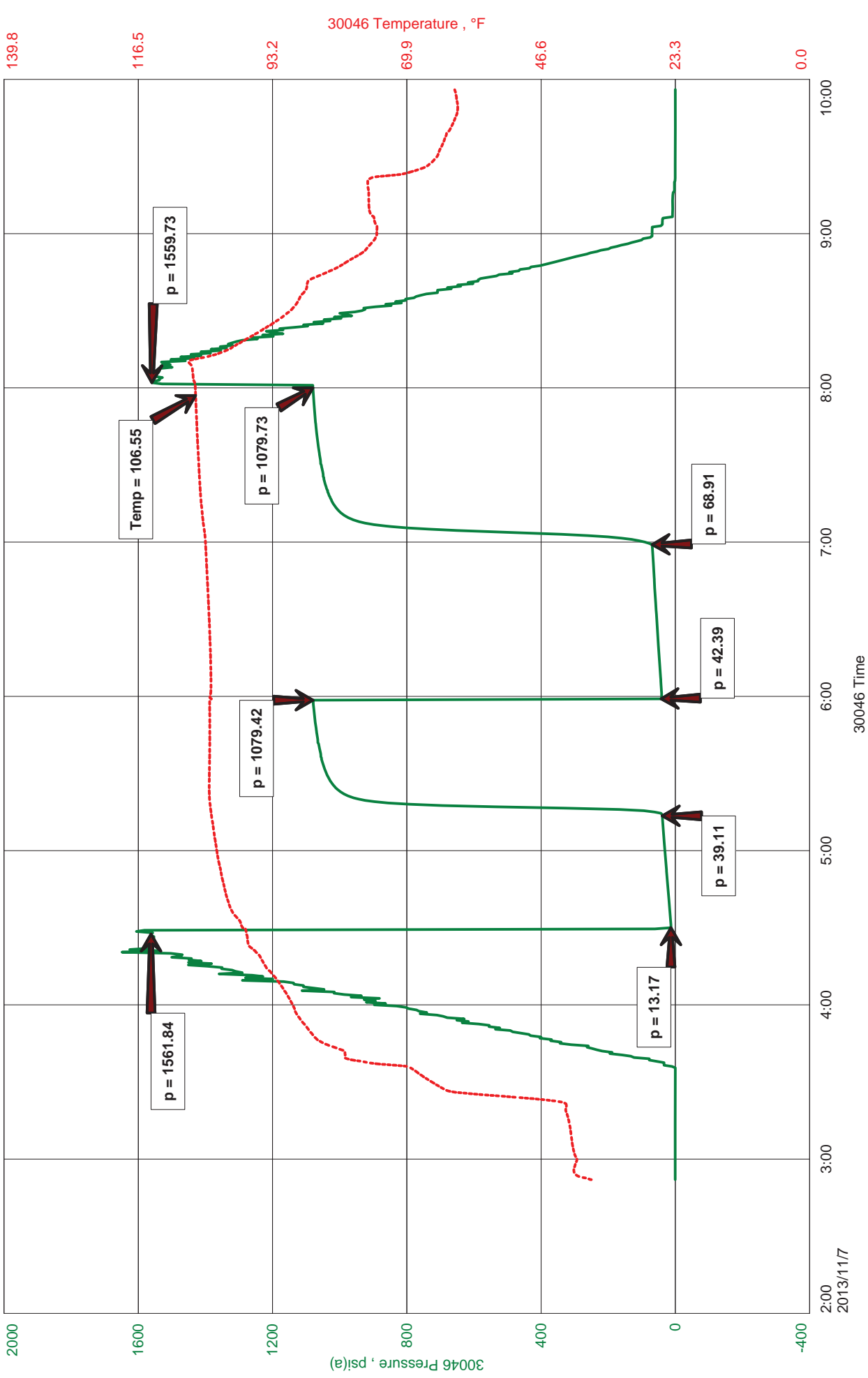
Initial Hydrostatic Pressure..... (A) 1,511 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 40 P.S.I.
Final Flow Period..... Minutes 30 (E) 13 P.S.I. to (F) 14 P.S.I.
Final Closed In Period..... Minutes 30 (G) 23 P.S.I.
Final Hydrostatic Pressure..... (H) 1,505 P.S.I.

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RJM CO
DST #5 BASIL SAND 3,282' - 3,325'
Start Test Date: 2013/11/07
Final Test Date: 2013/11/07

RAYMOND STAUDINGER #1
Formation: DST #5 BASIL SAND 3,282' - 3,325'

RAYMOND STAUDINGER #1





DIAMOND TESTING
JOHN RIEDL - TESTER
CELL 620-793-0550

General Information

Company Name	RJM CO	Job Number	
Contact	BRAD MILLER	Test Unit	
Well Name	RAYMOND STAUDINGER #1	Report Date	2013/11/07
Unique Well ID	DST #5 BASIL SAND 3,282' - 3,325'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 6-10S-12W BARTON CO., KS	Qualified By	WYATT
Field	WILDCAT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL
Formation	DST #5 BASIL SAND 3,282' - 3,325'
Well Fluid Type	06 Water
Test Purpose (AEUB)	Initial Test

Start Test Date	2013/11/07	Start Test Time	02:52:00
Final Test Date	2013/11/07	Final Test Time	09:56:00

Gauge Name	30046
------------	-------

Remarks

RECOVERED:	200'	GAS IN PIPE
	77'	CLEAN OIL 39 GRAVITY @ 60 deg.
	72'	G&OCM 10% GAS, 20% OIL, 70% MUD
	149'	TOTAL FLUID

TOOL SAMPLE: 10% GAS, 35% OIL, 55% MUD



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 02:52
 TIME OFF: 09:56

DRILL-STEM TEST TICKET
 FILE: STC/Raymondstaudinger1dst5

Company RJM COMPANY Lease & Well No. RAYMOND STAUDINGER #1
 Contractor ROYAL DRILLING RIG 2 Charge to RJM COMPANY
 Elevation 1,878 KB Formation BASIL SAND Effective Pay _____ Ft. Ticket No. _____
 Date 11/07/13 Sec. 6 Twp. 16 S Range 12 W County BARTON State KANSAS
 Test Approved By WYATT URBAN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 5 Interval Tested from 3,282 ft. to 3,325 ft. Total Depth 3,325 ft.
 Packer Depth 3,277 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3,282 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,283 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3,322 ft. Recorder Number 13498 Cap. 3925 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 46 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,000 P.P.M. Drill Pipe Length 3,262 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 43 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4" BLOW INCREASING TO BOTTOM OF BUCKET 43 MIN NO BB
 2nd Open: WEAK SURFACE BLOW INCREASING TO BOTTOM OF BUCKET IN 55 MIN. NO BB

Recovered 200 ft. of GAS IN PIPE
 Recovered 77 ft. of CLEAN OIL 39 GRAVITY @ 60 deg.
 Recovered 72 ft. of G&OCM 10% GAS, 20% OIL, 60% MUD
 Recovered 149 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SAMPLE GRINDOUT (10% GAS, 35% OIL, 55% MUD)</u>	Insurance
	Total

Time Set Packer(s) 4:27 A.M. A.M. P.M. Time Started Off Bottom 7:57 A.M. A.M. P.M. Maximum Temperature 107

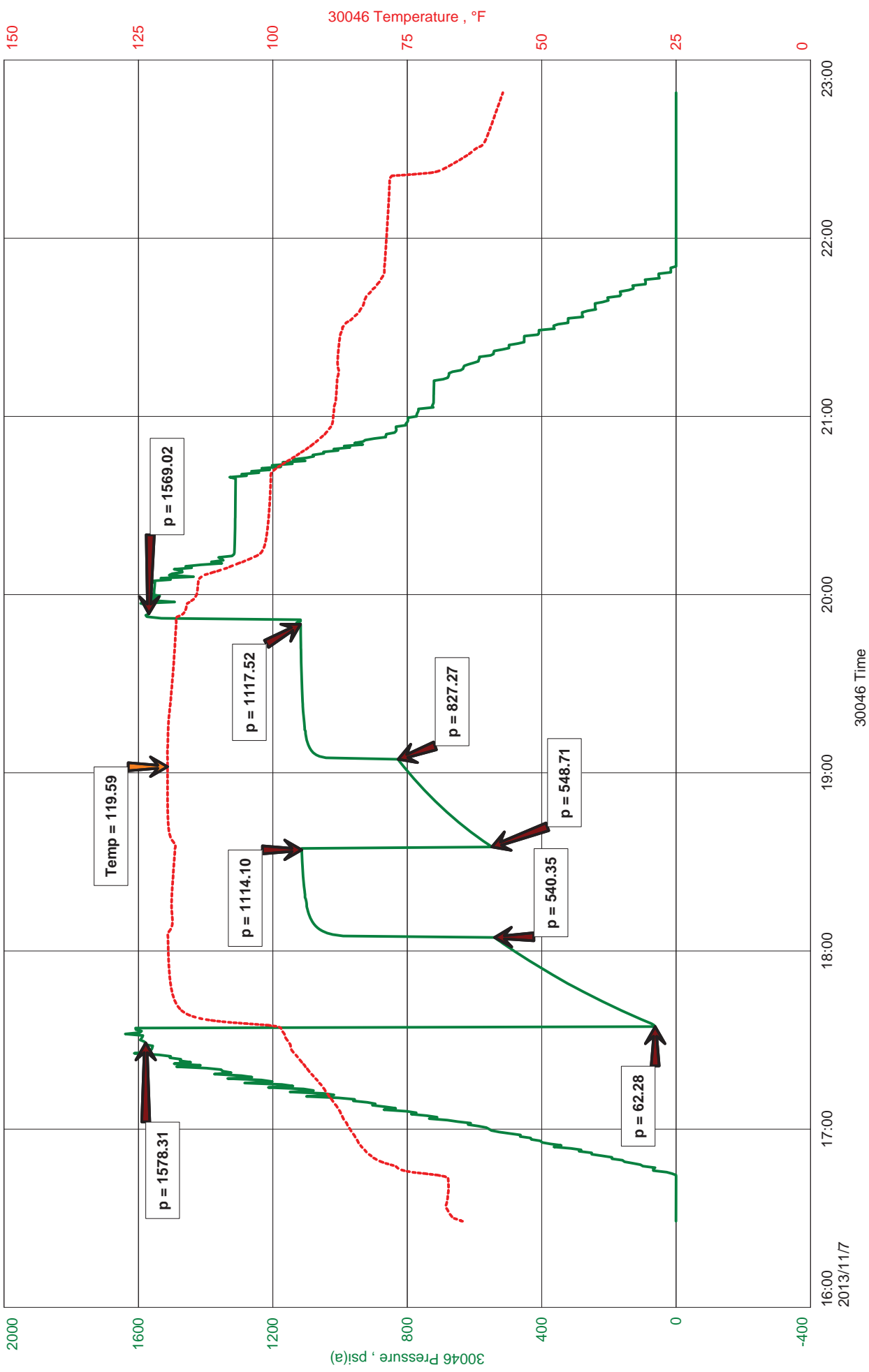
Initial Hydrostatic Pressure..... (A) 1,562 P.S.I.
 Initial Flow Period..... Minutes 45 (B) 13 P.S.I. to (C) 39 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1,079 P.S.I.
 Final Flow Period..... Minutes 60 (E) 42 P.S.I. to (F) 69 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1,080 P.S.I.
 Final Hydrostatic Pressure..... (H) 1,560 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

RJM OIL
 DST #6 BASIL SAND 3,326' - 3,340'
 Start Test Date: 2013/11/07
 Final Test Date: 2013/11/07

RAYMOND STAUDINGER #1
 Formation: DST #6 BASIL SAND 3,326' - 3,340'

RAYMOND STAUDINGER #1





DIAMOND TESTING
JOHN RIEDL - TESTER
CELL 620-793-0550

General Information

Company Name	RJM OIL	Job Number	
Contact	BRAD MILLER	Test Unit	
Well Name	RAYMOND STAUDINGER #1	Report Date	2013/11/07
Unique Well ID	DST #6 BASIL SAND 3,326' - 3,340'	Prepared By	ROGER D. FRIEDLY
Surface Location	SEC 6-10S-12W BARTON CO., KS	Qualified By	WYATT URBAN
Field	WILDACT		
Well Type	Vertical		

Test Information

Test Type	CONVENTIONAL		
Formation	DST #6 BASIL SAND 3,326' - 3,340'		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/07	Start Test Time	16:29:00
Final Test Date	2013/11/07	Final Test Time	22:52:00

Gauge Name 30046

Remarks

RECOVERED:	100'	GAS IN PIPE		
	50'	CLEAN OIL	39 GRAVITY @ 60 deg.	
	82'	OCMW	10% OIL, 30% WTR,	60% MUD
	186	SOSW	2% OIL, 98% WTR	
	1,302'	SW	100% WTR	
	1,620'	TOTAL FLUID		

TOOL SAMPLE 10% OIL, 90% WTR

CHLORUDES 114,000 Ppm
 PH 7.0
 RW .06 @ 50 deg



DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 16:29
 TIME OFF: 22:52

DRILL-STEM TEST TICKET
 FILE: STC/Raymondstaudinger1dst6

Company RJM COMPANY Lease & Well No. RAYMOND STAUDINGER #1
 Contractor ROYAL DRILLING RIG 2 Charge to RJM COMPANY
 Elevation 1,878 KB Formation BASIL SAND Effective Pay _____ Ft. Ticket No. _____
 Date 11/07/13 Sec. 6 Twp. 16 S Range 12 W County BARTON State KANSAS
 Test Approved By WYATT URBAN Diamond Representative ROGER D. FRIEDLY

Formation Test No. 6 Interval Tested from 3,326 ft. to 3,340 ft. Total Depth 3,340 ft.
 Packer Depth 3,321 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3,326 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,327 ft. Recorder Number 30046 Cap. 6000 P.S.I.
 Bottom Recorder Depth (Outside) 3,337 ft. Recorder Number 13498 Cap. 3925 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 50 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,000 P.P.M. Drill Pipe Length 3,306 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number NOT REQUESTED Test Tool Length 20 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 14 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 3" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 MIN. NO BB
 2nd Open: GOOD 3" BLOW INCREASING TO BOTTOM OF BUCKET IN 2 MIN. NO BB

Recovered 100 ft. of GAS IN PIPE
 Recovered 50 ft. of CLEAN OIL 39 GRAVITY @ 60 deg.
 Recovered 82 ft. of OCMW 10% OIL, 30% WTR, 60% MUD
 Recovered 186 ft. of SOCW 2% OIL, 98% WTr

Recovered <u>1,302</u> ft. of <u>SW100% WTR</u>	<u>CHLORIDES 114,000 Ppm</u>	Price Job
Recovered <u>1,620</u> ft. of <u>TOTAL FLUID</u>	<u>PH 7.0</u>	Other Charges
Remarks: <u>TOOL SAMPLE GRINDOUT (10% OIL, 90% WTR)</u>	<u>RW .06 @ 50 deg</u>	Insurance
		Total

Time Set Packer(s) 5:34 P.M. A.M. P.M. Time Started Off Bottom 7:49 P.M. A.M. P.M. Maximum Temperature 120

Initial Hydrostatic Pressure..... (A) 1,578 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 62 P.S.I. to (C) 540 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 1,114 P.S.I.
 Final Flow Period..... Minutes 30 (E) 549 P.S.I. to (F) 827 P.S.I.
 Final Closed In Period..... Minutes 45 (G) 1,118 P.S.I.
 Final Hydrostatic Pressure..... (H) 1,569 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.