



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1215388
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1215388

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Waymaster 1 Dst 1

TIME ON: 19:49 Jun 9
TIME OFF: 02:27 Jun 10

Company RJM Company Lease & Well No. Waymaster 1 Dst 1
Contractor Southwind Rig 6 Charge to RJM Company
Elevation 1776 Surveyed Formation _____ Takio Effective Pay _____ Ft. Ticket No. RR043
Date 06/09/2014 Sec. 2 Twp. _____ 15 S Range _____ 13 W County _____ Russell State KANSAS
Test Approved By Client Musgrove Diamond Representative RICKY RAY

Formation Test No. 1 Interval Tested from 2309 ft. to 2385 ft. Total Depth 2385 ft.
Packer Depth 2304 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2309 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2298 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 2382 ft. Recorder Number 13819 Cap. 5400 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 38 Drill Collar Length 00 ft. I.D. 2 1/4 in.
Weight 8.8 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5000 P.P.M. Drill Pipe Length 2285 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number Na Test Tool Length 24 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 76 A (12P) 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: 1/4 Blow Built to 7 inches in 30 mins **NOBB**
2nd Open: 1/4 Blow Built to 6 1/4 inches in 45 mins **NOBB**

Recovered <u>115</u> ft. of <u>HMW</u>	<u>65% W</u>	<u>35% M</u>	
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			RW: <u>.29 @ 60 Deg</u>
Recovered _____ ft. of _____			Chlorides: <u>260,000 PPM</u>
Recovered _____ ft. of _____			PH: <u>8</u>
Remarks: _____			Price Job
			Other Charges
			Insurance
Tool Sample: <u>81% W</u>	<u>19% M</u>		Total

Time Set Packer(s) 9:45 PM Jun 9 ^{A.M.}/_{P.M.} Time Started Off Bottom 10:45 AM Jun 10 ^{A.M.}/_{P.M.} Maximum Temperature 89

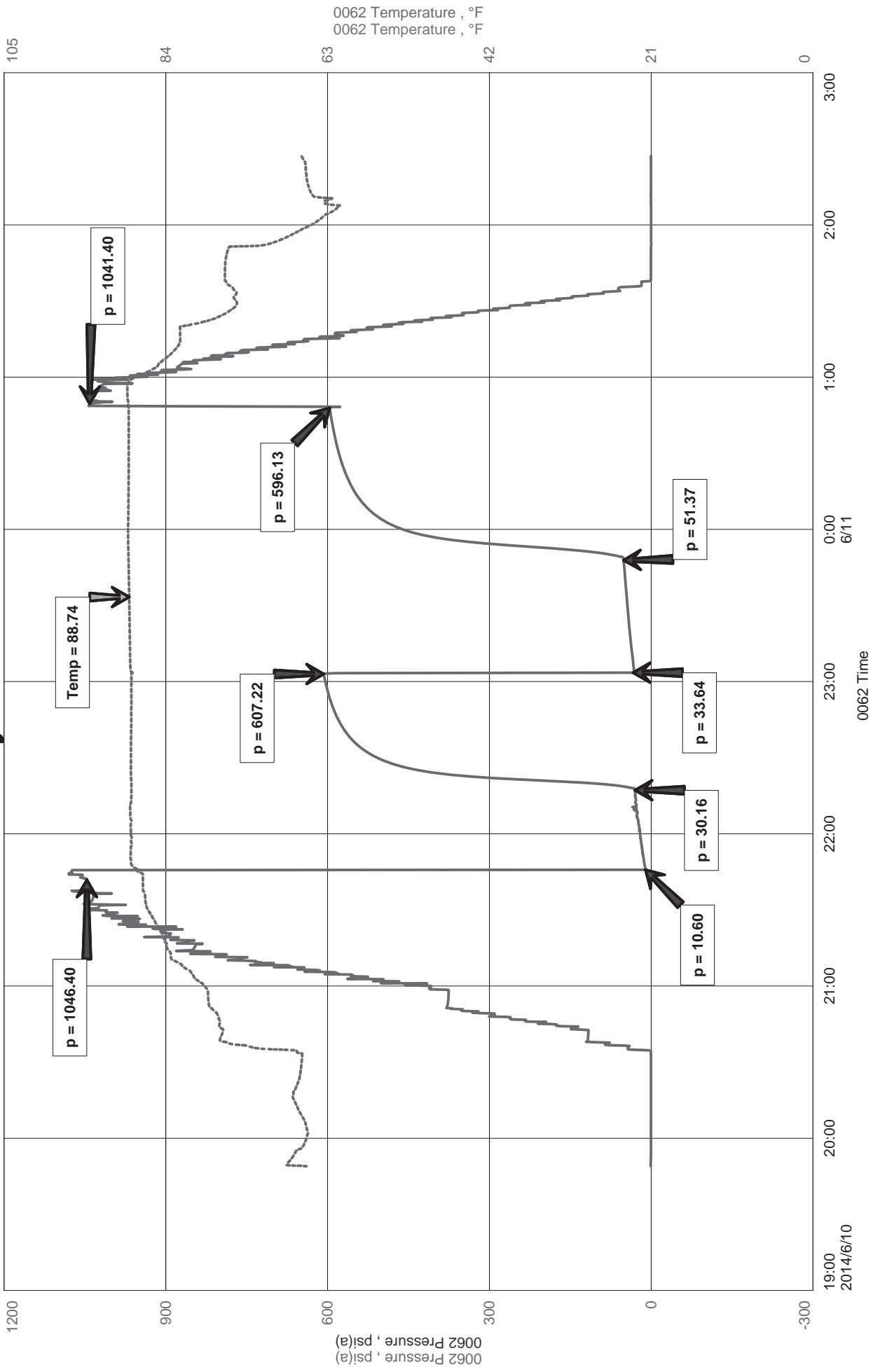
Initial Hydrostatic Pressure..... (A) 1046 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 30 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 607 P.S.I.
Final Flow Period..... Minutes 45 (E) 34 P.S.I. to (F) 51 P.S.I.
Final Closed In Period..... Minutes 60 (G) 596 P.S.I.
Final Hydrostatic Pressure..... (H) 1041 P.S.I.

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RJM Company
Dst 1 Takio (2309-2385)
Start Test Date: 2014/06/09
Final Test Date: 2014/06/10

Waymaster 1
Formation: Dst 1 Tarkiao (2309-2385)
Pool: InField
Job Number: RR043

Waymaster 1





Diamond Testing LLC
 P.O. Box 157
 Hoisington KS 67544

Ricky Ray - Tester
(620) 617-7261

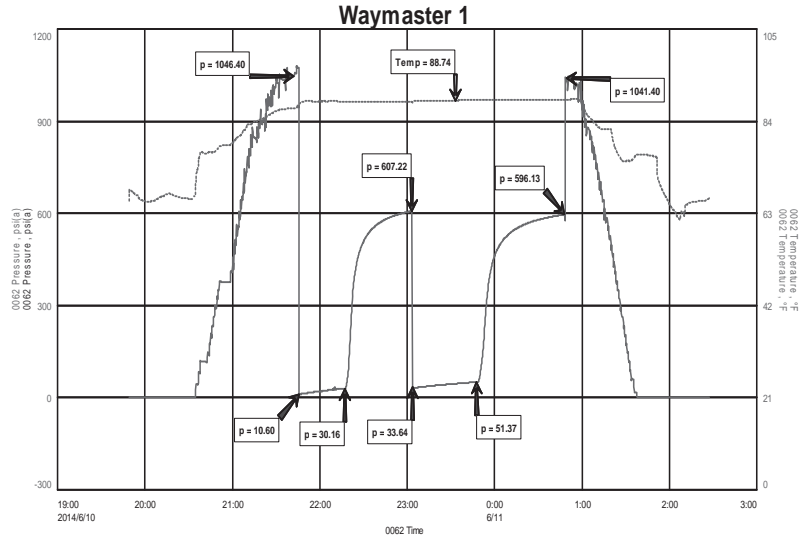
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Waymaster 1
Surface Location	Sec: 2-15s-13 W (Russell County)
Field	Hali Gurney
Well Type	Vertical
Pool	InField
Test Purpose (AEUB)	Initial Test
Qualified By	Client Musgrove
Gauge Name	0062

Test Information

Job Number	RR043
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Tarkiao (2309-2385)
Start Test Date	2014/06/09 YYYY/MM/DD
Start Test Time	19:49:00 HH:mm:ss
Final Test Date	2014/06/10 YYYY/MM/DD
Final Test Time	02:27:00 HH:mm:ss



Test Results

Recovery:

115' HMW 65% W 35% M

Tool Sample: 81%W 19% M

RW: .29 @ 60 Deg
 Chlorides: 260,000 PPM
 PH: 8



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Waymaster 1 Dst 2

TIME ON: 08:40
TIME OFF: 14:05

Company RJM Company Lease & Well No. Waymaster 1 Dst 2
Contractor Southwind Rig 6 Charge to RJM Company
Elevation 1776 Surveyed Formation _____ Willard Effective Pay _____ Ft. Ticket No. RR044
Date 06/10/2014 Sec. 2 Twp. _____ 15 S Range _____ 13 W County _____ Russell State KANSAS
Test Approved By Client Musgrove Diamond Representative RICKY RAY

Formation Test No. 2 Interval Tested from 2390 ft. to 2445 ft. Total Depth 2445 ft.

Packer Depth 2385 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 2390 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 2379 ft. Recorder Number 0062 Cap. 5000 P.S.I.

Bottom Recorder Depth (Outside) 2442 ft. Recorder Number 11048 Cap. 5400 P.S.I.

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

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 00 ft. I.D. 2 1/4 in.

Weight 8.9 Water Loss 8.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in

Chlorides 4000 P.P.M. Drill Pipe Length 2366 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number Na Test Tool Length 24 ft. Tool Size 3 1/2-IF in

Did Well Flow? NA Reversed Out NA Anchor Length 55A (23.5P) 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: 1/4 Blow Built to 4 1/2 inches in 30 mins **NOBB**

2nd Open: 1/2 Blow Built to 6 inches in 45 mins **NOBB**

Recovered 30 ft. of SLO+HM 2% O 98% M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Tool Sample: 4% O 96% M

Time Set Packer(s) 9:54 AM A.M. Time Started Off Bottom 12:39 PM P.M. Maximum Temperature 88

Initial Hydrostatic Pressure..... (A) 1098 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 15 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 471 P.S.I.

Final Flow Period..... Minutes 45 (E) 19 P.S.I. to (F) 35 P.S.I.

Final Closed In Period..... Minutes 45 (G) 374 P.S.I.

Final Hydrostatic Pressure..... (H) 1095 P.S.I.

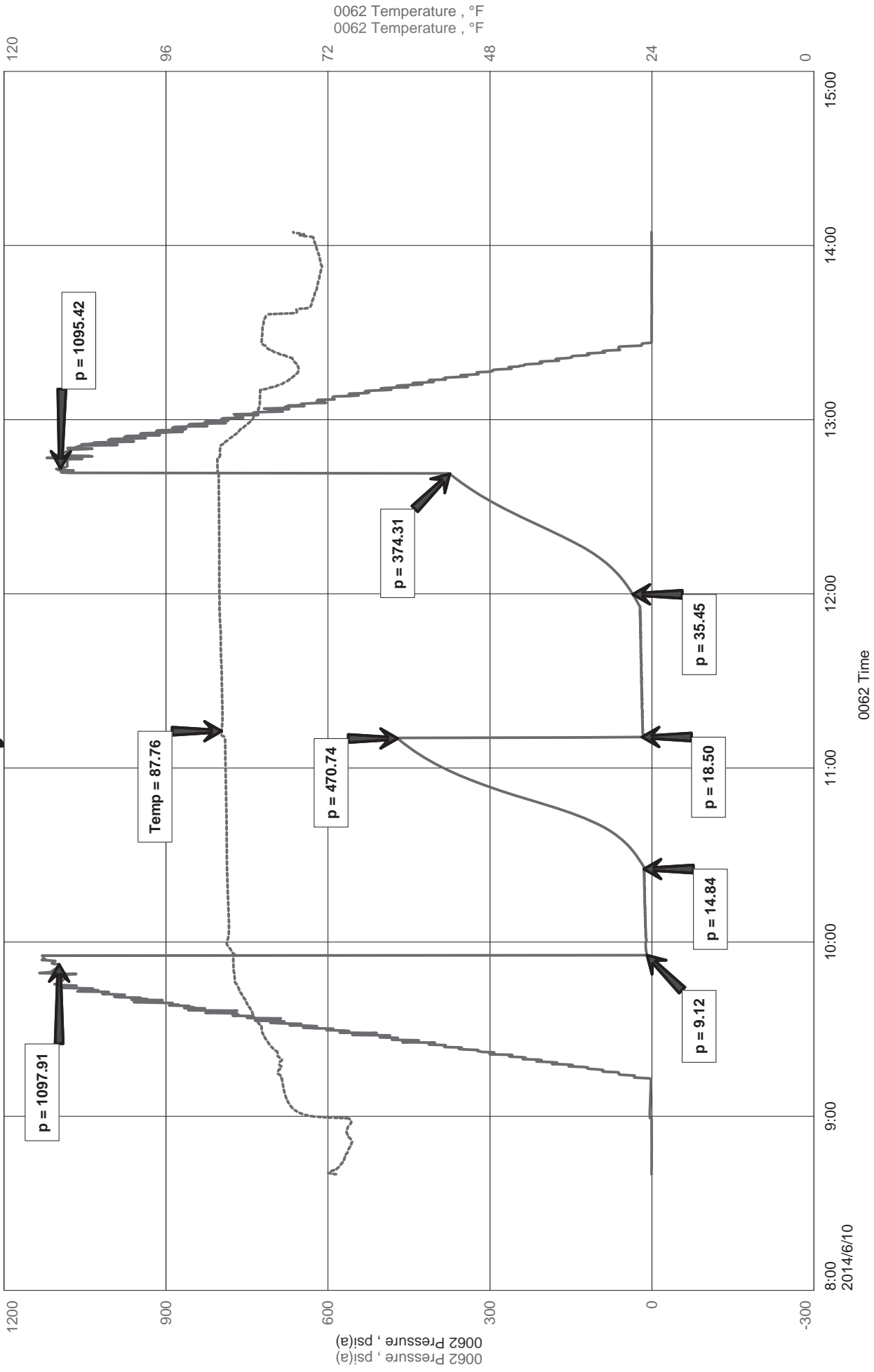
Price Job
Other Charges
Insurance
Total

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RJM Company
Dst 2 Willard (2390-2445)
Start Test Date: 2014/06/10
Final Test Date: 2014/06/10

Waymaster 1
Formation: Dst 2 Willard (2390-2445)
Pool: infield
Job Number: RR044

Waymaster 1





Diamond Testing LLC
 P.O. Box 157
 HoisingtonKS 67544

Ricky Ray - Tester
(620) 617-7261

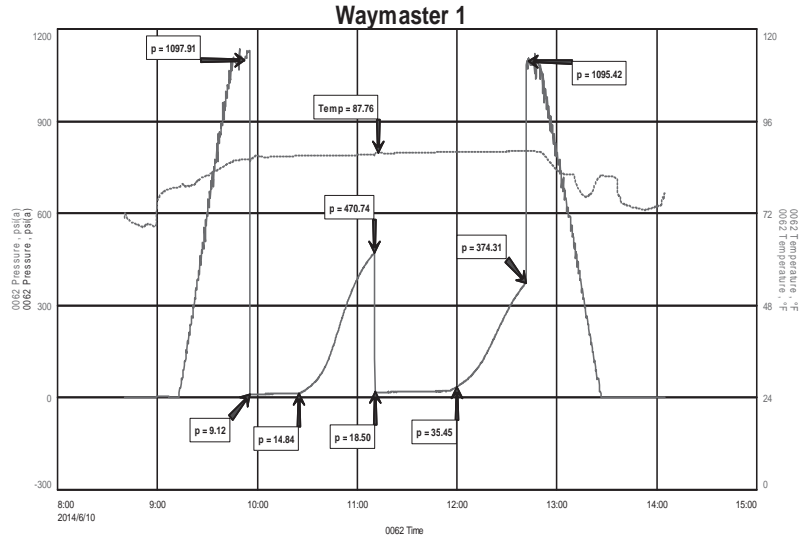
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Waymaster 1
Surface Location	Sec: 2-15s-13w
Field	Infield
Well Type	Vertical
Pool	infield
Test Purpose (AEUB)	Initial Test
Qualified By	Client Musgrove
Gauge Name	0062

Test Information

Job Number	RR044
Test Type	Drill Stem Test
Well Fluid Type	02 Gas
Formation	Dst 2 Willard (2390-2445)
Start Test Date	2014/06/10 YYYY/MM/DD
Start Test Time	08:40:00 HH:mm:ss
Final Test Date	2014/06/10 YYYY/MM/DD
Final Test Time	14:05:00 HH:mm:ss



Test Results

Recovery:

30' SLO+HM 2% O 98% M

Tool Sample: 4% O 96% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Waymaster 1 Dst 3

TIME ON: 14:28
TIME OFF: 20:26

Company RJM Company Lease & Well No. Waymaster 1
Contractor Southwind Rig 6 Charge to RJM Company
Elevation 1776 Surveyed Formation _____ Toronto Effective Pay _____ Ft. Ticket No. RR045
Date 06/11/2014 Sec. 2 Twp. _____ 15 S Range _____ 13 W County _____ Russell State KANSAS
Test Approved By Client Musgrove Diamond Representative RICKY RAY

Formation Test No. 3 Interval Tested from 2829 ft. to 2925 ft. Total Depth 2925 ft.
Packer Depth 2818 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2922 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2818 ft. Recorder Number _____ Cap. 0062 P.S.I. 5000
Bottom Recorder Depth (Outside) 2922 ft. Recorder Number _____ Cap. 11048 P.S.I. 5400
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 00 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 7.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 7000 P.P.M. Drill Pipe Length 2805 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number Na Test Tool Length 24 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 96A (32P) 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: 1/4 Blow Built to 1 1/2 inches in 30 mins **NOBB**
2nd Open: No Blow Built to 1/2 in 45 mins **NOBB**

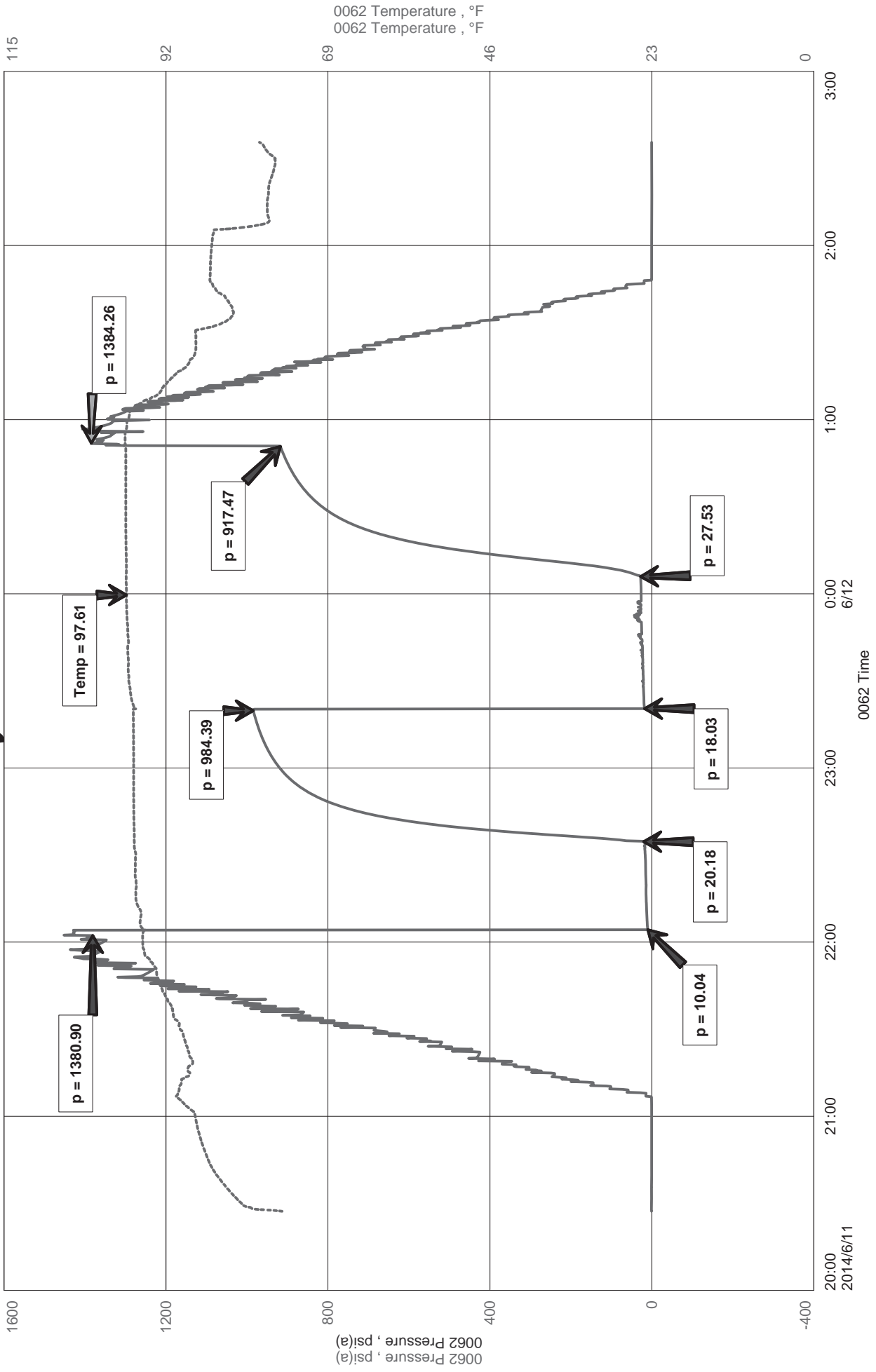
Recovered <u>32</u> ft. of <u>OS+HWM</u>	<u>30% W</u>	<u>70% M</u>	
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Recovered _____ ft. of _____			
Remarks: _____			
Tool Sample: <u>1% O</u>	<u>99% M</u>		

Time Set Packer(s) 3:52 PM A.M. P.M. Time Started Off Bottom 6:37 A.M. P.M. Maximum Temperature 98

Initial Hydrostatic Pressure..... (A) 1381 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 984 P.S.I.
Final Flow Period..... Minutes 45 (E) 18 P.S.I. to (F) 28 P.S.I.
Final Closed In Period..... Minutes 45 (G) 917 P.S.I.
Final Hydrostatic Pressure..... (H) 1384 P.S.I.

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Waymaster 1





Diamond Testing LLC
 P.O. Box 157
 Hoisington KS 67544

Ricky Ray - Tester
 (620) 617-7261

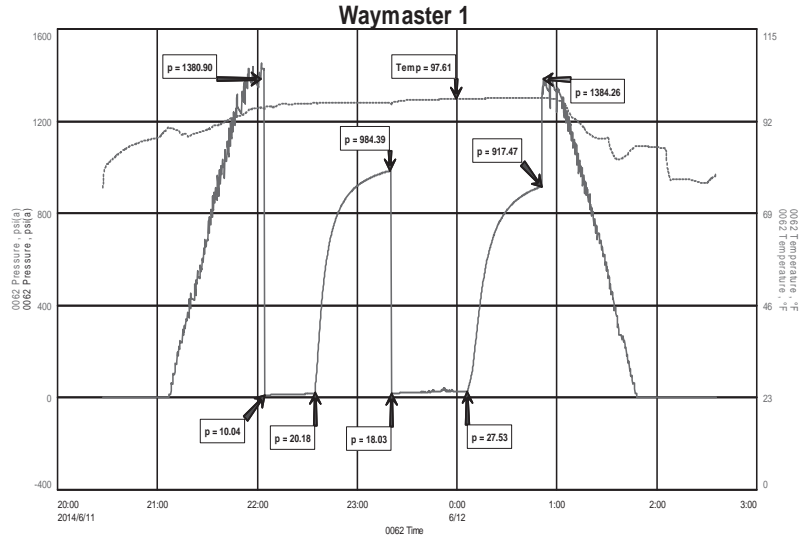
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Waymaster 1
Surface Location	Sec: 2-15s-13w
Field	Hali Gumey
Well Type	Vertical
Pool	infield
Test Purpose (AEUB)	Initial Test
Qualified By	Client Musgrove
Gauge Name	0062

Test Information

Job Number	RR045
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 3 Toronto (2829-2925)
Start Test Date	2014/06/11 YYYY/MM/DD
Start Test Time	14:28:00 HH:mm:ss
Final Test Date	2014/06/11 YYYY/MM/DD
Final Test Time	20:26:00 HH:mm:ss



Test Results

Recovery:

OS+HWM 30% W 70% M

Tool Sample: 1% O 99% M

RW: .29 @ 89 DEG
 Chlorides: 175,000 PPM
 PH: 8



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Waymaster 1 Dst 4

TIME ON: 10:45 Jun 12
TIME OFF: 04:47 Jun 13

Company RJM Company Lease & Well No. Waymaster 1
Contractor Southwind Rig 6 Charge to RJM Company
Elevation 1776 Surveyed Formation Simpson Effective Pay _____ Ft. Ticket No. RR046
Date 06/11/2014 Sec. 2 Twp. 15 S Range 13 W County Russell State KANSAS
Test Approved By Client Musgrove Diamond Representative RICKY RAY

Formation Test No. 4 Interval Tested from 2956 ft. to 3050 ft. Total Depth 3050 ft.
Packer Depth 2951 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 2956 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2945 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3047 ft. Recorder Number 11048 Cap. 5400 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 00 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 7000 P.P.M. Drill Pipe Length 2932 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number Na Test Tool Length 24 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 94A (30P) 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.

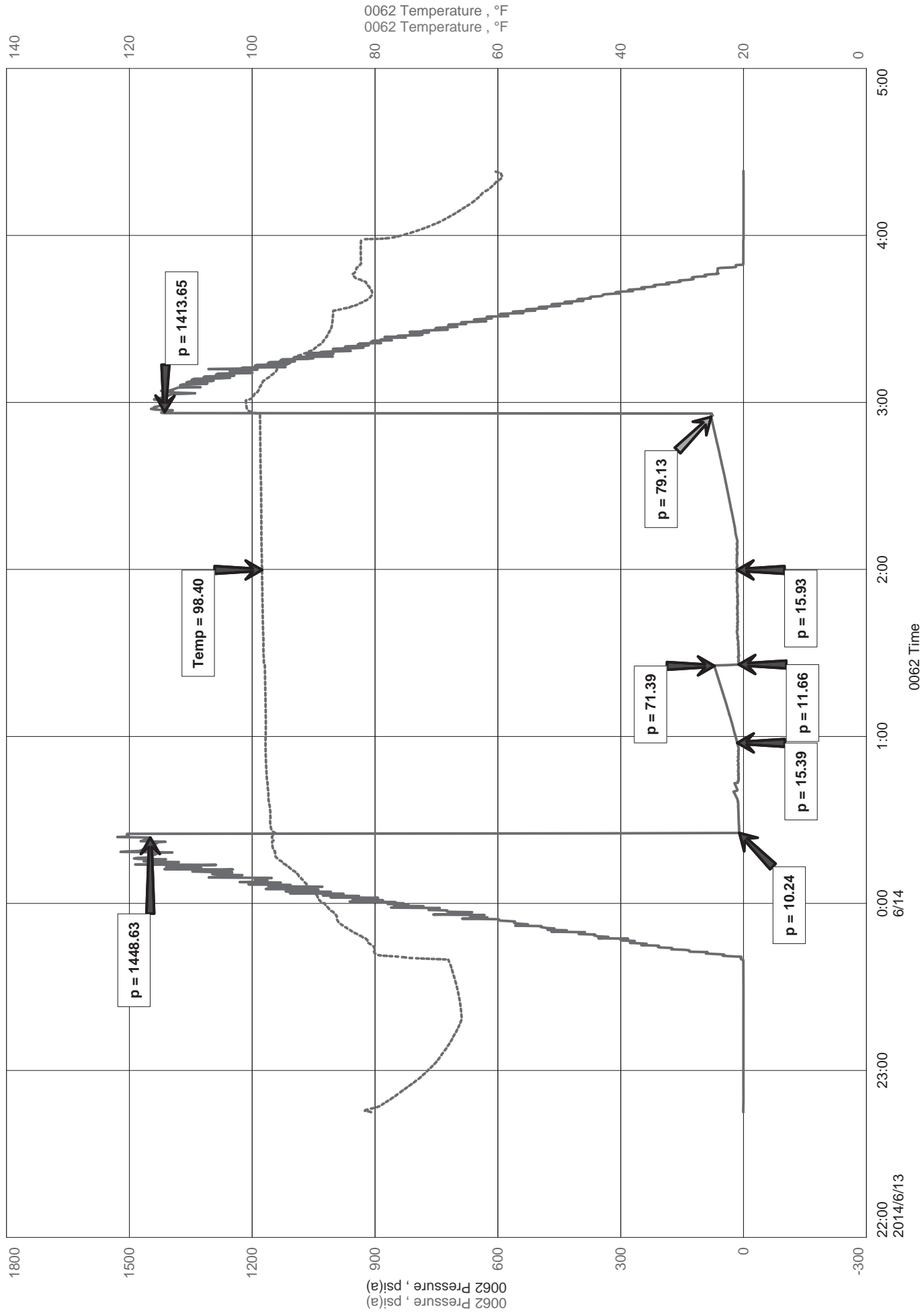
Blow: 1st Open: WSB Built to 1 inch in 30 mins NOBB
2nd Open: 1/4" Blow Built to 2 1/4 inches in 45 mins NOBB

Recovered <u>15</u> ft. of M <u>100% M</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
Tool Sample: <u>100 % M</u>	Total

Time Set Packer(s) 12:46 AM Jun 13 ^{A.M.}/_{P.M.} Time Started Off Bottom 3:16 Jun 13 AM ^{A.M.}/_{P.M.} Maximum Temperature 98

Initial Hydrostatic Pressure..... (A) 1449 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 71 P.S.I.
Final Flow Period..... Minutes 45 (E) 12 P.S.I. to (F) 16 P.S.I.
Final Closed In Period..... Minutes 45 (G) 80 P.S.I.
Final Hydrostatic Pressure..... (H) 1414 P.S.I.

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Diamond Testing LLC
 P.O. Box 157
 HoisingtonKS 67544

Ricky Ray - Tester
(620) 617-7261

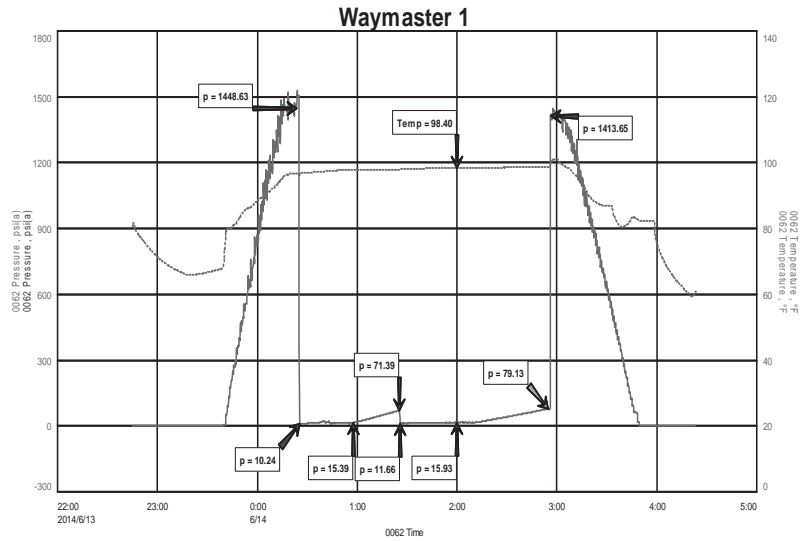
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Waymaster 1
Surface Location	Sec: 2-15s-12w (Russell County)
Field	Hali Gumey
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Client Musgrove
Gauge Name	0062

Test Information

Job Number	RR046
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 4 Simpson (2956-3050)
Start Test Date	2014/06/12 YYYY/MM/DD
Start Test Time	22:45:00 HH:mm:ss
Final Test Date	2014/06/13 YYYY/MM/DD
Final Test Time	04:47:00 HH:mm:ss



Test Results

Recovery:

15' M 100% M

Tool Sample: 100% M



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Waymaster 1 Dst 5

TIME ON: 02:27
TIME OFF: 08:56

Company RJM Company Lease & Well No. Waymaster 1
Contractor Southwind Rig 6 Charge to RJM Company
Elevation 1776 Surveyed Formation _____ Arb Effective Pay _____ Ft. Ticket No. RR047
Date 06/14/2014 Sec. 2 Twp. 15 S Range 13 W County Russell State KANSAS
Test Approved By Client Musgrove Diamond Representative RICKY RAY

Formation Test No. 5 Interval Tested from 3196 ft. to 3263 ft. Total Depth 3263 ft.
Packer Depth 3191 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3196 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3185 ft. Recorder Number 0062 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 3260 ft. Recorder Number 11048 Cap. 5400 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 48 Drill Collar Length 00 ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 7000 P.P.M. Drill Pipe Length 3172 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number Na Test Tool Length 24 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NA Reversed Out NA Anchor Length 67A (36.5P) 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: 3/4" Blow Built to 10 inches in 30 mins **NOBB**
2nd Open: No Blow Built to 10 1/2 inches in 45 mins **NOBB**

Recovered 5 ft. of M 100% M
Recovered 189 ft. of HMW 51% W 49% M
Recovered 194 ft. of Total Fluid

Recovered _____ ft. of _____	RW: <u>46 @ 78 Deg</u> Chlorides: <u>145,000 PPM</u> PH: <u>7</u>	Price Job
Recovered _____ ft. of _____		Other Charges
Recovered _____ ft. of _____		Insurance
Remarks: _____		Total

Tool Sample: 30% W 70% M

Time Set Packer(s) 4:06 AM A.M. P.M. Time Started Off Bottom 7:06 AM A.M. P.M. Maximum Temperature 103

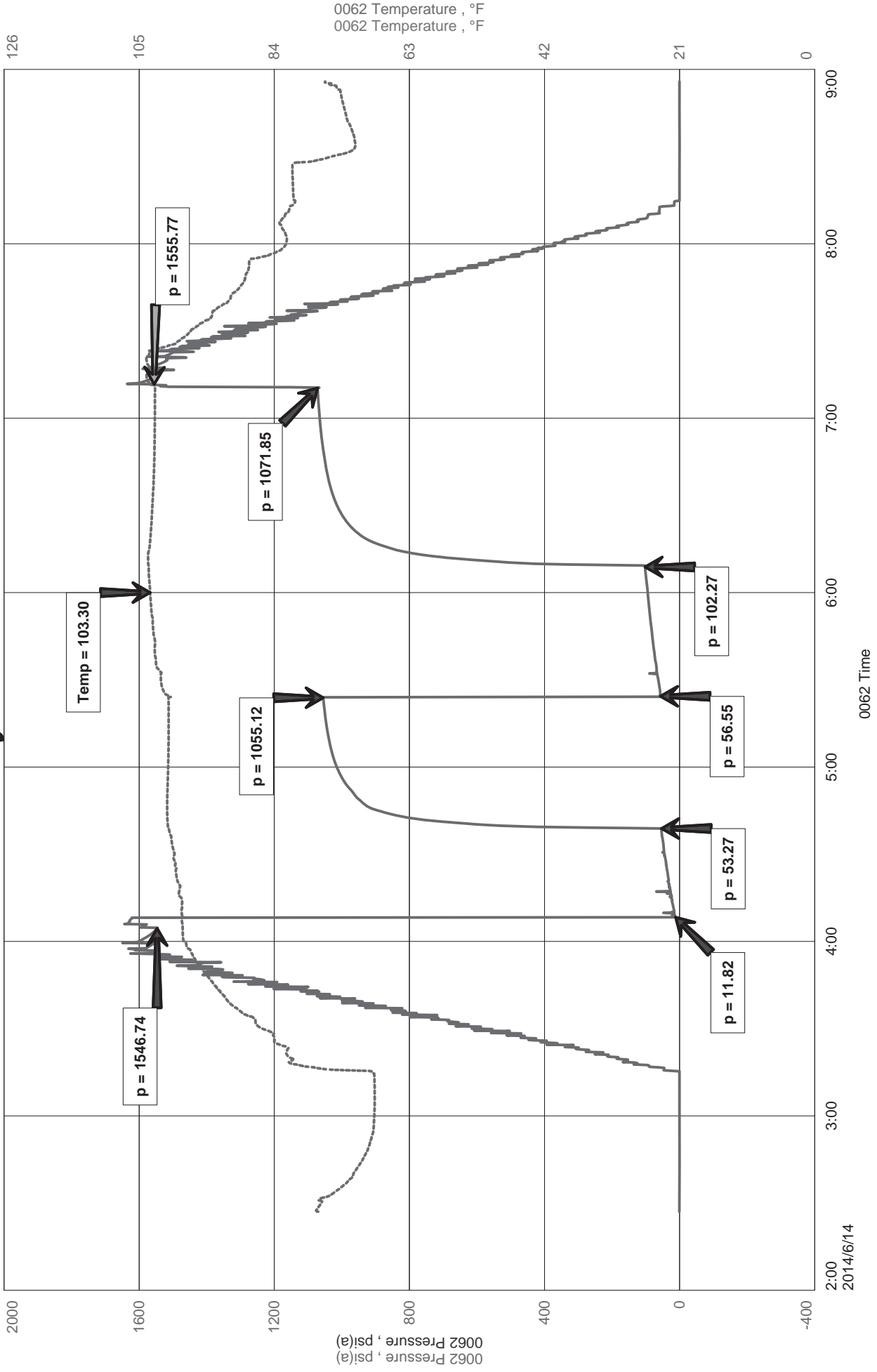
Initial Hydrostatic Pressure..... (A) 1547 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 53 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1055 P.S.I.
Final Flow Period..... Minutes 45 (E) 57 P.S.I. to (F) 102 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1072 P.S.I.
Final Hydrostatic Pressure..... (H) 1556 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 Company
Dst 5 Arbuckle (3196-3263)
Start Test Date: 2014/06/14
Final Test Date: 2014/06/14

Waymaster 1
Formation: Dst 5 Arbuckle (3196-3263)
Pool: Infield
Job Number: RR047

Waymaster 1





Diamond Testing LLC
 P.O. Box 157
 HoisingtonKS 67544

Ricky Ray - Tester
 (620) 617-7261

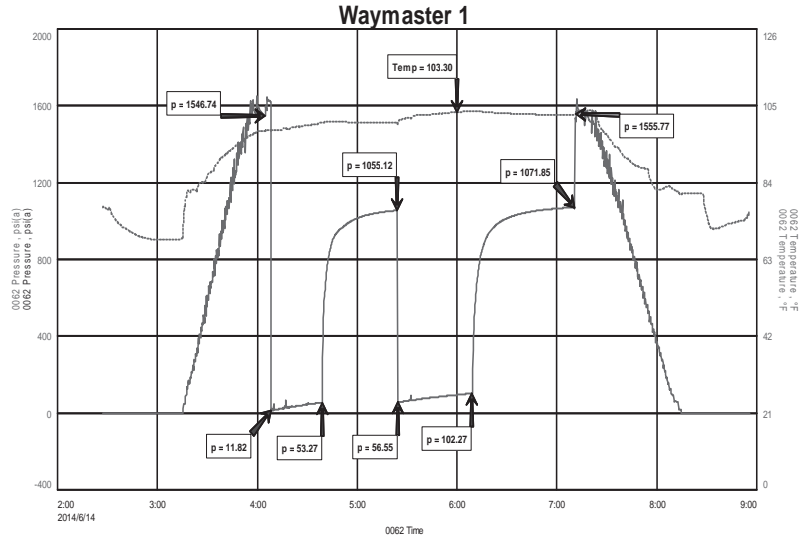
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Waymaster 1
Surface Location	Sec: 2-15s-12w (Russell County)
Field	Hali Gumey
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Wyatt Urban
Gauge Name	0062

Test Information

Job Number	RR047
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 5 Arbuckle (3196-3263)
Start Test Date	2014/06/14 YYYY/MM/DD
Start Test Time	02:27:00 HH:mm:ss
Final Test Date	2014/06/14 YYYY/MM/DD
Final Test Time	08:56:00 HH:mm:ss



Test Results

Recovery:

5'	M	100% M	
189'	HMW	51% W	49% M
194'	Total Fluid		

Tool Sample: 30% 70% M

RW: .46 @ 78 Deg
 Chlorides: 145,000 PPM
 PH: 7

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. 448

Date	6-7-14	Sec.	2	Twp.	15	Range	13	County	Russell	State	KS	On Location		Finish	9:30 AM
------	--------	------	---	------	----	-------	----	--------	---------	-------	----	-------------	--	--------	---------

Lease Waymaster Location Bunkerhill Sto DE

Well No. 1 Owner W to Curve Sto Lincoln RP

Contractor Southwind 6 To Quality Oilwell Cementing, Inc. 1 3/4 W Sinto
Type Job Surface 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 12 1/4 T.D. 348 Charge To RJM

Csg. 8 3/8 Depth Street

Tbg. Size Depth City State

Tool Depth The above was done to satisfaction and supervision of owner agent or contractor.

Cement Left in Csg. 20ft Shoe Joint 20ft Cement Amount Ordered 200 Com 370 cc

Meas Line Displace 20 BBL 2% gel

EQUIPMENT

Pumptrk	17	No.	Cementer	<u>None</u>	Common
			Helper		Poz. Mix
Bulktrk	15	No.	Driver	<u>Lonnie W</u>	Gel.
			Driver		Calcium
Bulktrk	14	No.	Driver	<u>Lonnie W</u>	
			Driver		

JOB SERVICES & REMARKS

Remarks: Halls
Rat Hole Salt
Mouse Hole Flowseal
Centralizers Kol-Seal
Baskets Mud CLR 48
D/V or Port Collar CFL-117 or CD110 CAF 38

Cement did circulate

Thank you

FLOAT EQUIPMENT

Guide Shoe
Centralizer
Baskets
AFU Inserts
Float Shoe
Latch Down

Pumptrk Charge
Mileage

Tax
Discount
Total Charge

X Signature [Signature]

GENERAL TERMS AND CONDITIONS

DEFINITIONS: In these terms and conditions, "Quality" shall mean Quality Oilwell Cementing, Inc., and "Customer" shall refer to the party identified by that term on the front of this contract. As applicable, "Job" relates to the services described on the front side of this contract, "merchandise" refers to the material described on the front of this contract and to any other materials, products, or supplies used, sold, or furnished under the requirements of this contract.

- **TERMS:** Unless satisfactory credit has been established, "CUSTOMER" must tender full cash payment to "QUALITY" before the job is undertaken or merchandise is delivered. If satisfactory credit has been established, the terms of payment for the job and/or merchandise, including bulk cement, are net cash, payable in 30 days from the completion of the job and/or delivery of the merchandise. For all past due invoices, "CUSTOMER" agrees to pay interest on amounts invoiced at a rate of 18 percent per annum until paid. Notwithstanding the foregoing in no event shall this Contract provide for interest exceeding the maximum rate of interest that "CUSTOMER" may agree to pay under applicable law. If any such interest should be provided for, it shall be and hereby is deemed to be a mistake, and this contract shall be automatically reformed to lower the rate of interest to the maximum legal contract rate, any amounts previously paid as excess interest shall be deducted from the amounts owing from the "CUSTOMER" or at the option of "QUALITY," refunded directly to "CUSTOMER." For purposes of this paragraph, QUALITY and CUSTOMER agree that KANSAS law shall apply. Any discounts granted with this contract are null and void if the charges are not paid when due.

- **ATTORNEY FEES:** In any legal action or proceeding between the parties to enforce any of the terms of this Service Contract, or in any way pertaining to the term of this Contract, the prevailing party shall be entitled to recover all expenses, including, but not limit to, a reasonable sum as and attorney's fees.

- **PRICES AND TAXES:** All merchandise listed in "QUALITY'S" current price shall schedule are F.O.B. QUALITY'S local station and are subject to change without notice. All prices are exclusive of any federal, state, local, or special taxes for the sale or use of the merchandise or services listed. The amount of taxes required to be paid by QUALITY shall be added to the quoted prices charged to CUSTOMER.

- **TOWING CHARGES:** QUALITY will make a reasonable attempt to get to and from each job site using its own equipment. Should QUALITY be unable to do so because of poor or inadequate road conditions, and should it become necessary to employ a tractor or other pulling equipment to get to or from the job site, the tractor or pulling equipment will be supplied by CUSTOMER or, if furnished by QUALITY, will be charged to and paid by CUSTOMER.

- **PREPARATION CHARGES:** If a job and/or merchandise is ordered and CUSTOMER cancels the order after preparation of a chemical solution or other material, CUSTOMER will pay QUALITY for the expenses incurred by QUALITY as a result of the cancellation.

- **DEADHAUL, CHARGES:** Unless otherwise specified on the front of this Contract, a deadhaul charges as set forth in QUALITY'S current price book will be charged each way for each service unit which is ordered by CUSTOMER but not used.

- **SERVICE CONDITIONS AND LIABILITIES:** 1. QUALITY carries public liability and property damage insurance, but since there are so many uncertain and unknown conditions beyond QUALITY'S control, QUALITY shall not be liable for injuries to property or persons or for loss or damage arising from the performance of the job or delivery of the merchandise. Customer shall be responsible for and indemnify, defend, and hold harmless QUALITY, its officers, agents and employees, from and against any and all claims or suits for:

(A) Damage to property or for bodily injury, sickness, disease, or death, brought by any person, including CUSTOMER and/or the well owner; and:

(B) Oil spills, pollution, surface or sub-surface damage, injury to the well, reservoir loss, or damage arising from a well blowout arising out of or in connection with QUALITY'S performance of the job or furnishing of merchandise in accordance with this contract, unless such loss or damage is caused by the willful misconduct or gross negligence of QUALITY or its employees.

2. With respect to any of QUALITY'S tools, equipment, or instruments which are lost in the well or damaged when performing or attempting to perform the job or, in the case of marine operations, are lost or damaged at any time after delivery to the landing for CUSTOMER and before return to QUALITY at the landing, CUSTOMER shall either recover the lost item without cost to QUALITY or reimburse QUALITY the current replacement cost of the item unless the loss or damage results from the sole negligence of QUALITY or its employees.

3. QUALITY does not assume any liability or responsibility for damages or conditions resulting from chemical action in cements caused by contamination of water or other fluids.

WARRANTIES: 1. QUALITY warrants all merchandise manufactured or furnished by it to be free from defects in material and workmanship under normal use and service when installed, and used, and/or serviced in the manner provided and intended. QUALITY'S obligation under this warranty is expressly limited to repair replacement, or allowance for credit, at its option, for any merchandise which is determined by QUALITY to be defective. THIS IS THE SOLE WARRANTY OF QUALITY AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESS OR OTHERWISE IMPLIED, IN FACT OR IN LAW, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, CUSTOMER'S sole and only remedy with regard to any defective merchandise shall be the repair or replacement thereof or allowance for credit as herein provided, and QUALITY shall not be liable for any consequential, special, incidental, or punitive damages resulting from or caused by defective materials, products or supplies.

2. More specifically:

(A) Nothing in this contract shall be constructed as a warranty by QUALITY of the success or the effectiveness of the result of any work done or merchandise used, sold, or furnished under this contract.

(B) Nothing in this contract shall be construed as a warranty of the accuracy or correctness of any facts, information, or data furnished by QUALITY or any interpretation of test, meter readings, chart information, analysis or research, or recommendations made by QUALITY, unless the inaccuracy or incorrectness is caused by the willful misconduct or gross negligence of QUALITY or its employees in the preparation or furnishing of such facts, information or data. (C) Work done by QUALITY shall be under the direct supervision and control of the CUSTOMER or his agent and QUALITY will accomplish the job as an independent contractor and not as an employee or agent of the CUSTOMER.

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. 181

Date	6-14-14	Sec.	2	Twp.	15	Range	13	County	Russell	State	KANSAS	On Location		Finish	4:00 PM
Location								BUNKER Hill KS. S. TO RVR.							
Lease	WAYMASTER				Well No.	#1				Owner	1/2 W 1/2 S 1 1/2 W 1/2 S.				
Contractor	SOUTHWIND DRILLING RIG #6				To Quality Oilwell Cementing, Inc.				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Type Job	ROTARY Plug.				Charge To	RJM Company									
Hole Size	7 7/8		T.D.	3263		Street									
Csg.	8 5/8 Surface		Depth	348		City	State								
Tbg. Size			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Tool			Depth			Cement Amount Ordered	200 SX ^{40'} 4% Gel								
Cement Left in Csg.			Shoe Joint			1/4 # Flo-Seal									
Meas Line			Displace												
EQUIPMENT						Common									
Pumptrk	18	No.	Cementer	Glenn G.		Poz. Mix									
			Helper	Sody B.											
Bulktrk	13	No.	Driver	Clayton B.		Gel.									
			Driver												
Bulktrk		No.	Driver			Calcium									
			Driver												
JOB SERVICES & REMARKS						Hulls									
Remarks:						Salt									
Rat Hole						Flowseal									
Mouse Hole						Kol-Seal									
Centralizers						Mud CLR 48									
Baskets						CFL-117 or CD110 CAF 38									
D/V or Port Collar						Sand									
						Handling									
						Mileage									
50 SX @ 3224						FLOAT EQUIPMENT									
50 SX @ 744						Guide Shoe 8 5/8 WOODEN Plug									
60 SX @ 403						Centralizer									
10 SX @ 40' + Plug						Baskets									
30 SX @ Rat Hole						AFU Inserts									
						Float Shoe									
						Latch Down									
						Pumptrk Charge									
						Mileage									
						Tax									
						Discount									
						Total Charge									
X Signature	[Signature]														

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