

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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DIAMOND TESTING
 P.O. Box 157
HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 12:57
 TIME OFF: 19:33

DRILL-STEM TEST TICKET
 FILE: Anna Hitschmann # 1 Dst 1

Company RJM Company Lease & Well No. Anna Hitschmann # 1
 Contractor Southwind Drilling Rig 3 Charge to RJM Company
 Elevation 1878 Sur Formation _____ Lans A-F Effective Pay _____ Ft. Ticket No. RR264
 Date Feb-19-2017 Sec. 1 Twp. _____ 17 S Range _____ 12 W County _____ Barton State KANSAS
 Test Approved By Wyatt Urban Diamond Representative _____ Ricky Ray

Formation Test No. 1 Interval Tested from 3065 ft. to 3156 ft. Total Depth 3156 ft.
 Packer Depth 3060 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3065 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3055 ft. Recorder Number _____ 0062 Cap. _____ 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3132 ft. Recorder Number _____ 8471 Cap. _____ 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 57 Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 4000 P.P.M. Drill Pipe Length 3040 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number na Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? na Reversed Out na Anchor Length 91A (29P) 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: 1/2" Blow (Built to 8 1/4 inch in 45 mins) NOBB
2nd Open: 1/4" Blow (Built to 4 1/4 inch in 45 mins) NOBB

Recovered 134 ft. of WM 25% W 75% M
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____ PH: 7
 Recovered _____ ft. of _____ Chlorides: 65,000 PPM
 Recovered _____ ft. of _____ RW: .15 @ 55 Deg
 Recovered _____ ft. of _____
 Remarks: Tool Sample: 100% W

	Price Job
	Other Charges
	Insurance
	Total

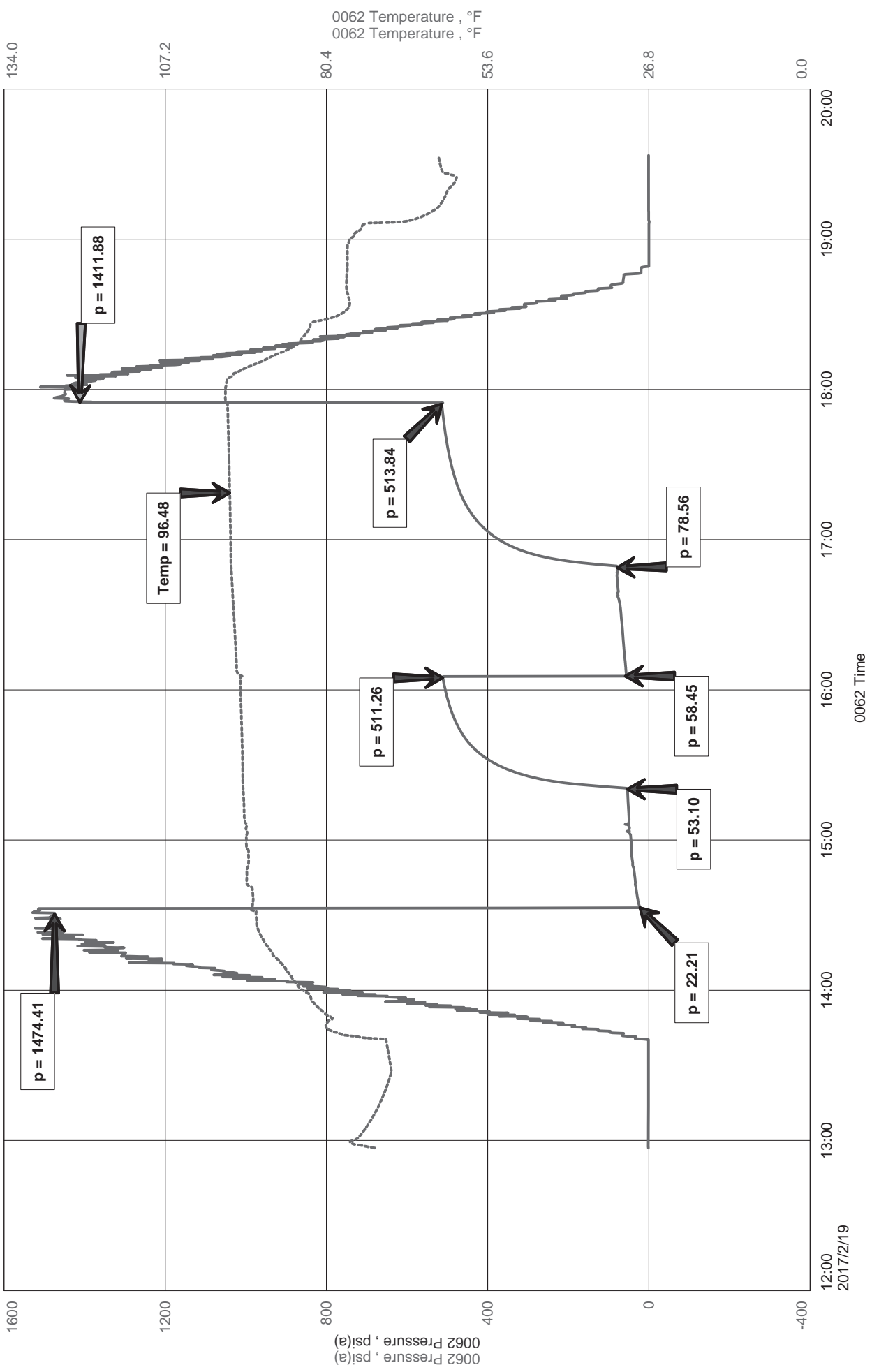
Time Set Packer(s) 2:33 PM A.M. P.M. Time Started Off Bottom 5:48 PM A.M. P.M. Maximum Temperature 96
 Initial Hydrostatic Pressure..... (A) 1474 P.S.I.
 Initial Flow Period..... Minutes 45 (B) 22 P.S.I. to (C) 53 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 511 P.S.I.
 Final Flow Period..... Minutes 45 (E) 58 P.S.I. to (F) 79 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 514 P.S.I.
 Final Hydrostatic Pressure..... (H) 1412 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 1 Lans "A-F" (3065-3156)
 Start Test Date: 2017/02/19
 Final Test Date: 2017/02/19

Anna Hitschmann # 1
 Formation: Dst 1 Lans "A-F" (3065-3156)
 Pool: Infield
 Job Number: RR264

Anna Hitschmann # 1





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

Ricky Ray - Tester
 (620) 617-7261

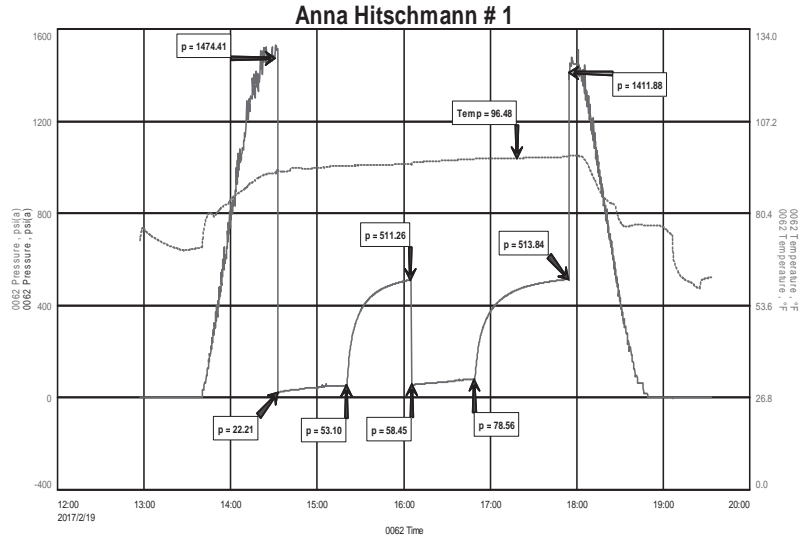
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Anna Hitschmann # 1
Surface Location	Sec: 1-17s-12w (Barton County)
Field	Unknown
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	
Gauge Name	0062

Test Information

Job Number	RR264
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lans "A-F" (3065-3156)
Start Test Date	2017/02/19 YYYY/MM/DD
Start Test Time	12:57:00 HH:mm:ss
Final Test Date	2017/02/19 YYYY/MM/DD
Final Test Time	19:33:00 HH:mm:ss



Test Results

Recovery:

134' WM 25% W 75% M

Tool Sample: 100% W

PH: 7
 Chlorides: 65,000 PPM
 RW: .15 @ 55 Deg



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

TIME ON: 08:59
 TIME OFF: 13:54

DRILL-STEM TEST TICKET
 FILE: Anna Hitschmann # 1 Dst 2

Company RJM Company Lease & Well No. Anna Hitschmann # 1
 Contractor Southwind Drilling Rig 3 Charge to RJM Company
 Elevation 1878 Sur Formation Lower Lans Effective Pay _____ Ft. Ticket No. RR265
 Date Feb-20-2017 Sec. 1 Twp. _____ 17 S Range _____ 12 W County _____ Barton State KANSAS
 Test Approved By Wyatt Urban Diamond Representative _____ Ricky Ray

Formation Test No. 2 Interval Tested from 3321 ft. to 3319 ft. Total Depth _____ 3319 ft.
 Packer Depth _____ 3216 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth _____ 3221 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 3211 ft. Recorder Number _____ 0062 Cap. _____ 5000 P.S.I.
 Bottom Recorder Depth (Outside) _____ 3288 ft. Recorder Number _____ 8471 Cap. _____ 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 46 Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides _____ 5000 P.P.M. Drill Pipe Length _____ 3196 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number na Test Tool Length _____ 25 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? na Reversed Out na Anchor Length _____ 98A (36P) 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 (Blow Didn't Build) NOBB
2nd Open: No Blow (Flush Tool 10 mins in Good Flush No Blow) NOBB

Recovered 10 ft. of M 100% M
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

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

Time Set Packer(s) 10:47 AM A.M. P.M. Time Started Off Bottom 12:47 PM A.M. P.M. Maximum Temperature 98

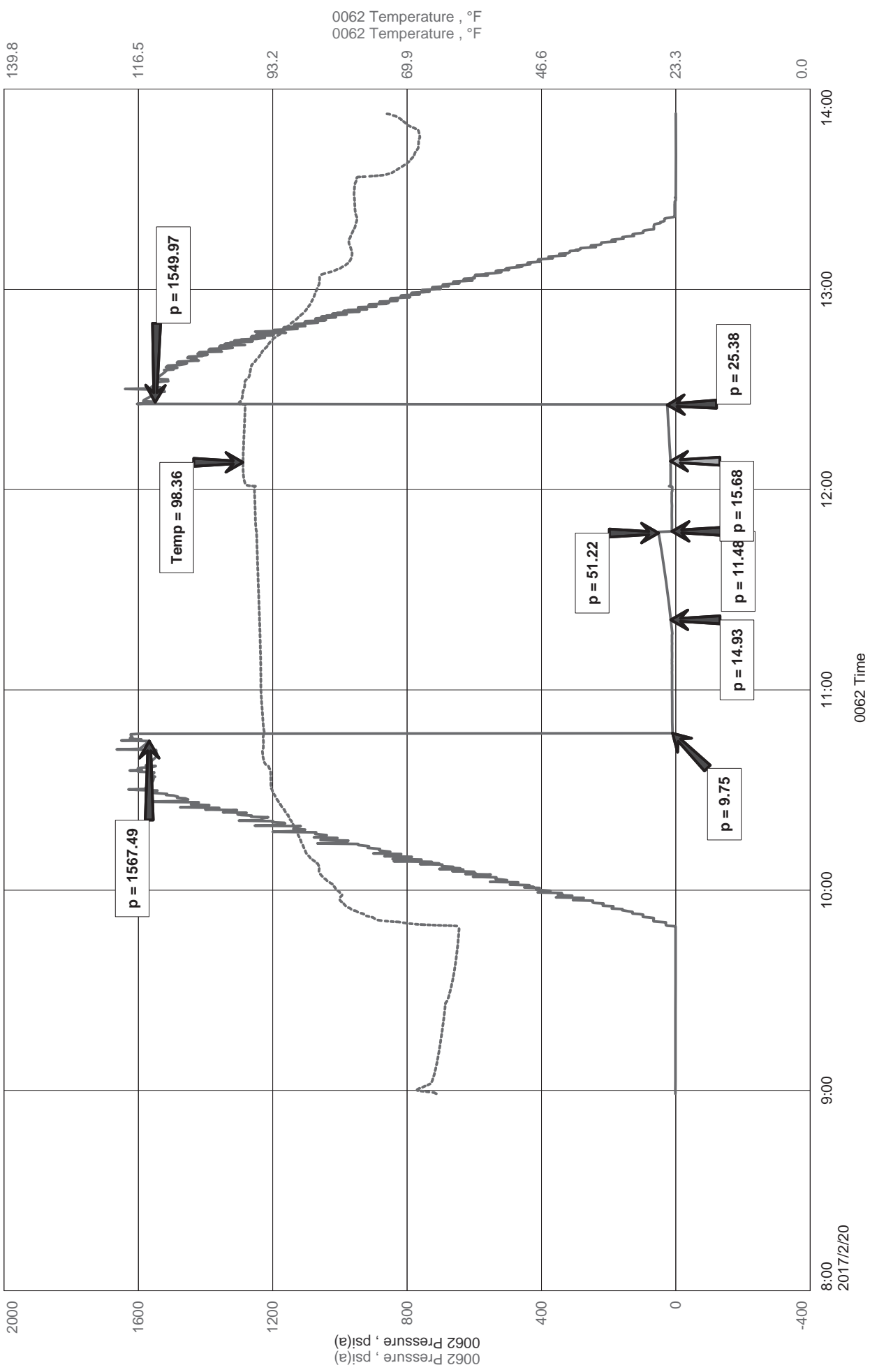
Initial Hydrostatic Pressure..... (A) _____ 1567 P.S.I.
 Initial Flow Period..... Minutes 30 (B) _____ 10 P.S.I. to (C) _____ 15 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) _____ 51 P.S.I.
 Final Flow Period..... Minutes 15 (E) _____ 11 P.S.I. to (F) _____ 16 P.S.I.
 Final Closed In Period..... Minutes 15 (G) _____ 25 P.S.I.
 Final Hydrostatic Pressure..... (H) _____ 1550 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 2 Lower Lans (3221-3319)
Start Test Date: 2017/02/20
Final Test Date: 2017/02/20

Anna Hitschmann 1
Formation: Dst 2 Lower Lans (3221-3319)
Pool: Infield
Job Number: RR265

Anna Hitschmann 1





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

Ricky Ray - Tester
(620) 617-7261

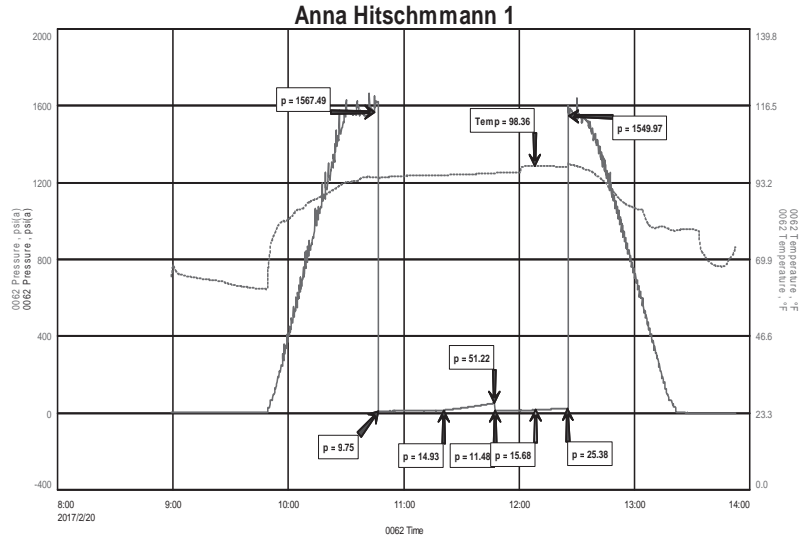
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Anna Hitschmann 1
Surface Location	Sec: 1-17s-12w (Barton County)
Field	Unknow
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	
Gauge Name	0062

Test Information

Job Number	RR265
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 Lower Lans (3221-3319)
Start Test Date	2017/02/20 YYYY/MM/DD
Start Test Time	08:59:00 HH:mm:ss
Final Test Date	2017/02/20 YYYY/MM/DD
Final Test Time	13:54:00 HH:mm:ss



Test Results

Recovery:

10' M 100% M

Tool Sample: 100% M With Few Oil Specs



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

TIME ON: 21:16 Feb 21
 TIME OFF: 04:03 Feb 22

DRILL-STEM TEST TICKET
 FILE: Anna Hitschmann # 1 Dst 3

Company RJM Company Lease & Well No. Anna Hitschmann # 1
 Contractor Southwind Drilling Rig 3 Charge to RJM Company
 Elevation 1878 Sur Formation Arbuckles Effective Pay _____ Ft. Ticket No. RR266
 Date Feb-21-2017 Sec. 1 Twp. 17 S Range 12 W County Barton State KANSAS
 Test Approved By Wyatt Urban Diamond Representative Ricky Ray

Formation Test No. 3 Interval Tested from 3304 ft. to 3350 ft. Total Depth 3350 ft.
 Packer Depth 3299 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3304 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3299 ft. Recorder Number 0062 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3340 ft. Recorder Number 8471 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 46 Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 5000 P.P.M. Drill Pipe Length 3279 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number na Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? na Reversed Out na Anchor Length 46A (15P) ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" Blow (Built to 8 inches in 45 mins) NOBB
2nd Open: 1/4" Blow (Built to 7 1/2 inches in 60 mins) NOBB

Recovered 31 ft. of O 100% O 30 Gravity @ 60 Degs
 Recovered 124 ft. of WOM 17% O 5% W 78% M
 Recovered 155 ft. of Total Fluid

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>Tool Sample: 20% O 5% w 75% M</u>	Total

Time Set Packer(s) 10:42 PM Feb 21 ^{A.M.}/_{P.M.} Time Started Off Bottom 2:27 AM Feb 22 ^{A.M.}/_{P.M.} Maximum Temperature 100

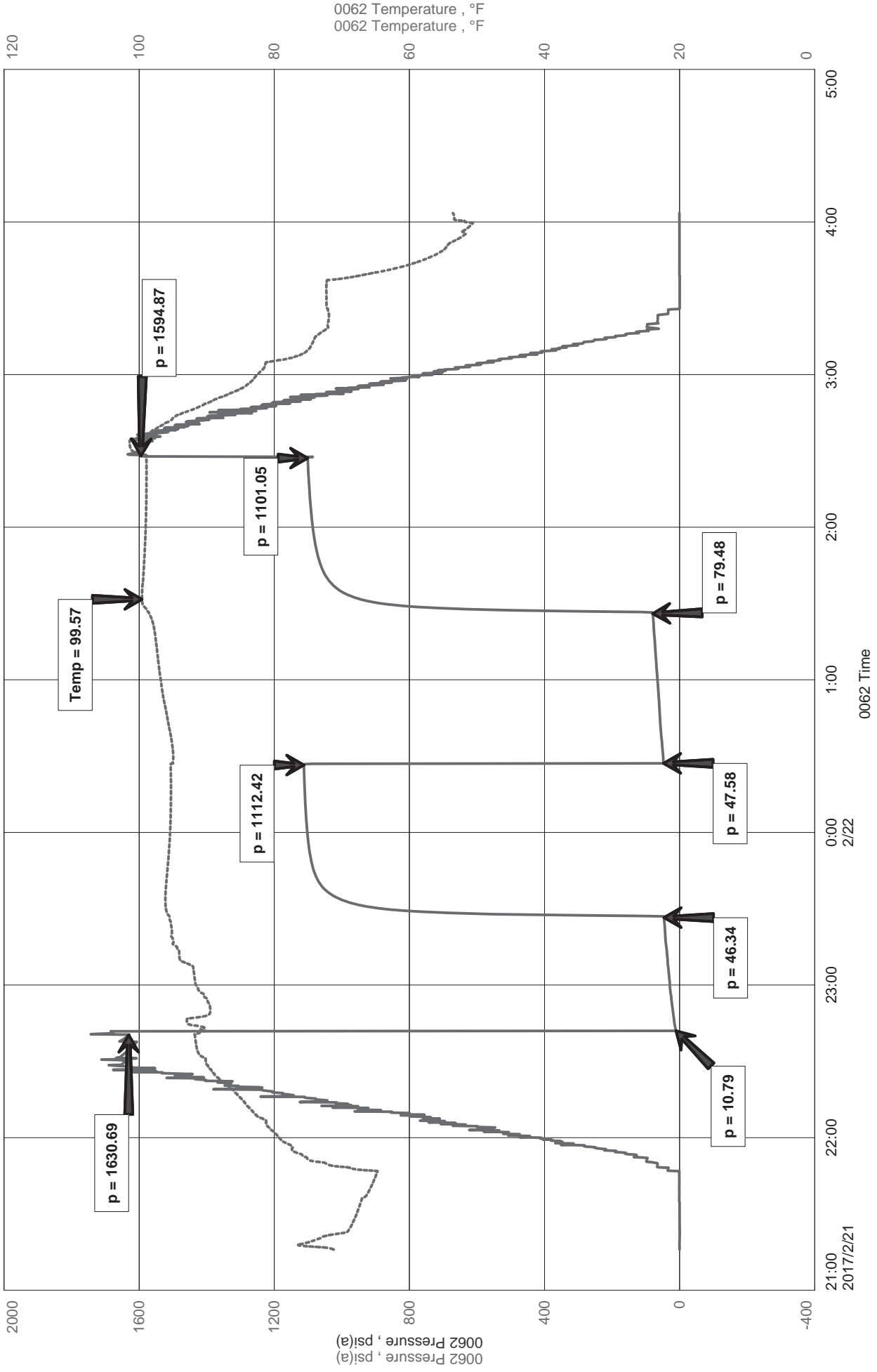
Initial Hydrostatic Pressure..... (A) 1631 P.S.I.
 Initial Flow Period..... Minutes 45 (B) 11 P.S.I. to (C) 46 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1112 P.S.I.
 Final Flow Period..... Minutes 60 (E) 48 P.S.I. to (F) 79 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1101 P.S.I.
 Final Hydrostatic Pressure..... (H) 1595 P.S.I.

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RJM Company
Dst 3 Arbuckle (3304-3350)
Start Test Date: 2017/02/21
Final Test Date: 2017/02/22

Anna Hitschmann # 1
Formation: Dst 3 Arbuckle (3304-3350)
Pool: Infield
Job Number: RR266

Anna Hitschmann # 1





Diamond Testing LLC
P.O. Box 157
HoisingtonKS 67544

Ricky Ray - Tester
(620) 617-7261

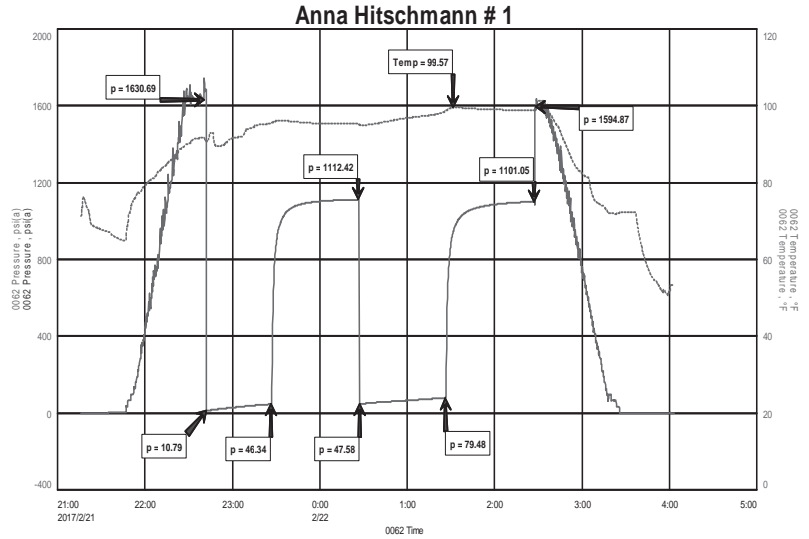
Wellsite Report

General Information

Company Name	RJM Company
Contact	Chris Hoffman
Well Operator	RJM Company
Well Name	Anna Hitschmann # 1
Surface Location	Sec: 1-17s-12w (Barton County)
Field	Unknown
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	
Gauge Name	0062

Test Information

Job Number	RR266
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 3 Arbuckle (3304-3350)
Start Test Date	2017/02/21 YYYY/MM/DD
Start Test Time	21:16:00 HH:mm:ss
Final Test Date	2017/02/22 YYYY/MM/DD
Final Test Time	04:03:00 HH:mm:ss



Test Results

Recovery:

31'	O	100% O	30 Gravity 60 Degs
124'	WOM	17% O	5% W 78% M
155'	Total Fluid		

Tool Sample: 20% O 5% W 75% M

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. 3148

Date	2-22-17	Sec.	1	Twp.	17	Range	12	County	Barton	State	Ks	On Location		Finish	1:30 PM
------	---------	------	---	------	----	-------	----	--------	--------	-------	----	-------------	--	--------	---------

Lease Anna Hirschmann
Location Beaver - 3E, 21/4S, E1S

Well No.	1	Owner	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.
Contractor	Southwind 3	Charge To	RSM Company
Type Job	Longstring	Street	
Hole Size	7 7/8"	City	
Csg.	5 1/2" New 15' 6"	State	
Tbg. Size		The above was done to satisfaction and supervision of owner agent or contractor.	
Tool		Cement Amount Ordered 180 Com 10% Salt 5% Gilsomit	
Cement Left in Csg.	9.72'	Shoe Joint	9.72'
Meas Line	Displace 79 1/4 BLS		

EQUIPMENT

Pumptrk	20	No.	Cementer	Travis	Common	180
			Helper		Poz. Mix	
Bulktrk	14	No.	Driver	Dave	Gel.	
			Driver	Rick	Calcium	
Bulktrk	p.u.	No.	Driver		Hulls	

JOB SERVICES & REMARKS

Remarks:		Salt	15
Rat Hole	305x	Flowseal	
Mouse Hole		Kol-Seal	800#
Centralizers	1-9	Mud CLR 48	500 gal
Baskets	2-5	CFL-117 or CD110 CAF 38	
D/V or Port Collar	pipe on bottom break	Sand	
Circulation pump	500 gal mud clear	Handling	203
48 plug bathole	w/ 305x Cement	Mileage	

FLOAT EQUIPMENT

5 1/2" Casing + mix	150 x. Shut down wash pump + lines Released plug + Displaced w/ 79 1/4 BLS. Released + held	Guide Shoe	
Left pressure	600 #	Centralizer	9
Land plug to	1500 #	Baskets	2
		AFU Inserts	
		Float Shoe	1
		Latch Down	1

Rotating head
Pumptrk Charge prod string
Mileage 30

X Signature Jay Brown

Tax
Discount
Total Charge

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 construed 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. 3144

Date	2-16-17	Sec.	1	Twp.	17	Range	12	County	Barton	State	Ks	On Location		Finish	8:30 PM
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Lease Anna Hirschmann Well No. 1 Location Beaver 3E 245 E15 Owner

Contractor Southwind 3 To Quality Oilwell Cementing, Inc.
Type Job Surface You are hereby requested to rent cementing equipment and furnish
Hole Size 12 1/4" T.D. 347' Charge To RJM Company
Csg. 8 5/8" Depth 347' 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. 20' Shoe Joint 20' Cement Amount Ordered 180 80/20 3+2
Meas Line _____ Displace 20 3/4 BLS

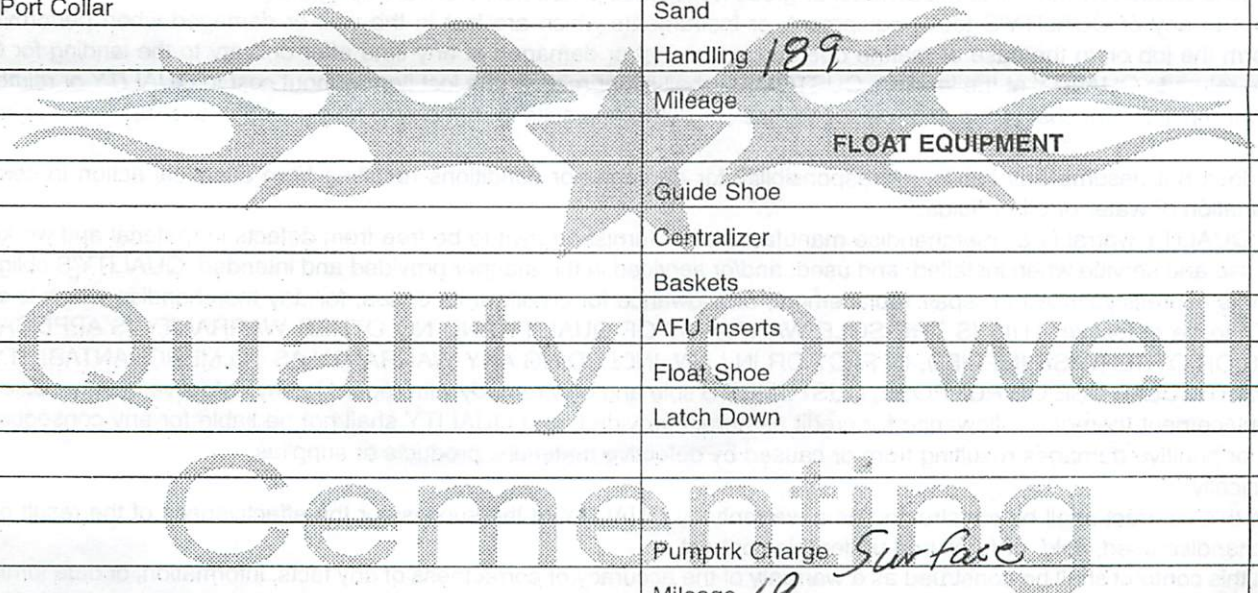
EQUIPMENT				Common
Pumptrk	<u>18</u>	No.	Cementer <u>Rick</u>	<u>145</u>
			Helper	
Bulktrk	<u>3</u>	No.	Driver <u>Tim</u>	Poz. Mix <u>35</u>
			Driver	
Bulktrk		No.	Driver	Gel. <u>3</u>
			Driver	Calcium <u>6</u>

JOB SERVICES & REMARKS		Hulls
Remarks:	<u>Cement did Circulate</u>	
Rat Hole		Salt
Mouse Hole		Flowseal
Centralizers		Kol-Seal
Baskets		Mud CLR 48
D/V or Port Collar		CFL-117 or CD110 CAF 38
		Sand
		Handling <u>189</u>
		Mileage

FLOAT EQUIPMENT	
	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge <u>Surface</u>
	Mileage <u>19</u>

	Tax
	Discount
	Total Charge

X Signature Jay Arnes



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.

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2. More specifically:

(A) Nothing in this contract shall be construed 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.