

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303)-894-2100 Fax: (303)-894-2109



FOR OGCC USE ONLY

MECHANICAL INTEGRITY TEST

Fill out Part II of this form if well tested is a permitted or pending injection well. Send original plus one copy.

1. Duration of the pressure test must be a minimum of 15 minutes.
2. A pressure chart must accompany this report if this test was not witnessed by a OGCC representative.
3. For production wells, test pressures must be at a minimum of 300 psig.
4. Injection well tests must be witnessed by an OGCC representative.
5. New injection wells must be tested to maximum requested injection pressure.
6. For injection wells, test pressures must be at least 300 psig or average injection pressure, whichever is greater.
7. A minimum 300 psi differential pressure must be maintained between the tubing and tubing/casing annulus pressure.
8. Do not use this form if submitting under provisions of Rule 326.a.(1) B. or C.
9. OGCC notification must be provided 10 days prior to the test via Form 42.
10. Packers or bridge plugs, etc., must be set within 100 feet of the perforated interval to be considered a valid test.

Complete the
Attachment Checklist

OGCC Operator Number: 46290		Contact Name and Telephone	
Name of Operator: K.P. Kauffman Co INC		Susana Lara-Mesa	
Address: 1675 Broadway, Suite 2800		No: (303) 825-4822	
City: Denver State: CO Zip: 80202		Email: slaramesa@kpk.com	
API Number: # 05-005-06698		Field Name: Pronghorn	
Well Name: STATE		Field Number: # 70650	
Location (QtrQtr, Sec, Twp, Rng, Meridian): SWNE 16 5S 62W 61		Number: # 32-16	

	Oper	OGCC
Pressure Chart		
Cement Bond Log		
Tracer Survey		
Temperature Survey		
Other Report 1		
Other Report 2		

☐ SHUT-IN PRODUCTION WELL ☒ INJECTION WELL

Facility No.:

Part I. Pressure Test

- ☒ 5-Year UIC Test ☒ Test to Maintain SI/TA Status ☐ Reset Packer
☐ Verification of Repairs ☐ Tubing/Packer Leak ☒ Casing Leak ☐ Other (Describe):

Describe Repairs:

NA - Not Applicable	Wellbore Data at Time of Test		Casing Test <input type="checkbox"/> NA
Injection/Producing Zone(s)	Perforated Interval: <input type="checkbox"/> NA	Open Hole Interval: <input checked="" type="checkbox"/> NA	Use when perforations or open hole is isolated by bridge plug or cement plug
J-SAND	7435'-7484'		Bridge Plug or Cement Plug Depth
			CIBP @ 7350' 2sks cement

Tubing Casing/Annulus Test <input type="checkbox"/> NA			
Tubing Size: 2 3/8	Tubing Depth: 0'	Top Packer Depth:	Multiple Packers? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Test Data					
Test Date 6/12/15	Well Status During Test shut in.	Date of Last Approved MIT	Casing Pressure Before Test 0	Initial Tubing Pressure 0	Final Tubing Pressure 0
Starting Casing Test Pressure 445	Casing Pressure - 5 Min. 445	Casing Pressure - 10 Min. 440	Final Casing Pressure 440	Pressure Loss or Gain During Test 5	
Test Witnessed by State Representative? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			OGCC Field Representative (Print Name): Susan Sherman		

Part II. Wellbore Channel Test

Complete only if well is or will be an injection well.

Indicate method used for cement integrity test, attach appropriate records, charts, or logs unless previously submitted.

<input type="checkbox"/> Tracer Survey	<input checked="" type="checkbox"/> CBL or Equivalent	<input type="checkbox"/> Temperature Survey
Run Date:	Run Date: 10/16/1987	Run Date:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name:

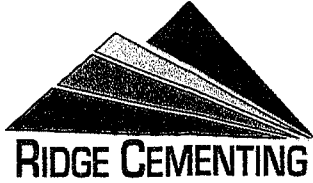
Signed: Rich Rasmussen Title: Workover Supervisor Date: 05/29/2015

OGCC Approval: Susan Sherman Title: Field Inspector Date: 6/12/2015

Conditions of Approval, if any:

Form 42# 400851890
Insp# 673710626

SALES ORDER # C5CO3110

**CUSTOMER:**

K.P. Kauffman
1675 Broadway, Ste 2800
Denver, CO 80202

Remit to: 3883 Airway Drive, Suite 340
Santa Rosa, CA 95403
530.476.3333 phone 530.476.3347 fax

Ship To

Well Name: State 32-16
Location: Arapahoe County, Colorado
City/Zip: Strasburg 80136
API #: 05-005-06698
Legal: Sec. 16 T5S R62W

Order Type: Cementing Services
Well Name: State 32-16
Company Code: NA
Customer PO No.: NA
Shipping Point: Arapahoe County, Colorado
Well Type: oil
Well Category: Remediation
Payment Terms: Net 30 Days

Sales Order Date: June 1, 2015

Version # 1

Mtrl Nbr	Tax	Description	Qty	UOM	Unit Price	Gross Amt	Discount	Net Amt
		Pumping Charge						
		Pump Charge to 3,000' - 4,000' ft, first 4 hrs	1	EA	4250.00	4250.00	2125.00	2125.00
		Cementing Equipment Additional Hours *	1	HR	1050.00	1050.00	210.00	840.00
		Ridge Cementing Setup	1	EA	2240.00	2240.00	662.50	1577.50
		Ridge Cementing Mileage	1	Unit	3178.00	3178.00	1500.00	1678.00
		Ridge Cementing Delivery	1	Unit	3804.10	3804.10	1814.90	1989.20
		Cement/Flushes/Spacers						
		Premium G	50	SK	31.25	1562.50	781.25	781.25
		RXFlush I	0	BBL	65.00	0.00	0.00	0.00
		Sugar	0	LB	1.00	0.00	0.00	0.00
		RidgeTHIX	118	SK	52.51	6196.18	3098.09	3098.09
Base Estimate Net Total						22,280.78	10,191.74	12,089.04

Thank you very much.
Ridge Cementing, Inc.

Customer Representative Signature

Print Name

Date



JOB LOG

NOBRYAL

06/02/15

CUSTOMER

K.P. Kauffman

CUSTOMER REP.

Rick Ramos

TICKET AMOUNT

\$12,089.04

SUPERVISOR

Cory Thaut

WEBSITE

Oil

STATE

Colorado

COUNTY

Arapahoe

CITY

Strasbourg

WELL NAME AND NUMBER

State 32-16

~~SEC/TWN/RNG~~

SEC 16 / T 5S / R 62W

API #	API Name	API Type	API Status	API Version	API Description	API URL	API Contact	API License	API Notes
1	API 1	API Type 1	API Status 1	API Version 1	API Description 1	API URL 1	API Contact 1	API License 1	API Notes 1
2	API 2	API Type 2	API Status 2	API Version 2	API Description 2	API URL 2	API Contact 2	API License 2	API Notes 2
3	API 3	API Type 3	API Status 3	API Version 3	API Description 3	API URL 3	API Contact 3	API License 3	API Notes 3
4	API 4	API Type 4	API Status 4	API Version 4	API Description 4	API URL 4	API Contact 4	API License 4	API Notes 4
5	API 5	API Type 5	API Status 5	API Version 5	API Description 5	API URL 5	API Contact 5	API License 5	API Notes 5
6	API 6	API Type 6	API Status 6	API Version 6	API Description 6	API URL 6	API Contact 6	API License 6	API Notes 6
7	API 7	API Type 7	API Status 7	API Version 7	API Description 7	API URL 7	API Contact 7	API License 7	API Notes 7
8	API 8	API Type 8	API Status 8	API Version 8	API Description 8	API URL 8	API Contact 8	API License 8	API Notes 8
9	API 9	API Type 9	API Status 9	API Version 9	API Description 9	API URL 9	API Contact 9	API License 9	API Notes 9
10	API 10	API Type 10	API Status 10	API Version 10	API Description 10	API URL 10	API Contact 10	API License 10	API Notes 10

05-005-06698

SALES ORDER NUMBER

C5C03110

[illegible]

**JOB SUMMARY**

JOB DATE	06/02/15
SUPERVISOR	Cory Thaut
CITY	Strasburg
SALES ORDER NUMBER	C5CO3110

CUSTOMER K.P. Kauffman	CUSTOMER REP. Rick Ramos	TICKET AMOUNT \$12,089.04
WELL TYPE Oil	STATE Colorado	COUNTY Arapahoe
WELL NAME AND NUMBER State 32-16	SEC / TWN / RNG SEC 16 / T 5S / R 62W	API # 05-005-06698

EMP NAME	EXP. HOUR	EQUIPMENT	R/T MILES	EMP NAME	EXP. HOUR	EQUIPMENT	R/T MILES
Cory Thaut		6318					
Cody Burgess		6100/6208					
Thaddeus Harra		6105/6201					

DATE	CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED	LEAVE LOCATION
TIME	6/2/2015 5:00 AM	6/2/2015 8:05 AM	6/2/2015 11:00 AM	6/2/2015 3:24 PM	6/2/2015 4:30 PM

WELL TUBULAR DATA						TOOLS / PERFS / TOC		
TUBULAR NAME	NEW/USED	WEIGHT	SIZE	FROM	TO	NAME	QTY	MAKE / DIAM. / DEPTH
Production Csg	USED	11.6 lb	4 1/2"	0'	3050'	Cement Retainer	1	2976
Tubing	USED	4.7 lb	2 3/8"	0'	2976'			

BHST	° F	BHCT	° F	MUD TEMP IN	° F	MUD TEMP OUT	° F	CIRCULATION TIME	HR
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WELL TD	FT	CASING DEPTH	FT	SHOE JOINT	FT		
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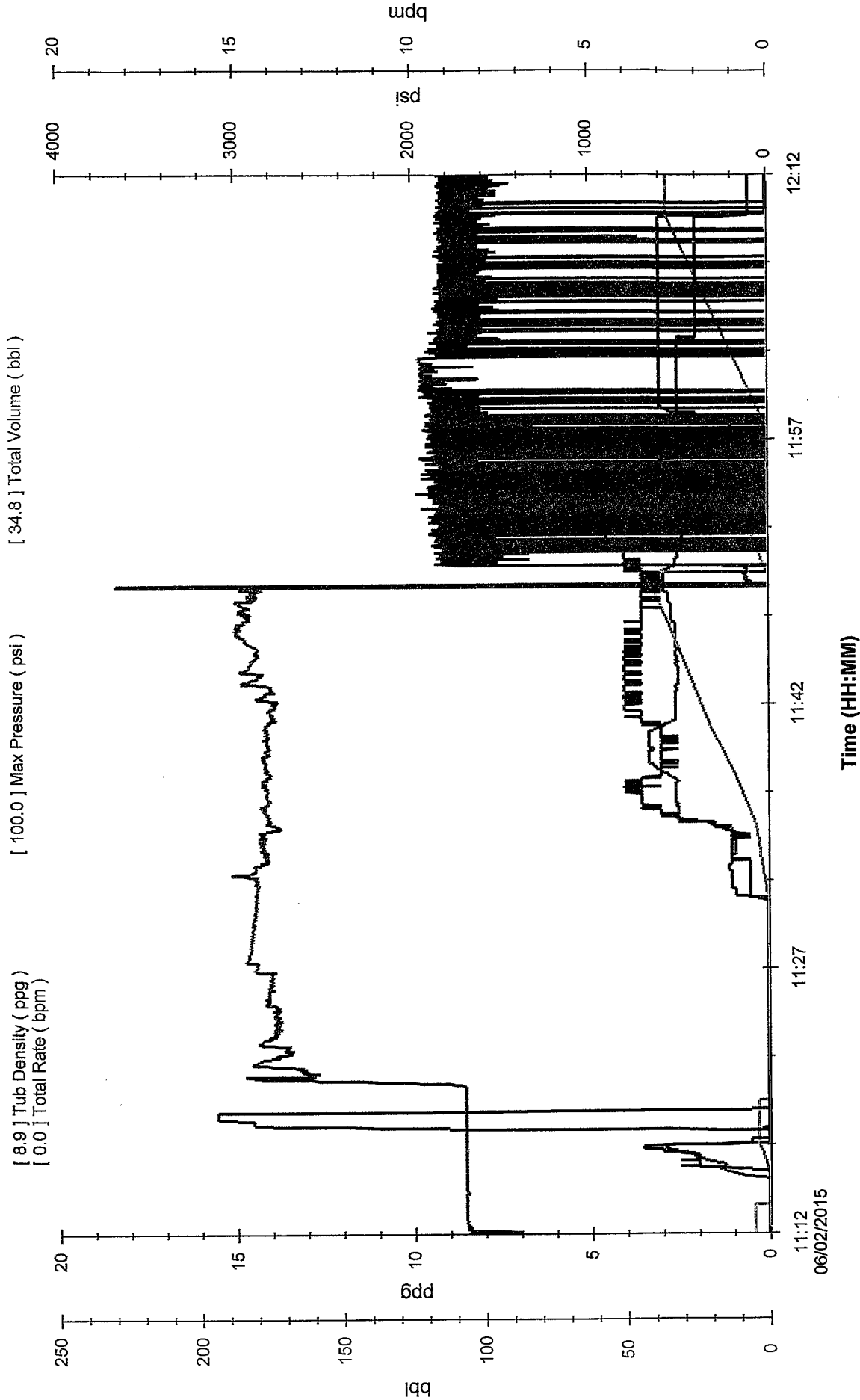
JOB PROCEDURE AND MATERIALS							
STAGE	FLUID NAME	VOLUME (BBL)	BULK (SK)	FLUID DESCRIPTION	WATER REQ.	YIELD	DENSITY (PPG)
1	Spacer	5 +/-	N/A	Fresh Water	N/A	N/A	8.34
2							
3	Cement	37.2	118	Cemex Type II + 5% RGyp + 2%	9.35	1.77	13.5
4				RSMS + .2% Set C			
5							
6	Displacement	12.5	N/A	Fresh Water	N/A	N/A	8.34
7							
8				Plug 2			
9	Spacer	10 +/-	N/A	Fresh Water	N/A	N/A	8.34
10							
11	Cement	10.2	50	Class G (neat)	5.02	1.15	15.8
12							
13	Displacement	6.9	N/A	Fresh Water	N/A	N/A	8.34
14							
15							

OTHER JOB NOTES

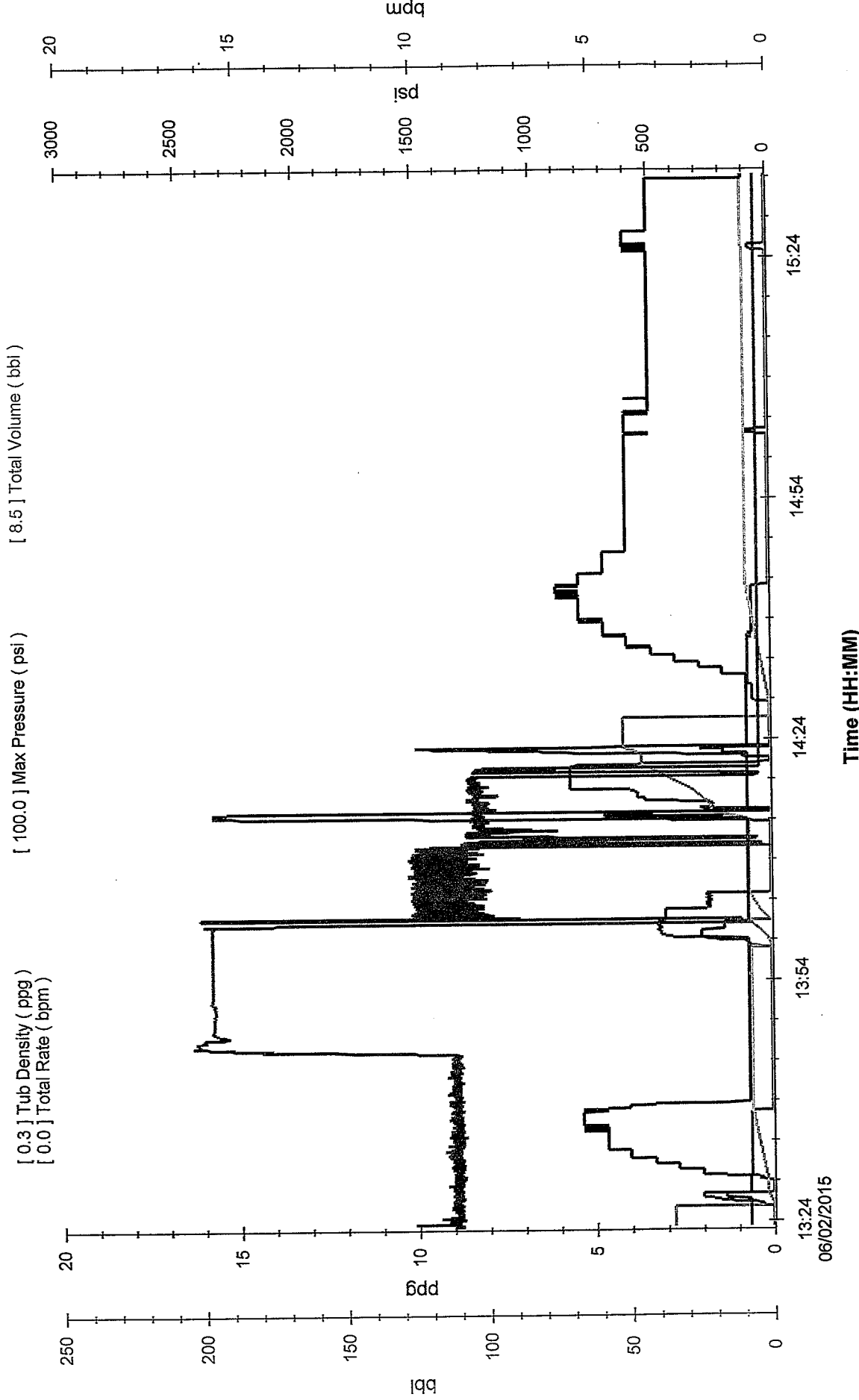
THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE

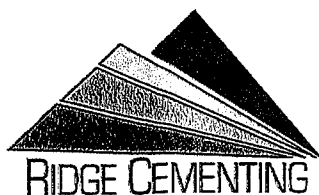
SIGNATURE



Customer: K.P. Kauffman	Well: State 32-16 0	Job Type: P&A
Customer Rep: Ramos, Rick	Supervisor: Thaut, Cory	Job Date: 06/02/2015



Customer: K.P. Kauffman	Well: State 32-16 0	Job Type: P&A
Customer Rep: Ramos, Rick	Supervisor: Thaut, Cory	Job Date: 06/02/2015



Water Analysis Report

Customer: KPK

API #: 05-005-06698

Well Name: State 32-16

Job Type: P&A

Well Number: See Well Name

Date: 6/2/2015

Property	Sample	Unit	Low	High	Affects on cement slurry
Temperature (°F):	70	°F	40	90	High temp will accelerate, low temp will retard
pH:	6.5		5.5	9	High pH will accelerated, low pH will retard
Potassium (K ⁺):	0	ppm		1500	High Potassium will accelerate
Hardness (Ca ⁺²):	0	ppm		600	High Calcium will accelerate and cause gelation
Iron (Fe ⁺²):	0	ppm		300	High Iron will cause gelation
Chlorides (Cl ⁻):	0	ppm		3000	High Chlorides will accelerate
Sulfates (SO ₄ ⁻²):	<200	ppm		1000	High sulfates will reduce compressive strength
Total Dissolved Solids:	N/A	ppm		2000	High TDS will accelerate

