

Co	nfiden	tiality	/ Requested:
	Yes	N	lo

### Kansas Corporation Commission Oil & Gas Conservation Division

1226221

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
□ Oil □ WSW □ SHOW   □ 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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No  If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
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 #:	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:
☐ ENHR         Permit #:           ☐ GSW         Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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 Approved by: Date:					



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ing and shut-in pressu	ormations penetrated. Eures, whether shut-in preith final chart(s). Attach	essure reached stati	c level, hydrosta	atic pressures, bott		
		tain Geophysical Data a r newer AND an image		gs must be ema	ailed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No		on (Top), Depth an		Sample	
Samples Sent to Geol	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-			ion, 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 / SQL	JEEZE RECORD			
Purpose:  Perforate Protect Casing Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
Plug Off Zone							
Does the volume of the to		n this well? aulic fracturing treatment ex submitted to the chemical (	_	Yes [ ? Yes [ Yes [	No (If No, ski	p questions 2 ar p question 3) out Page Three	
Shots Per Foot	PERFORATIO	N RECORD - Bridge Plug	s Set/Type		cture, Shot, Cement		
	Specify Fo	ootage of Each Interval Per	forated	(A	mount and Kind of Ma	terial Used)	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or ENH	IR. Producing Meth		Gas Lift (	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bls. Gas	Mcf Wate	er B	bls. G	as-Oil Ratio	Gravity
DISPOSITIO	ON OF GAS:	Open Hole		Comp. Cor	mmingled	PRODUCTIO	ON INTERVAL:
(Submit AC (If vented, Submit ACO-18.)					omit ACO-4)		

Form	ACO1 - Well Completion			
Operator	H & C Oil Operating Inc.			
Well Name	Kern 3			
Doc ID	1226221			

## All Electric Logs Run

Microresistivity log
dual induction log
Dual compensated porosity log
Sonic Bond log

Form	ACO1 - Well Completion			
Operator	H & C Oil Operating Inc.			
Well Name	Kern 3			
Doc ID	1226221			

### Tops

Name	Тор	Datum	
Top Anhydrite	1796	+509	
Base Anhydrite	1833	+472 -1026	
Topeka	3331		
Heebner	3538	-1233	
Toronto	3559	-1254	
LKC	3576	-1271	
BKC	3800	-1495	
Arbuckle	3866	-1561	

Form	ACO1 - Well Completion			
Operator	H & C Oil Operating Inc.			
Well Name	Kern 3			
Doc ID	1226221			

### Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
surface	12.25	8.625	23	262	common	160	3%cc, 2%gel
production	7.875	5.5	14	3953	Qpro C	140	10%salt, 5%gilsonit e, 1/4#floseal

Marc A. Downing Geologic Report	Drilling Contractor  Commenced  Samples Saved From  American Eagle, Rig #2  Completed  10-1-14  Samples Saved From  3450  To  RTD			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Consulting Petroleum Geologist  Drilling Time and Sample Log	Drilling Time Kept From 3200 To RTD Samples Examined From 3450 To RTD Geological Supervision From 3200 To RTD	domite REMARKS		1
Operator H&C Oil Operating, Inc.    Elevation   KB   2305				7. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
Lease Kern No. 3 GL 2298  API # 15-163-24259-0000 Casing Record Surface		OIL SHOWS		
Field Kern Surface 8 5/8" @ 262' Production	Summary and Recommendations	SS SILLIM		
Location 596' FSL & 1186' FWL  5 1/2" @ 3953' Electrical Surveys	Due to structural position, DST recovery, and log evaluation, it was decided to set 5 1/2" production casing for completion.	THE \$ NOTE OF THE PROPERTY OF		1
Sec. 28 Twp. 9s Rge. 20 CNL/CDL, DIL,		ESCRIPTION OF THE PRINT OF THE		2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
County Rooks State Kansas	Perforate:	PLE D		4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FormationSample topsLog TopsDatumStruct CompTop AnhydriteNA1796+509+8Base AnhydriteNA1833+472+2	Arbuckle: 3892-3895 (First) 3879-3880 (Covered in DST #1)	SAM Gr		12
Topeka 3333 3331 -1026 +2 Heebner 3540 3538 -1233 +1	LKC C: 3616-3619 (Before Abandonment)	LITHOLOGY		
Toronto 3562 3559 -1254 +2		PTH &	9	8
BKC 3805 3800 -1495 +3		25 D IO	$\mathscr{E}$ $\mathscr{E}$ $\mathscr{E}$	
Arbuckle 3870 3866 -1561 +3		Salt Salt		
Total Depth 3955 3953 -1648		Tite Decrea		
	Respectfully Submitted,	Anhyd	3333(H	1 HEEBANE 38406-15 35
	Marc A. Downing	LLING te of Pe		
Reference Well For Structural Comparison H&C Oil Operating, Inc. Kern A-1 490' FSL & 1080' FWL Sec. 26-8s-21w		DRII.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	mm-v-v



Prepared For: **H&C Oil Operating Inc** 

PO Box 86

Plainville, KS 67663-0086

ATTN: Marc Downing

### Kerns #3

### 28-9s-20w Rooks,KS

Start Date: 2014.09.30 @ 17:25:50 End Date: 2014.10.01 @ 00:16:44 Job Ticket #: 60883 DST #: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



H&C Oil Operating Inc

28-9s-20w Rooks, KS

PO Box 86

Plainville, KS 67663-0086

ATTN: Marc Downing

Job Ticket: 60883

Kerns #3

60883 **DST#: 1** 

Test Start: 2014.09.30 @ 17:25:50

### **GENERAL INFORMATION:**

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:45 Time Test Ended: 00:16:44

Interval:

3880.00 ft (KB) To 3895.00 ft (KB) (TVD)

Total Depth: 3895.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)

Ray Schwager 70

Unit No: 70

Tester:

2305.00 ft (KB)

Reference Elevations:

2298.00 ft (CF)

8000.00 psig

KB to GR/CF: 7.00 ft

Serial #: 8018 Inside

Press@RunDepth: 927.83 psig @ 3887.00 ft (KB) Capacity:

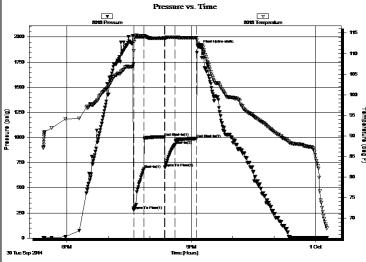
 Start Date:
 2014.09.30
 End Date:
 2014.10.01
 Last Calib.:
 2014.10.01

 Start Time:
 17:25:50
 End Time:
 00:16:44
 Time On Btm:
 2014.09.30 @ 19:33:45

Time Off Btm: 2014.09.30 @ 21:12:45

TEST COMMENT: 15-IFP-strg bl in 30 sec.

30-ISIP-no bl bk 15-FFP-strg bl in 1min 30-FSIP-no bl



	PRESSURE SUMMARY								
1	Time	Pressure	Temp	Annotation					
	(Min.)	(psig)	(deg F)						
	0	1936.05	106.76	Initial Hydro-static					
	3	278.92	110.72	Open To Flow (1)					
	18	684.38	114.21	Shut-In(1)					
,	48	1006.67	113.70	End Shut-In(1)					
	48	700.66	113.55	Open To Flow (2)					
	63 927.83 113			Shut-In(2)					
(dec	94	990.17	113.84	End Shut-In(2)					
9	99	1898.48	112.07	Final Hydro-static					

### Recovery

Length (ft)	Description	Volume (bbl)
248.00	OCMW 20%O20%M60%W	3.21
745.00	OCW 20%O80%W	10.45
620.00	OCW 15%O85%W	8.70
310.00	OCW 8%O92%W	4.35
186.00	Water	2.61

Gas Rat	es	
Choke (inches)	Pressure (neig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 60883 Printed: 2014.10.03 @ 10:15:34



H&C Oil Operating Inc

28-9s-20w Rooks, KS

PO Box 86

Plainville, KS 67663-0086

Job Ticket: 60883

Kerns #3

DST#: 1

ATTN: Marc Downing

Test Start: 2014.09.30 @ 17:25:50

### **GENERAL INFORMATION:**

Formation: **Arbuckle** 

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:36:45 Time Test Ended: 00:16:44

Unit No: 70

Tester:

Test Type: Conventional Bottom Hole (Initial)

Ray Schwager

Reference Elevations:

2305.00 ft (KB)

Total Depth: 3895.00 ft (KB) (TVD)

2298.00 ft (CF)

7.88 inches Hole Condition: Fair

3880.00 ft (KB) To 3895.00 ft (KB) (TVD)

KB to GR/CF: 7.00 ft

Serial #: 8700

Hole Diameter:

Outside

Press@RunDepth:

psig @

3887.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2014.09.30

End Date: 2014.10.01 00:16:02

Time On Btm:

1899.12.30

Start Time:

Interval:

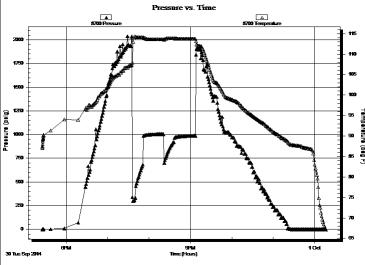
17:25:38

End Time:

Time Off Btm:

TEST COMMENT: 15-IFP-strg bl in 30 sec.

30-ISIP-no bl bk 15-FFP-strg bl in 1min 30-FSIP-no bl



### PRESSURE SUMMARY

Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
Temperature (deg F)				
J				
		1 1		

### Recovery

Length (ft)	Description	Volume (bbl)
248.00	OCMW 20%O20%M60%W	3.21
745.00	OCW 20%O80%W	10.45
620.00	OCW 15%O85%W	8.70
310.00	OCW 8%O92%W	4.35
186.00	Water	2.61

### Gas Rates

Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 60883 Printed: 2014.10.03 @ 10:15:35



Total Volume:

54.28 bbl

**TOOL DIAGRAM** 

H&C Oil Operating Inc

28-9s-20w Rooks, KS

PO Box 86

Kerns #3

Job Ticket: 60883

DST#: 1

ATTN: Marc Downing

Plainville, KS 67663-0086

Test Start: 2014.09.30 @ 17:25:50

**Tool Information** 

Drill Collar:

Drill Pipe: Length: 3859.00 ft Diameter: Heavy Wt. Pipe: Length:

3.80 inches Volume: 0.00 inches Volume: 0.00 ft Diameter: 30.00 ft Diameter: 2.25 inches Volume:

6.75 inches

54.13 bbl Tool Weight: 2200.00 lb 0.00 bbl Weight set on Packer: 25000.00 lb 0.15 bbl Weight to Pull Loose: 45000.00 lb

0.00 ft

Drill Pipe Above KB: 30.00 ft Depth to Top Packer:

Length:

3880.00 ft ft

2

Tool Chased String Weight: Initial 37000.00 lb Final 40000.00 lb

Depth to Bottom Packer: Interval between Packers: 15.00 ft Tool Length: 36.00 ft

Diameter:

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3860.00		
Shut In Tool	5.00			3865.00		
Hydraulic tool	5.00			3870.00		
Packer	5.00			3875.00	21.00	Bottom Of Top Packer
Packer	5.00			3880.00		
Stubb	1.00			3881.00		
Perforations	6.00			3887.00		
Recorder	0.00	8018	Inside	3887.00		
Recorder	0.00	8700	Outside	3887.00		
Perforations	5.00			3892.00		
Bullnose	3.00			3895.00	15.00	Bottom Packers & Anchor

**Total Tool Length:** 36.00

Trilobite Testing, Inc Ref. No: 60883 Printed: 2014.10.03 @ 10:15:35



**FLUID SUMMARY** 

H&C Oil Operating Inc

28-9s-20w Rooks, KS

PO Box 86

Kerns #3

Job Ticket: 60883

DST#: 1

ATTN: Marc Downing

Plainville, KS 67663-0086

Test Start: 2014.09.30 @ 17:25:50

### **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 10.00 lb/gal Cushion Length: ft Water Salinity: 23000 ppm

Viscosity: 58.00 sec/qt Cushion Volume: bbl

Water Loss: 7.17 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 1200.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

### Recovery Table

Length ft	Description	Volume bbl
248.00	OCMW 20%O20%M60%W	3.206
745.00	OCW 20%O80%W	10.450
620.00	OCW 15%O85%W	8.697
310.00	OCW 8%O92%W	4.348
186.00	Water	2.609

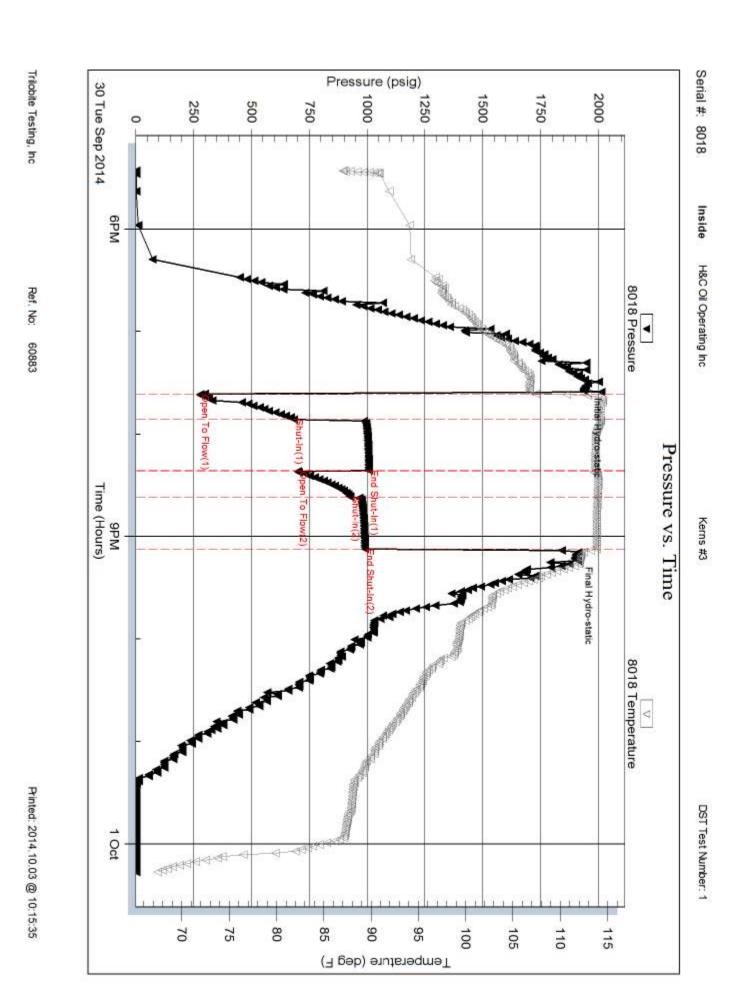
Total Length: 2109.00 ft Total Volume: 29.310 bbl

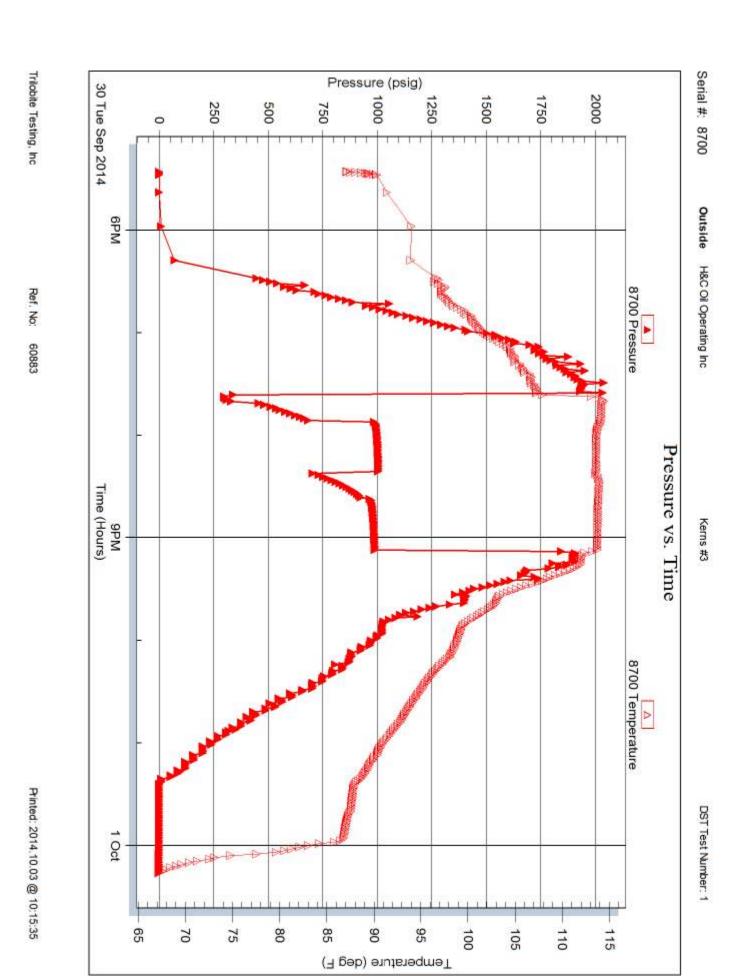
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW .29@70F

Trilobite Testing, Inc Ref. No: 60883 Printed: 2014.10.03 @ 10:15:35







## RILOBITE ESTING INC.

### **Test Ticket**

NO.

60883

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No	KeRn #3		Test No	1		0-14
	C OIL OPERATING	Inc	Elevation _	2305		
Address Po	ROX Blo Plandi	11e Ka 676	663-00	86		
Co. Rep / Geo.	MARC DOWNING		Rig A	n Engle	1193	
Location: Sec.	28 Twp. 195	_Rge. 20 <sup>w</sup>	Co. 200	Ko'	State &	0
Interval Tested	3880-3895	Zone Tested	ARbuck	2		
Anchor Length		Drill Pipe Run			Mud Wt. 9.	4
	3875	Drill Collars Run	30		Vis5	Arms.
Bottom Packer Depth	3880	Wt. Pipe Run			wL7	,2
Total Depth	2001	Chlorides	1200	ppm System	LCMTA	2
Blow Description	IFP-STRONG		Bosec,			
	ISLP-NOBLE	^1	,			
	FFP-STRONG	Blowin	min			
F	SIP-NO Blok					
Rec 248	Feet of OCMW		%gas	20 %oil	60%water	20%mud
Rec 745	Feet of OCW		%gas	20 %oil	80 %water	%mud
Rec 620	Feet of OCW		%gas	15 %oil	85 %water	%mud
Rec_ 310_	Feet of OCW		%gas	8 %oil	92 %water	%mud
Rec186	Feet of WATER	11	%gas	%oil	%water	%mud
Rec Total 21	09 внт 1/3	Gravity	API RW_2	1_@ <b>70</b> _°	F Chlorides 230	ppm ppm
(A) Initial Hydrostatic	1936	Test1150			ocation 1500	
(B) First Initial Flow_		□ Jars		T-Star	ted	5
(C) First Final Flow _		☐ Safety Joint		T-Ope		
(D) Initial Shut-In	1006	☐ Circ Sub			ed 2105	
(E) Second Initial Flow		☐ Hourly Standby _			0016	
(F) Second Final Flov		Mileage 80	RT 124	Comm	nents	
(G) Final Shut-In		☐ Sampler				
(H) Final Hydrostatic_	1898	☐ Straddle		D Ri	uined Shale Packer	
		☐ Shale Packer			uined Shale Packer_ uined Packer	
Initial Open	5	☐ Extra Packer		<b>-</b> 110	tra Copies	
nitial Shut-In	30	☐ Extra Recorder _			otal 0	
Final Flow		☐ Day Standby			1274	
Final Shut-In	30	☐ Accessibility			ST Disc't	
		Sub Total 1274			1	THANK
Approved By		Ou	r Representative	RAYSe	LWAGES	Thank
ritohita Tasting Inc. shall not be	a liable for demand of any blad of the			1		

Trilobite Testing Inc. shall not be liable for damaged of any kind of 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 statements or opinion concerning the results 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.

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025

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

901

Cell 785-324-1041

PW 174 F/1 10% 5.1 The above was done to satisfaction and supervision of owner agent or contractor. 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. 10:30 Finish 5% 6.15mile Ninto Flush Total Charge Discount a- Pro On Location III MALL 72 State FLOAT EQUIPMENT 077 35# 3 Redline J 600 CFL-117 or CD110 CAF 38 Ore State Cement Amount Ordered Pily Flowseal 2007 DV Tool Pumptrk Charge 35 -6 Rubber \* Common /40 Pole0 Mud CLR 48 AFU Inserts Latch Down Guide Shoe Handling Centralizer Float Shoe Mileage Calcium Mileage Kol-Seal Charge To Poz. Mix Rooks Baskets Owner Street ப County Sand Hulls Salt Gel. Location 15 min 3% 22 1461 700 lbs 96 bb Brett H ž. Range ניני Waite 1000/145 20 3 Depth 3 9 49 Well No. Depth 2398 Hio 5 \$ For I hi 39 JOB SERVICES & REMARKS 4 Fish Shoe Joint 3 Mul pressure @ Displace 5x 0 Pro # - 4g Depth ĕ o d Mach 500 J. LODAILE EQUIPMENT agie No. Cementer R if Charl 36 Cart B 36 Botton Staye Ray 930ts Sec. 28 14 Circulated of 3 7 held American Driver Driver M. R 600 Driver Driver 9 1 1 Dropped Displace 100 29 3 61-1 Open Cement Left in Csg. No. Lease Kern No. 2007 30 Mix 5 0 5 <u>و</u> 5 Date (0 - 1 Mouse Hole Centralizers Contractor X Signature Meas Line Hole Size Tbg. Size Type Job Remarks: Pumptrk Rat Hole Baskets D/V Bulktrk Bulktrk Csg. 100

# QUALITY OILWELL CEMENTING, INC. Federal Tax 1.D.# 20-2886107

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

Phone 785-483-2025

392 S N

On Location State County Range Cell 785-324-1041

4, COAm. The above was done to satisfaction and supervision of owner agent or contractor. 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. Discount Total Charge Cement Amount Ordered (LOLLON 3) FLOAT EQUIPMENT 0,11/1 1 38 CFL-117 or CD110 CAF 224 90 Pumptrk Charge Mileage 37 S Mud CLR 48 3 AFU Inserts Guide Shoe Latch Down Float Shoe Centralizer Handling Common Flowseal Location Pula Poz. Mix Calcium Kol-Seal Mileage Charge To Baskets Owner Street Hulls Sand Gel. Ċit₹ Salt Books Displace 151/2BC M Well No. tar 100 JOB SERVICES & REMARKS Shoe Joint Depth 3 N S Depth Depth 24 Jan T.D. EQUIPMENT Sec. 28 No. Cemental Helper No. Driver Driver lastum, No. Driver Driver St. × 78/18 4-26-14 Cement Left in Csg. 8 an D/V or Port Collar 9 Mouse Hole Centralizers Contractor Meas Line X Signature Hole Size Type Job Tbg. Size Remarks: Pumptrk Rat Hole Baskets Bulktrk Lease Bulktrk Date Csg.

# 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. 902

The above was done to satisfaction and supervision of owner agent or contractor. 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. 12:30 14 Fla Tax Discount Total Charge Vinto On Location Cement Amount Ordered 425 OMDC 12 E State FLOAT EQUIPMENT QINK Redline CFL-117 or CD110 CAF 38 State Common 425 -16 Handling 52 ୍ଚିଚ Pumptrk Charge HFC 5 7 Latch Down t Mileage 35 Mud CLR 48 Rubber Palco Guide Shoe AFU Inserts Float Shoe Centralizer Baskets ~ Flowseal Mileage Poz. Mix Kol-Seal Calcium ふべん Charge To Street Sand Hulls County Rooks Salt City Gel. Location do- 54 9 305 700 H Range QMDC 70 2398 90 boi Well No. 五头 T.D. 3955 5 ≶ JOB SERVICES & REMARKS pressura @ Shoe Joint Displace agle 28 1/2 Depth Depth Depth Twp. Lonnie No. Cementer A . C.K. 9 EQUIPMENT A CONTRACTOR 95 **ト**e(C Rent  $\mathcal{G}$ Sec. 28 ement ):5pincec AMERICAN lop Staye No. Driver No. Driver No. Driver Sand Oct Mised Play 71. 305 Kern Cement Left in Csg. D/V or Port Collar 1 9 7 cs Pumptrk 16 7 Date 10 -4 Mouse Hole Centralizers X Signature Contractor Meas Line Hole Size Tbg. Size Type Job Remarks: Rat Hole Baskets Lease Bulktrk Bulktrk Tool Csg.