



KANSAS CORPORATION COMMISSION 1093309  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 32699  
Name: ZU, LLC  
Address 1: 108 W 34TH  
Address 2: \_\_\_\_\_  
City: HAYS State: KS Zip: 67601 + 1629  
Contact Person: GREG WHITEHAIR  
Phone: (785) 432-0789  
CONTRACTOR: License # 34743  
Name: White Knight Drilling LLC  
Wellsite Geologist: Herb Deines  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- Gas     D&A     ENHR     SIGW
- OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic     Other (Cora, 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

Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled    Permit #: \_\_\_\_\_

Dual Completion    Permit #: \_\_\_\_\_

SWD    Permit #: \_\_\_\_\_

ENHR    Permit #: \_\_\_\_\_

GSW    Permit #: \_\_\_\_\_

<u>8/20/2012</u>	<u>9/2/2012</u>	<u>9/28/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26368-00-00

Spot Description: \_\_\_\_\_  
SE SW NW SE Sec. 12 Twp. 13 S. R. 20  East  West  
1330 Feet from  North /  South Line of Section  
2210 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Ellis

Lease Name: Nadine Jacques Well #: 1

Field Name: PFEIFER NORTH

Producing Formation: Kansas City

Elevation: Ground: 2079 Kelly Bushing: 2082

Total Depth: 3830 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 213 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1516 Feet

If Alternate II completion, cement circulated from: 1516

feet depth to: 0 w/ 225 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 68000 ppm Fluid volume: 400 bbls

Dewatering method used: Evaporated

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

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garriso Date: 11/27/2012



1093309

Operator Name: ZU, LLC Lease Name: Nadine Jacques Well #: 1  
 Sec. 12 Twp. 13 S. R. 20  East  West County: Ellis

**INSTRUCTIONS:** Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

List All E. Logs Run:  
**Attached**

CASING RECORD <input checked="" 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
SURFACE	12.75	8.625	20	213	COMMON	150	3% GEL, 5% CALCIUM
PRODUCTION	7.875	5.5	15.5	3827	COMMON	150	10% GALT, 2% GEL, 5# KOLSEL

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1516	60/40	225	8% GEL, .25# FLOSEAL
	-			

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
2	3426-3429	500 GAL OF 20% INS	
2	3467-3469	900 GAL OF 15% INS	
2	3551-3553	750 GAL OF 20% MCA	
2	3588-3592	1250 GAL OF 20% MCA	
0	3720	CIBP	

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3704</u>	Pecker At: <u>NONE</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>9/28/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>8</u>	Gas Mcf <u>0</u>	Water Bbls. <u>30</u>	Gas-Oil Ratio <u>0</u> Gravity <u>33</u>

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: <u>LKC</u>
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Form	ACO1 - Well Completion
Operator	ZU, LLC
Well Name	Nadine Jacques 1
Doc ID	1093309

All Electric Logs Run

<b>BOREHOLE SONIC LOG</b>
<b>COMPUTER PROCESSED INTERPRETATION</b>
Microresistivity Log
Dual Induction Log
Dual Compensated Porosity Log
Cement Bond Log

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**Tops**

ANHYDRITE	1421	+661
BASE ANHYDRITE	1459	+623
TOPEKA	3112	-1030
HEEBNER SHALE	3349	-1267
TORONTO	3372	-1290
LANSING KANSAS CITY	3390	-1308
BASE KANSAS CITY	3640	-1558
ARBUCKLE	3738	-1656





TICKET NUMBER 37188  
 LOCATION Oakley, Ks  
 FOREMAN Kelly Gable  
Walt Dunkel

Box 884, Chanute, KS 66720  
 402-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-2-12	9999	Nadine Jacques #1	12	135	204	Ellis
CUSTOMER ZU LLC			Ellis + 40 Hwy 4E 3/4N 1/2W			
MAILING ADDRESS 108, W 34th St			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY Hays			399	Terry Yates		
STATE Ks			460	Cody Ricks		
ZIP CODE 67601						

JOB TYPE Procl HOLE SIZE \_\_\_\_\_ HOLE DEPTH 3830' CASING SIZE & WEIGHT 5 1/2 15.5#  
 CASING DEPTH 3827' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER PC 1562'  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 23.68  
 DISPLACEMENT \_\_\_\_\_ DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 6 BPM

REMARKS: Safety Meeting, Rig up on white night, run float equipment  
2, 4, 6, 8, 10, 12, 14, 16, 54, 56 Cents Baskets on 55, circ casing on bottom  
1 1/2 hrs, Pump 5 BBL H2O, surgical mud flush, mix 30 SKS in pits  
mixed 150 SKS com, 10% salt, 5# Kolseal, 2% gel, clear Pump + Lines  
release Plug + Displace 90 BBL H2O @ 7.90# max, Landed Plug @  
1400#, release Pressure, float held

Thank You  
 Kelly, Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2,700 <sup>00</sup>	
5406	35	MILEAGE	5 <sup>00</sup>	
11043	180 SKS	Class A Cement	17 <sup>65</sup>	
1111	861 #	salt	.45	
1110A	900 #	Kolseal	.56	
1118B	338 #	gel	.25	
1144 G	500 gal	mud flush	1 <sup>00</sup>	
5407A	8.46	Tom Mileage Delivery	1 <sup>62</sup>	
4203	1	5 1/2 - Guide Shoe	193 <sup>00</sup>	
4228B	1	5 1/2 - AEU insert	206 <sup>00</sup>	
4130	10	5 1/2 - Centralizers	58 <sup>00</sup>	
4104	1	5 1/2 - Basket	276 <sup>00</sup>	
4225	1	5 1/2 - Port Collar	2025 <sup>00</sup>	
4406	1	5 1/2 - Rubber Plug	88 <sup>00</sup>	
		Less 10% Disc		
			SALES TAX	

Ravin 3737

Paid w/check #004420

ESTIMATED TOTAL

AUTHORIZATION

*[Signature]*

TITLE Managing Partner

DATE 9/2/2012

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

252635

# QUALITY OILWELL CEMENTING, INC.

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

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

No. 788

Date	8-20-12	Sec.	12	Twp.	13	Range	20	County	Ellis	State	KS	On Location		Finish	11:15 AM
Lease	Nadine Jackson							Well No.	Location						
Contractor	Precision Drilling							Owner	To Quality Oilwell Cementing, Inc.						
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.	226		Charge To	2011C								
Csg.	8 5/8		Depth	213		Street	108 W 34th								
Tbg. Size			Depth			City	Hays				State			KS 67601	
Tool			Depth			The above was done to satisfaction and supervision of owner agent or contractor.									
Cement Left in Csg.	15'		Shoe Joint			Cement Amount Ordered									
Meas Line			Displace	12 1/2 BBL		150 LBS 3" PIC 20/60									

**EQUIPMENT**

Pumptrk	5	No.	Cementor	Chris	Common	150
			Helper			
Bulktrk		No.	Driver	Brett	Poz. Mix	
			Driver			
Bulktrk	14	No.	Driver	Andy	Gel.	3
			Driver			

**JOB SERVICES & REMARKS**

Remarks:	Hulls	
Rat Hole	Salt	
Mouse Hole	Flowseal	
Centralizers	Kol-Seal	
Baskets	Mud CLR 48	
D/V or Port Collar	CFL-117 or CD110 CAF 38	
8 5/8 on bottom EST. Circulation	Sand	
Mix 150 SIC x 15' space.	Handling	158
Cement Circulated?	Mileage	

**FLOAT EQUIPMENT**

Guide Shoe	
Centralizer	8 5/8 surge
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	11

X  
Signature

Tax  
Discount  
Total Charge