

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM

WELL HISTORY DESCRIPTION OF WELL & LEASE

CONFIDENTIAL

ORIGINAL

Operator: License # 33166
Name: CALPINE NATURAL GAS COMPANY
Address: 1200 - 17TH STREET, SUITE 770
City/State/Zip: DENVER, CO 80202
Purchaser: _____
Operator Contact Person: HUGO CARTAYA
Phone: (720) 946-1302
Contractor: Name: LAYNE CHRISTENSEN CANAD
License: 32999

Wellsite Geologist: RICHARD RUBBA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: 2262'
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>02/22/03</u>	<u>03/04/03</u>	<u>WO Completion</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 197-20264-00-00
County: Lyon
N E N W Sec. 33 Twp. 14 S. R. 10 East West
1050 feet from S (circle one) Line of Section
1670 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Keller Well #: 3-33-14-10
Field Name: Wildcat

Producing Formation: WO completion
Elevation: Ground: 1440' Kelly Bushing: 15 1455
Total Depth: 2688' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 300' 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 < 500 ppm Fluid volume 560 bbls
Dewatering method used Hauled off site
Location of fluid disposal if hauled offsite: _____
Operator Name: Curry Oil Company
Lease Name: Curry #5 License No.: 30776
Quarter SE Sec. 15 Twp. 22 S. R. 11 East West
County: Greenwood Docket No.: D-26-554

RECEIVED
MAY 0 1 2003
MAY 0 5 2003
KCC WICHITA

ALT I W HM 2-7-07

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Hugo Cartaya
Title: Director of Oper Date: 5/1/03
Subscribed and sworn to before me this 1 day of May,
10 2003
Notary Public: Madalyn M Runge
Date Commission Expires: November 25, 2004

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

✓

X

CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: CALPINE NATURAL GAS COMPANY Lease Name: Keller Well #: 3-33-14-10
 Sec. 33 Twp. 14 S. R. 10 East West County: LYON

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 copy of all Electric Wireline 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	Log Formation (Top), Depth and Datum Name Top Datum Pleasanton 1451' Marmaton 1549' Excello Shale 1720' Base Penn 2104'
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Cores Taken	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Electric Log Run <i>(Submit Copy)</i>	Yes <input type="checkbox"/> No <input type="checkbox"/>	
List All E. Logs Run:		

KCC
MAY 01 2003

1. Dual Compensation Porosity, GR
2. Dual Induction, Caliper

CONFIDENTIAL

CASING RECORD							
				New	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	12-1/4"	9-5/8"	32.3#	40'	Portland "A"	40	3% CaCl
PRODUCTION	7-7/8"	5-1/2"	14.5#	2658'	OWC		6% Gypsum
					50/50 POZ	105	2% Gel

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				

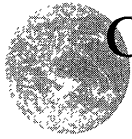
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD	Size	Set At	Packer At	Liner Run
				Yes <input type="checkbox"/> No <input type="checkbox"/>

Date of First, Resumed Production, SWD or Enhr. SI, waiting on completion	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 METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Sumit ACO-18.) Other (Specify) _____



CONFIDENTIAL
CONSOLIDATED
 OIL WELL
 SERVICES
 AN INFINITY COMPANY

211 W. 14TH STREET, CHANUTE, KS 66720
 620-431-9210 OR 800-467-8676

KCC

MAY 01 2003

CONFIDENTIAL

ORIGINAL

TICKET NUMBER **19367**

LOCATION Ottawa

FIELD TICKET

AFE# 02-365 Keller 3-33-14-10

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
3-6-03	2542		02	33	14	10	Wb	
CHARGE TO <u>Calpine Natural Gas</u>				OWNER				
MAILING ADDRESS <u>1200 17th Ste 700</u>				OPERATOR <u>Drew Friedrichs</u>				
CITY & STATE <u>Denver Co. 80202</u>				CONTRACTOR <u>Hayne Christensen</u>				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE cement one well		525 ⁰⁰
5402	2660'	casing footage	.14	NIK
1118	2	premium gel	11 ⁸⁰	23 ⁶⁰
1107	1	Fl ^o -seal	37 ²⁵	37 ²⁵
1110	21	gilsonite	19 ⁴⁰	407 ⁴⁰
1111	263#	granulated salt	.10	26 ³⁰
4405	1	5 1/2 rubber plug		37 ⁵⁰
1123	5.4	city water	11 ³²	60 ⁷⁵
4154	1	5 1/2 AFU float shoe		168 ⁰⁰
RECEIVED				
MAY 05 2003				
KCC WICHITA				
BLENDING & HANDLING				
5407	70 miles	TON-MILES		266 ⁰⁰
STAND BY TIME				
MILEAGE				
5501.10	8.5	WATER TRANSPORTS	75 ⁰⁰	637 ⁵⁰
VACUUM TRUCKS				
FRAC SAND				
1127	105 sx	CEMENT 50/50 po2	6 ⁴⁵	677 ²⁵
			6.8%	SALES TAX
				97 ⁸²

Ravin 2790

ESTIMATED TOTAL 2964⁸⁷

CUSTOMER or AGENTS SIGNATURE Drew Friedrichs KCS FOREMAN

Alan Mader

CUSTOMER or AGENT (PLEASE PRINT)

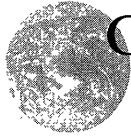
DATE

3-6-03

183003

CONFIDENTIAL

ORIGINAL



CONSOLIDATED
OIL WELL
SERVICES
AN INFINITY COMPANY

Surface Log
KCC

MAY 01 2003

TICKET NUMBER 17707

LOCATION Ottawa

211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

CONFIDENTIAL
FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
2-23-01	2592	Kelks 3-33-1410		33	14	10	WB	
CHARGE TO				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				
<i>AFE 02-365</i>								
<i>Calpine Natural Gas</i>				<i>Drew Fredricks</i>				
<i>1200 17th Street suit 770</i>				<i>Layne Christensen</i>				
<i>Denver CO 80202</i>								

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	one	PUMP CHARGE Cement Pump		525.00
5402	300'	Casing Footage		N/C
5609	1	Reset to move for clean up		120.00
4151	one	9 3/8 Rubber Plug		109.00
1102	9	Calcium Chloride		306.00
1118	3	Premium Gel		35.00
1107	2	FLO-SEAL		75.00
RECEIVED				
MAY 05 2003				
KCC WICHITA				
5407	70 mi	BLENDING & HANDLING TON-MILES		266.00
		STAND BY TIME		
		MILEAGE		
5502	70	WATER TRANSPORTS VACUUM TRUCKS		490.00
		FRAC SAND		
1104	152 ft	CEMENT class A		1246.00
			6.8% SALES TAX	120.53
ESTIMATED TOTAL				3293.83

Ravin 2790

CUSTOMER or AGENTS SIGNATURE

Drew Fredricks

CIS FOREMAN

OTG Powers

CUSTOMER or AGENT (PLEASE PRINT)

DATE

182954

CONFIDENTIAL

CONSOLIDATED OIL WELL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

Surface Csg

ORIGINAL

TICKET NUMBER 28902

LOCATION OTTAWA

FOREMAN OTTO POULSEN

KCC

TREATMENT REPORT

MAY 01 2003

DATE 2-23-03	CUSTOMER # 2542	WELL NAME Keller 3-33-14-10	FORMATION
SECTION 33	TOWNSHIP 14	RANGE 10	COUNTY WB
CUSTOMER CALPINE NATURAL GAS			
MAILING ADDRESS 1200 17 th Street Suite 770			
CITY DENVER			
STATE CO		ZIP CODE 80202	
TIME ARRIVED ON LOCATION			

RECEIVED
MAY 05 2003

TRUCK #	DRIVER	TRUCK #	DRIVER
372	OTTO		
164 PT	Herb		
144 BT	LOSTY		
369 UT	RICK		

WELL DATA	
HOLE SIZE 13 1/4	PACKER DEPTH
TOTAL DEPTH 303'	PERFORATIONS
	SHOTS/FT
CASING SIZE 9 5/8	OPEN HOLE
CASING DEPTH 300'	
CASING WEIGHT	TUBING SIZE
CASING CONDITION	TUBING DEPTH
	TUBING WEIGHT
	TUBING CONDITION
TREATMENT VIA	

KCC WICHITA

TYPE OF TREATMENT	
<input checked="" type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISF. PUMP	<input type="checkbox"/>
<input type="checkbox"/> OTHER	<input type="checkbox"/>

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTION PRIOR TO JOB: Tried three times to put plug containers on surf job. Establish circulation mix pumped 12 bbl Die marker mix + Pumped cement with 3% cal chloride 2% Gel 1% FPD seal then pumped 9 5/8 Rubber Plug with 2 1/2 gal water circulating cement to surface. Yield was 1.35

AUTHORIZATION TO PROCEED: W. J. ... TITLE: _____ DATE: _____

TIME AM/PM	STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
		22					BREAKDOWN PRESSURE
							DISPLACEMENT
							MIX PRESSURE
							MIN PRESSURE
							ISIP
8:45	Start	Start Plug	containers				15 MIN.
							MAX RATE
							MIN RATE
5:30 am							00

182154

TERMS

In consideration of the prices to be charged for our services, equipment and products as set forth in Consolidated Oil Well Services, Inc's (COWS) current Price Schedule, and for the performance of services and supplying of materials; customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices payable to P.O. Box 884, Chanute, KS 66720. Invoices payable within 30 days of invoice date. Charges subjected to interest after 30 days from invoice date. Interest will be charged at Maximum rate allowed by law. In the event it is necessary to employ an attorney to enforce collection of such account, customer agrees pay all collection costs and attorney's fees in the amount of 20% of said amount.

Any applicable federal, state or local sales, use, occupation, consumer's or emergency taxes shall be added to the quoted price.

A sales tax reimbursement of 2% is applied to chemical and product charges for all services performed on oil and gas wells in the State of Texas.

All process license fees required to be paid to others will be added to the scheduled prices.

All prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by COWS.

"The customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the customer shall be present to specify depths, pressures, or materials used for any service which is to be performed."

- (a) COWS shall not be responsible for, and customer shall secure COWS against any liability for damage to property of customer and of the well owner (if different from customer), unless caused by the willful misconduct or gross negligence of COWS, this provision applying to but not limited to sub-surface damage and surface damage arising from subsurface damage.
- (b) Customer shall be responsible for and secure COWS against any liability for reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct of gross negligence of COWS.

- (c) Customer shall be responsible for and secure COWS against any and all liability of whatsoever nature for damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS hereunder.
- (d) Customer shall be responsible for and secure COWS against any liability for injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of COWS.
- (e) COWS makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or services.
- (f) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS gross negligence or willful misconduct in the preparation or furnishing of it.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OR MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to COWS or, at COWS's option, to the allowance to the customer of credit for the cost of such items. In no event, shall COWS be liable for special, incidental, indirect, punitive or consequential damages.

COWS personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be liable for and CUSTOMER SHALL INDEMNIFY AGAINST ANY DAMAGED ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed by the COWS negligence or fault.