

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 CANADA LTD
License: 32999
Wellsite Geologist: RICHARD ROBBA

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MAY 05 2003

KCC WICHITA

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MAY 01 2003

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: 1047'

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. _____

02/07/03	02/13/03	W/O Completion
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 111-20410-00-00
County: Lyon
N W N W Sec. 21 Twp. 19 S. R. 13 East West
660 feet from S N (circle one) Line of Section
660 feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: KRAMER Well #: 5-21-19-13
Field Name: WILDCAT

Producing Formation: _____
Elevation: Ground: 1117' Kelly Bushing: 18 1132
Total Depth: 1947' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 40 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1942 Feet

If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.
ACT I LWHM 27-07

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content <500 ppm Fluid volume 400 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

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, 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



CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: CALPINE NATURAL GAS COMPANY Lease Name: KRAMER Well #: 5-21-19-13
Sec. 21 Twp. 19 S. R. 13 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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run (Submit Copy)
List All E. Logs Run:
1. Dual Compensation Porosity, GR
2. Dual Induction, Caliper
Log Formation (Top), Depth and Datum Sample Name Top Datum
Pleasanton 1194'
Marmaton 1310'
Excello Shale 1469'
Base Penn 1836'

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CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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
Table with columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives

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

TUBING RECORD
Size Set At Packer At Liner Run Yes No

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 Bbbs. Gas Mcf Water Bbbs. Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval
Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
Other (Specify)

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ORIGINAL



CONSOLIDATED OIL WELL SERVICES AN INFINITY COMPANY

KCC MAY 01 2003

MAR - 7 2003

TICKET NUMBER 17717

LOCATION Ottawa Chanute

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

FIELD TICKET

#5-21-19-13

DATE 2-7-03	CUSTOMER ACCT # 2542	WELL NAME Kramer 5-21-13	QTR/QTR	SECTION 21	TWP 19	RGE 13	COUNTY LYON	FORMATION
CHARGE TO Calpine Natural Gas				OWNER				
MAILING ADDRESS				OPERATOR Mike Drew Redrocks				
CITY & STATE				CONTRACTOR Layne Christensen				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401.20	one	PUMP CHARGE cement pumper		525.00
5402.20	40' bin	Casing Footage		N/C
1102.20	1.2	Calcium Chloride		68.00
1118.20	1 sk	Premium Gel		11.80
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5407.20	m.a	BLENDING & HANDLING TON-MILES STAND BY TIME MILEAGE WATER TRANSPORTS VACUUM TRUCKS Own H2O FRAC SAND		190.00 N/C
1104.20	40 SKS	CEMENT Class A cement		328.00
			6.8%	SALES TAX 22.75
ESTIMATED TOTAL				1150.55

Ravin 2790

CUSTOMER or AGENTS SIGNATURE

Drew Redrocks
CIS FOREMAN *OTO L. Powers*

CUSTOMER or AGENT (PLEASE PRINT)

DATE

182699

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KCC

ORIGINAL

MAY 01 2003

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

CONFIDENTIAL

TICKET NUMBER 26894
LOCATION Chanute Ottawa
FOREMAN Otto G. Powers

TREATMENT REPORT

DATE <u>2-7-03</u>	CUSTOMER ACCT #	WELL NAME <u>Kramer S-21-19-13</u>	QTR/QTR	SECTION <u>521</u>	TWP <u>2119</u>	RGE <u>13</u>	COUNTY <u>1401</u>	FORMATION
CHARGE TO <u>Calpine natural gas</u>				OWNER				
MAILING ADDRESS				OPERATOR <u>Layne Drew Fredricks</u>				
CITY				CONTRACTOR <u>Layne CHRISTENSEN</u>				
STATE				DISTANCE TO LOCATION				
ZIP CODE				TIME LEFT LOCATION				
TIME ARRIVED ON LOCATION								

WELL DATA	
HOLE SIZE	<u>13" 14"</u>
TOTAL DEPTH	<u>44.5' 44'</u>
CASING SIZE	<u>9 5/8"</u>
CASING DEPTH	<u>40' 6"</u>
CASING WEIGHT	
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

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"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

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MAY 05 2003

KCC WICHITA

INSTRUCTION PRIOR TO JOB Surface Job

372 OP., 16 1/2 herb, 206 BT. David

JOB SUMMARY

DESCRIPTION OF JOB EVENTS
Establish circulation mix & pumped 4000's class A cement
well at 14.5 lbs cell cement to surface displaced with 2.2 bbl clean
water. 3% calcium chloride 2% Premium fel at yield 1.35

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	

AUTHORIZATION TO PROCEED

[Signature]

TITLE

DATE

CONFIDENTIAL

ORIGINAL



CONSOLIDATED
OIL WELL
SERVICES
AN INFINITY COMPANY

KCC

MAR - 7 2003

MAY 01 2003

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

TICKET NUMBER 19361

CONFIDENTIAL
FIELD TICKET

LOCATION OTJong

AFE 02-364

DATE 2-13-03	CUSTOMER ACCT # 2542	WELL NAME Kramer 5-21-19-13	QTR/QTR	SECTION	TWP	RGE	COUNTY LYON	FORMATION
CHARGE TO Calpine Natural Gas				OWNER				
MAILING ADDRESS 1200 17th Ste 770				OPERATOR Drew Friedrish				
CITY & STATE Dender Co. 80202				CONTRACTOR Hayne				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE		
5402	19.23'	casing casing footage	1.14	525.00 NIC
4405	1	5		
1118	15.5x	premium gel	11.80	375.00 177.00
1123	5000 gal	city water	11.25	56.25 AM
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5467	minimum	BLENDING & HANDLING TON-MILES 2 track	190.00	380.00
5501	4	MILEAGE WATER TRANSPORTS VACUUM TRUCKS	75.00	300.00
1126	1.25 3x	FRAC SAND		
1124	255 3x	OWC CEMENT 50/50 PD2	11.00 16.45	1375.00 1644.75
			Tax 6.870	217.38 AM
			SALES TAX	221.20
ESTIMATED TOTAL				4679.20 AM

Ravin 2790

Drew Friedrish
CUSTOMER or AGENTS SIGNATURE

CIS FOREMAN *Alan Nader*

CUSTOMER or AGENT (PLEASE PRINT)

DATE 2-10-03

CONFIDENTIAL

KCC

MAY 01 2003

ORIGINAL

CONSOLIDATED OIL WELL SERVICES, INC.
211 W. 14TH STREET, CHANUTE, KS 66720
316-431-9210 OR 800-467-8676

CONFIDENTIAL

TICKET NUMBER 20937

LOCATION Ottawa

FOREMAN Alan Mader

TREATMENT REPORT

AFE 02-364

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
2-13-02	2542	Kramer 5-21-19-13		13			Lyon	
CHARGE TO Calpine Natural Gas				OWNER				
MAILING ADDRESS 1200 17th Ste 770				OPERATOR Drew Friedrich				
CITY Denver				CONTRACTOR Lavne-Christensen				
STATE CO.		ZIP CODE 80202		DISTANCE TO LOCATION 50				
TIME ARRIVED ON LOCATION 6:00 P.M.				TIME LEFT LOCATION				

WELL DATA	
HOLE SIZE	7 7/8
TOTAL DEPTH	1937
CASING SIZE	5 1/2
CASING DEPTH	1923
CASING WEIGHT	
CASING CONDITION	Dr Tool - 1241'
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" 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"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

MAY 05 2003

KCC WICHITA

INSTRUCTION PRIOR TO JOB

368 B Zabel 140 L Povers
386 A Mader 206 David 144 H Bechtie

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Established circulation. Mixed 125 sy o/wc at 14.7 PPG + yield of 1.44. Pumped first plug to TD of casing + set float. Dropped bomb + waited 5 min. Opened tool with 7000 PSI. Circulated for 30 min. Cement top with 255 sy 50/150 Poz. 6% gel at 13.3 PPG + 1.69 yield. Pumped second plug to DV Tool w/ th 29.5 bbl water. Tool closed at 1100 PSI. 15 bbl returned cement to pit.

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	

AUTHORIZATION TO PROCEED

[Signature]

TITLE

DATE

ALL THE TERMS AND CONDITIONS STATED ON THE REVERSE SIDE ARE INCORPORATED AS PART OF THIS SALE.