

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 RUBBA
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. KCC
 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: 2167'
 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>02/15/03</u>	<u>02/19/03</u>	<u>4/22/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 111-20411-00-00
County: LYON COUNTY
~~N~~ N ~~E~~ E ~~S~~ S ~~W~~ W Sec. 12 Twp. 18 S. R. 11 East West
1620 feet from S / (N) (circle one) Line of Section
920 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: KARR Well #: 5-12-18-11
Field Name: EMPORIA

Producing Formation: N/A
Elevation: Ground: 1145 Kelly Bushing: 181160
Total Depth: 2167 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 1561' Feet
If Alternate II completion, cement circulated from _____
feet depth to ALT II WITH 2-7-07 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content < 500 ppm Fluid volume 480 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

✓

X

CONFIDENTIAL

Side Two

ORIGINAL

Operator Name: CALPINE NATURAL GAS COMPANY Lease Name: KARR Well #: 5-12-18-11
Sec. 12 Twp. 18 S. R. 11 East West County: LYON COUNTY

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 Sample 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	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	
List All E. Logs Run:		

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

KCC
MAY 01 2003
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#	2155'	OWC		6% Gypsum
					50/50 POZ		6% 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				

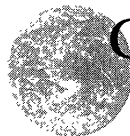
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4 SPF	2021-2025, 2033-2034, 2039-2040, 2041-2043, 2046-2048, 2067-2069	Acidized entire interval w/100 gals 7.5% HCL followed w/ 48 bbls water. Frac'd entire interval w/ 9500# 20/40 sand and 2300# 12/20 sand.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	2100'		Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr. SI, waiting on completion	Producing Method Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity
	X

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

SURFACE
 CSG

KCC

TICKET NUMBER 19362

MAY 01 2003

LOCATION Ottawa

FIELD TICKET **CONFIDENTIAL**

AFE # 02-363

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
2-14-03	2542	Karr 5-12-18-11		12	18	11	Lyon	
CHARGE TO <u>Calpine Natural Gas</u>				OWNER				
MAILING ADDRESS <u>1200 17th Ste 770</u>				OPERATOR <u>Drew</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 <u>cement surface</u>		<u>525.00</u>
5402	40'	<u>casing footage</u>	<u>.14</u>	<u>NC</u>
1102	2 sx	<u>calcium chloride</u>	<u>34.00</u>	<u>68.00</u>
1118	1	<u>premium gel</u>	<u>11.80</u>	<u>11.80</u>
1123	2000 gal	<u>city water</u>	<u>11.25</u>	<u>22.50</u>
5609	1	<u>tear down equipment and move and reset to wash up.</u>		<u>120.00</u>
		BLENDING & HANDLING		
5407	60 miles	TON-MILES		<u>228.00</u>
		STAND BY TIME		
		MILEAGE		
		WATER TRANSPORTS		
5502	4 1/2 hr	VACUUM TRUCKS	<u>70.00</u>	<u>315.00</u>
		FRAC SAND		
1104	40 sx	CEMENT	<u>8.20</u>	<u>328.00</u>
			<u>6.870</u> SALES TAX	<u>29.26</u>
				<u>1647.56</u>

RECEIVED

MAY 05 2003

KCC WICHITA

Ravin 2790

ESTIMATED TOTAL

CUSTOMER or AGENTS SIGNATURE

[Signature]

CIS FOREMAN

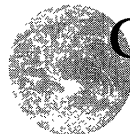
[Signature]

CUSTOMER or AGENT (PLEASE PRINT)

DATE

2-14-03

182891



CONFIDENTIAL
CONSOLIDATED
OIL WELL
SERVICES
 AN INFINITY COMPANY

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

PRODUCTION
 CSG,

KCC
 MAY 01 2003

ORIGINAL

TICKET NUMBER 19364

LOCATION Ottawa

CONFIDENTIAL
 FIELD TICKET

SURFACE

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
2-20-03	2542	Karr #5-1218-11		12S	G18	11	lyon	
CHARGE TO <u>Calpine Natural Gas</u>				OWNER				
MAILING ADDRESS <u>1200 17th ste 770</u>				OPERATOR <u>Drew Friedrichs</u>				
CITY & STATE <u>Denver Co. 80202</u>				CONTRACTOR <u>Hayne Christianson</u>				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE cement casing		525 ⁰⁰
5402	2155	casing footage	.14	MC
1118	16 sn	premium gel	11 ⁸⁰	188 ⁸⁰
1123	5000 gal	city water	11 ²⁵	56 ²⁵
5404	12	Stand by time 4 men x 3 hrs total of 9hr / man	55 ⁰⁰	660 ⁰⁰
5609	1	move equipment before wash up		120 ⁰⁰
RECEIVED				
MAY 05 2003				
KCC WICHITA				
5402	60 miles	BLENDING & HANDLING TON-MILES 2 trucks	228 ⁰⁰	456 ⁰⁰
5501	9 hr	STAND BY TIME MILEAGE WATER TRANSPORTS VACUUM TRUCKS FRAC SAND	75 ⁰⁰	675 ⁰⁰
1126	126	DWC	11 ⁰⁰	1386 ⁰⁰
1124	261	CEMENT 50/50 po2	6 ⁴⁵	1683 ⁴⁵
			6.870	SALES TAX 225 ⁰⁰

Ravin 2790

ESTIMATED TOTAL 5972⁰⁰

CUSTOMER or AGENTS SIGNATURE

[Signature]

CIS FOREMAN

[Signature]

CUSTOMER or AGENT (PLEASE PRINT)

DATE 2-20-03

182 895