

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

**ORIGINAL**

Operator: License # 32119  
Name: Northern Natural Gas  
Address: 1111 South 103rd Street  
City/State/Zip: Omaha, NE 68013  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Duane Moody  
Phone: ( 402 ) 398-7843  
Contractor: Name: \_\_\_\_\_  
License: \_\_\_\_\_  
Wellsite Geologist: \_\_\_\_\_

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: \_\_\_\_\_  
 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>07-26-05</u>	<u>07-31-05</u>
Spud Date or Recompletion Date	Date Reached TD Completion Date or Recompletion Date

API No. 15 - 083-21499-0000  
County: Hodgeman  
SE SW NW Sec. 4 Twp. 21S S. R. 21W  East  West  
2390' feet from S N (circle one) Line of Section  
1180' feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Burdett Station Well #: #2  
Field Name: Burdett Station

Producing Formation: \_\_\_\_\_  
Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_  
Total Depth: 100' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 20' 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 \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: Cheyenne Oil Service  
Lease Name: Strecker SWD License No.: 7146  
Quarter \_\_\_\_\_ Sec. 9 Twp. 24S S. R. 21W  East  West  
County: Hodgeman Docket No.: \_\_\_\_\_

*Alt 3-Dig - 2/26/09*

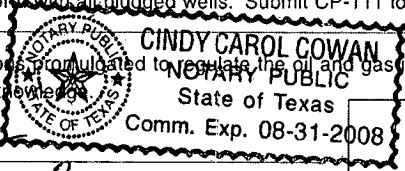
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**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 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: [Signature]  
Title: Operations Mgr. Date: 8-17-05  
Subscribed and sworn to before me this 17th day of August,  
05  
Notary Public: Cindy Carol Cowan  
Date Commission Expires: 8-31-2008



**KCC Office Use ONLY**

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

Operator Name: Northern Natural Gas Lease Name: Burdett Station Well #: #2  
 Sec. 4 Twp. 21S S. R. 21W  East  West County: Hodgeman

**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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input 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
	17 1/2"	10"		20'	Neat	20	Portland w/water

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
		<div style="border: 2px solid black; padding: 5px; width: fit-content; margin: auto;"> <b>RECEIVED</b>  <b>AUG 22 2005</b>  <b>KCC WICHITA</b> </div>	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

Deep Well: **Burdett Station** Well #/2

McLean's C P Installation, Inc.  
4520 State Highway 136  
Amarillo, Tx 79018

**RE: WASTE DISPOSAL - FLUID MUD/CUTTINGS**

Location of waste disposal:

Operator Name: Cheyenne Oil Service, Inc.

Date of Waste Disposal: July 30, 2005

Lease Name: Strecker SWD

License Number: 7146

Section: 9 Twp: 24S R: 21W East

West

County: Hodgeman

The undersigned hereby certifies that all information shown hereon is true and correct to the best of their knowledge and belief.

Cheyenne Oil Service, Inc.  
Company Name

Jennifer Snyder  
Authorized Signature

Date: Aug. 5, 2005

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Paul Cambron  
Hot Oil

Salt and Fresh Water Hauling  
Winch Truck

## Cheyenne Oil Service, Inc.

Paul Cambron

Radio Equipped 24-Hour Service

P.O. Box 384 Phone 798-2282

Ness City, Kansas 67560

Russell, 785-483-6706

Larned, 316-285-2614

Utica, 785-391-2237

McLean's C P Installation, Inc.  
4520 State Highway 136  
Amarillo, TX 79018

July 30, 2005

Invoice

Lease: Burdett Station Well #2

No. 43157

Sucked up fluid and hauled it to the SW disposal (2 loads).

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4520 State Hwy 136, Amarillo, TX 79108-7617 • tel. 806-383-5047 • fax 806-383-1716

Deep Well GroundBed Data:		Date: 7/30/2005	
Job Number: NNG65-2005KS		Drilling Contractor: McLean's CP Installation, Inc.	
Company Name: NORTHERN NATURAL GAS		Facility/Line: Burdett Station	
Subject: DEEP WELL #2		State: KANSAS	
Well Depth: 100'		County: HODGEMAN	
Diameter: 10"		Other- Driller: RL	
Casing: 20'			
Type of Backfill: SC2		TEST VOLTAGE: 12.2	
Anode Type: (1) set of (6) 3884 anodes			

Remarks:

Drilling Log			Electrical Log			Anode Log		
Depth:	Formation Type:	Material:	BEFORE BACKFILL			AFTER BACKFILL		
			Volt	Anode Depth	Anode #	Volt	Anode Depth	Anode #
0'	Top Soil	Casing/Cement						
5'	Top Soil	Casing/Cement						
10'	Sandy Clay	Casing/Cement						
15'	Sandy Clay	Casing/Cement						
20'	Sandy Clay	Casing/Cement/Hole Plug	2.6					
25'	Sandy Clay	Hole Plug						
30'	Sandy Clay	SC2	2.4					
35'	Blue/ Black Shale	SC2						
40'	Blue/ Black Shale	SC2	2.1	40'	6			
45'	Blue/ Black Shale	SC2						
50'	Blue/ Black Shale	SC2	1.8	50'	5			
55'	Blue/ Black Shale	SC2						
60'	Blue/ Black Shale	SC2	1.8	60'	4			
65'	Blue/ Black Shale	SC2						
70'	Blue/ Black Shale	SC2	2.5	70'	3			
75'	Blue/ Black Shale	SC2						
80'	Blue/ Black Shale	SC2	2.7	80'	2			
85'	Blue/ Black Shale	SC2						
90'	Blue/ Black Shale	SC2	2.6	90'	1			
95'	Blue/ Black Shale	SC2						
100'	Blue/ Black Shale	SC2						
105'								
110'								
115'								
120'								
125'								
130'								
135'								
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145'								
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