

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1
September 1999
Form Must Be Typed

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: McLean's C P Installation, Inc.
License: 32775
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. _____
7-23-05 07-30-05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 083-21496-0000
County: Hodgeman
NE SE NE Sec. 3 Twp. 22 S. R. 25 ☐ East ☒ West
1366' feet from S N (circle one) Line of Section
75' feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: M796 B-3 Well #: 1
Field Name: M796 B-3 Well #1
Producing Formation: _____
Elevation: Ground: _____ Kelly Bushing: _____
Total Depth: 200' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 80' 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)

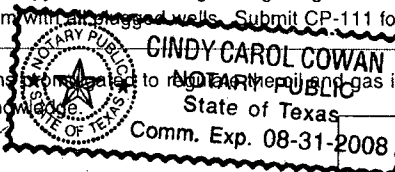
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: Nichols Fluid Service
Lease Name: Johnson #3 License No.: 31783
Quarter _____ Sec. 16 Twp. 34 S. R. 32 ☐ East ☒ West
County: Seward Docket No.: _____

A143-Dg-2/26/07

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: [Signature]
Title: Operations Mgr. Date: 8-17-05
Subscribed and sworn to before me this 17th day of August,
2005.
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 ☒

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Operator Name: Northern Natural Gas Lease Name: M796 B-3 Well #: 1
 Sec. 3 Twp. 22 S. R. 25 ☐ 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 ☐ Yes ☐ No
 (Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No
 (Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum

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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
	17 1/2	10"		80'	Neat	75	Portland w/water

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

Shots Per Foot	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.		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 (If vented, Submit ACO-18.)	☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled	
	☐ Other (Specify)	

NICHOLS FLUID SERVICE INC.
316 INDUSTRIAL PARK AVE
LIBERAL, KS 67901
(620)624-5582
(620)624-4900 (fax)

INVOICE

INVOICE NO.: 151138
INVOICE DATE: 07/31/2005

M 798 B:3 #1 ~~4002~~
Hodgeman Co KS

MCLEAN'S C. P. INST
4520 ST HWY 136
AMARILLO, TX 79108

Qty	UM	Description
TICKET # 27244 - 07/27/2005		
11.50	HR	Haul Water
75	BBL	Disposal Fee
		FSC
TOTAL FOR TICKET # 27244		
TICKET # 25816 - 07/29/2005		
3.50	HR	Haul FW
120	BBL	Fresh Water
		FSC
TOTAL FOR TICKET # 25816		
TICKET # 26674 - 07/29/2005		
3.50	HR	Haul Water
		FSC
TOTAL FOR TICKET # 26674		

PLEASE PAY THIS AMOUNT =====>

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GREAT BEND REDI-MIX, INC.

PLANT: SOUTH WASHINGTON

OFFICE: 335 E. Barton County Road
PHONE: (620) 792-5924
GREAT BEND, KANSAS 67530

Nº 30099

DATE 7-26-05

SOLD TO: Melanes CP Phone: 432-553-5451

MAILING ADDRESS:

JOB SITE: By Jetmore

Description:	Regular Price	Discount Allowed
75 Bags Mix w/Air, wo/Air		
Fibermesh		
Calcium		
Hi-Early		
Color/Plant Furnish		
Color/Customer Furnish		
Service Charge to Deliver Less Than 2 1/2 Yards.		
Mileage 83 Less 10 = 73 @ 3.00/mile		
Unload Time: (Min. Used) Less (Min. Free) = + 10 = @		
Truck No./ Driver	Slump	Water-Gallons
		Water Added At Jobsite
		Time Out
		Begin Unload 9:58
		End Unload 10:50

Free unloading time shall be 15 minutes for the first cubic yard and 10 minutes for each yard thereafter. A charge of \$5.00 for each 10 minutes excess time. Contractor responsible for damage past curb line.

COMMENTS: 6,900 Pds Cement 758034
390 Gal Water Arrived 58117

WARNING: Cement can cause irritation or severe burns to skin and eyes. Wear protective boots, gloves, and eye protection. Avoid contact with your skin or eyes. In case of contact with skin or eyes, seek medical attention. Material safety data sheets available on request. KEEP OUT OF REACH OF CHILDREN

PAID -	CK#	AMOUNT PAID	INTEREST OF 1 1/2% PER MONTH WILL BE CHARGED ON ALL ACCOUNTS IF NOT PAID WITHIN 30 DAYS OF DELIVERY DATE
☐ CASH	☐	\$	

PO # OR Invt

Received by

Cal M. L.

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Deep Well: M796B:3 Well #1

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: Nichols Fluid Service

Date of Waste Disposal: 7.27.05

Lease Name: Johnson #3

License Number: 31983

Section: 16 Twp: 34 R: 32 East West

County: Seward

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

Nichols Fluid Service
Company Name

Dan, W. Steto
Authorized Signature

Date: 8-1-2005

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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: 07/27/05
Job Number: NNG44-2005KS		Drilling Contractor: McLean's CP Installation, Inc.
Company Name: NORTHERN NATURAL GAS		Facility/Line: M796B:3
Subject: DEEP WELL #1		State: KANSAS
Well Depth: 200'		County: HODGEMAN
Diameter: 10"		Other- Driller: RL
Casing: 80'		
Type of Backfill: SC2		TEST VOLTAGE: 17.5
Anode Type: (1) set of (13) 4X80		
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'	Sand/ Gravel	Casing/Cement						
15'	Sand/ Gravel	Casing/Cement						
20'	Sand/ Gravel	Casing/Cement						
25'	Sand/ Gravel	Casing/Cement						
30'	Sand/ Gravel	Casing/Cement						
35'	Sand/ Gravel	Casing/Cement						
40'	Sand/ Gravel	Casing/Cement						
45'	Sand/ Gravel	Casing/Cement						
50'	Sandy Clay	Casing/Cement						
55'	Sandy Clay	Casing/Cement						
60'	Sandy Clay	Casing/Cement						
65'	Sandy Clay	Casing/Cement						
70'	Sandy Clay	Casing/Cement		94	13	8.7	94'	13
75'	Sandy Clay	Casing/Cement/Hole Plug						
80'	Sandy Clay	Casing/Cement/Hole Plug	1.5	102'	12	9.4	102'	12
85'	Sandy Clay	Hole Plug						
90'	Blue Shale	SC2	3.7	110'	11	8.7	110'	11
95'	Blue Shale	SC2						
100'	Blue Shale	SC2	3.3	118'	10	9.1	118'	10
105'	Blue Shale	SC2						
110'	Blue Shale	SC2	2.8	126'	9	9.2	126'	9
115'	Blue Shale	SC2						
120'	Blue Shale	SC2	2.6	134'	8	10.0	134'	8
125'	Blue Shale	SC2						
130'	Blue Shale	SC2	2.4	142'	7	10.0	142'	7
135'	Blue Shale	SC2						
140'	Blue Shale	SC2	2.1	150'	6	10.2	150'	6
145'	Blue Shale	SC2						
150'	Blue Shale	SC2	2.2	158'	5	10.1	158'	5
155'	Blue Shale	SC2						
160'	Blue Shale	SC2	2.2	166'	4	10.1	166'	4
165'	Blue Shale	SC2						
170'	Blue Shale	SC2	1.8	174'	3	9.7	174'	3
175'	Blue Shale	SC2						
180'	Blue Shale	SC2	1.5	182'	2	8.0	182'	2
185'	Blue Shale	SC2						
190'	Blue Shale	SC2	1.9	190'	1	7.6	192'	1
195'	Blue Shale	SC2						
200'	Blue Shale	SC2						
205'								
210'								
215'								
220'								
225'								
230'								
235'								
240'								
245'								
250'								

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