

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. _____

08-03-05 08-16-05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 165-21782-0000
County: Rush
E/2 E/2 E/2 SE Sec. 34 Twp. 19S S. R. 17W ☐ East ☒ West
1342' feet from S / N (circle one) Line of Section
244' feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW
Lease Name: M6 50B-6 Well #: #1
Field Name: M6 50B-6

Producing Formation: _____
Elevation: Ground: _____ Kelly Bushing: _____
Total Depth: 150' 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 1143- Dlg - 10/03/08 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____

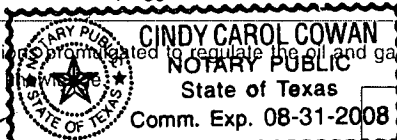
Location of fluid disposal if hauled offsite:

Operator Name: Cheyenne Oil Service, Inc.
Lease Name: Strecker SWD License No.: 7146
Quarter _____ Sec. 9 Twp. 24S S. R. 21W ☐ East ☒ West
County: Hodgeman Docket No.: _____

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 Manager Date: 8-29-05
Subscribed and sworn to before me this 29th day of August
2005.
Notary Public: Cindy Carol Cowan
Date Commission Expires: 8-31-2008



KCC Office Use ONLY

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

RECEIVED
SEP 06 2005

KCC WICHITA

Operator Name: Northern Natural Gas Lease Name: M6 50B-6 Well #: #1
 Sec. 34 Twp. 19S S. R. 17W ☐ East ☒ West County: Rush

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

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"			20'	Neat	17	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) _____

RECEIVED

SEP 06 2005

KCC WICHITA

CONCRETE CO.

SOUTHWEST ON U.S. 56
LARNED, KANSAS

PHONE
285-3726

DAY OF WEEK

DATE

WED

8-3-05

SOLD TO

MC LEAN CP Installations

ADDRESS

4520 STATE Highway 136 Amarillo TX 79108

LOCATION

12 NORTH ON Timken Rd

BELOW LISTED MATERIAL RECEIVED AND ACCEPTED:

TRUCK NO.	QUANTITY	KIND	STRENGTH	MILEAGE
556	34 bags		5.2 gallons per bag	

WATER ADDED

A.M.

LEFT PLANT

10:03

A.M.

P.M.

ARRIVED JOB

A.M.

P.M.

UNLOADED

A.M.

P.M.

DRIVER

Tom

CAUTION: Freshly mixed cement, mortar, grc
direct contact where possible and wash expo
If any cementitious material gets into the eye, rinse immediately and repeatedly with water
and get prompt medical attention.

KEEP OUT OF REACH OF CHILDREN

RECEIVED BY

No

5617



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

Deep Well GroundBed Data:		Date: 8/13/2005
Job Number: NNG42B-2005KS		Drilling Contractor: McLean's CP Installation, Inc.
Company Name: NORTHERN NATURAL GAS		Facility/Line: M650B:6
Subject: DEEP WELL #1		State: KANSAS
Well Depth: 150'		County: Rush
Diameter: 10"		Other- Driller: CM
Casing: 20'		
Type of Backfill: SC2		TEST VOLTAGE: 15.8
Anode Type: (1) set of (13) 4"X80" Graphite Anodes		
Remarks: Cement is outside of casing.		

Drilling Log			Electrical Log			Anode Log		
Depth:	Formation Type:	Material:	BEFORE BACKFILL			AFTER BACKFILL		
			Volt	Anode Depth	Anode #	Volt	Anode Depth	Anode #
5'	Top Soil							
10'	Sandy Clay & Rock	Cement/ Casing						
15'	Sandy Clay	Cement/ Casing						
20'	Sandy Clay	Cement/ Casing/ Hole Plug						
25'	Sandy Clay	Hole Plug						
30'	Sandy Clay	SC2	2.0					
35'	Blue Shale	SC2						
40'	Blue Shale	SC2	2.2	39	12			
45'	Blue Shale	SC2						
50'	Blue Shale	SC2	2.3	48	11			
55'	Blue Shale	SC2		57'	10			
60'	Blue Shale	SC2	2.6					
65'	Blue Shale	SC2		66'	9			
70'	Blue Shale	SC2	2.3					
75'	Blue Shale	SC2		75'	8			
80'	Blue Shale	SC2	2.1					
85'	Blue Shale	SC2		84'	7			
90'	Blue Shale	SC2	2.4					
95'	Blue Shale	SC2		93'	6			
100'	Blue Shale	SC2	2.8	102'	5			
105'	Blue Shale	SC2						
110'	Blue Shale	SC2	2.8	111'	4			
115'	Blue Shale	SC2						
120'	Blue Shale	SC2	2.5	120'	3			
125'	Blue Shale	SC2						
130'	Blue Shale & Rock	SC2	1.5	129'	2			
135'	Blue Shale & Rock	SC2						
140'	Blue Shale & Rock	SC2	1.6	138'	1			
145'	Blue Shale & Rock	SC2						
150'	Blue Shale	SC2	2.2					
155'								
160'								
165'								
170'								
175'								
180'								
185'								
190'								
195'								
200'								
205'								
210'								
215'								
220'								
225'								
230'								
235'								
240'								
245'								
250'								

RECEIVED

SEP 06 2005

KCC WICHITA

Tank Cleaning
Hot OilSalt and Fresh Water Hauling
Winch Truck**Cheyenne Oil Service, Inc.**

Paul Cambron

Radio Equipped 24-Hour Service

Larned, 816-285-2614

P.O. Box 384 Phone 785-2282

Russell, 785-883-6784

Utica, 785-391-2237

Ness City, Kansas 67560

August 2, 2005

McLean's C P Installation, Inc.

4520 State Highway 136

Amarillo, TX 79018

Invoice

No 143248

Lease:

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

10% fuel surcharge

One Ton _____

High Pressure Pump Truck _____

80 Bbl. Truck _____

80 Bbl. Vac Truck _____

Heater-Treater _____

Heater-Treater _____

Winch Truck _____

Mower _____

Swamper _____

Truck No. _____

Authorized by _____ Total _____

Thank You

1 1/2% Interest Will Be Charged After 30 Days

Please pay from this invoice.

RECEIVED
SEP 06 2005
KCC WICHITA