

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 32119
Name: NORTHERN NATURAL GAS
Address: 1420 17TH ROAD
City/State/Zip: LYONS, KANSAS 67554
Purchaser: _____
Operator Contact Person: RICK LOESCH
Phone: (402) 536-8005
Contractor: Name: Rosencrantz-Bemis Ent d/b/a Darling Drilling CO
License: 6427

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>7/26/06</u>	<u>7/26/06</u>	<u>7/26/06</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 135-24521-0000

County: NESS

SE NE SE Sec. 35 Twp. 20 S. R. 21 ☐ East ☒ West

1325 feet from (S) / N (circle one) Line of Section

50 feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: HOLCOMB Well #: M650-0

Field Name: HOLCOMB PIPELINE

Producing Formation: _____

Elevation: Ground: 2173' EST Kelly Bushing: _____

Total Depth: 120' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at _____ 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)

AT III NOK
10-8-08

Chloride content _____ ppm Fluid volume 40 bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name: CHEYENNE OIL SERVICE

Lease Name: DIPMAN DISPOSAL License No.: C3589

Quarter SW Sec. 34 Twp. 21S S. R. 16 ☐ East ☒ West

County: PAWNEE Docket No.: 45, 759-C

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: Alexandra Coltharp

Title: PROJECT ASSISTANT Date: 8/24/06

Subscribed and sworn to before me this 24 day of August

Notary Public: Aleisha Zingang

Date Commission Expires: 11/28/09

KCC Office Use ONLY

N Letter of Confidentiality Received

If Denied, Yes ☐ Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

RECEIVED
AUG 28 2006

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Operator Name: NORTHERN NATURAL GAS Lease Name: HOLCOMB Well #: M650-0
 Sec. 35 Twp. 20 S. R. 21 ☐ East ☒ West County: NESS

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
Cathodic	10"	10.75"	15.1	20'	5000AE	8	

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 ☒ Vented ☐ Sold ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
 (If vented, Submit ACO-18.) ☐ Other (Specify)

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QF 4.10.10 DEEP ANODE DRILLING LOG

REV 1



Job No. 06-001

Date 7/26/2006

Client NORTHERN NATURAL GAS

PO/WO No.

Location M650-0 1ST DEEPWELL

Depth	Logging Volts: 13.8		Geological Log	Depth	Logging Volts:		Geological Log	No.	Depth	No Coke	With Coke
	Amps	Ohms			Amps	Ohms					
5				205				1	115	2.10	5.50
10				210				2	105	1.60	5.70
15				215				3	95	1.40	5.70
20				220				4	85	1.50	5.70
25	2.60	5.31		225				5	75	2.80	7.10
30	2.50	5.52		230				6	65	2.80	7.50
35	2.30	6.00		235				7	55	3.10	7.60
40	2.30	6.00		240				8	45	2.10	7.20
45	2.20	6.27		245				9	35	2.60	7.40
50	2.90	4.76		250				10	25	2.20	7.20
55	3.20	4.31		255				11			
60	3.20	4.31		260				12			
65	2.90	4.76		265				13			
70	2.90	4.76		270				14			
75	2.90	4.76		275				15			
80	2.50	5.52		280				16			
85	1.70	8.12		285				17			
90	1.50	9.20		290				18			
95	1.50	9.20		295				19			
100	1.20	11.50		300				20			
105	1.90	7.26		305				21			
110	2.10	6.57		310				22			
115	2.10	6.57		315				23			
120	1.80	7.67		320				24			
125				325				25			
130				330				26			
135				335				27			
140				340				28			
145				345				29			
150				350				30			
155				355				31			
160				360				32			
165				365				33			
170				370				34			
175				375				35			
180				380				36			
185				385				37			
190				390					Volts		
195				395					Amps	22.20	66.60
200				400					Ohms	0.98	0.98

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Hole Dia.: 10"	Total Depth: 120'	Casing Feet: 20'	Dia.: 10	Type: SCH 40
No. Anodes: 10	Size and Type: 3884 NEW STYLE	Anode Lead: LL140'	Size: 6	Type: HMWPE
Lbs. Coke: 3500#	Coke Type: SC-2	Top of Coke Column: 22'	Vent: 100'	
Lbs. Plug	Plug Type:	Top of Plug:		

LARNED READY MIXED CONCRETE CO.

SOUTHWEST ON U.S. 56
LARNED, KANSAS
(620) 285-3726

6323

SOLD TO: Darling Drilling DATE: 7-25-06

MAILING ADDRESS: 3

JOB SITE: 6 N Burdett St W S

Description:	Unit Price	Total
2 Yds. Slump Mix	/yd.	
Yds. Mix	/yd.	
Hot Water		
Fibermesh	/yd.	
Calcium %	/yd.	
Hi-Early %	/yd.	
Color/Plant Furnish	/yd.	
Color/Customer Furnish	/yd.	
Service Charge to Deliver Less Than 2 1/2 Yards.		
Mileage Less	/mile	
Unload Time: (Min. Used Less Min. Free) = +10 = @ 10 /min		
Truck No./Driver 903	Slump 0	Water-Gallons 0
JOB SITE ARRIVAL		
Time Out 12:30		
Begin Unload 1:00		
End Unload 2:00		
Subtotal		
Tax		
Total Due		

Free unloading time shall be 15 minutes for the first cubic yard and 10 minutes for each yard thereafter. A charge of \$10.00 for each 10 minutes excess time. Contractor responsible for damage past curb line.

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.

INTEREST OF 1 1/2% PER MONTH WILL BE CHARGED ON ALL ACCOUNTS IF NOT PAID WITHIN 30 DAYS OF DELIVERY DATE

P.O.# OR Job# _____ Received by: Darling Drilling

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