

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 Company
Address: P.O. Box 17, Route 1
City/State/Zip: Hugoton, KS 67951
Purchaser: _____
Operator Contact Person: Steve Mitchell **RECEIVED**
Phone: (620) 544-5033
Contractor: Name: C.P. Drilling Co. **MAY 15 2003**
License: 32525 **KCC WICHITA**
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. _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
<u>04/16/2003</u>	<u>04/17/2003</u>	<u>04/19/2003</u>

API No. 15 - 189-22438-0000
County: Stevens
NE-SW-SE- _____ Sec. 6 Twp. 33 S. R. 35 East West
780 feet from (S) N (circle one) Line of Section
1380 feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Hugoton Well #: 1
Field Name: Hugoton Compressor Station
Producing Formation: _____
Elevation: Ground: 2995' EST Kelly Bushing: _____
Total Depth: 170' 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 ME III W 5.8.03
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 35 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: Property Owner
Lease Name: Wolf Creek License No.: _____
Quarter NW Sec. 28 Twp. 25N S. R. 25 East West
County: Harper Docket No.: _____
Oklahoma

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: Steve Mitchell
Title: Operations Manager Date: 4-29-03
Subscribed and sworn to before me this 29 day of April
2003
Notary Public: Doug Haight
Date Commission Expires: 8/23/2005
Creek Co, OK

KCC Office Use ONLY

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

Operator Name: Northern Natural Gas Company Lease Name: Hugoton Well #: 1
 Sec. 6 Twp. 33 S. R. 35 East West County: Stevens

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
 Attached

CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Cathodic	14.75"	8" PVC Sched 40	15.1	20'	Portland	16	(Receipt Attached)

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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	
				Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run
					<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed 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 **METHOD OF COMPLETION** Production Interval

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

ORIGINAL

WESTLAKE HARDWARE
1601 N. KANSAS AVE.
LIBERAL, KS 67901
(620)-624-1599

BRENTON
SALE

✓ 15 - Sublette Comp
STA

702081

16 - Hugoton

PORTLAND CEMENT 94 LB Comp 262.15 tx

35 @ 7.49

STA

SUBTOTAL 262.15

TAX 1 7.3% 19.14

TOTAL 281.29

AMEX 37946973999xxxx 281.29

525503 EXP: 06/04

THANK YOU FOR SHOPPING
WESTLAKE ACE HARDWARE
PLEASE COME AGAIN!

I AGREE TO PAY THE ABOVE BANKCARD
AMOUNT ACCORDING TO THE CARD
ISSUER AGREEMENT.

Customer Signature

0077 002 82 1417 04/14/03 10:58:36

RECEIVED
MAY 05 2003
KCC WICHITA

Company Northern Natural Gas
 Location Stevens

Sec 6 Township 29
 Job Number 03-013

N **S** **E** **W**
 Range 36 Voltage Used 13.35

Depth	Amps	Geological Log	Depth	Amps	Geological Log	Number	Depth	No Coke	With Coke
5		0-4 Surface	205			1	165	1.2	2.8
10		4-30 Clay	210			2	155	0.9	2.1
15			215			3	145	0.8	2.2
20			220			4	135	0.3	1.8
25			225			5	125	0.1	1.6
30	0.1	30-170 Sand & Gravel	230			6	115	0.3	3.8
35			235			7	105	0.1	3.2
40	0.1		240			8	95	0.1	3.4
45			245			9	85	0.2	3.7
50	0.1		250			10	75	0.1	4.1
55			255			11	65	0.3	4.5
60	0.3		260			12	55	0.1	5.0
65			265			13	45	0.1	5.4
70	0.1		270			14	35	0.1	5.5
75			275			15			
80	0.2		280			16			
85			285			17			
90	0.1		290			18			
95			295			19			
100	0.1		300			20			
105			305			21			
110	0.1		310			22			
115			315			23			
120	0.5		320			24			
125			325			25			
130	0.4		330			26			
135			335			27			
140	1.0		340			28			
145			345			29			
150	0.9		350			30			
155			355				Volts	13.35	
160	1.0		360				Amps		
165			365				Ohms		
170		T.D. 170'	370				Rectifier Information		
175			375			Model	ASAI		
180			380			Serial	030281		
185			385			DCV	50	DCA	100
190			390			C	1 of 3	F	1 of 6
195			395			ACV	115/230	ACA	61.7/30.9
200			400			Shunt	100A/50mV		

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KCC WICHITA

Interior Plug				Vent 160'			
Hole Dia.	8"	Total Depth	170'	Remarks			
No. Anodes	14	Size and Type	4" x 80" Graphite	Top of Coke 9'			
Lbs. Coke	3400	Coke Type	Loresco SC-2				
Ft. Casing	20	Casing Diameter	8"	Signature	Brad Brewer	Date	4/17/2003