

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

RECEIVED
12-09-02
DEC 09 2002
ORIGINAL

Operator: License # 32119
Name: Northern Natural Gas
Address: P.O. Box 17, Route 1
City/State/Zip: Hugoton, KS 67951
Purchaser: _____
Operator Contact Person: Steve Mitchell
Phone: (620) 544-5033
Contractor: Name: H.L. McLean Drilling
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. _____

11/18/2002 11/19/2002 11/20/2002
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 175-21882-0000
County: Seward
SW-NW - NW Sec. 22 Twp. 32 S. R. 34 East West
750 feet from S / N (circle one) Line of Section
100 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Micheal Well #: 1
Field Name: Region 5
Producing Formation: _____
Elevation: Ground: 2925' EST Kelly Bushing: _____
Total Depth: 220' 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 WELL ENR 12-12-02
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume 60 bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: Ph: 580-338-8734
P.O. Box 1681
Operator Name: Wego Services, Inc. Guymon, OK 73942
Lease Name: Santa Fe License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ 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: 12-6-02
Subscribed and sworn to before me this 10 day of December
2002
Notary Public: [Signature]
Date Commission Expires: 2/23/2005
Creek County, OK

KCC Office Use ONLY
NO Letter of Confidentiality Attached
If Denied, Yes Date: _____
NO Wireline Log Received
NO Geologist Report Received
____ UIC Distribution

Operator Name: Northern Natural Gas Lease Name: Micheal Well #: 1

Sec. 22 Twp. 32 S. R. 34 East West County: Seward

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	# Sacjs Used	Type and Percent Additives
Cathodic	14.5"	8" PVC Sched 40	15.6	20'	Portland	14	(brder ticket 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	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	

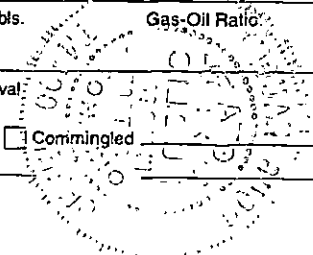
TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumerd 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 Open Hole Perf. Dually Comp. Commingled
 (If vented, Sumit ACO-18.) Other (Specify)



Company Northern Natural Gas Sec 22 Township 32 Range 34
 County Seward State KS Job Number 02-108 Voltage Used 12.95

Depth	Amps	Geological Log	Depth	Amps	Geological Log	No.	Depth	No. Coke	With Coke
5		0-4 Top Soil	205			1	210	0.5	3.1
10		4-100 Clay Sandy	210	0.6		2	200	0.7	3.2
15			215			3	190	0.3	3.5
20			220	0.4	220 T.D.	4	180	1.5	4.0
25		25 Top of Coke	225			5	170	0.6	3.9
30	0.8		230			6	160	0.3	3.7
35			235			7	150	0.3	3.7
40	1.8		240			8	140	0.3	3.7
45			245			9	130	0.7	4.2
50	1.7		250			10	120	1.7	5.1
55			255			11	110	1.9	5.5
60	2.8		260			12	100	2.2	5.3
65			265			13	90	0.9	3.7
70	2.5		270			14	80	0.9	2.5
75			275			15	70	2.8	5.4
80	2.8		280			16	60	2.4	4.4
85			285			17	50	2.6	5.8
90	2.4		290			18	40	1.8	3.4
95			295			19	30	1.7	3.5
100	0.9	100-220 Sand	300			20			
105			305			21			
110	2.2		310			22			
115			315			23			
120	2.0		320			24			
125			325			25			
130	1.7		330			26			
135			335			27			
140	0.7		340			28			
145			345			29			
150	0.2		350			30			
155			355			Volts		12.95	
160	0.2		360			Amps		77.60	
165			365			Ohms		0.16	
170	0.2		370			Rectifier Information			
175			375			Model	AAP Universal		
180	0.4		380			Serial	900504		
185			385			DCV	30	DCA	20
190	1.4		390			C	F		
195			395			ACV	115/230	ACA	7/3.5
200	0.3		400			Shunt	50mV 25 A		

Interior Plug	Hole Plug 10'	Vent		1" Loresco All-Vent	Length	200'
Hole Dia.	8"	Total Depth	220'			
No. Anodes	19	Size and Type	4" x 80" Graphite			
Lbs. Coke	5000	Coke Type	Loresco SC-2			
Ft. Casing	20	Casing Diameter	8"	Signature	Brad Brewer	Date 11/19/02

ORIGINAL

RECEIVED

TANK TRUCKS • TRANSPORTS • VACUUM TRUCKS

DEC 09 2002

WEGO SERVICES, INC.

KCC WICHITA 47518

Phone 580-338-8734 - 24 Hours - P. O. Box 1681

GUYMON, OKLAHOMA 73942

Fully Insured -- Radio Equipped

OCC #44753

TEXAS WHP 922

Charge To: Mesa Production Inc

Date: 11-20-02

Lease Name & No: Corrosion Control

P.O. # 97002

Barrels Hauled: 60 bbl

Disposal Well: Santa Fe

Hauled: Saltwater Freshwater () % KCL Other MTW

REMARKS:	TIME	UNIT PRICE	TOTAL
Truck w/oper:	3 hrs	50.-	150.-
Disposal Fee: _____ BBLs	60 @ .35		21.-
Freshwater: _____ BBLs			
_____ % KCL:			
Other _____			
Fuel Surcharge @ 7 %			10.50
Sales Tax:			
TOTAL:			181.50

Driver: Denis T

Unit # 4605

Approved By: _____

Attn: Darren

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

02-108

LAND CEMENT 94 LB	227.15 tx
6.49	
OTAL	227.15
1 7.3%	16.58
L	243.73
37946175392xxxx	243.73
10 EXP: 06/03	

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

003 45 4280 11/14/02 11:20:15

ORIGINAL

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

RECEIVED
DEC 09 2002
KCC WICHITA

BRENTON SALE	
702081	
PORTLAND CEMENT 94 LB	227.15 tx
35 @ 6.49	
SUBTOTAL	227.15
TAX 1 7.3%	16.58
TOTAL	243.73
AMEX 37946973999xxxx	243.73
528347 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 3842 11/15/02 15:39:05